UNITED NATIONS
INDUSTRIAL DEVELOPMENT ORGANIZATION

INTERNATIONAL NETWORK ON QUALITY INFRASTRUCTURE

SUSTAINABLE DEVELOPMENT GOALS

QI4SD

QUALITY INFRASTRUCTURE FOR SUSTAINABLE DEVELOPMENT INDEX

Country Profiles

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INDUSTRIAL DEVELOPMENT ORGANIZATION

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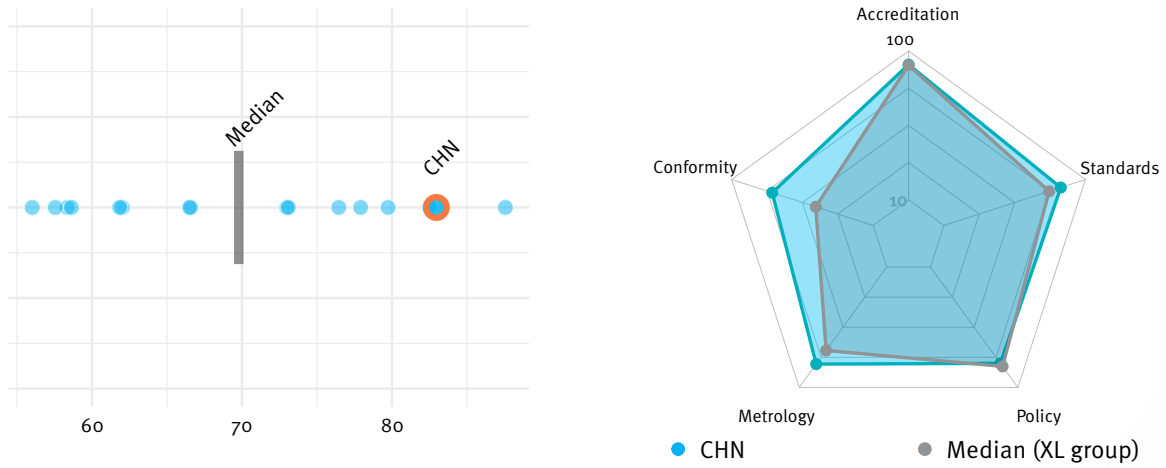
Country Profiles

Vienna, Austria 2022

Introduction

The following pages give an overview of the QI4SD Index scores and other information for each of the 137 countries included in the study. This is just a subset of the information available for each country, but can help to give some idea of how a country relates to its peers, how it scores in individual dimensions of the QI4SD Index, and individual indicators.

FIGURE 1: Example of dot plot and radar chart on country sheet



How to read the country sheets

As with much of the QI4SD report, countries are grouped into GDP groups. The majority of the ranking information relates to ranks within these groups. Recall that the objective is not to say which countries are better than others, but rather to highlight where a given country may be excelling or may have potential room for improvement. Notably, even within GDP groups, there is considerable variation in the size of countries.

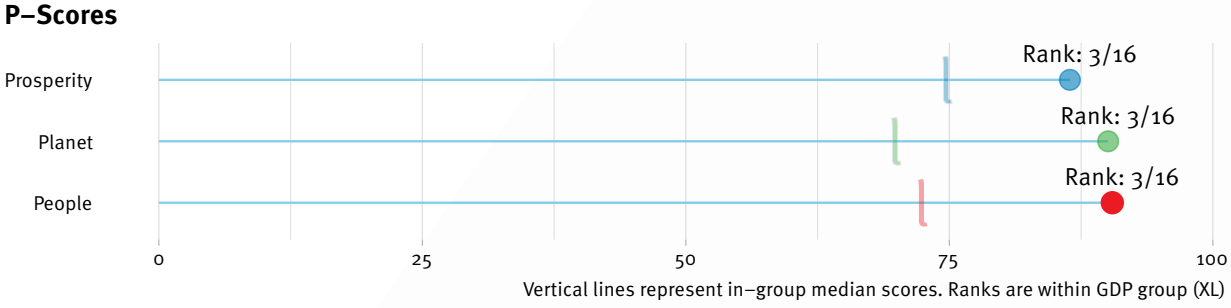
The upper part of the sheet gives the countries rank in the QI4SD Index with respect to its GDP group, and the overall rank among all country's.

Below this there are two charts (see example in Figure 1). The left chart shows the position of the country relative to other countries in the same GDP group, in the QI4SD (full) Index. The group median is highlighted.

The right chart shows the scores of the country in each of the five dimensions of quality infrastructure, i.e. the "components" that make up the QI4SD Index. Each of these is calculated as the average of underlying indicator scores relating to that dimension. The group median, for each of these dimensions, is plotted underneath the country scores.

Below this, another chart presents the index scores for each of the three "P-Indexes", i.e. the scores for People, Planet, and Prosperity. These are again presented with GDP group median scores, and ranks within the GDP group.

FIGURE 2: Example of P-scores chart



Finally, some information is given at the individual indicator level. Two tables identify so-called “strengths” and “weaknesses” (see Table 1). This simply identifies the three highest-ranking indicators for the country, and the three lowest-ranking indicators, respectively.

TABLE 1: Examples of strengths and weaknesses tables

Strengths	Dimension	Rank	Value	Unit
Number of recognised certificates (IQNet)	Conformity	1	127,000	Number
Number of recognised certificates (ISO)	Conformity	1	434,000	Number
Participation in BIPM Consultative Committees	Metrology	1	20	Number

Weaknesses	Dimension	Rank	Value	Unit
OIML-CS - number of services recognised	Metrology	21	10	Number
Scopes of IAF accreditation bodies	Accreditation	22	10	Number
Adopted ISO standards	Standards	51	10	Number

In the example given, the best performing indicators include the number of recognised certificates from both the IQNet and ISO databases, and the participation in BIPM Consultative Committees. In all three indicators, the country ranks number one.

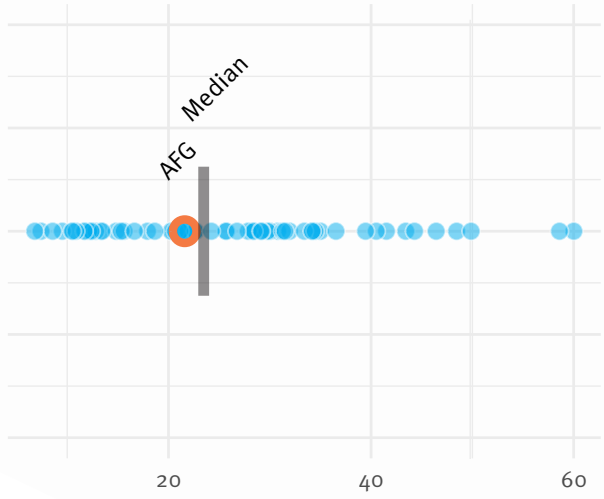
On the other hand, the country has few OIML-CS services recognised, the scopes of IAF accreditation bodies are less than some countries, and the number of adopted ISO standards is relatively low.

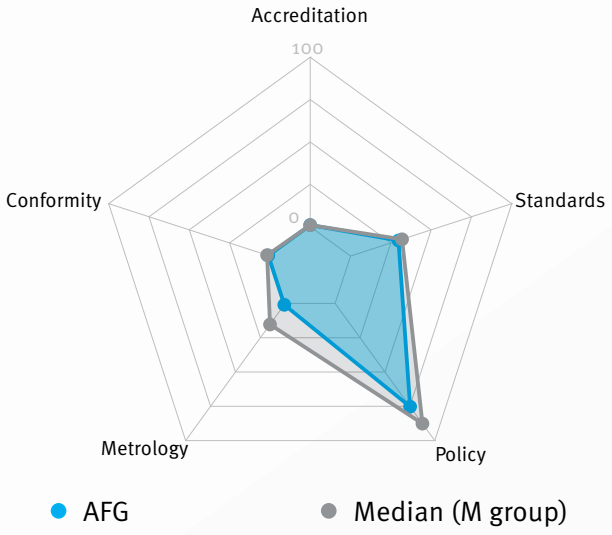
AFGHANISTAN

GDP GROUP RANK: 38/64 (M)
OVERALL RANK: 98/137

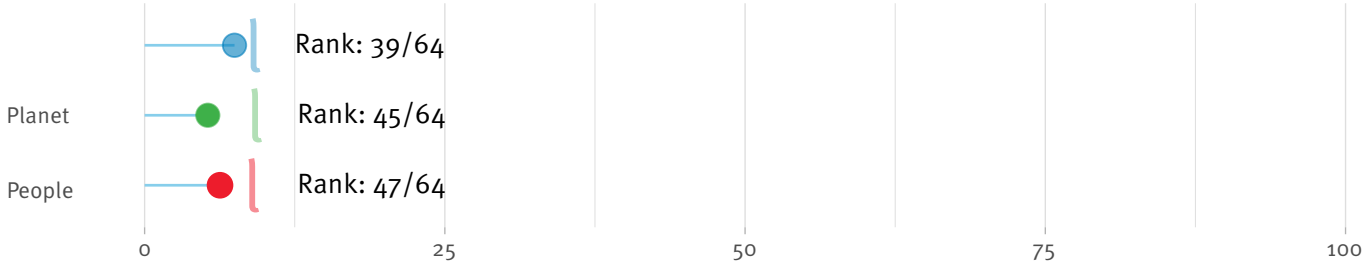
Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
South Asia	Low	20	509	38,928

QI4SD Index (M group)





P–Scores



Vertical lines represent in–group median scores. Ranks are within GDP group (M)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Adopted IEC standards	Standards	19	151	Number
Adopted ISO standards	Standards	55	9	Number
Membership of ITU	Standards	79	1	Composite score

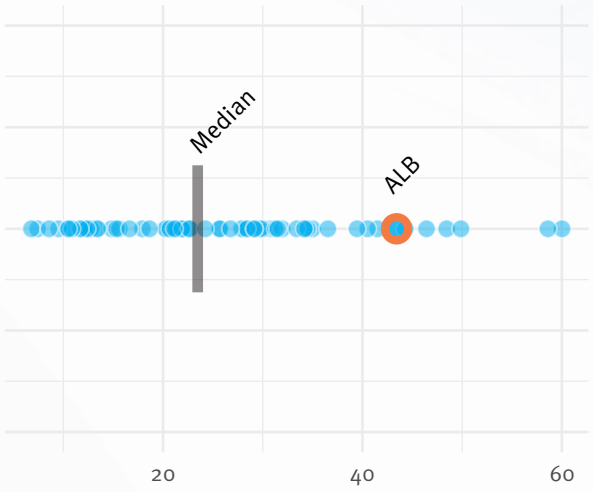
Weaknesses	Dimension	Rank	Value	Unit
Membership of ITU	Standards	79	1	Composite score
Number of recognised certificates (ISO)	Conformity	130	69	Number
Participation in ISO technical committees	Standards	132	5	Number

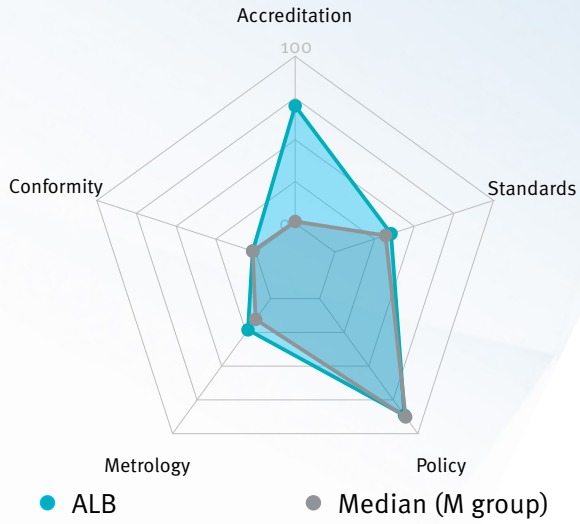
ALBANIA

GDP GROUP RANK: 7/64 (M)
OVERALL RANK: 55/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Europe & Central Asia	Upper middle	15	5,215	2,838

QI4SD Index (M group)





P–Scores

Vertical lines represent in–group median scores. Ranks are within GDP group (M)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Adopted IEC standards	Standards	9	285	Number
Adopted ISO standards	Standards	17	16	Number
Scopes of IAF accreditation bodies	Accreditation	38	7	Number

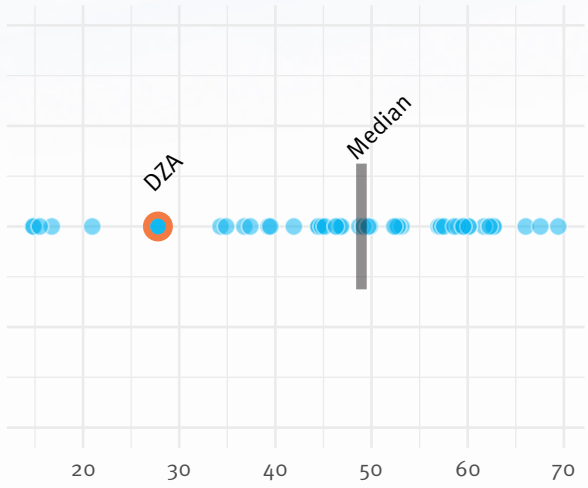
Weaknesses	Dimension	Rank	Value	Unit
Number of recognised certificates (IQNet)	Conformity	79	79	Number
Number of recognised certificates (ISO)	Conformity	98	603	Number
Participation in ISO technical committees	Standards	130	6	Number

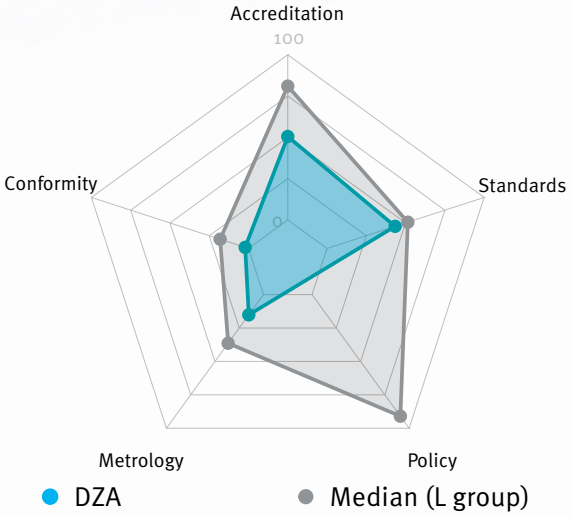
ALGERIA

GDP GROUP RANK: 41/46 (L)
OVERALL RANK: 85/137

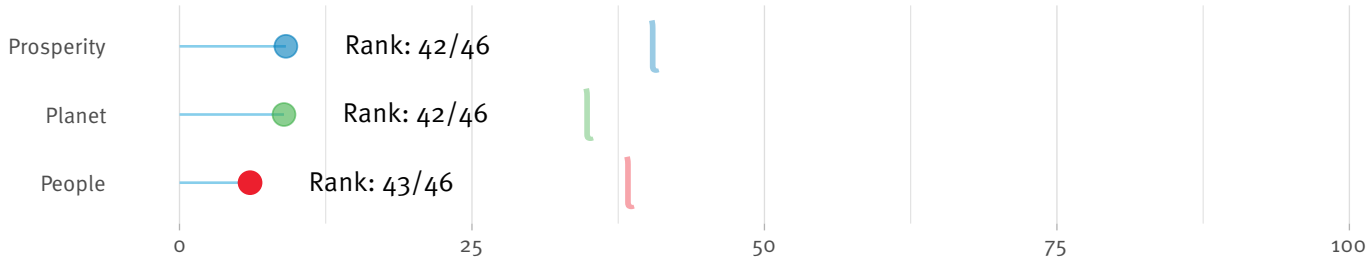
Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Middle East & North Africa	Lower middle	145	3,310	43,851

QI4SD Index (L group)





P–Scores



Vertical lines represent in–group median scores. Ranks are within GDP group (L)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Membership of ITU	Standards	23	8	Composite score
Membership of IQNet	Conformity	46	2	Composite score
Participation in ISO technical committees	Standards	75	107	Number

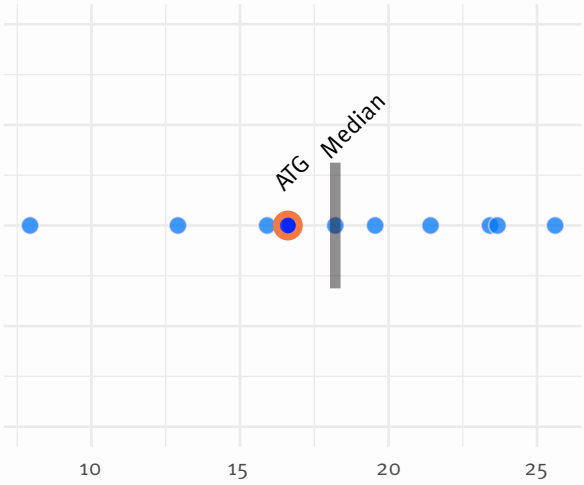
Weaknesses	Dimension	Rank	Value	Unit
Participation in IEC technical committees	Standards	78	2	Number
Number of recognised certificates (IQNet)	Conformity	85	59	Number
Number of recognised certificates (ISO)	Conformity	94	662	Number

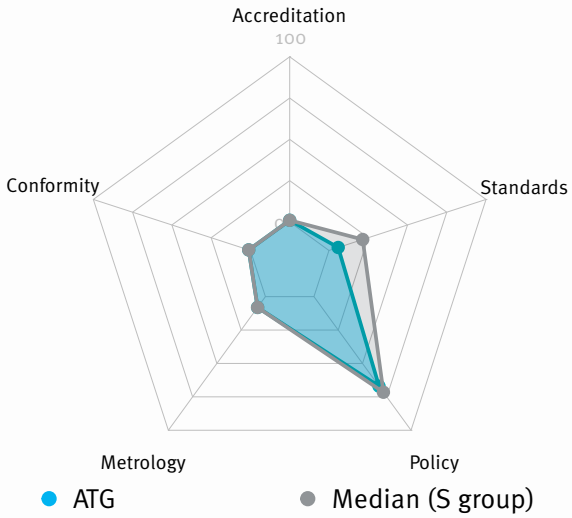
ANTIGUA AND BARBUDA

GDP GROUP RANK: 8/11 (S)
OVERALL RANK: 113/137

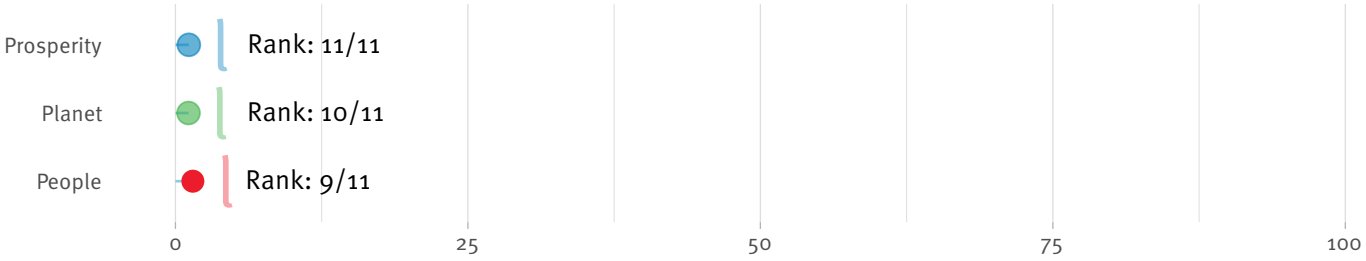
Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Latin America & Caribbean	High	1	14,450	98

QI4SD Index (S group)





P–Scores



Vertical lines represent in–group median scores. Ranks are within GDP group (S)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Adopted IEC standards	Standards	47	5	Number
Number of recognised certificates (ISO)	Conformity	117	236	Number
Participation in ISO technical committees	Standards	134	4	Number

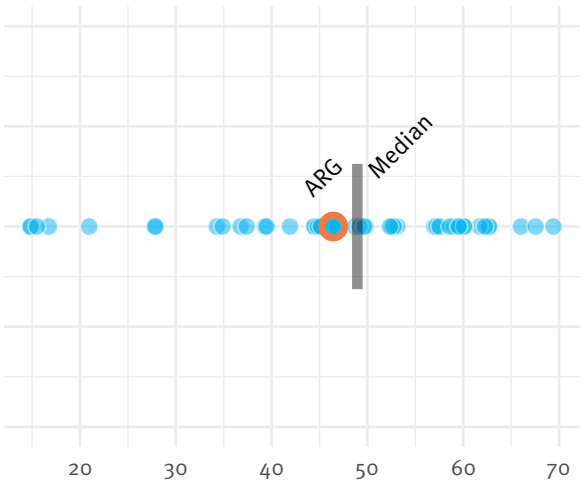
Weaknesses	Dimension	Rank	Value	Unit
Number of recognised certificates (IQNet)	Standards	47	5	Number
Number of recognised certificates (ISO)	Conformity	117	236	Number
Participation in ISO technical committees	Standards	134	4	Number

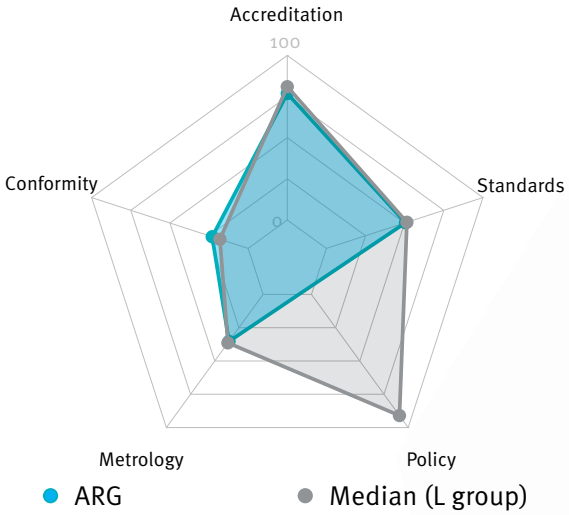
ARGENTINA

GDP GROUP RANK: 27/46 (L)
OVERALL RANK: 47/137

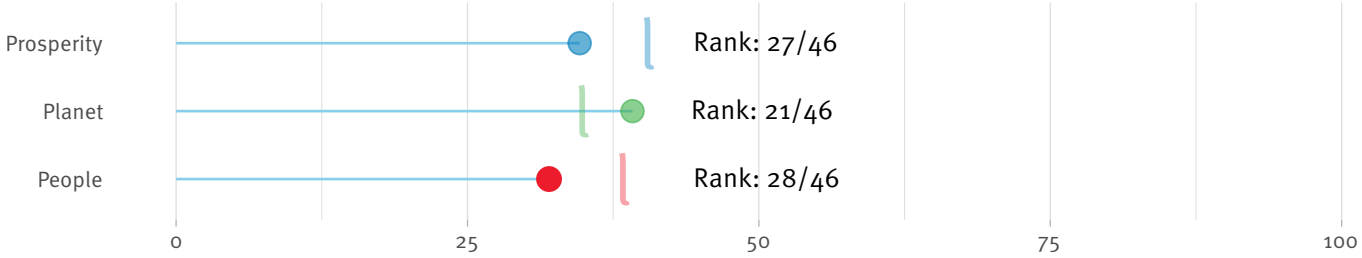
Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Latin America & Caribbean	Upper middle	383	8,442	45,377

QI4SD Index (L group)





P–Scores



Vertical lines represent in–group median scores. Ranks are within GDP group (L)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Number of IECEE certificates recognised	Conformity	11	720	Number
Membership of IQNet	Conformity	11	10	Composite score
Number of recognised certificates (IQNet)	Conformity	19	3750	Number

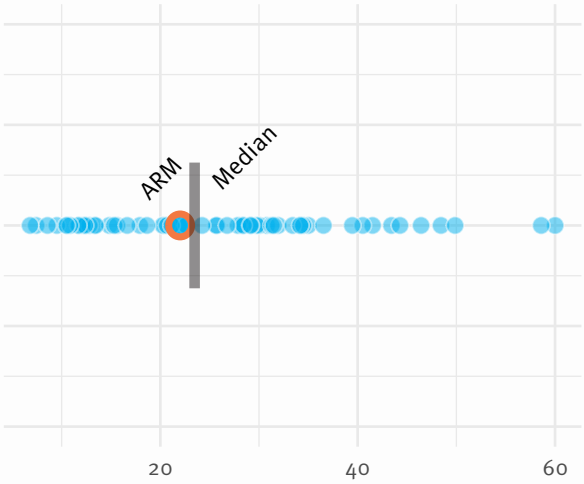
Weaknesses	Dimension	Rank	Value	Unit
Participation in IEC technical committees	Accreditation	46	6	Number
Number of recognised certificates (IQNet)	Standards	51	30	Number
Number of recognised certificates (ISO)	Metrology	61	1	Composite score

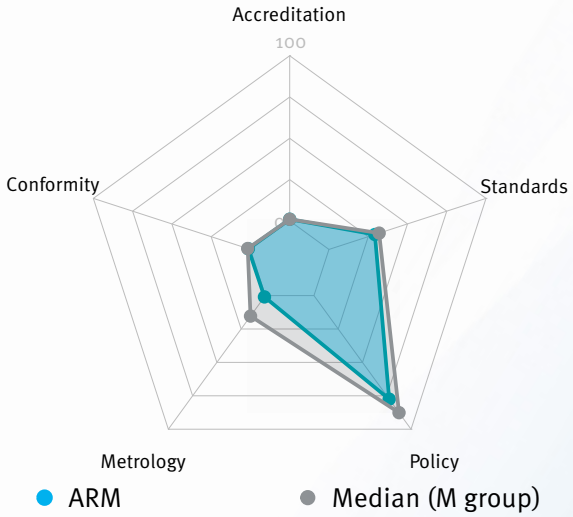
ARMENIA

GDP GROUP RANK: 36/64 (M)
OVERALL RANK: 96/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Europe & Central Asia	Upper middle	13	4,267	2,963

QI4SD Index (M group)





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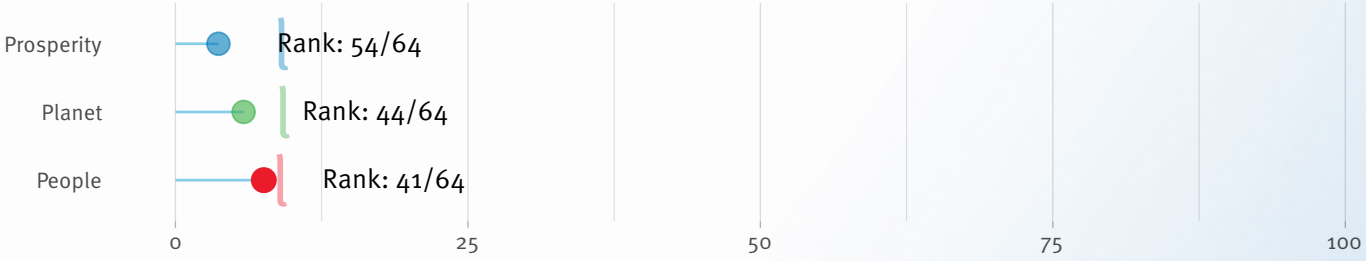


Vertical lines represent in–group median scores. Ranks are within GDP group (M)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Adopted ISO standards	Standards	69	5	Number
Membership of ITU	Standards	79	236	Composite score
Participation in ISO technical committees	Standards	83	4	Number

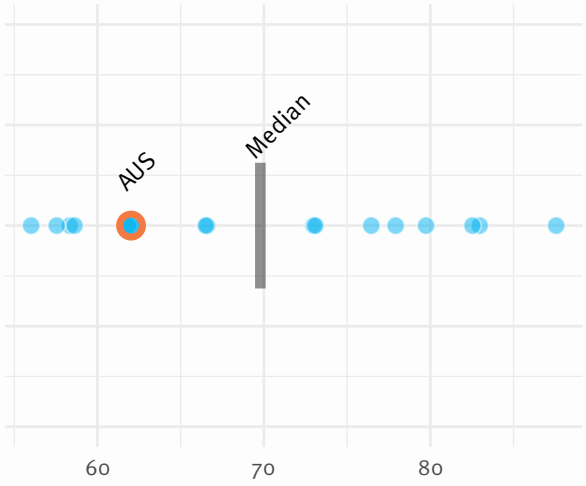
Weaknesses	Dimension	Rank	Value	Unit
Participation in ISO technical committees	Standards	83	77	Number
Number of recognised certificates (ISO)	Conformity	96	624	Number
Number of recognised certificates (IQNet)	Conformity	98	20	Number

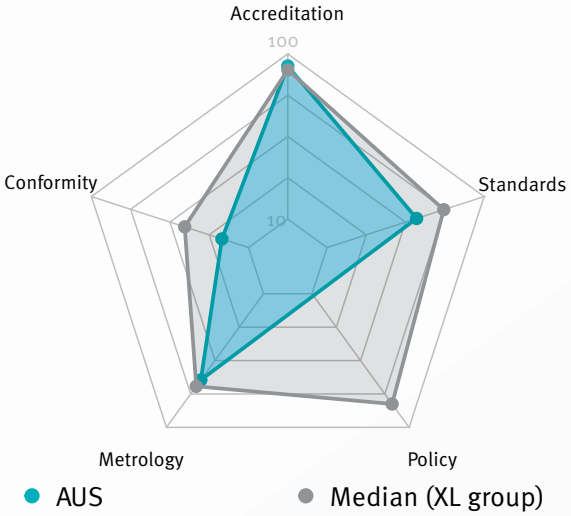
AUSTRALIA

GDP GROUP RANK: 11/16 (XL)
OVERALL RANK: 17/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
East Asia & Pacific	High	1,331	51,812	25,687

QI4SD Index (XL group)





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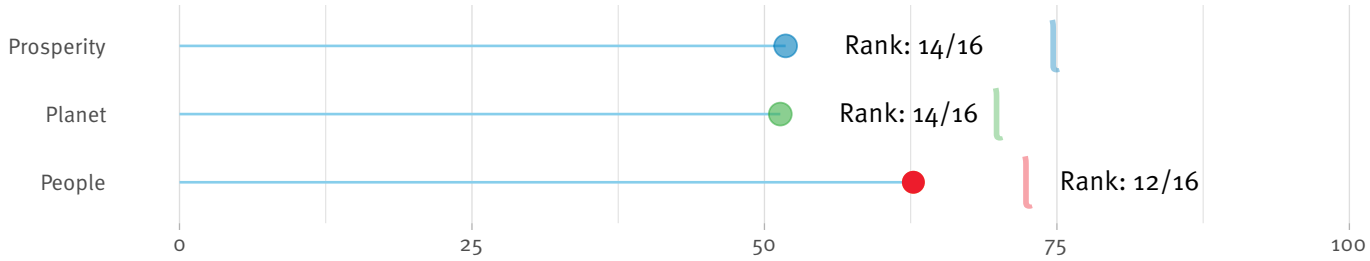


Vertical lines represent in–group median scores. Ranks are within GDP group (XL)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Involvement in OIML project groups	Metrology	6	92	Composite score
Participation in key and supplementary comparisons	Metrology	10	370	Number
Participation in BIPM Consultative Committees	Metrology	13	17	Number

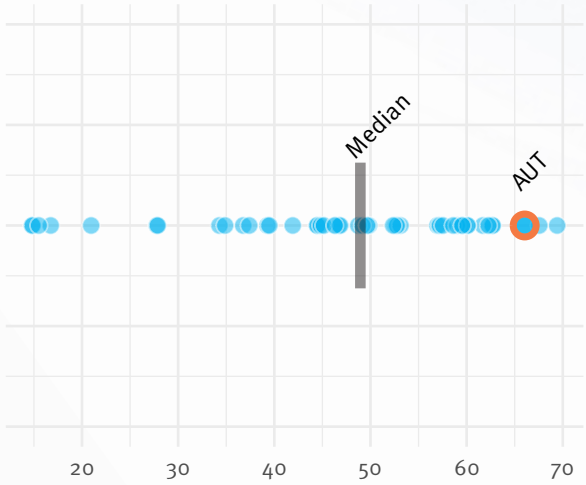
Weaknesses	Dimension	Rank	Value	Unit
OIML-CS - number of services recognised	Metrology	29	5	Number
Membership of IQNet	Conformity	46	2	Composite score
Number of recognised certificates (IQNet)	Conformity	60	218	Number

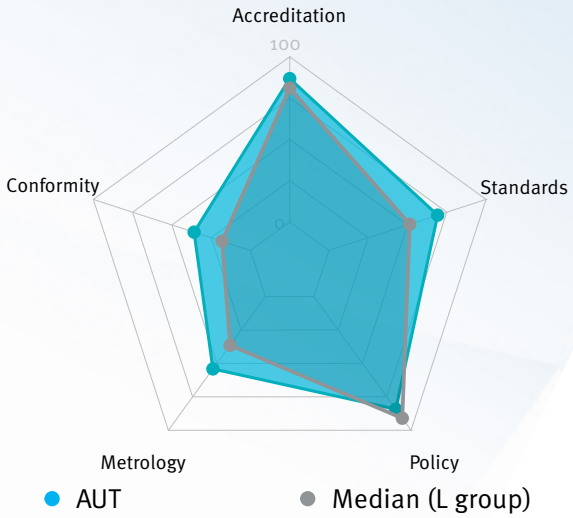
AUSTRIA

GDP GROUP RANK: 3/46 (L)
OVERALL RANK: 13/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Europe & Central Asia	High	431	48,328	8,917

QI4SD Index (L group)





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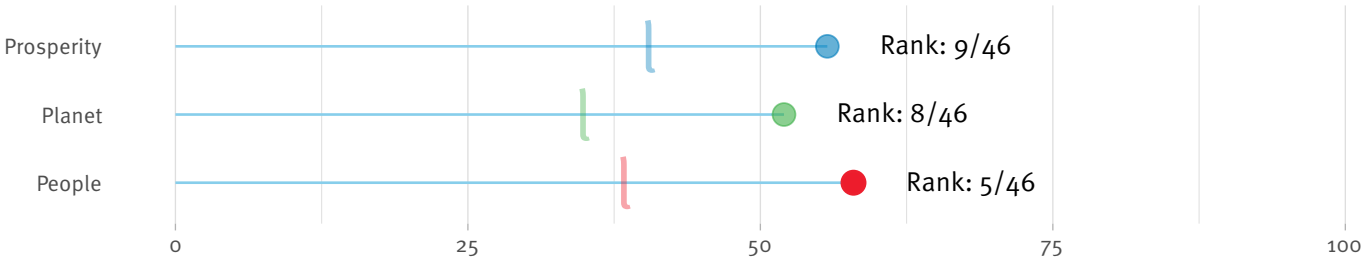


Vertical lines represent in–group median scores. Ranks are within GDP group (L)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Scopes of IAF accreditation bodies	Accreditation	5	12	Number
Membership of IQNet	Conformity	7	22	Composite score
Involvement in OIML project groups	Metrology	16	67	Composite score

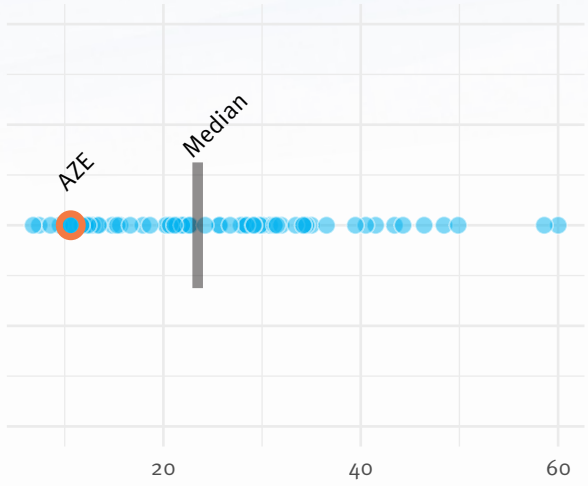
Weaknesses	Dimension	Rank	Value	Unit
Breadth of CMCs	Metrology	30	24	Number of types
Number of recognised certificates (ISO)	Conformity	45	4,880	Number
Membership of ITU	Standards	53	3	Composite score

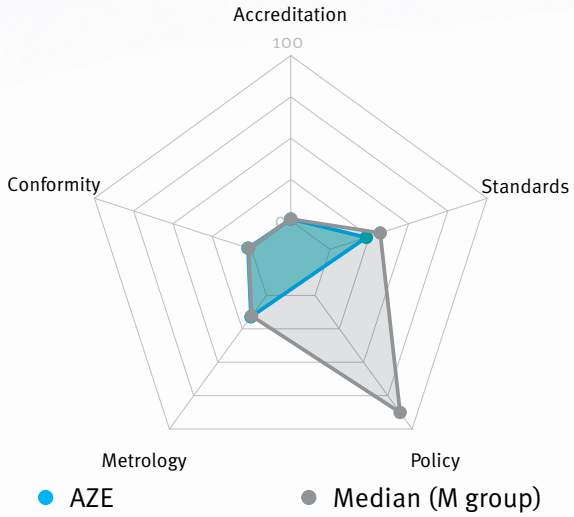
AZERBAIJAN

GDP GROUP RANK: 59/64 (M)
OVERALL RANK: 131/137

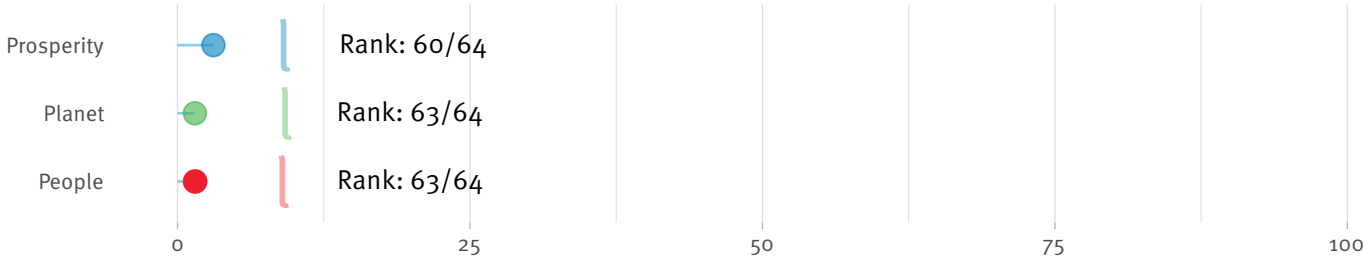
Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Europe & Central Asia	Upper middle	43	4,214	10,110

QI4SD Index (M group)





P–Scores



Vertical lines represent in–group median scores. Ranks are within GDP group (M)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Membership of IQNet	Conformity	46	2	Composite score
Number of recognised certificates (IQNet)	Conformity	59	248	Number
Number of CMCs	Metrology	62	31	Number

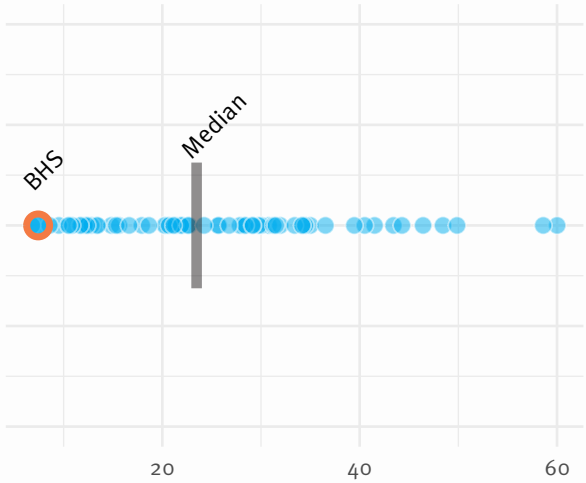
Weaknesses	Dimension	Rank	Value	Unit
Participation in key and supplementary comparisons	Metrology	77	11	Number
Number of recognised certificates (ISO)	Conformity	109	295	Number
Participation in ISO technical committees	Standards	122	11	Number

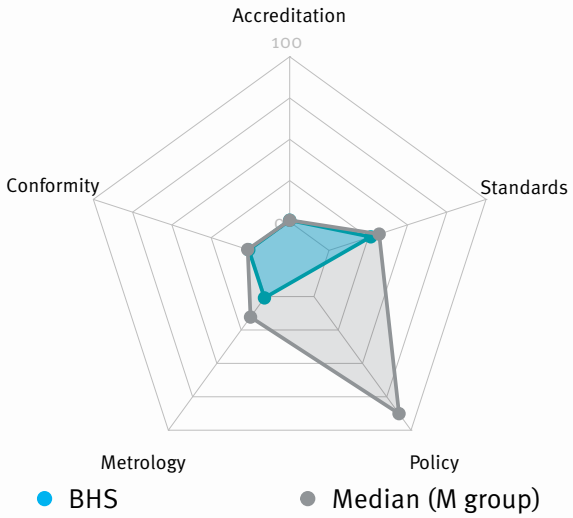
BAHAMAS

GDP GROUP RANK: 63/64 (M)
OVERALL RANK: 136/137

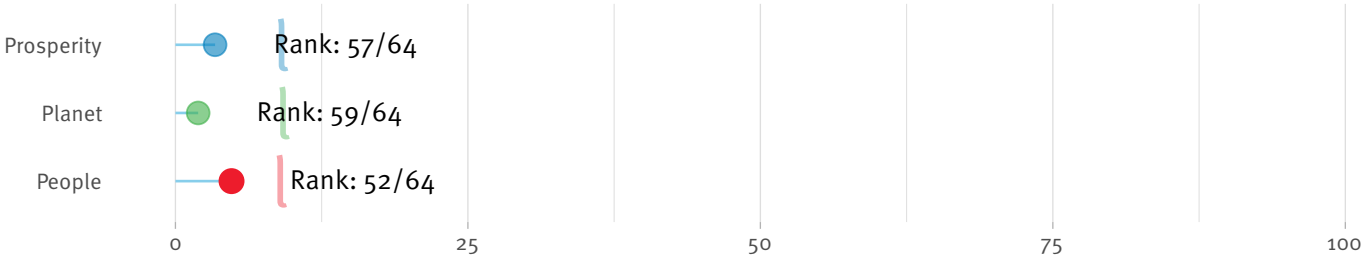
Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Latin America & Caribbean	High	11	28,608	393

QI4SD Index (M group)





P–Scores



Vertical lines represent in–group median scores. Ranks are within GDP group (M)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Membership of ITU	Standards	41	4	Composite score
Adopted ISO standards	Standards	80	4	Number
Number of recognised certificates (ISO)	Conformity	124	128	Number

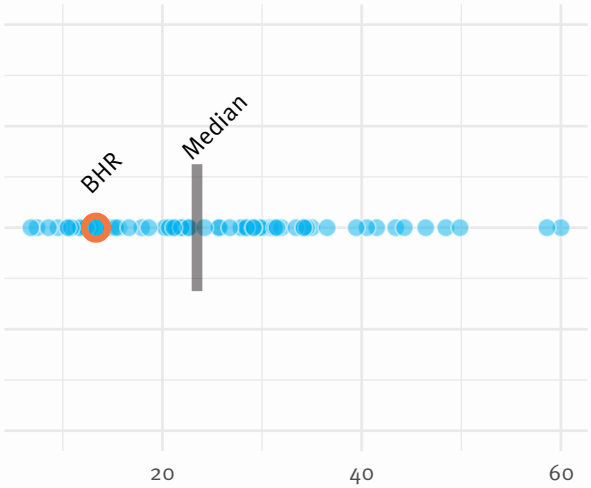
Weaknesses	Dimension	Rank	Value	Unit
Adopted ISO standards	Standards	80	4	Number
Number of recognised certificates (ISO)	Conformity	124	128	Number
Participation in ISO technical committees	Standards	124	10	Number

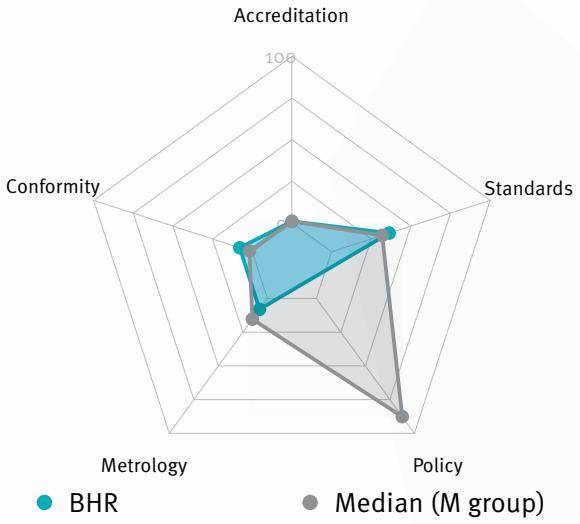
BAHRAIN

GDP GROUP RANK: 51/64 (M)
OVERALL RANK: 122/137

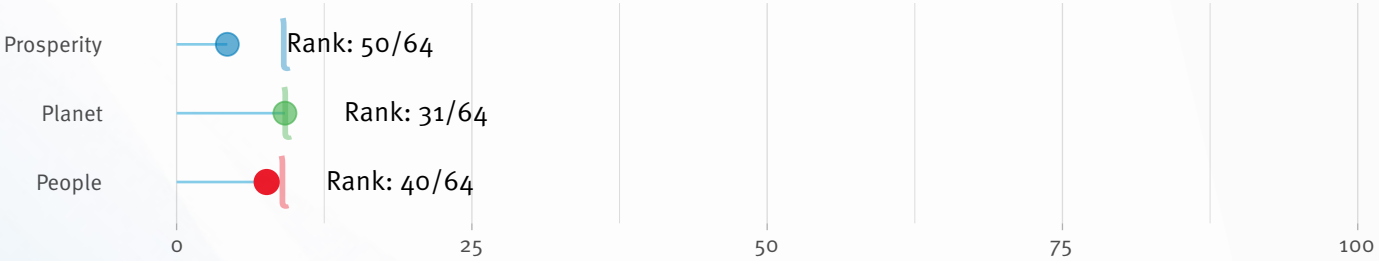
Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Middle East & North Africa	High	38	23,443	1,702

QI4SD Index (M group)





P–Scores



Vertical lines represent in–group median scores. Ranks are within GDP group (M)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Adopted ISO standards	Standards	55	9	Number
Membership of IQNet	Conformity	57	1	Composite score
Participation in IEC technical committees	Standards	63	6	Number

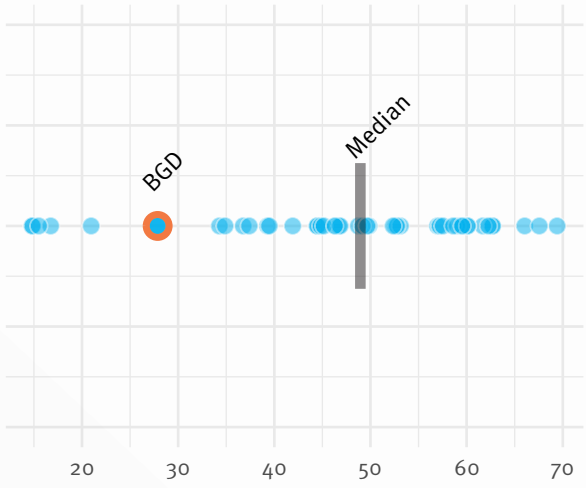
Weaknesses	Dimension	Rank	Value	Unit
Participation in ISO technical committees	Standards	90	63	Number
Number of recognised certificates (ISO)	Conformity	93	669	Number
Number of recognised certificates (IQNet)	Conformity	101	16	Number

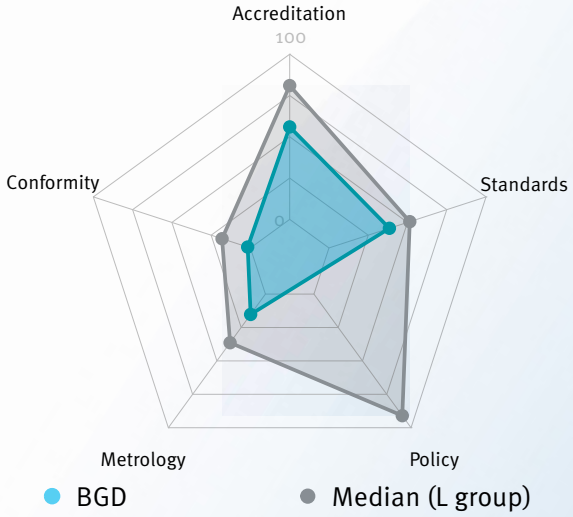
BANGLADESH

GDP GROUP RANK: 40/46 (L)
OVERALL RANK: 83/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
South Asia	Lower middle	324	1,969	164,689

QI4SD Index (L group)





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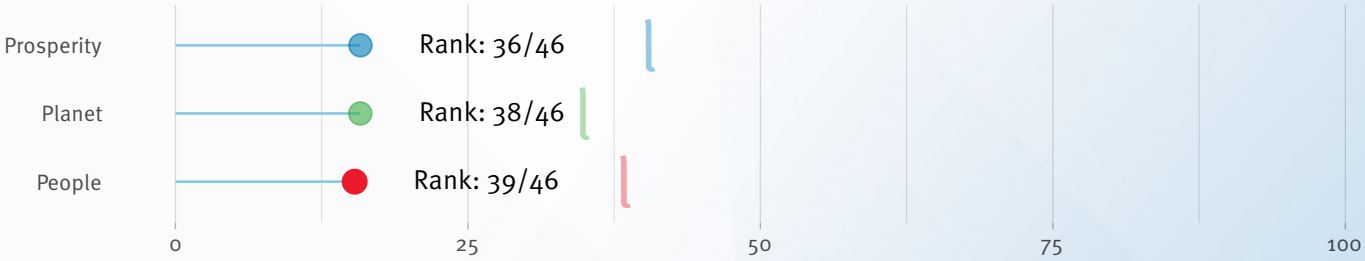


Vertical lines represent in–group median scores. Ranks are within GDP group (L)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Adopted IEC standards	Standards	7	297	Number
Membership of ITU	Standards	33	6	Composite score
Membership of IQNet	Conformity	57	1	Composite score

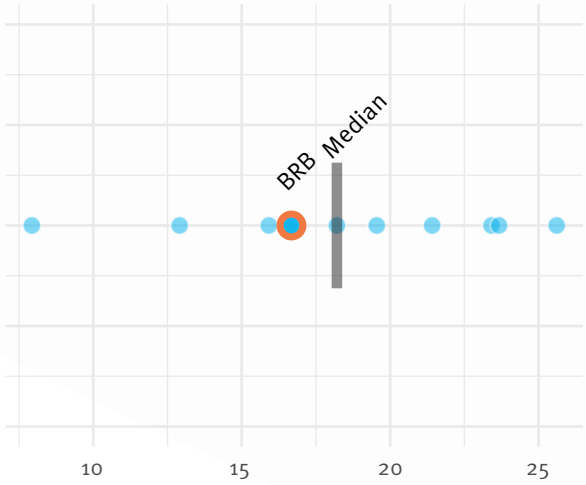
Weaknesses	Dimension	Rank	Value	Unit
Participation in key and supplementary comparisons	Metrology	89	4	Number
Number of recognised certificates (IQNet)	Conformity	98	20	Number
Participation in ISO technical committees	Standards	107	25	Number

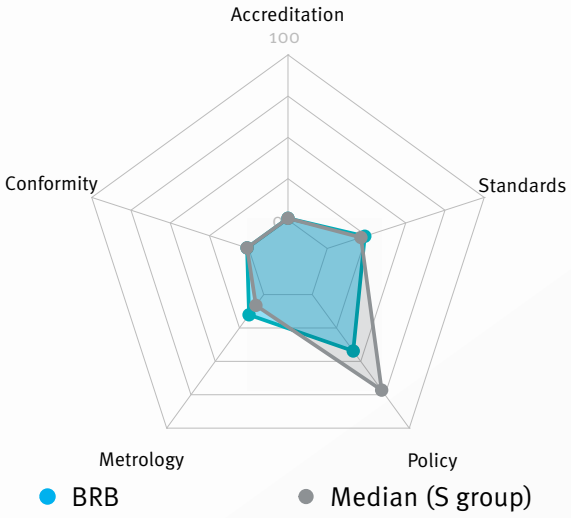
BARBADOS

GDP GROUP RANK: 7/11 (S)
OVERALL RANK: 111/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Latin America & Caribbean	High	4	15,191	287

QI4SD Index (M group)





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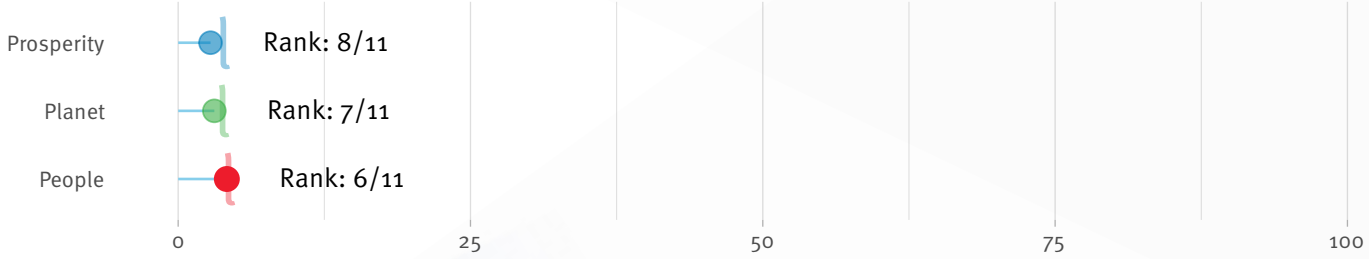


Vertical lines represent in–group median scores. Ranks are within GDP group (S)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Adopted IEC standards	Standards	42	19	Number
Adopted ISO standards	Standards	75	5	Number
Participation in ISO technical committees	Standards	99	37	Number

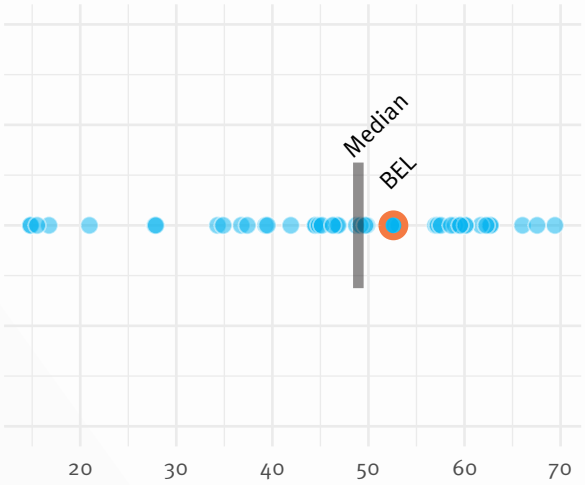
Weaknesses	Dimension	Rank	Value	Unit
Participation in ISO technical committees	Standards	99	37	Number
Number of recognised certificates (IQNet)	Conformity	117	3	Number
Number of recognised certificates (ISO)	Conformity	122	152	Number

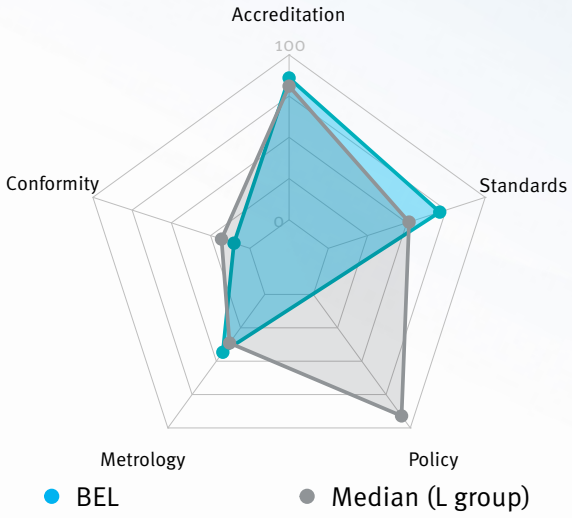
BELARUS

GDP GROUP RANK: 5/64 (M)
OVERALL RANK: 48/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Europe & Central Asia	Upper middle	60	6,411	9,399

QI4SD Index (M group)





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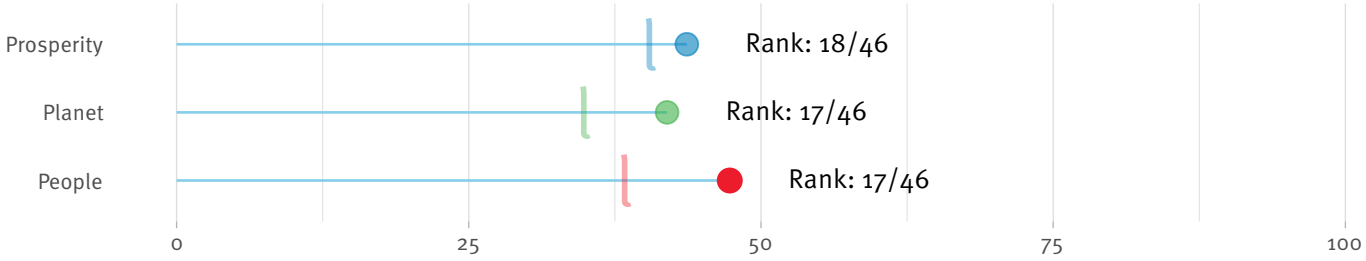


Vertical lines represent in–group median scores. Ranks are within GDP group (L)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Number of IECEE certificates recognised	Conformity	13	568	Number
Scopes of IAF accreditation bodies	Accreditation	28	9	Number
Number of CMCs	Metrology	30	296	Number

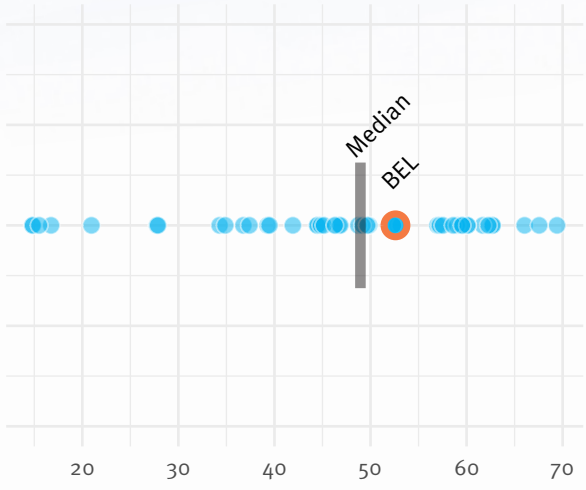
Weaknesses	Dimension	Rank	Value	Unit
Membership of IQNet	Conformity	57	1	Composite score
Number of recognised certificates (IQNet)	Conformity	58	267	Number
Participation in ISO technical committees	Standards	58	195	Number

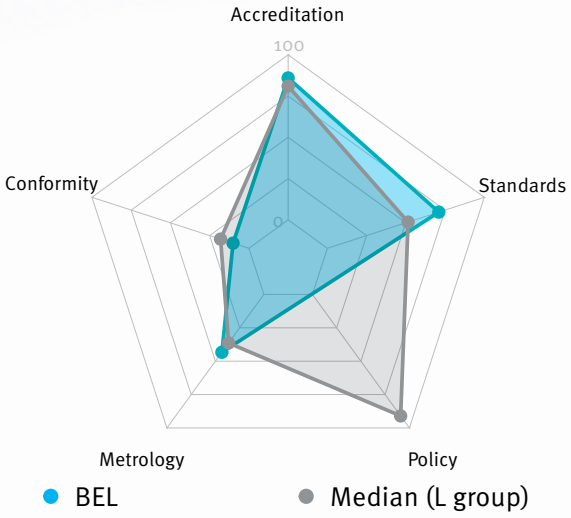
BELGIUM

GDP GROUP RANK: 19/46 (L)
OVERALL RANK: 37/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Europe & Central Asia	High	515	44,594	11,556

QI4SD Index (M group)





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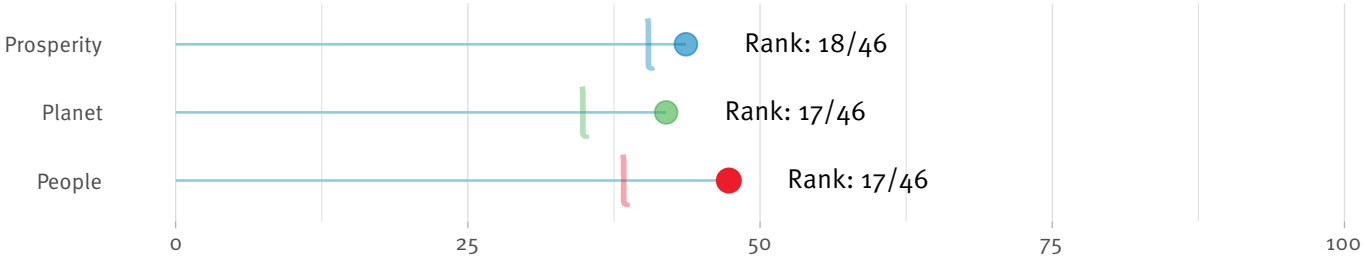


Vertical lines represent in–group median scores. Ranks are within GDP group (L)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
OIML-CS - number of services recognised	Metrology	11	47	Number
Participation in IEC technical committees	Standards	11	290	Number
Participation in ISO technical committees	Standards	16	985	Number

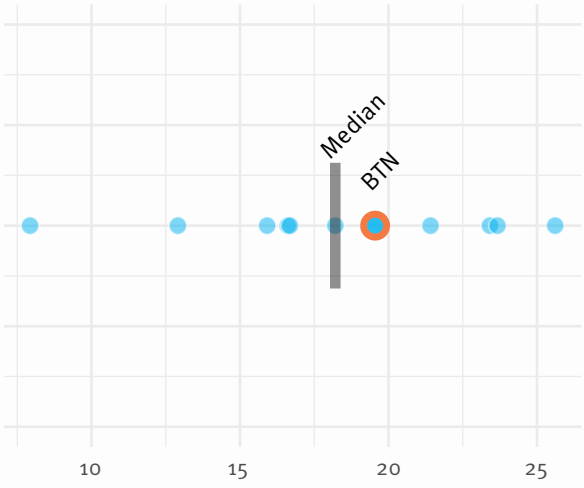
Weaknesses	Dimension	Rank	Value	Unit
Breadth of CMCs	Metrology	54	9	Number of types
Membership of IQNet	Conformity	57	1	Composite score
Number of CMCs	Metrology	57	65	Number

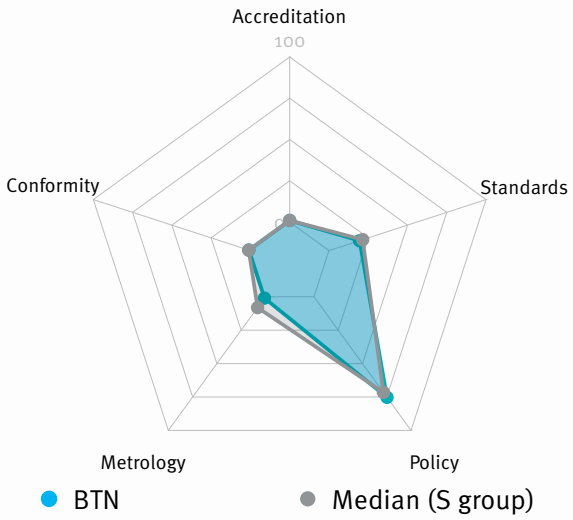
BHUTAN

GDP GROUP RANK: 5/11 (S)
OVERALL RANK: 106/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
South Asia	Lower middle	2	3,122	772

QI4SD Index (S group)





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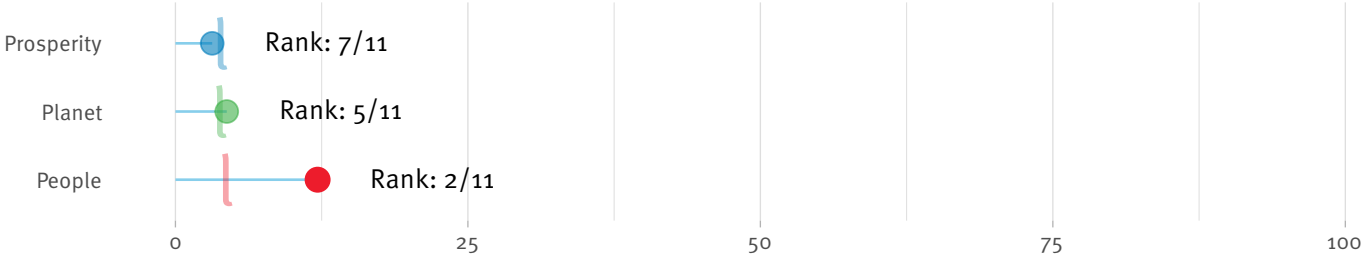


Vertical lines represent in–group median scores. Ranks are within GDP group (S)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Adopted IEC standards	Standards	20	126	Number
Adopted ISO standards	Standards	75	5	Number
Participation in ISO technical committees	Standards	113	21	Number

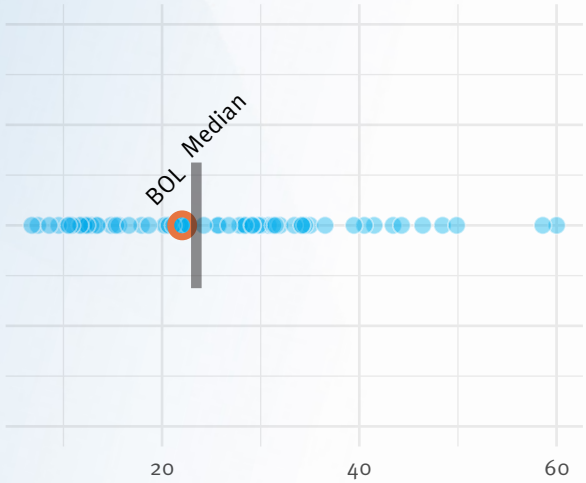
Weaknesses	Dimension	Rank	Value	Unit
Adopted ISO standards	Standards	75	5	Number
Participation in ISO technical committees	Standards	113	21	Number
Number of recognised certificates (ISO)	Conformity	132	59	Number

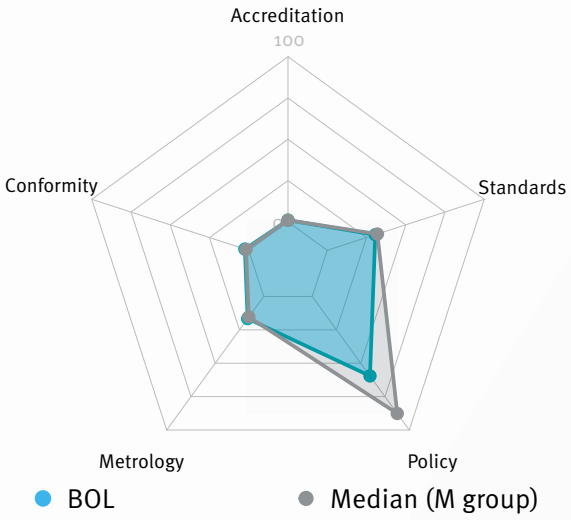
BOLIVIA

GDP GROUP RANK: 35/64 (M)
OVERALL RANK: 95/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Latin America & Caribbean	Lower middle	37	3,143	11,673

QI4SD Index (M group)





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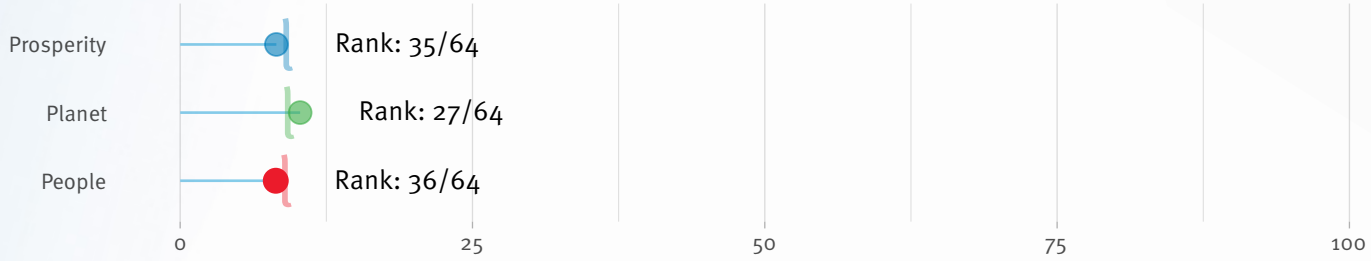


Vertical lines represent in–group median scores. Ranks are within GDP group (M)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Adopted ISO standards	Standards	30	15	Number
Membership of IQNet	Conformity	31	3	Composite score
Adopted IEC standards	Standards	40	27	Number

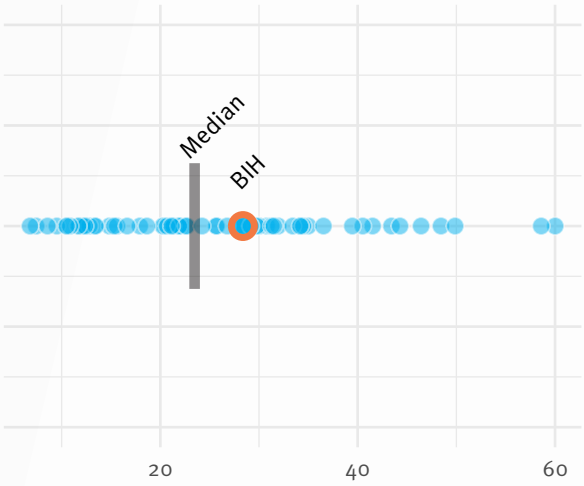
Weaknesses	Dimension	Rank	Value	Unit
Number of recognised certificates (IQNet)	Conformity	73	134	Number
Participation in ISO technical committees	Standards	96	42	Number
Number of recognised certificates (ISO)	Conformity	106	373	Number

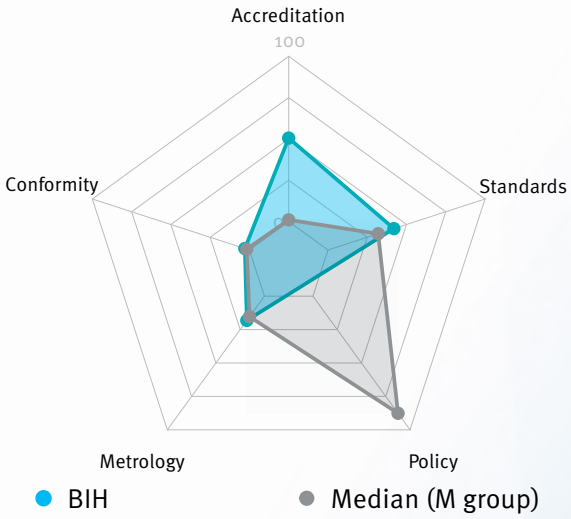
BOSNIA AND HERZEGOVINA

GDP GROUP RANK: 26/64 (M)
OVERALL RANK: 81/137

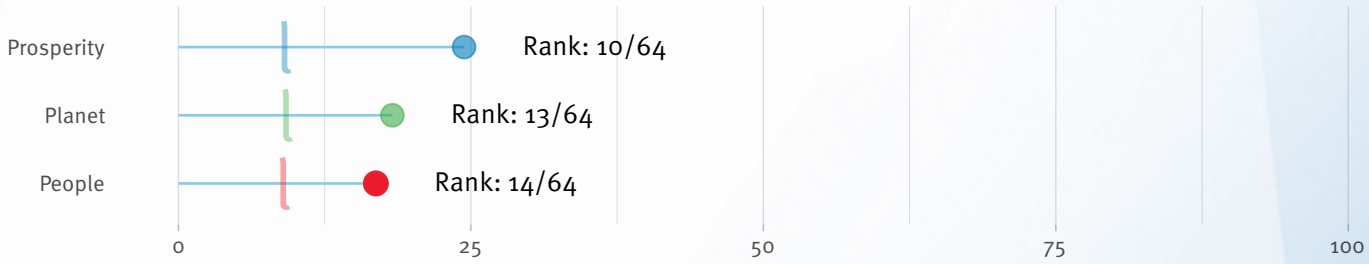
Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Europe & Central Asia	Upper middle	20	6,032	3,281

QI4SD Index (M group)





P–Scores



Vertical lines represent in–group median scores. Ranks are within GDP group (M)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Adopted ISO standards	Standards	17	16	Number
Number of recognised certificates (IQNet)	Conformity	49	490	Number
Number of CMCs	Metrology	49	79	Number

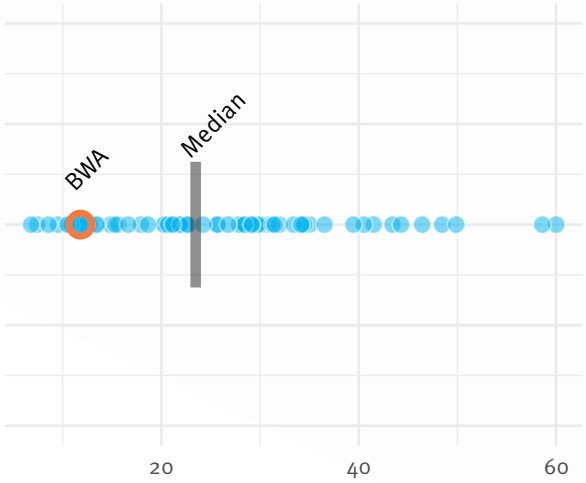
Weaknesses	Dimension	Rank	Value	Unit
Membership of IQNet	Standards	68	2	Composite score
Number of recognised certificates (IQNet)	Standards	77	104	Number
Participation in ISO technical committees	Standards	80	1	Number

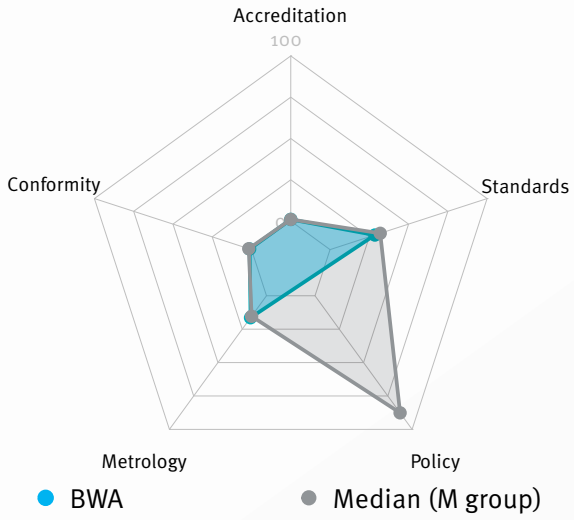
BOTSWANA

GDP GROUP RANK: 56/64 (M)
OVERALL RANK: 128/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Sub-Saharan Africa	Upper middle	16	6,711	2,352

QI4SD Index (M group)





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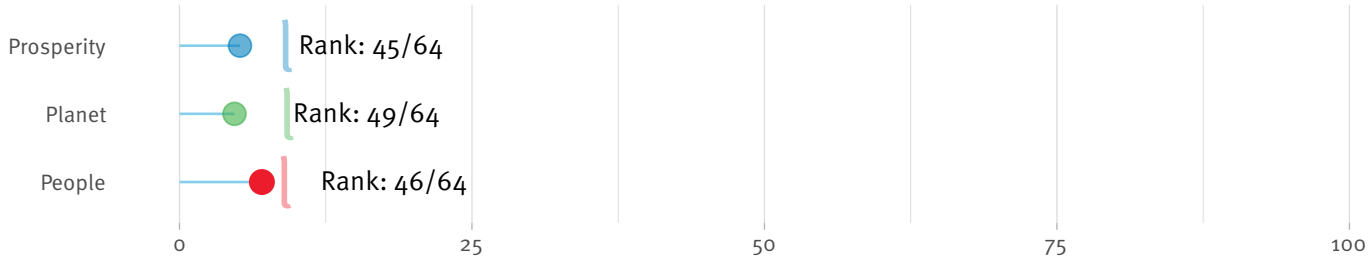


Vertical lines represent in–group median scores. Ranks are within GDP group (M)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Adopted IEC standards	Standards	18	164	Number
Involvement in OIML project groups	Metrology	43	9	Composite score
Breadth of CMCs	Metrology	73	1	Number

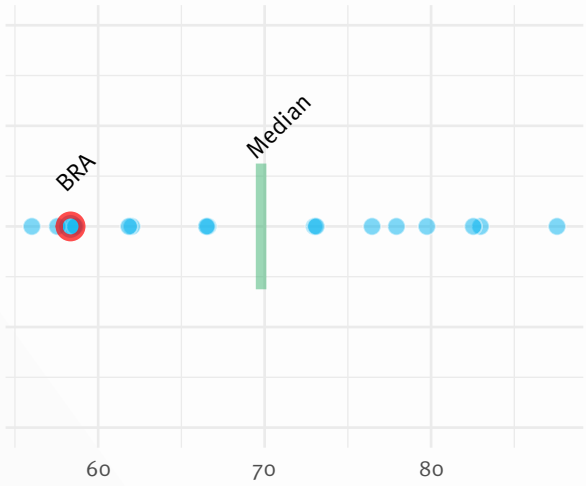
Weaknesses	Dimension	Rank	Value	Unit
Number of recognised certificates (IQNet)	Conformity	96	24	Number
Membership of ITU	Standards	99	0	Composite score
Number of recognised certificates (ISO)	Conformity	105	382	Number

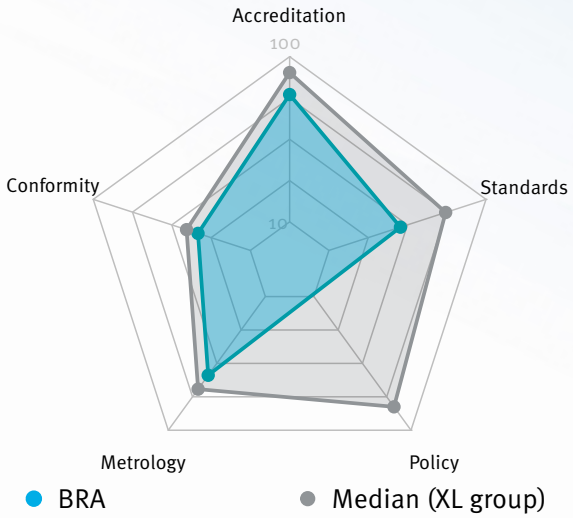
BRAZIL

GDP GROUP RANK: 14/16 (XL)
OVERALL RANK: 29/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Latin America & Caribbean	Upper middle	1,445	6,797	212,559

QI4SD Index (XL group)





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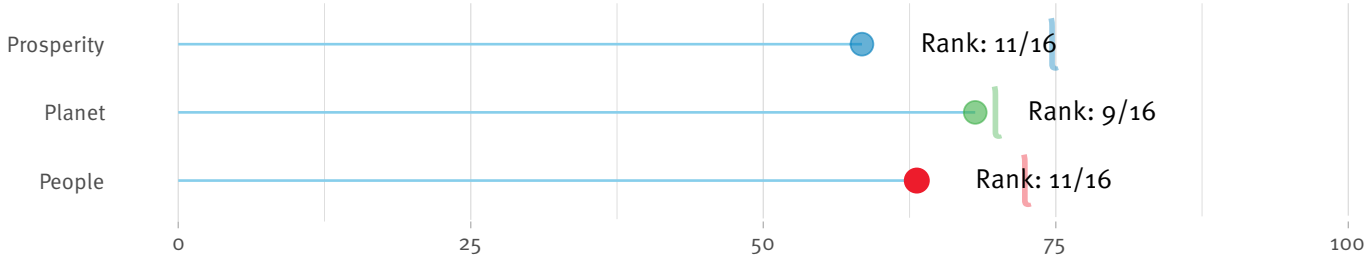


Vertical lines represent in–group median scores. Ranks are within GDP group (XL)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Number of recognised certificates (IQNet)	Conformity	8	9,570	Number
Membership of IQNet	Conformity	10	13	Composite score
Number of recognised certificates (ISO)	Conformity	11	21,300	Number

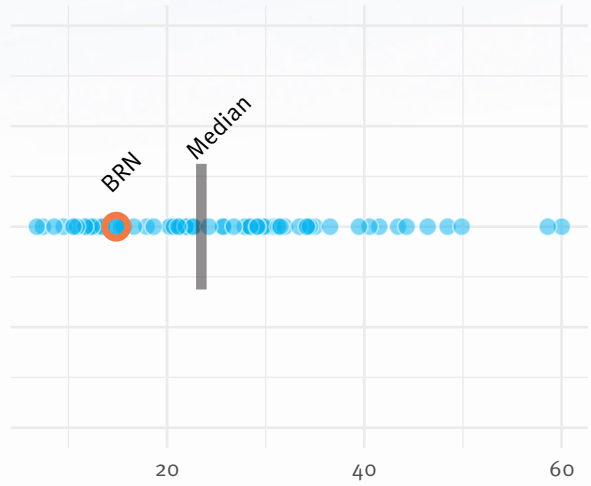
Weaknesses	Dimension	Rank	Value	Unit
Participation in ISO technical committees	Standards	29	553	Number
Scopes of IAF accreditation bodies	Accreditation	50	5	Number
Adopted ISO standards	Standards	82	3	Number

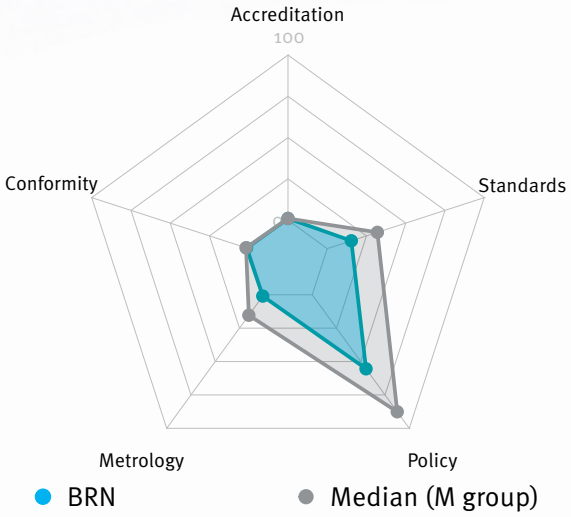
BRUNEI DARUSSALAM

GDP GROUP RANK: 49/64 (M)
OVERALL RANK: 119/137

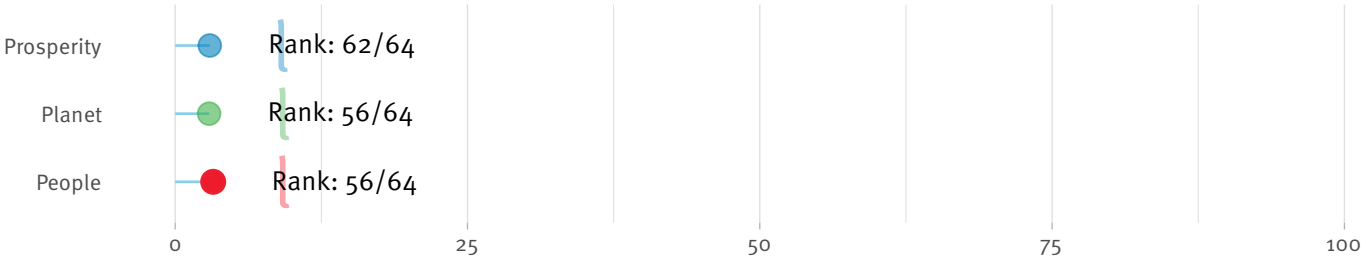
Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
East Asia & Pacific	High	12	27,466	437

QI4SD Index (M group)





P–Scores



Vertical lines represent in–group median scores. Ranks are within GDP group (M)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Adopted IEC standards	Standards	26	72	Number
Adopted ISO standards	Standards	85	1	Number
Number of recognised certificates (ISO)	Conformity	87	820	Number

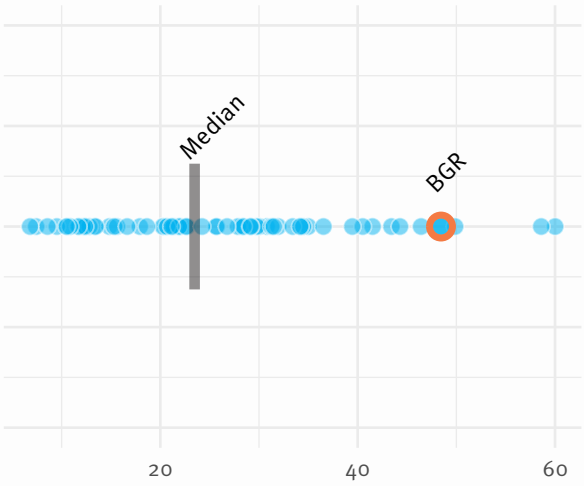
Weaknesses	Dimension	Rank	Value	Unit
Number of recognised certificates (ISO)	Conformity	87	820	Number
Number of recognised certificates (IQNet)	Conformity	104	14	Number
Participation in ISO technical committees	Standards	127	7	Number

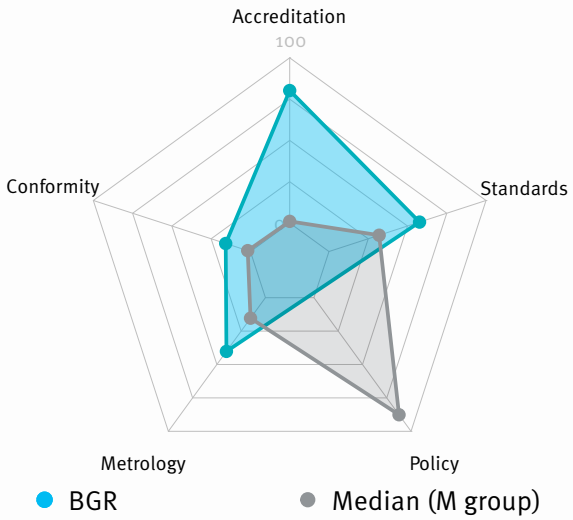
BULGARIA

GDP GROUP RANK: 4/64 (M)
OVERALL RANK: 44/137

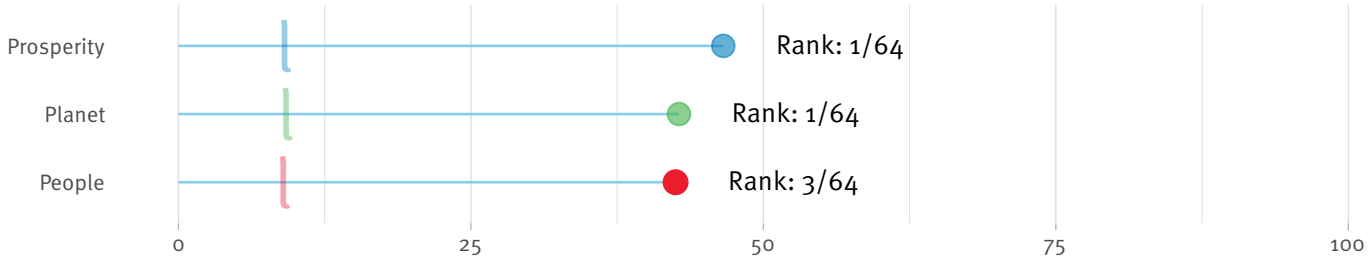
Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Europe & Central Asia	Upper middle	69	9,976	6,927

QI4SD Index (M group)





P–Scores



Vertical lines represent in–group median scores. Ranks are within GDP group (M)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Adopted ISO standards	Standards	15	17	Number
Membership of IQNet	Conformity	25	4	Composite score
Number of recognised certificates (ISO)	Conformity	27	9,230	Number

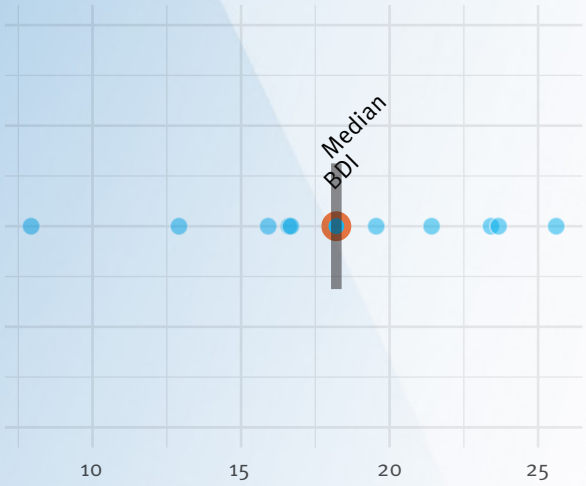
Weaknesses	Dimension	Rank	Value	Unit
Participation in ISO technical committees	Standards	41	385	Number
Involvement in OIML project groups	Metrology	43	9	Composite score
Membership of ITU	Standards	79	1	Composite score

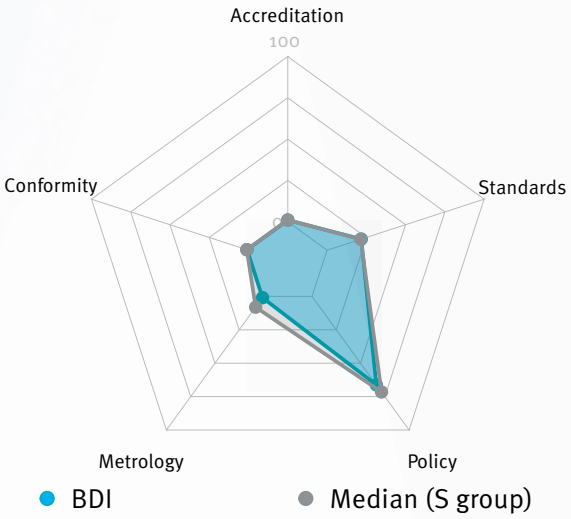
BURUNDI

GDP GROUP RANK: 6/11 (S)
OVERALL RANK: 108/137

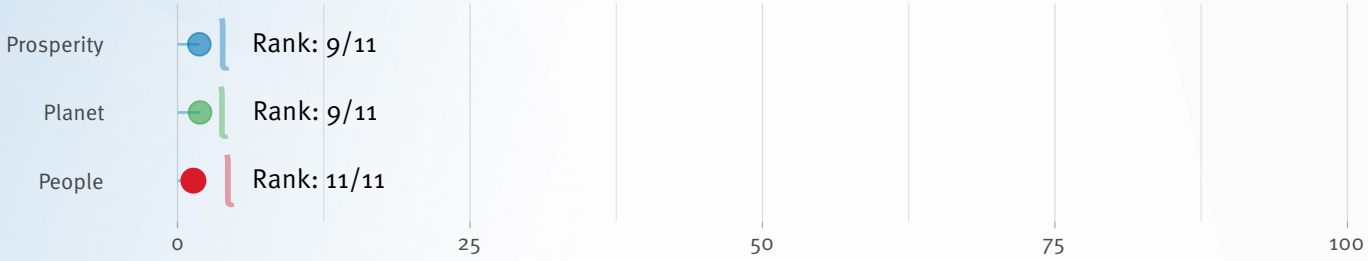
Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Sub-Saharan Africa	Low	3	274	11,891

QI4SD Index (S group)





P–Scores



Vertical lines represent in–group median scores. Ranks are within GDP group (S)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Adopted IEC standards	Standards	38	30	Number
Membership of ITU	Standards	68	2	Composite score
Adopted ISO standards	Standards	85	1	Number

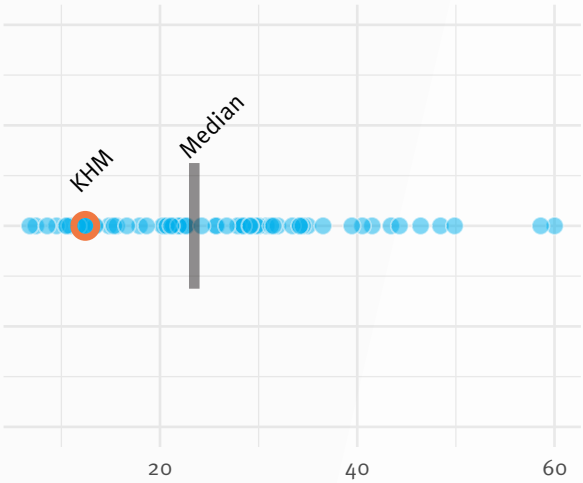
Weaknesses	Dimension	Rank	Value	Unit
Adopted ISO standards	Standards	85	1	Number
Participation in ISO technical committees	Standards	102	30	Number
Number of recognised certificates (ISO)	Conformity	136	20	Number

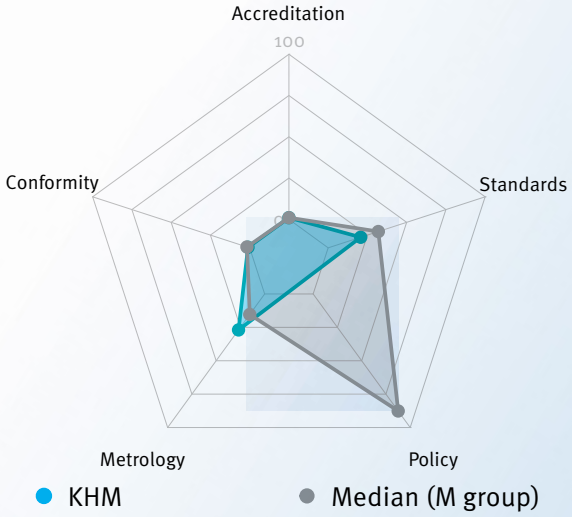
CAMBODIA

GDP GROUP RANK: 53/64 (M)
OVERALL RANK: 125/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
East Asia & Pacific	Lower middle	25	1,513	16,719

QI4SD Index (M group)





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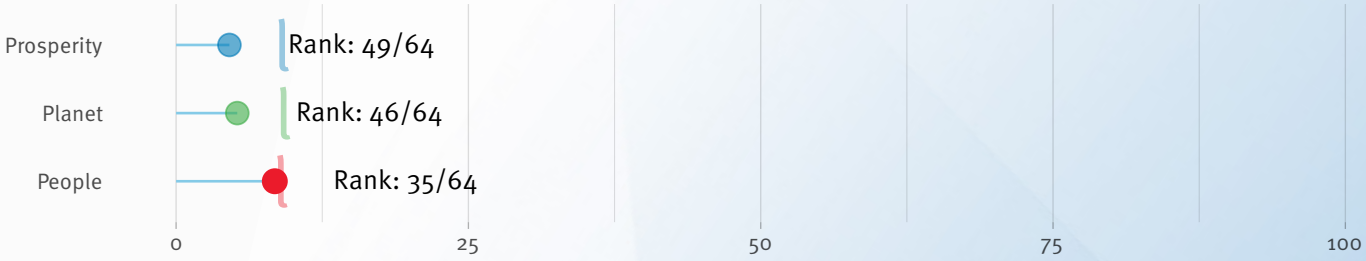


Vertical lines represent in–group median scores. Ranks are within GDP group (M)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
OIML-CS - number of services recognised	Metrology	6	60	Number
Adopted IEC standards	Standards	17	184	Number
Involvement in OIML project groups	Metrology	48	6	Composite score

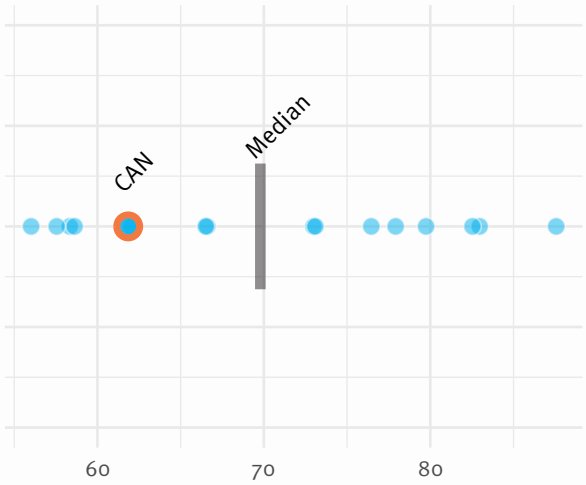
Weaknesses	Dimension	Rank	Value	Unit
Number of recognised certificates (IQNet)	Conformity	106	10	Number
Participation in ISO technical committees	Standards	120	13	Number
Number of recognised certificates (ISO)	Conformity	128	107	Number

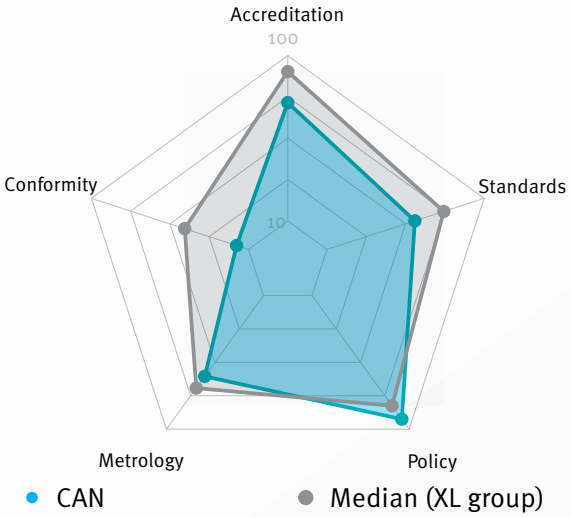
CANADA

GDP GROUP RANK: 12/16 (XL)
OVERALL RANK: : 18/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
North America	High	1,644	43,258	38,005

QI4SD Index (XL group)





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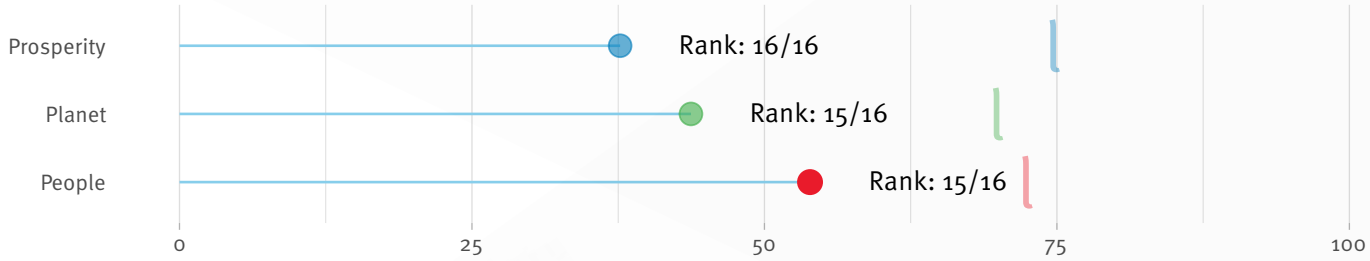


Vertical lines represent in–group median scores. Ranks are within GDP group (XL)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Participation in BIPM Consultative Committees	Metrology	1	20	Number
Membership of ITU	Standards	9	18	Composite score
Breadth of CMCs	Metrology	13	31	Number

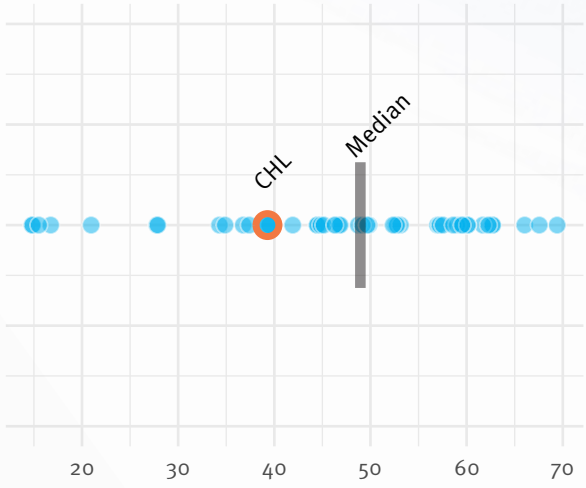
Weaknesses	Dimension	Rank	Value	Unit
Adopted ISO standards	Standards	55	9	Number
Membership of IQNet	Conformity	57	1	Composite score
Number of recognised certificates (IQNet)	Conformity	74	120	Number

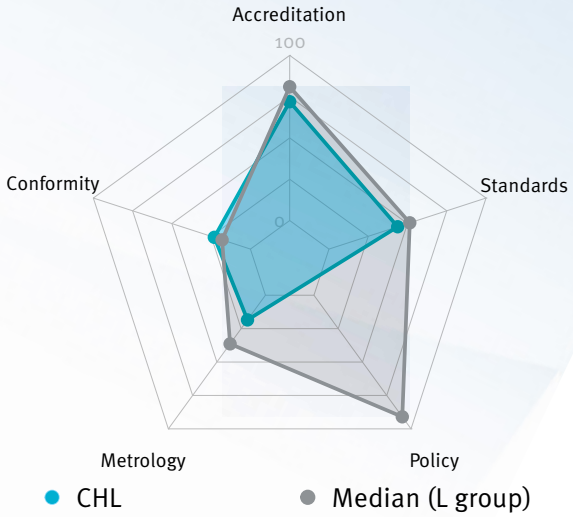
CHILE

GDP GROUP RANK:35/46 (L)
OVERALL RANK: 61/137

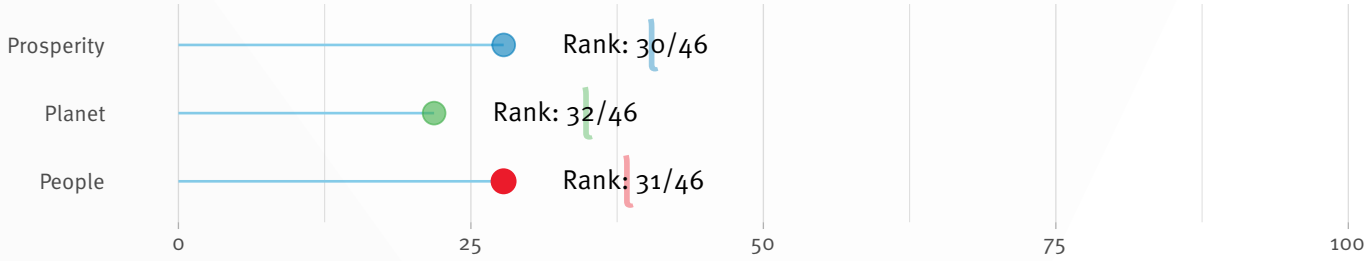
Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Latin America & Caribbean	High	253	13,232	19,116

QI4SD Index (L group)





P–Scores



Vertical lines represent in–group median scores. Ranks are within GDP group (L)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Number of recognised certificates (ISO)	Conformity	9	27,100	Number
Membership of IQNet	Conformity	20	5	Composite score
Number of recognised certificates (IQNet)	Conformity	31	1,290	Number

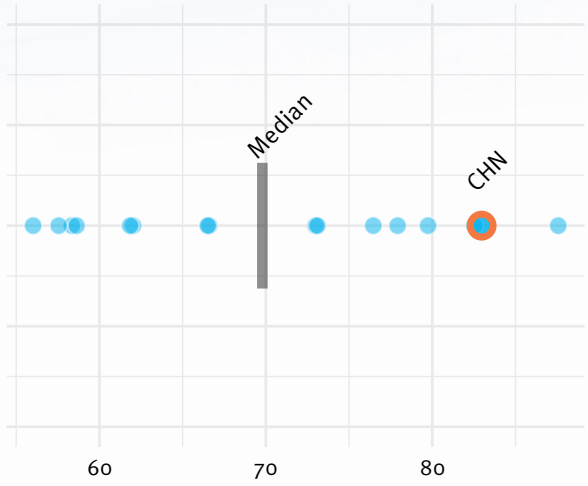
Weaknesses	Dimension	Rank	Value	Unit
Breadth of CMCs	Metrology	57	7	Number of types
Scopes of IAF accreditation bodies	Accreditation	62	3	Number
Participation in IEC technical committees	Standards	71	4	Number

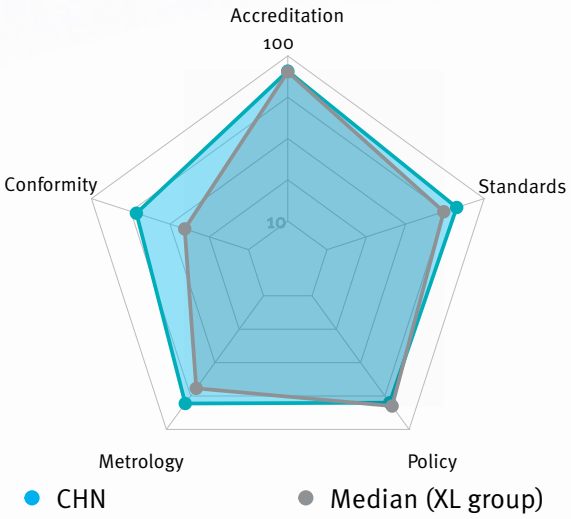
CHINA

GDP GROUP RANK: 2/16 (XL)
OVERALL RANK: 2/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
East Asia & Pacific	Upper middle	14,723	10,500	1,402,112

QI4SD Index (XL group)





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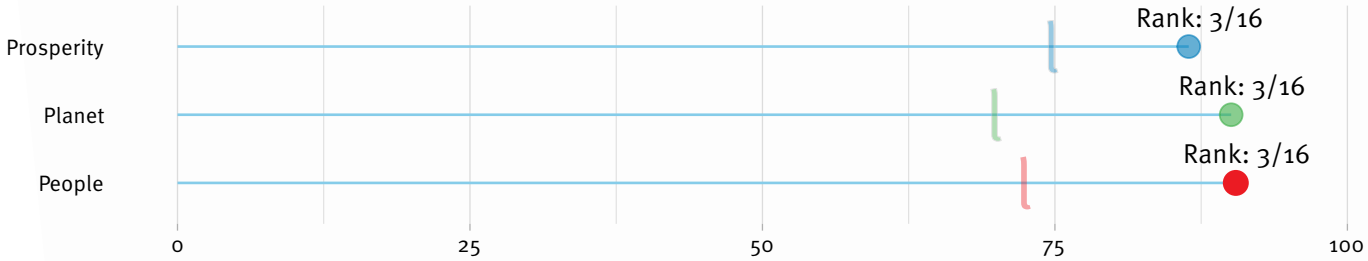


Vertical lines represent in–group median scores. Ranks are within GDP group (XL)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Number of recognised certificates (IQNet)	Conformity	1	127,000	Number
Number of recognised certificates (ISO)	Conformity	1	434,000	Number
Participation in BIPM Consultative Committees	Metrology	1	20	Number

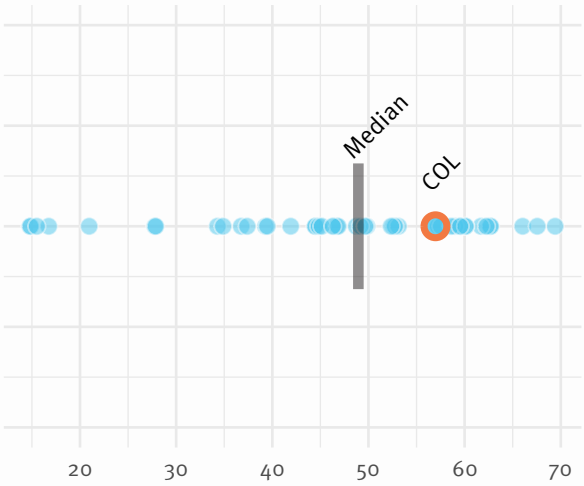
Weaknesses	Dimension	Rank	Value	Unit
OIML-CS - number of services recognised	Metrology	21	10	Number
Scopes of IAF accreditation bodies	Accreditation	22	10	Number
Adopted ISO standards	Standards	51	10	Number

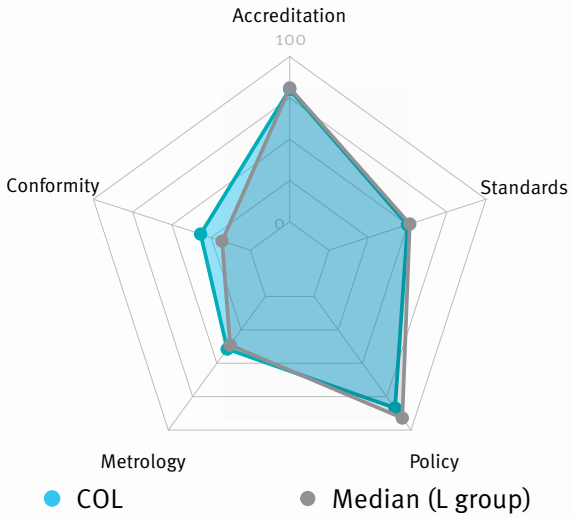
COLOMBIA

GDP GROUP RANK: 16/46 (L)
OVERALL RANK: 33/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Latin America & Caribbean	Upper middle	271	5,333	50,883

QI4SD Index (L group)





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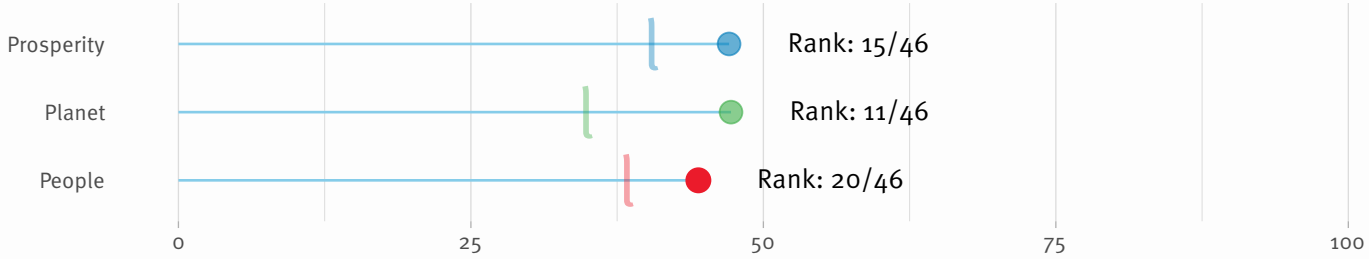


Vertical lines represent in–group median scores. Ranks are within GDP group (L)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
OIML-CS - number of services recognised	Metrology	5	65	Number
Membership of IQNet	Conformity	9	16	Composite score
Number of recognised certificates (IQNet)	Conformity	11	8,030	Number

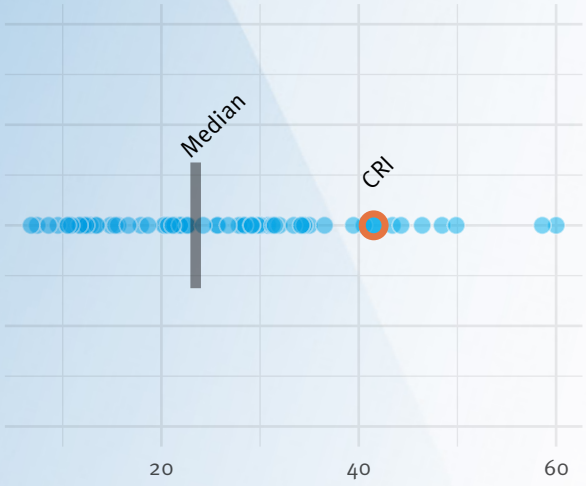
Weaknesses	Dimension	Rank	Value	Unit
Participation in ISO technical committees	Standards	49	246	Number
Number of CMCs	Metrology	50	77	Number
Participation in IEC technical committees	Standards	55	14	Number

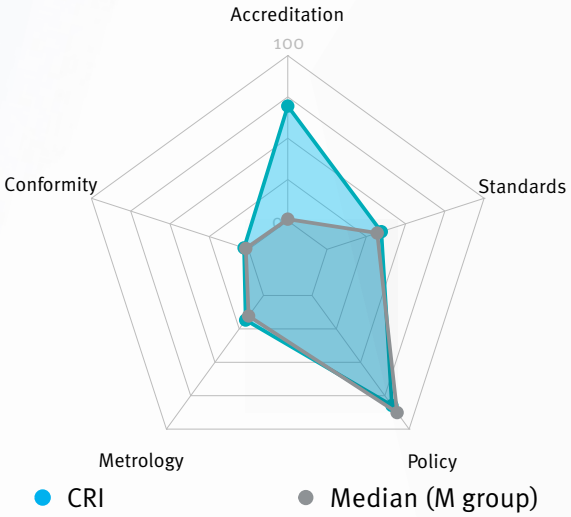
COSTA RICA

GDP GROUP RANK: 8/64 (M)
OVERALL RANK: 57/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Latin America & Caribbean	Upper middle	62	12,077	5,094

QI4SD Index (M group)





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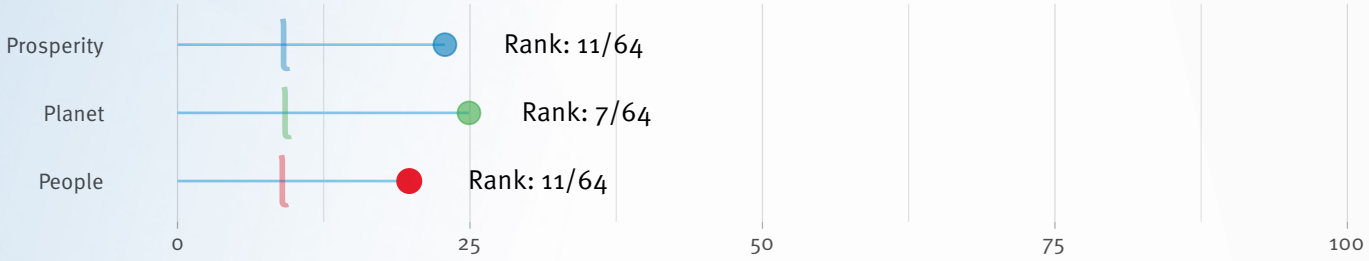


Vertical lines represent in–group median scores. Ranks are within GDP group (M)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Adopted ISO standards	Standards	7	18	Number
Adopted IEC standards	Standards	26	72	Number
Membership of ITU	Standards	41	4	Composite score

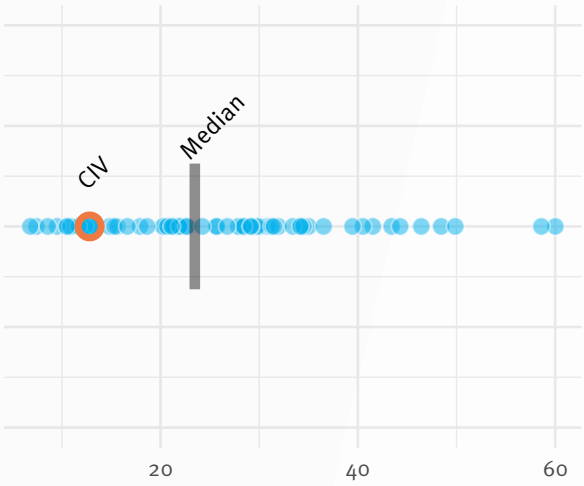
Weaknesses	Dimension	Rank	Value	Unit
Scopes of IAF accreditation bodies	Accreditation	58	4	Number
Participation in ISO technical committees	Standards	81	86	Number
Number of recognised certificates (ISO)	Conformity	91	699	Number

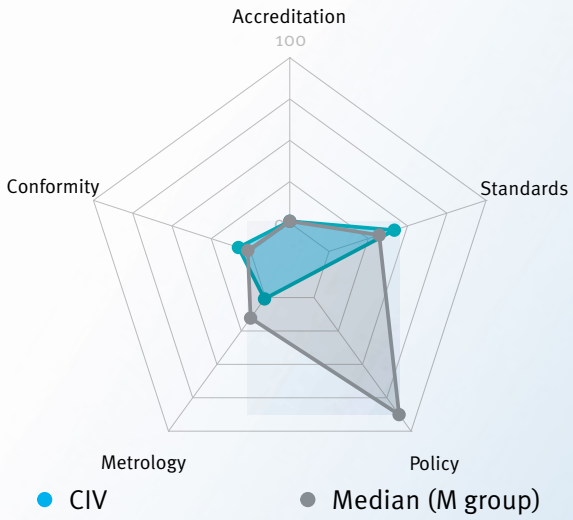
CÔTE D'IVOIRE

GDP GROUP RANK: 52/64 (M)
OVERALL RANK: 124/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Sub-Saharan Africa	Lower middle	61	2,326	26,378

QI4SD Index (M group)





P–Scores

Vertical lines represent in–group median scores. Ranks are within GDP group (M)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Adopted IEC standards	Standards	4	357	Number
Membership of ITU	Standards	31	6	Composite score
Membership of IQNet	Conformity	57	1	Composite score

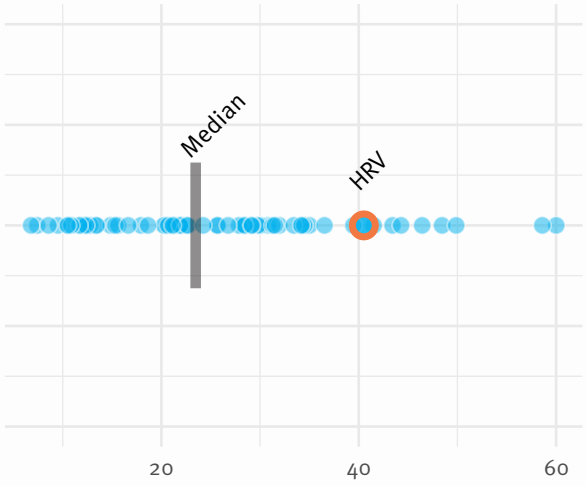
Weaknesses	Dimension	Rank	Value	Unit
Participation in ISO technical committees	Standards	78	99	Number
Number of recognised certificates (IQNet)	Conformity	112	4	Number
Number of recognised certificates (ISO)	Conformity	112	280	Number

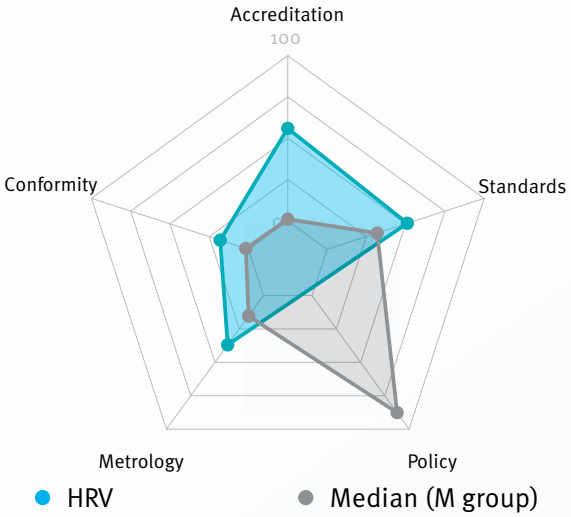
CROATIA

GDP GROUP RANK: 9/64 (M)
OVERALL RANK: 58/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Europe & Central Asia	High	56	13,828	4,047

QI4SD Index (M group)





P–Scores

Vertical lines represent in–group median scores. Ranks are within GDP group (M)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Membership of IQNet	Conformity	20	5	Composite score
Involvement in OIML project groups	Metrology	30	35	Composite score
Adopted ISO standards	Standards	14	14	Number

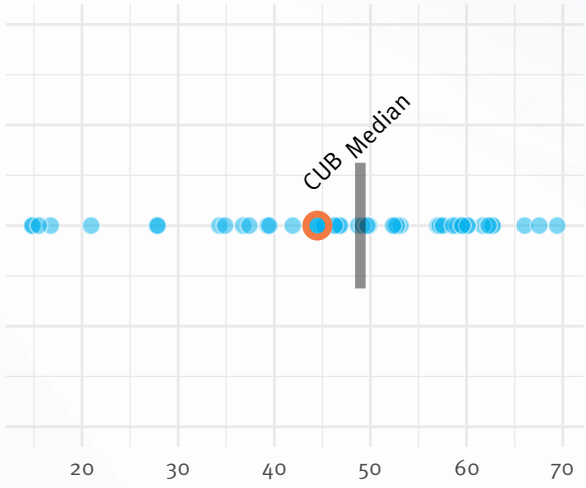
Weaknesses	Dimension	Rank	Value	Unit
Participation in ISO technical committees	Standards	56	204	Number
Participation in key and supplementary comparisons	Metrology	57	39	Number
Membership of ITU	Conformity	79	1	Composite score

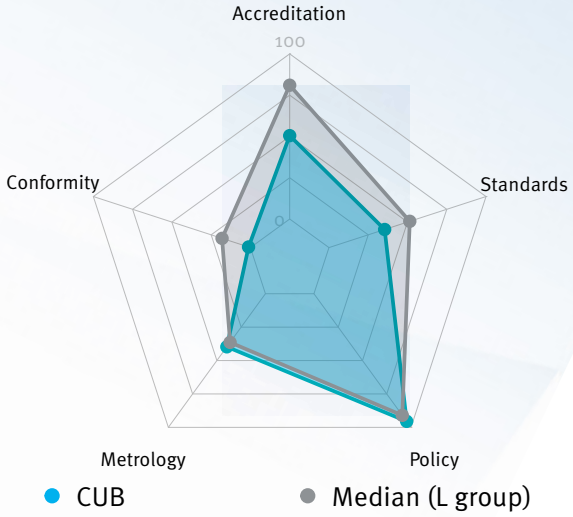
CUBA

GDP GROUP RANK: : 31/46 (L)
OVERALL RANK: : 52/137

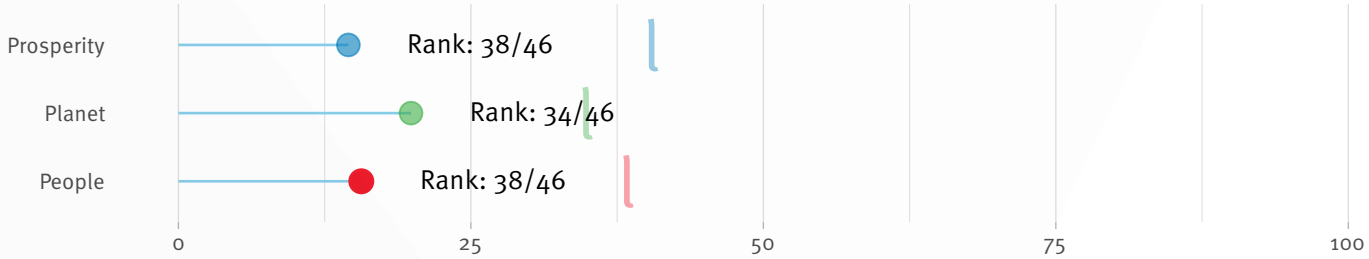
Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Latin America & Caribbean	Upper middle	103	9,100	11,327

QI4SD Index (L group)





P–Scores



Vertical lines represent in–group median scores. Ranks are within GDP group (L)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
OIML-CS - number of services recognised	Metrology	1	105	Number
Involvement in OIML project groups	Metrology	14	75	Composite score
Adopted IEC standards	Standards	33	54	Number

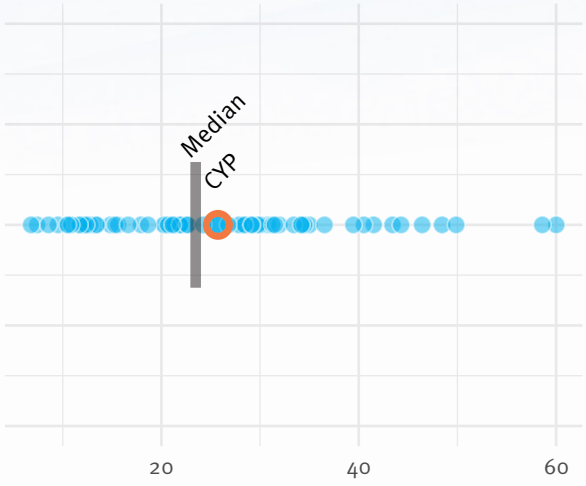
Weaknesses	Dimension	Rank	Value	Unit
Participation in key and supplementary comparisons	Metrology	63	29	Number
Participation in IEC technical committees	Standards	80	1	Number
Number of recognised certificates (ISO)	Conformity	102	437	Number

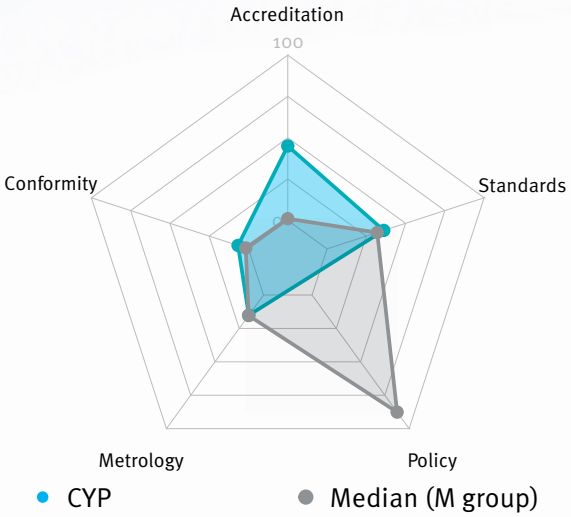
CYPRUS

GDP GROUP RANK: 30/64 (M)
OVERALL RANK: : 87/137

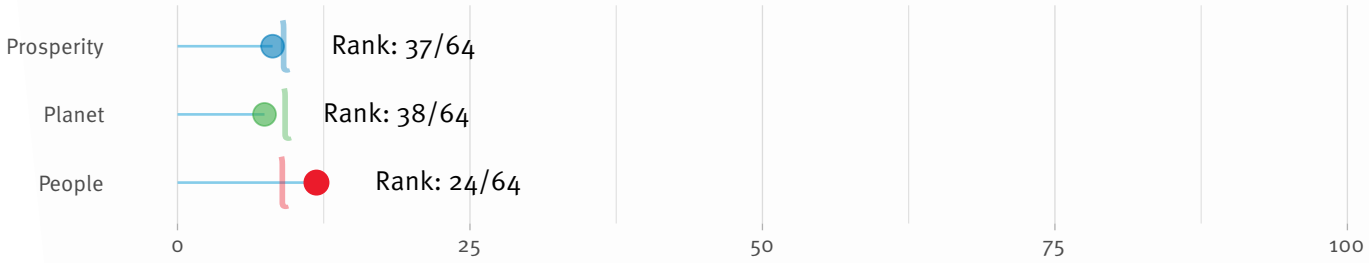
Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Europe & Central Asia	High	24	26,624	1,207

QI4SD Index (M group)





P–Scores



Vertical lines represent in–group median scores. Ranks are within GDP group (M)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Number of recognised certificates (IQNet)	Conformity	23	2,410	Number
Membership of IQNet	Conformity	31	3	Composite score
Number of recognised certificates (ISO)	Conformity	65	1,860	Number

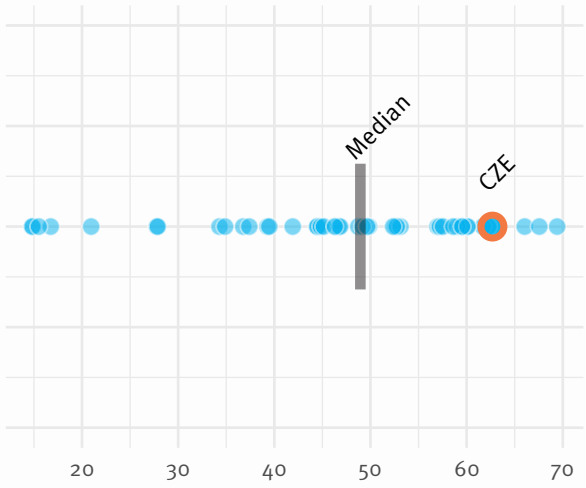
Weaknesses	Dimension	Rank	Value	Unit
Number of recognised certificates (ISO)	Conformity	65	1,860	Number
Participation in ISO technical committees	Standards	67	142	Number
Membership of ITU	Standards	77	2	Composite score

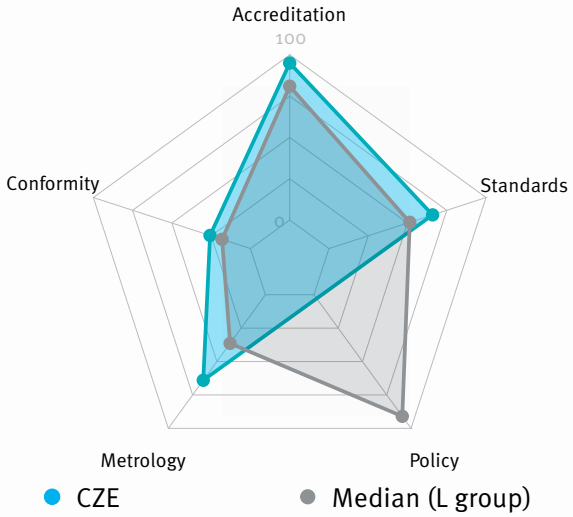
CZECHIA

GDP GROUP RANK: 5/46 (L)
OVERALL RANK: 15/137

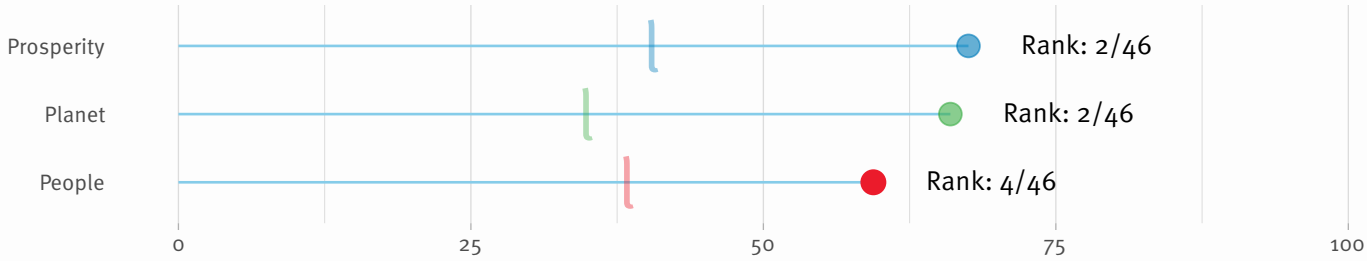
Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Europe & Central Asia	High	245	22,932	10,699

QI4SD Index (L group)





P–Scores



Vertical lines represent in–group median scores. Ranks are within GDP group (L)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Scopes of IAF accreditation bodies	Accreditation	5	12	Number
Breadth of CMCs	Metrology	11	33	Number of types
Number of recognised certificates (ISO)	Conformity	13	17,800	Number

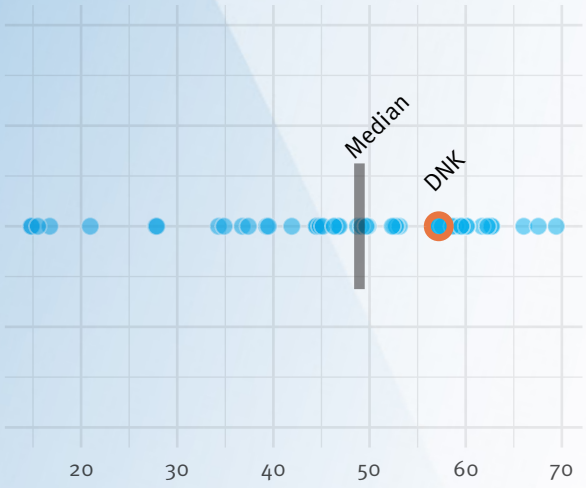
Weaknesses	Dimension	Rank	Value	Unit
Number of IECEE certificates recognised	Conformity	24	34	Number
Number of recognised certificates (IQNet)	Conformity	26	2,100	Number
Membership of IQNet	Conformity	31	3	Composite score

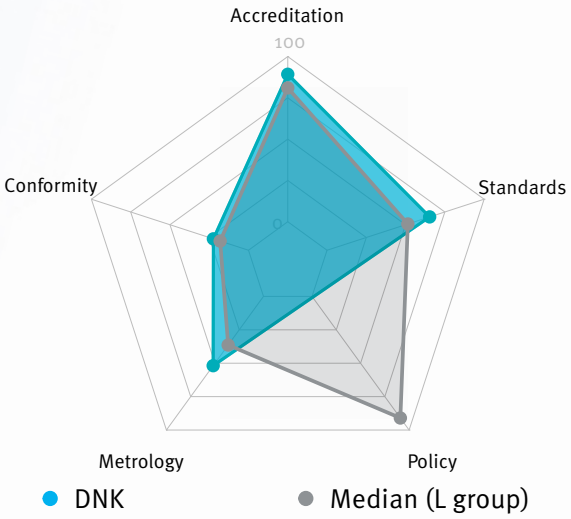
DENMARK

GDP GROUP RANK: 15/46 (L)
OVERALL RANK: 32/137

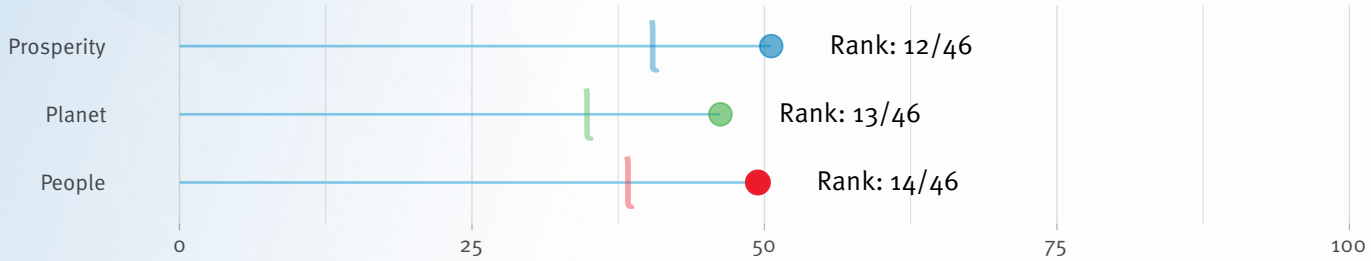
Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Europe & Central Asia	High	356	61,063	5,831

QI4SD Index (L group)





P–Scores



Vertical lines represent in–group median scores. Ranks are within GDP group (L)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Scopes of IAF accreditation bodies	Accreditation	15	11	Number
OIML-CS - number of services recognised	Metrology	16	23	Number
Participation in IEC technical committees	Standards	16	273	Number

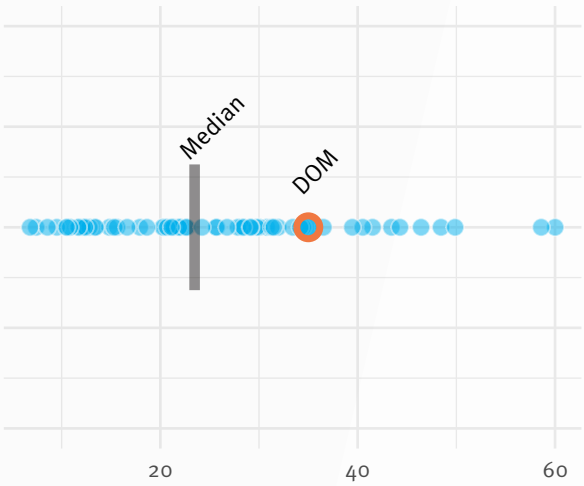
Weaknesses	Dimension	Rank	Value	Unit
Number of recognised certificates (IQNet)	Conformity	44	528	Number
Number of recognised certificates (ISO)	Conformity	54	3,570	Number
Membership of ITU	Standards	68	2	Composite score

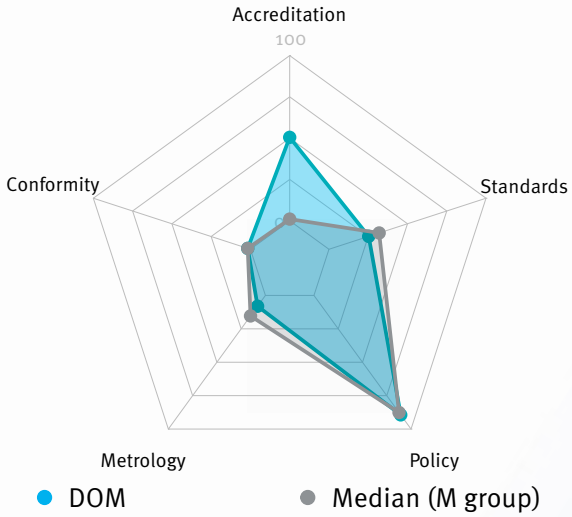
DOMINICAN REPUBLIC

GDP GROUP RANK: 12/64 (M)
OVERALL RANK: 65/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Latin America & Caribbean	Upper middle	79	7,268	10,848

QI4SD Index (M group)





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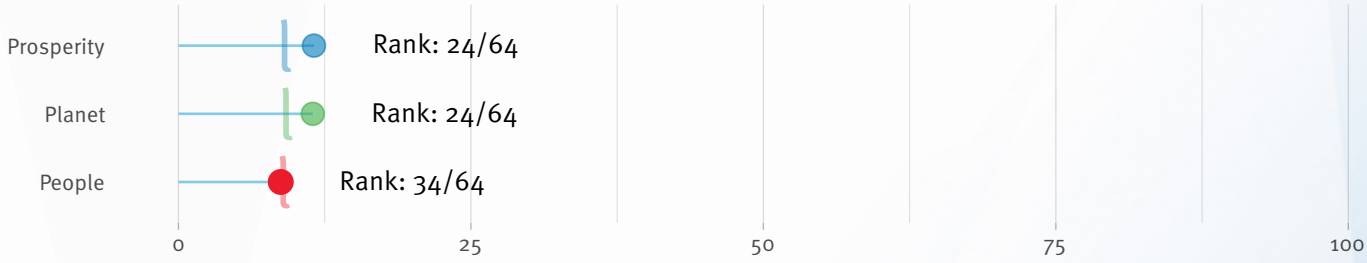


Vertical lines represent in–group median scores. Ranks are within GDP group (M)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Membership of ITU	Standards	41	4	Composite score
Adopted IEC standards	Standards	44	12	Number
Membership of IQNet	Conformity	57	1	Composite score

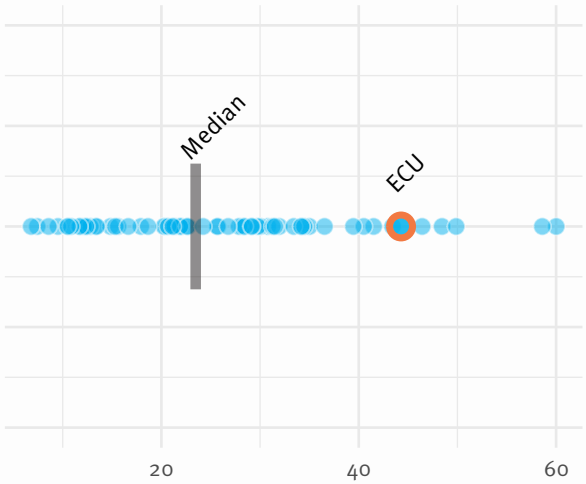
Weaknesses	Dimension	Rank	Value	Unit
Number of recognised certificates (IQNet)	Conformity	71	143	Number
Number of recognised certificates (ISO)	Conformity	111	286	Number
Participation in ISO technical committees	Standards	115	20	Number

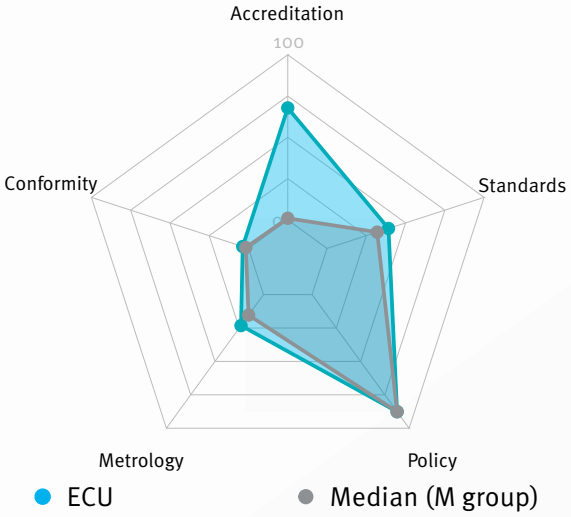
ECUADOR

GDP GROUP RANK: 6/64 (M)
OVERALL RANK: 54/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Latin America & Caribbean	Upper middle	99	5,600	17,643

QI4SD Index (M group)





P–Scores

Vertical lines represent in–group median scores. Ranks are within GDP group (M)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Adopted ISO standards	Standards	7	18	Number
Adopted IEC standards	Standards	12	246	Number
Membership of IQNet	Conformity	31	3	Composite score

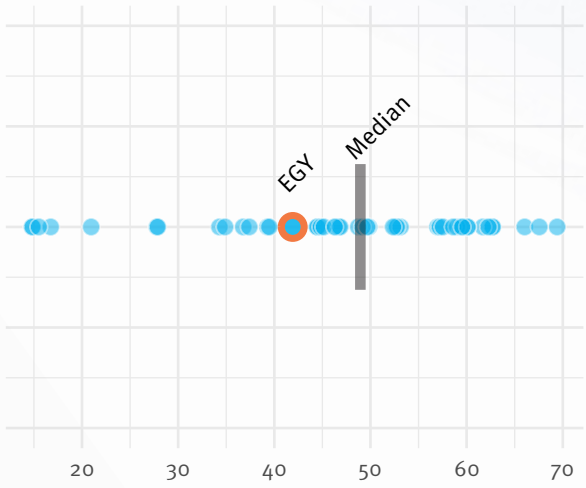
Weaknesses	Dimension	Rank	Value	Unit
Number of CMCs	Metrology	70	20	Number
Breadth of CMCs	Metrology	73	1	Number of types
Participation in ISO technical committees	Standards	79	92	Number

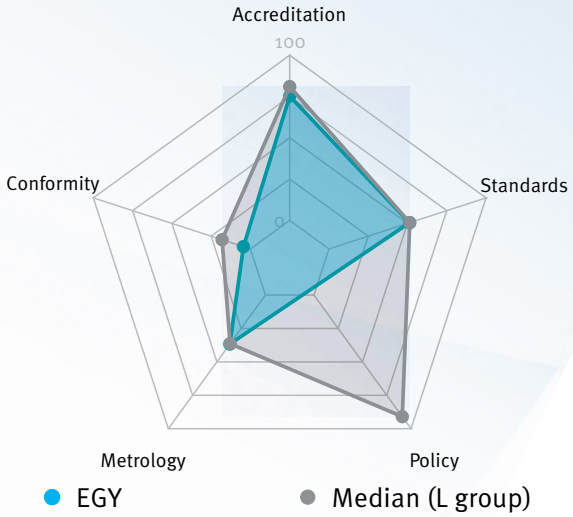
EGYPT

GDP GROUP RANK: 33/46 (L)
OVERALL RANK: 56/137

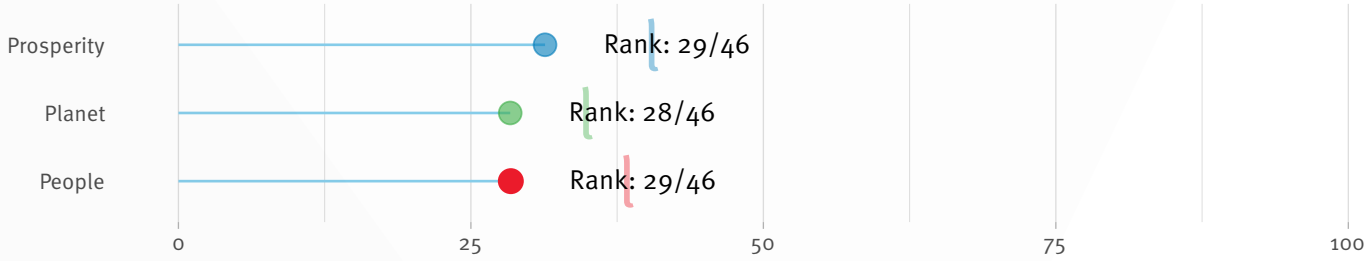
Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Middle East & North Africa	Lower middle	363	3,548	102,334

QI4SD Index (L group)





P–Scores



Vertical lines represent in–group median scores. Ranks are within GDP group (L)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Participation in BIPM Consultative Committees	Metrology	33	3	Number
Membership of ITU	Standards	33	6	Composite score
Participation in IEC technical committees	Standards	37	129	Number

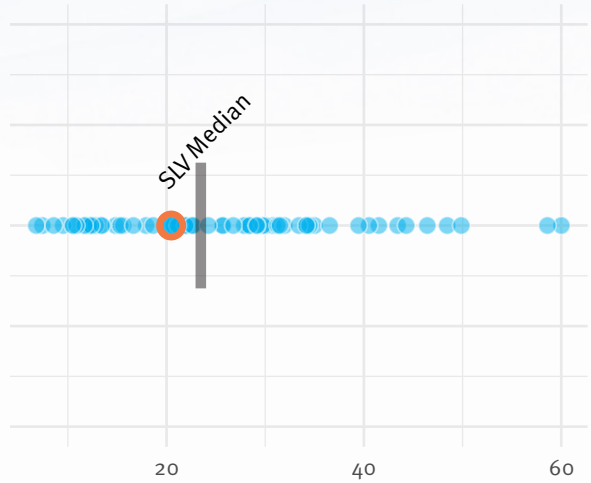
Weaknesses	Dimension	Rank	Value	Unit
Number of recognised certificates (ISO)	Conformity	53	3,580	Number
Involvement in OIML project groups	Metrology	61	51	Composite score
Adopted ISO standards	Standards	69	7	Number

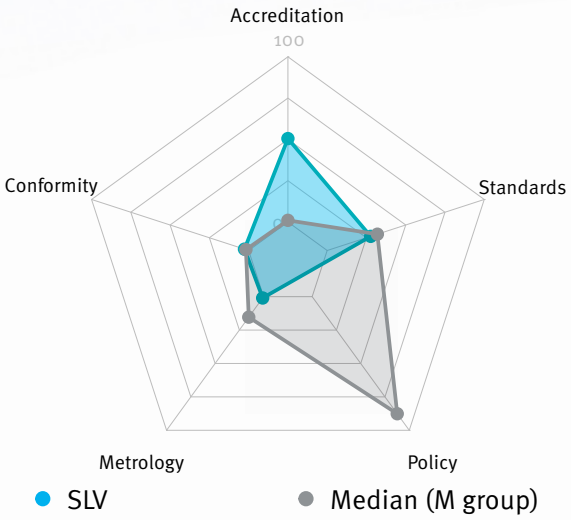
EL SALVADOR

GDP GROUP RANK: 42/64 (M)
OVERALL RANK: 104/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Latin America & Caribbean	Lower middle	25	3,799	6,486

QI4SD Index (M group)





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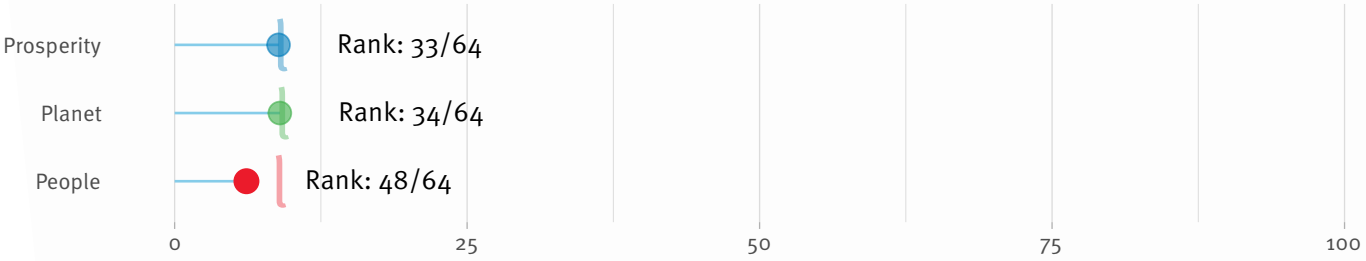


Vertical lines represent in–group median scores. Ranks are within GDP group (M)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Membership of IQNet	Conformity	31	3	Composite score
Number of recognised certificates (IQNet)	Conformity	56	301	Number
Participation in ISO technical committees	Standards	109	23	Number

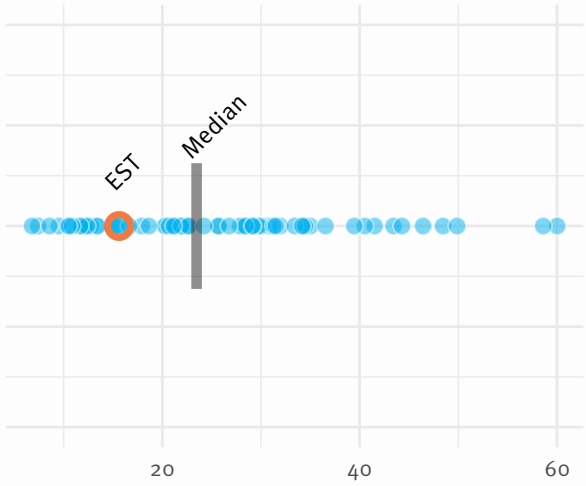
Weaknesses	Dimension	Rank	Value	Unit
Number of recognised certificates (IQNet)	Conformity	56	301	Number
Membership of ITU	Standards	109	23	Number
Number of recognised certificates (ISO)	Conformity	121	176	Number

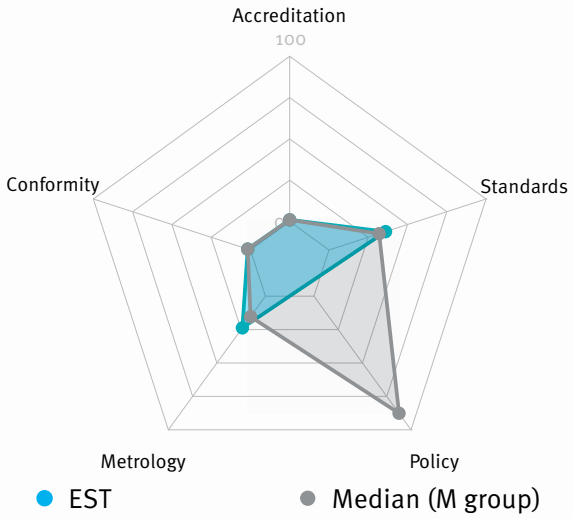
ESTONIA

GDP GROUP RANK: 47/64 (M)
OVERALL RANK: 115/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Europe & Central Asia	High	31	23,027	1,331

QI4SD Index (M group)





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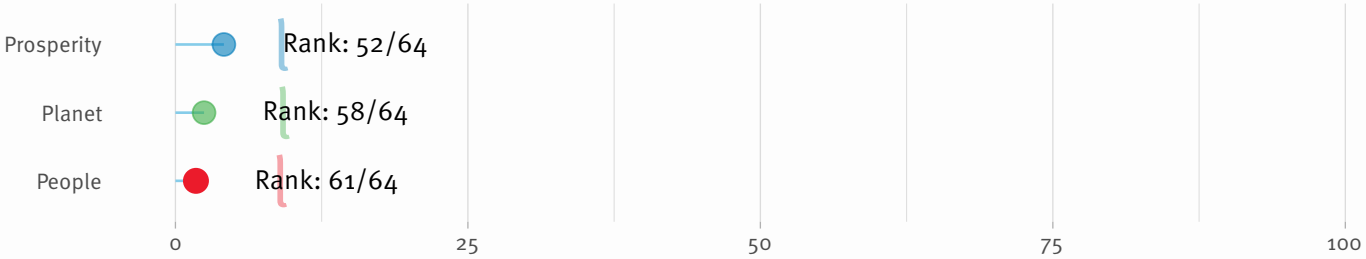


Vertical lines represent in–group median scores. Ranks are within GDP group (M)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Breadth of CMCs	Metrology	58	5	Number of types
Number of CMCs	Metrology	60	34	Composite score
Participation in IEC technical committees	Standards	63	6	Number

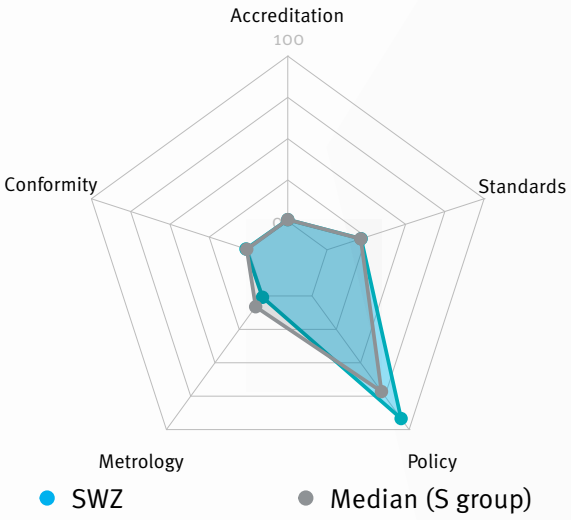
Weaknesses	Dimension	Rank	Value	Unit
Number of recognised certificates (ISO)	Conformity	72	1,510	Number
Number of recognised certificates (IQNet)	Conformity	87	47	Number
Membership of ITU	Standards	99	0	Composite score

ESWATINI

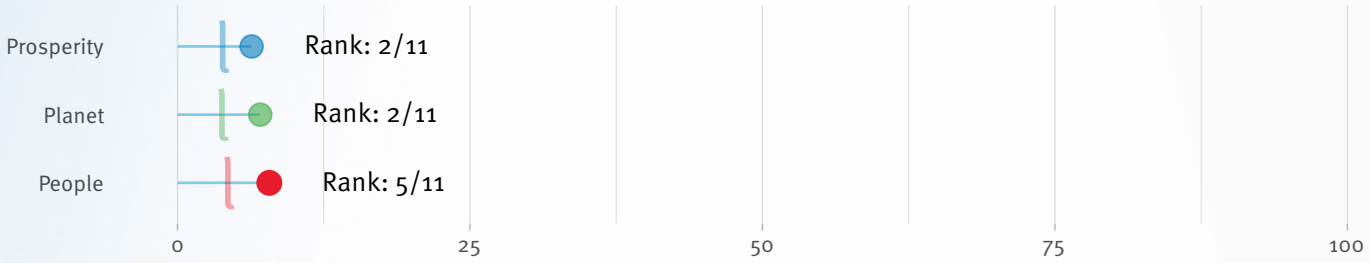
GDP GROUP RANK: 3/11 (S)
OVERALL RANK: : 92/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Sub-Saharan Africa	Lower middle	4	3,415	1,160

QI4SD Index (S group)



P–Scores



Vertical lines represent in–group median scores. Ranks are within GDP group (S)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Adopted ISO standards	Standards	36	13	Number
Adopted IEC standards	Standards	43	15	Number
Number of recognised certificates (ISO)	Conformity	73	1,350	Number

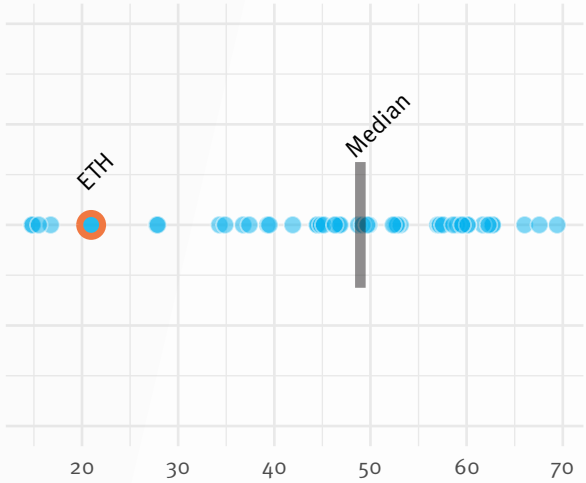
Weaknesses	Dimension	Rank	Value	Unit
Number of recognised certificates (ISO)	Conformity	73	1,350	Number
Number of recognised certificates (IQNet)	Conformity	105	12	Number
Participation in ISO technical committees	Standards	117	19	Number

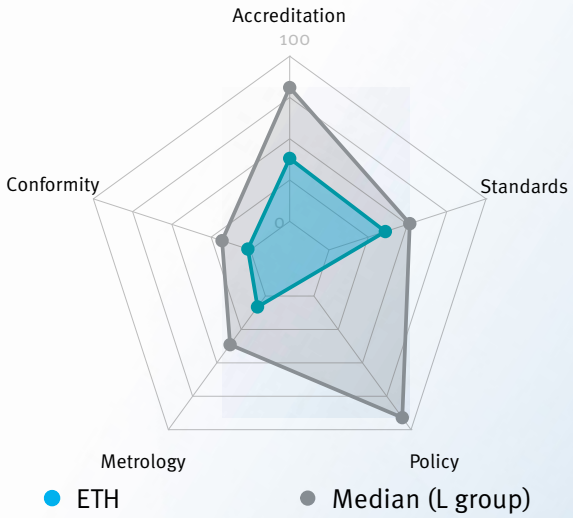
ETHIOPIA

GDP GROUP RANK: 42/46 (L)
OVERALL RANK: 102/137

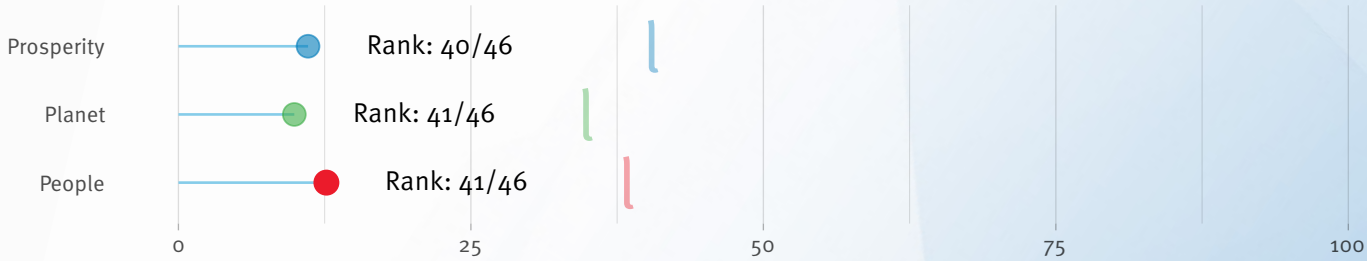
Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Sub-Saharan Africa	Low	108	936	114,964

QI4SD Index (L group)





P–Scores



Vertical lines represent in–group median scores. Ranks are within GDP group (L)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Adopted IEC standards	Standards	15	190	Number
Membership of IQNet	Conformity	57	1	Composite score
Participation in ISO technical committees	Standards	66	147	Number

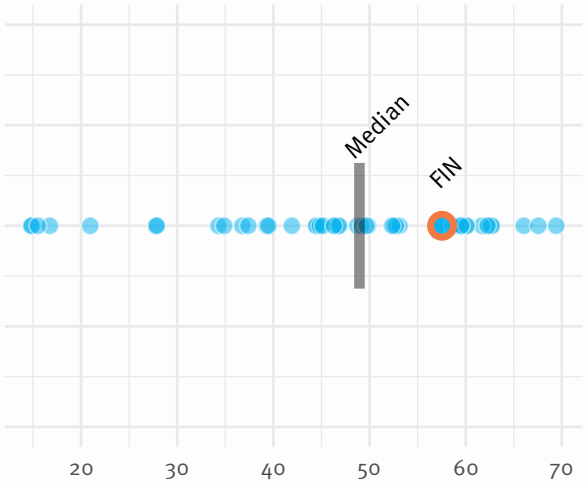
Weaknesses	Dimension	Rank	Value	Unit
Number of recognised certificates (IQNet)	Conformity	77	88	Number
Participation in key and supplementary comparisons	Metrology	92	3	Number
Number of recognised certificates (ISO)	Conformity	110	291	Number

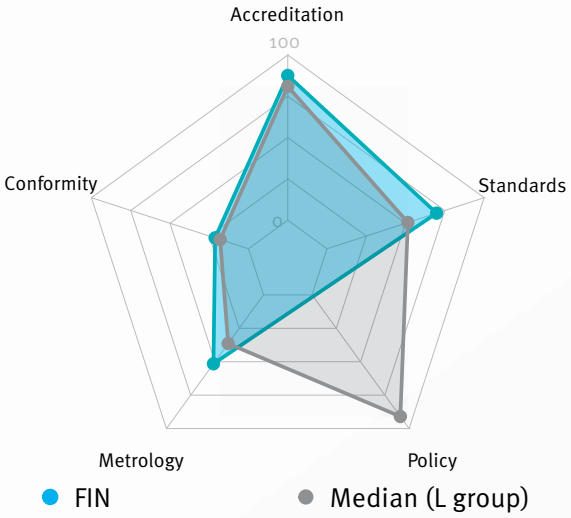
FINLAND

GDP GROUP RANK: 14/46 (L)
OVERALL RANK: : 31/137

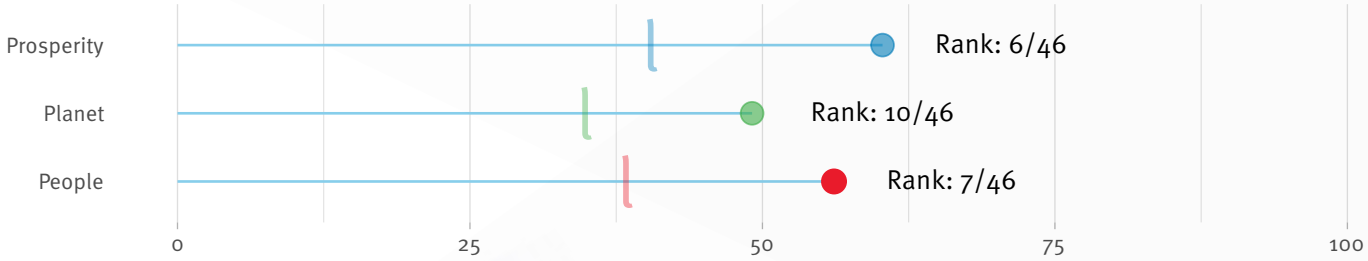
Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Europe & Central Asia	High	270	48,773	5,531

QI4SD Index (L group)





P–Scores



Vertical lines represent in–group median scores. Ranks are within GDP group (L)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Participation in IEC technical committees	Standards	13	283	Number
Number of IECEE certificates recognised	Conformity	16	188	Number
Participation in ISO technical committees	Standards	17	945	Number

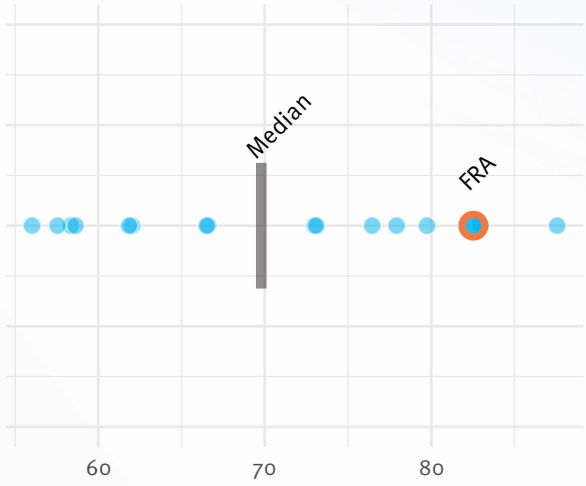
Weaknesses	Dimension	Rank	Value	Unit
Membership of IQNet	Conformity	31	3	Composite score
Number of recognised certificates (ISO)	Conformity	40	5,510	Number
Membership of ITU	Standards	68	2	Composite score

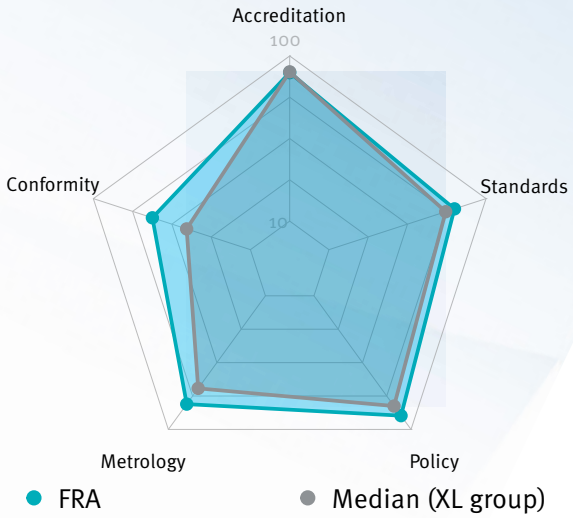
FRANCE

GDP GROUP RANK: 3/16 (XL)
OVERALL RANK: 3/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Europe & Central Asia	High	2,630	39,030	67,392

QI4SD Index (XL group)





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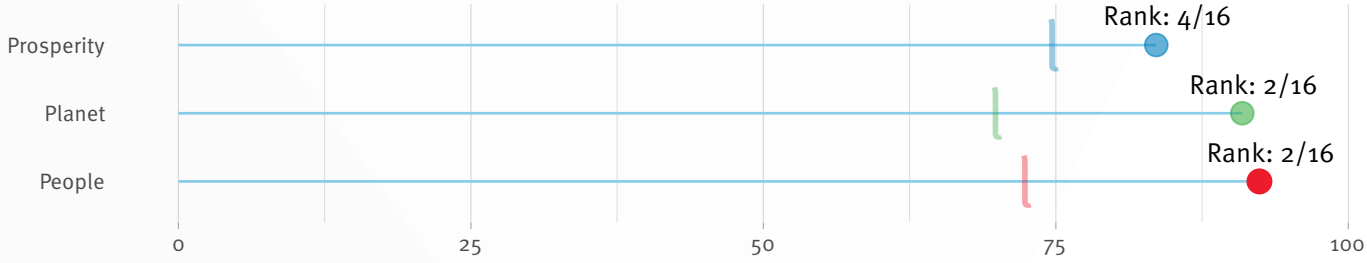


Vertical lines represent in–group median scores. Ranks are within GDP group (XL)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Participation in BIPM Consultative Committees	Metrology	1	20	Number
Membership of IQNet	Conformity	2	41	Composite score
Breadth of CMCs	Metrology	4	39	Number of types

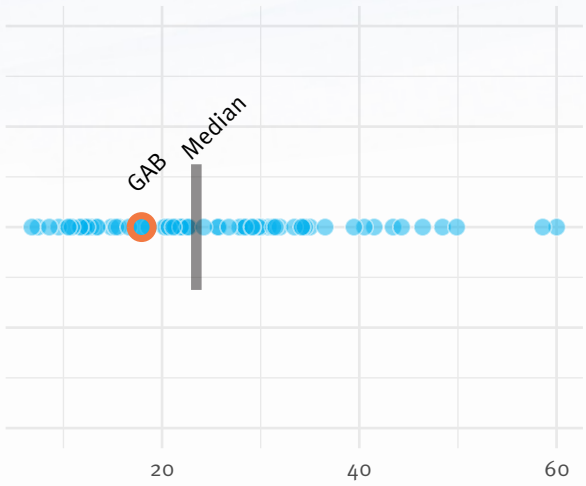
Weaknesses	Dimension	Rank	Value	Unit
Scopes of IAF accreditation bodies	Accreditation	14	12	Number
OIML-CS - number of services recognised	Metrology	17	21	Number
Number of IECEE certificates recognised	Conformity	20	85	Number

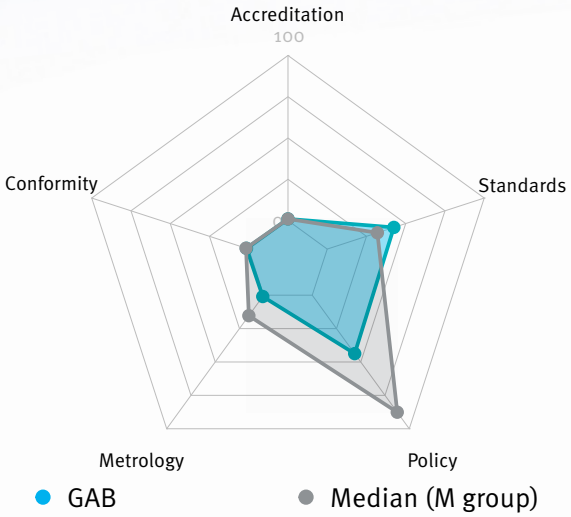
GABON

GDP GROUP RANK: 45/64 (M)
OVERALL RANK: 109/137

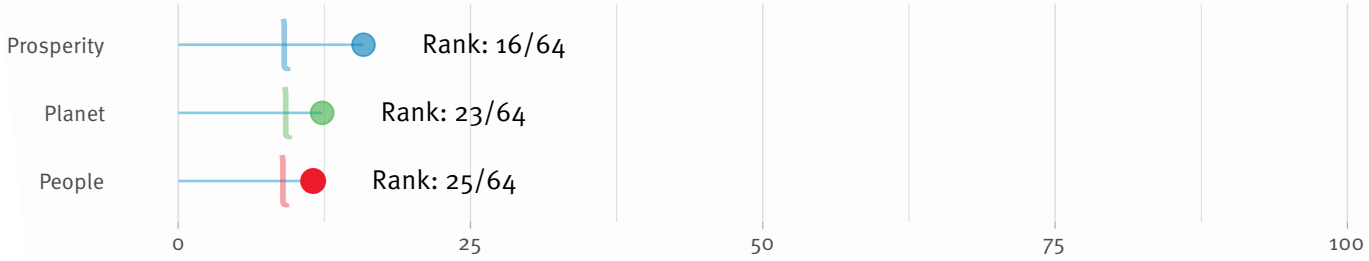
Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Sub-Saharan Africa	Upper middle	16	7,006	2,226

QI4SD Index (M group)





P–Scores



Vertical lines represent in–group median scores. Ranks are within GDP group (M)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Adopted ISO standards	Standards	3	21	Number
Adopted IEC standards	Standards	5	342	Number
Membership of IQNet	Conformity	57	1	Composite score

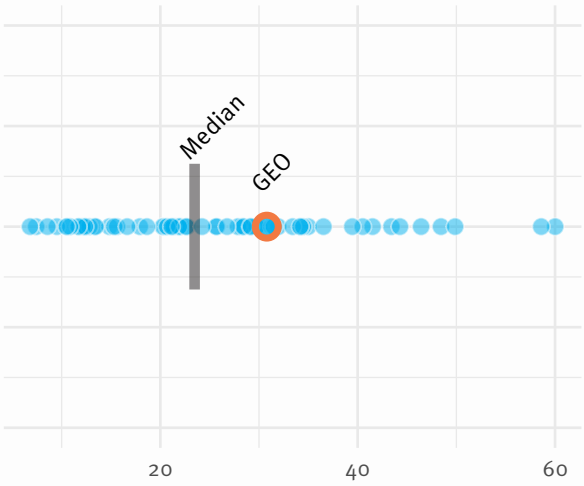
Weaknesses	Dimension	Rank	Value	Unit
Participation in ISO technical committees	Standards	113	21	Number
Number of recognised certificates (ISO)	Conformity	123	132	Number
Number of recognised certificates (IQNet)	Conformity	124	1	Number

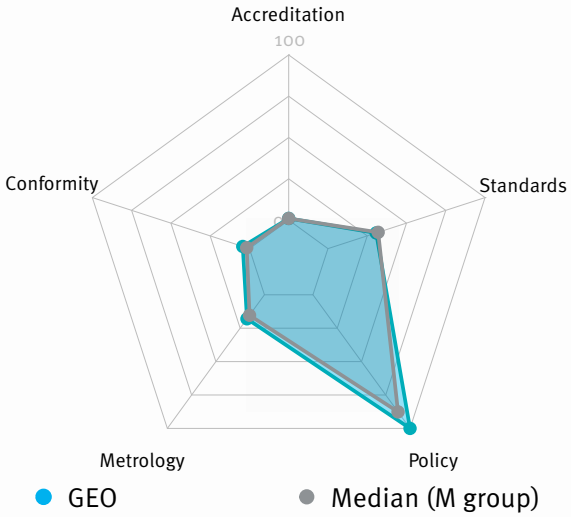
GEORGIA

GDP GROUP RANK: 20/64 (M)
OVERALL RANK: 75/137

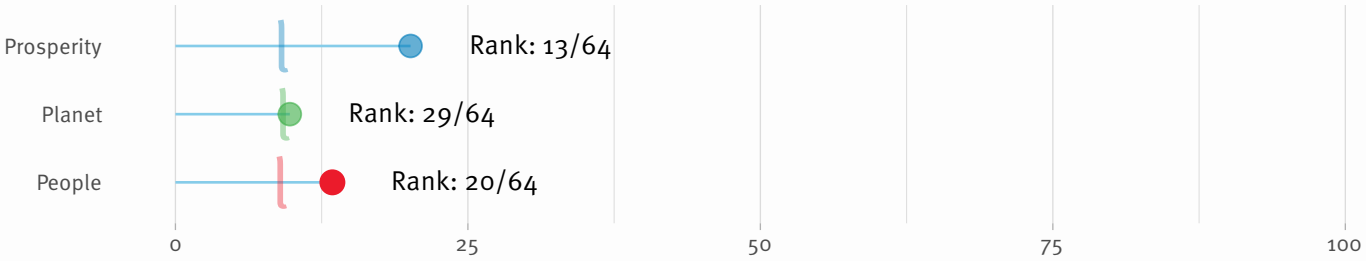
Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Europe & Central Asia	Upper middle	16	4,279	3,714

QI4SD Index (M group)





P–Scores



Vertical lines represent in–group median scores. Ranks are within GDP group (M)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Number of recognised certificates (ISO)	Conformity	36	6,970	Number
Adopted ISO standards	Standards	37	13	Number
Breadth of CMCs	Metrology	49	11	Number of types

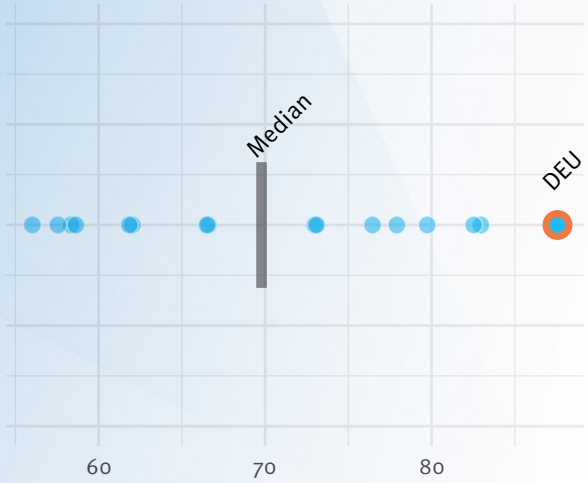
Weaknesses	Dimension	Rank	Value	Unit
Membership of ITU	Standards	68	2	Composite score
Number of recognised certificates (IQNet)	Conformity	75	114	Number
Participation in ISO technical committees	Standards	127	7	Number

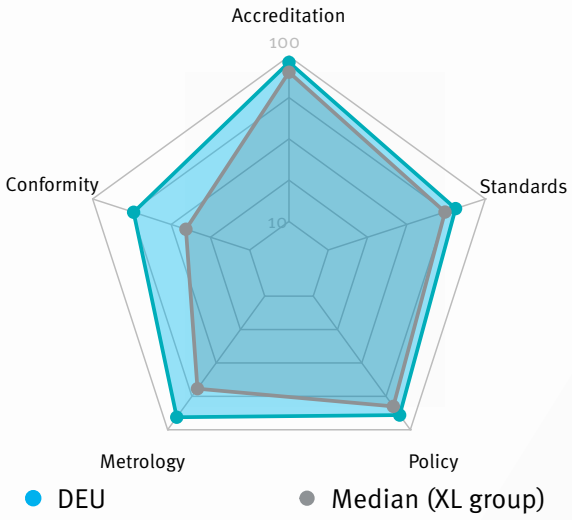
GERMANY

GDP GROUP RANK: 1/16 (XL)
OVERALL RANK: 1/137

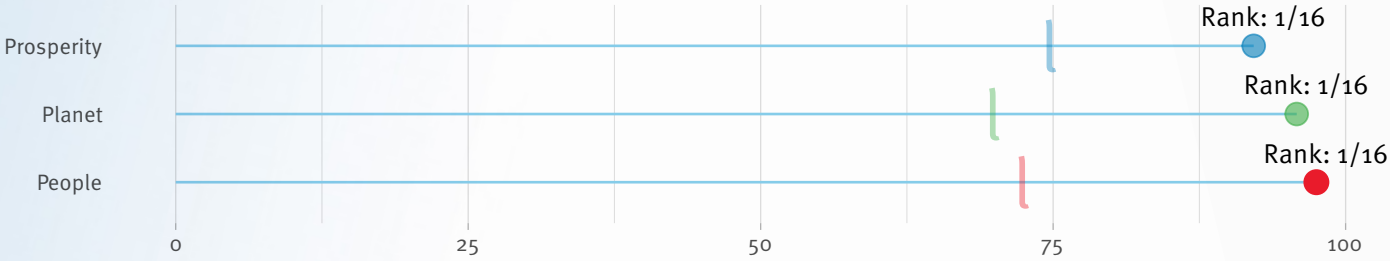
Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Europe & Central Asia	High	3,846	46,208	83,241

QI4SD Index (XL group)





P–Scores



Vertical lines represent in–group median scores. Ranks are within GDP group (XL)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Membership of IQNet	Conformity	1	66	Composite score
Participation in BIPM Consultative Committees	Metrology	1	20	Number
Participation in key and supplementary comparisons	Metrology	1	974	Number

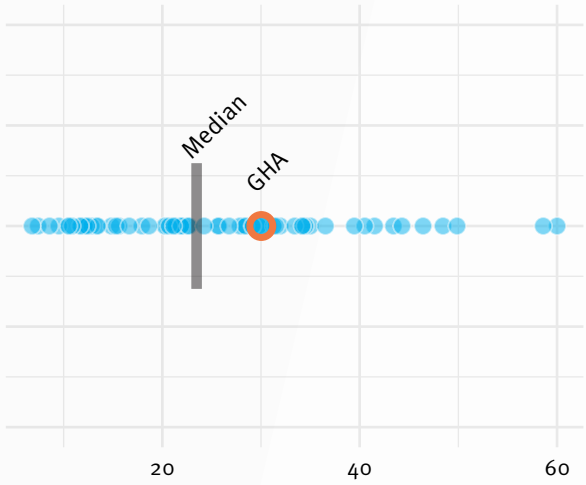
Weaknesses	Dimension	Rank	Value	Unit
OIML-CS - number of services recognised	Metrology	8	56	Number
Number of IECEE certificates recognised	Conformity	14	365	Number
Adopted ISO standards	Standards	17	16	Number

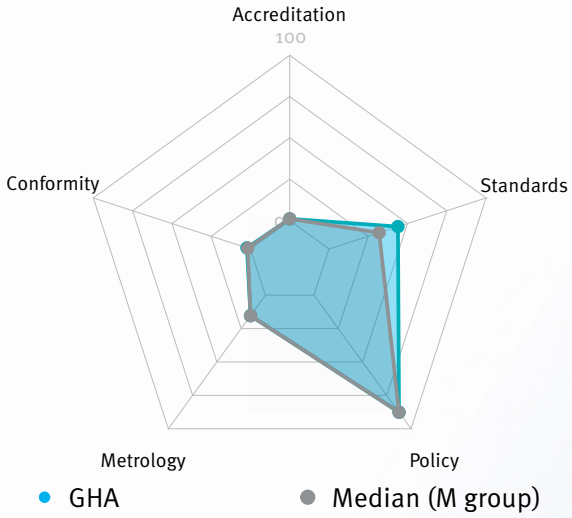
GHANA

GDP GROUP RANK: 21/64 (M)
OVERALL RANK: 76/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Sub-Saharan Africa	Lower middle	72	2,329	31,073

QI4SD Index (M group)





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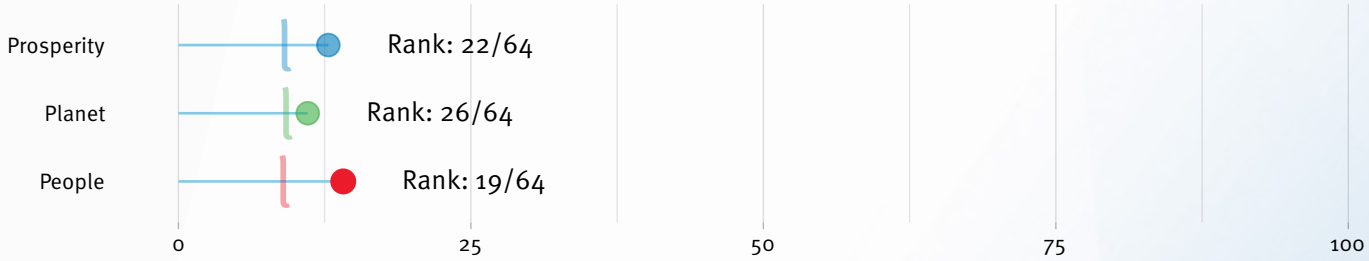


Vertical lines represent in–group median scores. Ranks are within GDP group (M)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Adopted ISO standards	Standards	2	470	Number
Membership of ITU	Standards	36	5	Composite score
Adopted ISO standards	Standards	55	9	Number

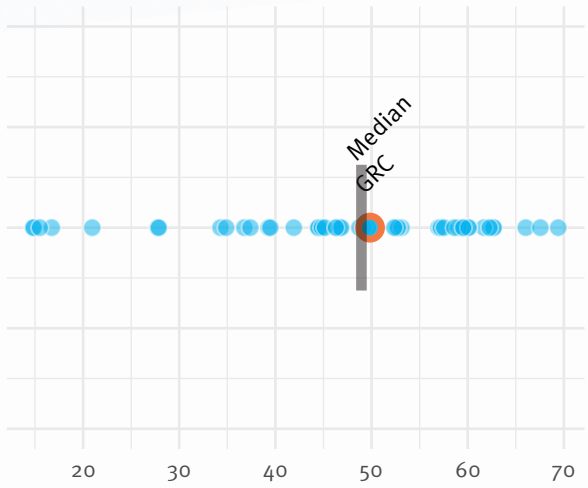
Weaknesses	Dimension	Rank	Value	Unit
Participation in key and supplementary comparisons	Metrology	80	9	Number
Participation in ISO technical committees	Standards	87	72	Number
Number of recognised certificates (IQNet)	Conformity	101	16	Number

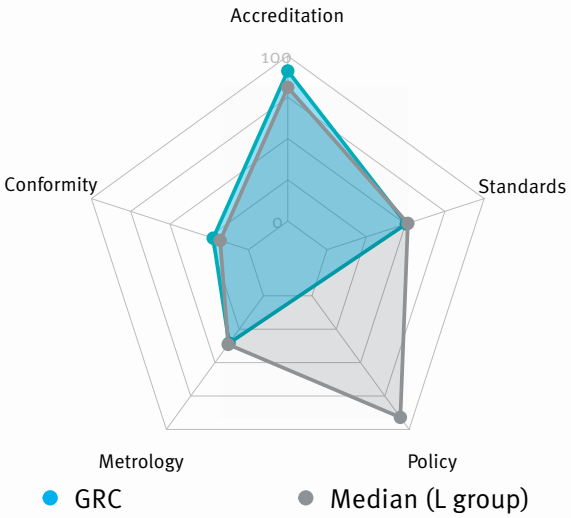
GREECE

GDP GROUP RANK: 21/46 (L)
OVERALL RANK: 40/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Europe & Central Asia	High	189	17,676	10,716

QI4SD Index (L group)





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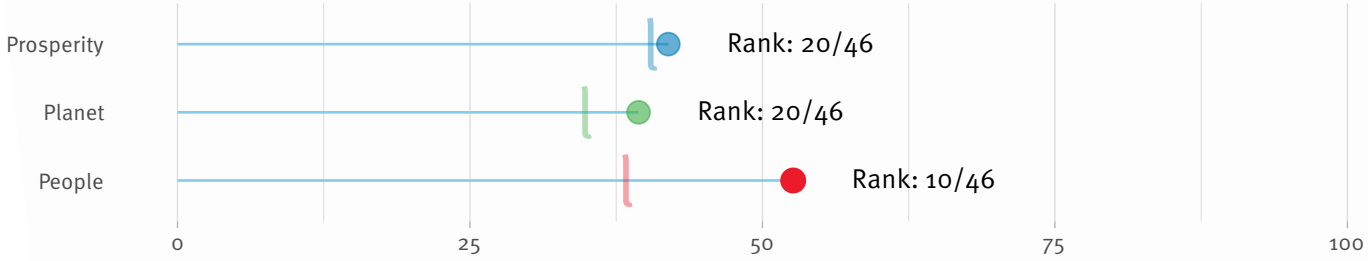


Vertical lines represent in–group median scores. Ranks are within GDP group (L)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Scopes of IAF accreditation bodies	Accreditation	5	12	Number
Membership of IQNet	Conformity	20	5	Composite score
Number of recognised certificates (IQNet)	Conformity	24	2,380	Number

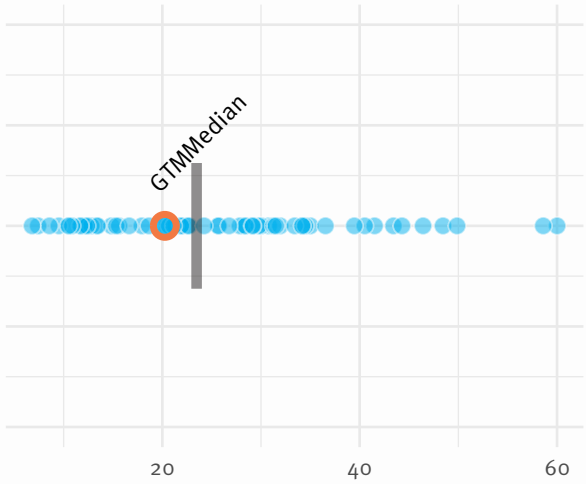
Weaknesses	Dimension	Rank	Value	Unit
Participation in ISO technical committees	Standards	47	273	Number
Involvement in OIML project groups	Metrology	58	2	Composite score
Membership of ITU	Standards	99	0	Composite score

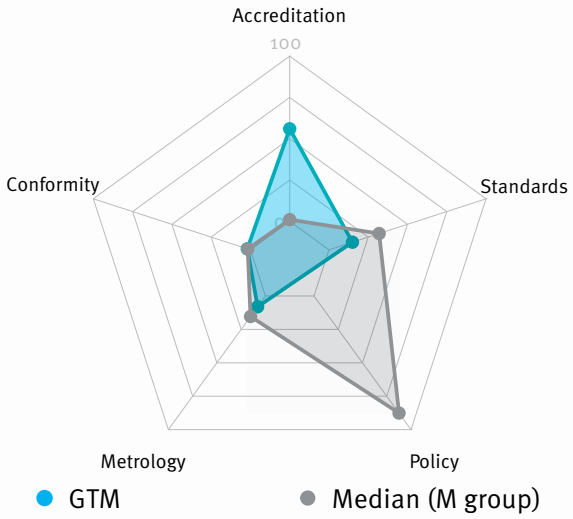
GUATEMALA

GDP GROUP RANK: 43/64 (M)
OVERALL RANK: 105/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Latin America & Caribbean	Upper middle	78	4,603	16,858

QI4SD Index (M group)





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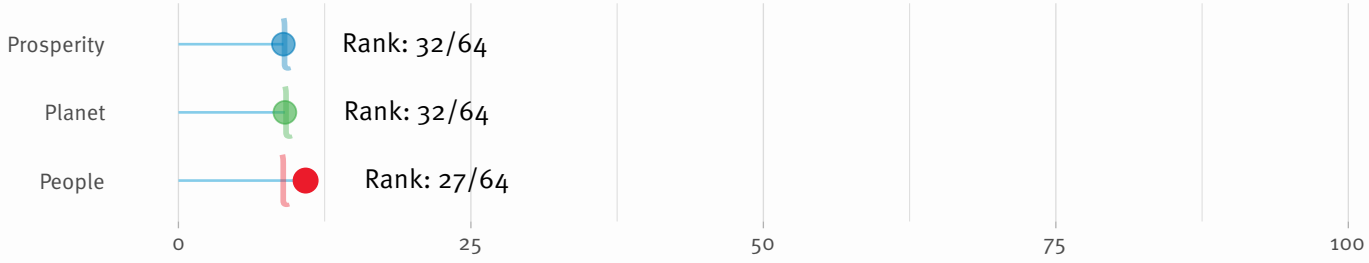


Vertical lines represent in–group median scores. Ranks are within GDP group (M)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Adopted IEC standards	Standards	48	1	Number
Number of recognised certificates (IQNet)	Conformity	55	331	Number
Membership of IQNet	Conformity	57	1	Composite score

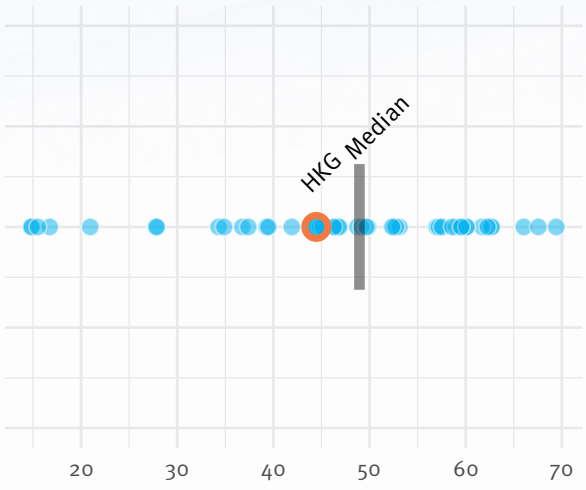
Weaknesses	Dimension	Rank	Value	Unit
Membership of ITU	Standards	79	1	Composite score
Number of recognised certificates (ISO)	Conformity	116	252	Number
Participation in ISO technical committees	Standards	132	5	Number

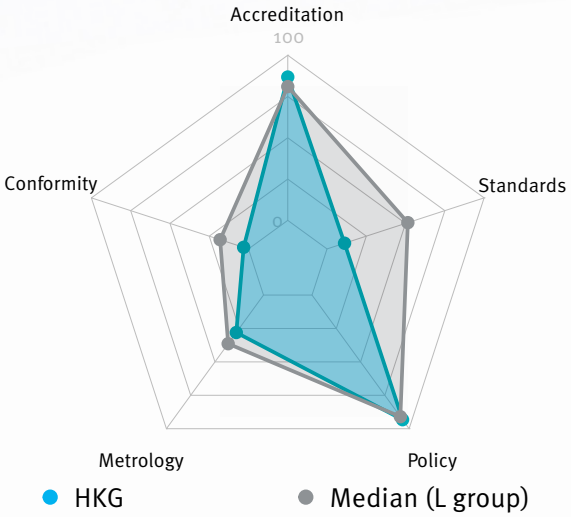
HONG KONG

GDP GROUP RANK: 32/46 (L)
OVERALL RANK: 53/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
East Asia & Pacific	High	347	46,324	7,482

QI4SD Index (L group)





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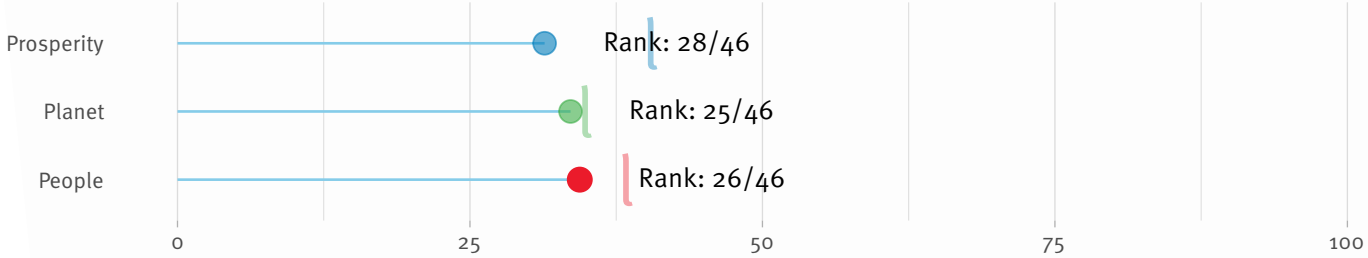


Vertical lines represent in–group median scores. Ranks are within GDP group (L)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Breadth of CMCs	Metrology	14	30	Number of types
Number of CMCs	Metrology	29	298	Number
Participation in BIPM Consultative Committees	Metrology	30	4	Number

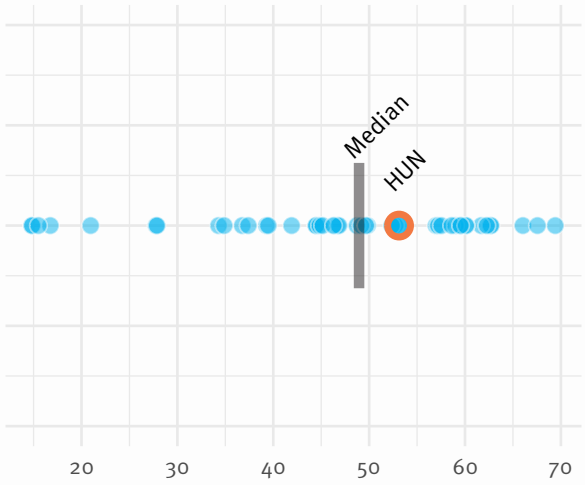
Weaknesses	Dimension	Rank	Value	Unit
Membership of IQNet	Conformity	57	1	Composite score
Participation in ISO technical committees	Standards	61	170	Number
Number of recognised certificates (IQNet)	Conformity	95	26	Number

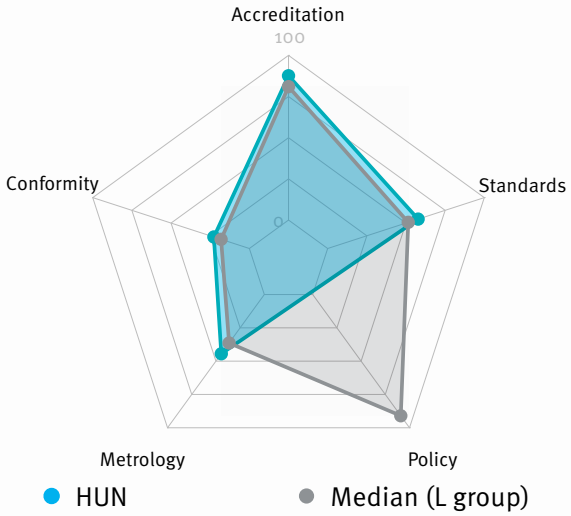
HUNGARY

GDP GROUP RANK: 17/46 (L)
OVERALL RANK: 35/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Europe & Central Asia	High	155	15,899	9,750

QI4SD Index (L group)





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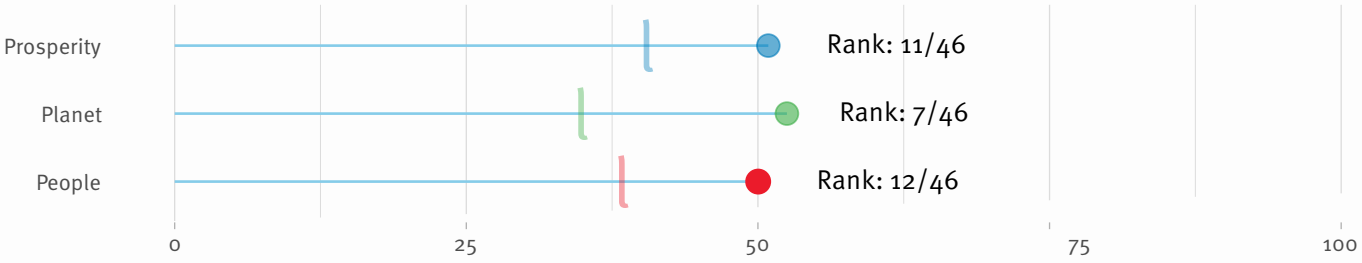


Vertical lines represent in–group median scores. Ranks are within GDP group (L)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Number of recognised certificates (ISO)	Conformity	15	14,600	Number
Number of CMCs	Metrology	21	411	Number
Scopes of IAF accreditation bodies	Accreditation	22	10	Number

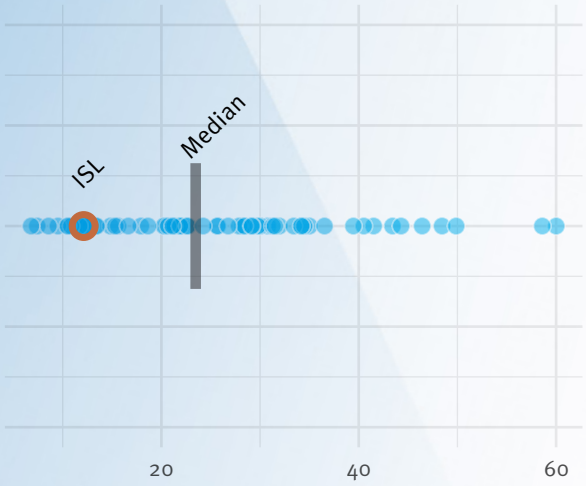
Weaknesses	Dimension	Rank	Value	Unit
Participation in BIPM Consultative Committees	Metrology	36	2	Number
Adopted ISO standards	Standards	48	11	Number
Membership of ITU	Standards	66	2	Composite score

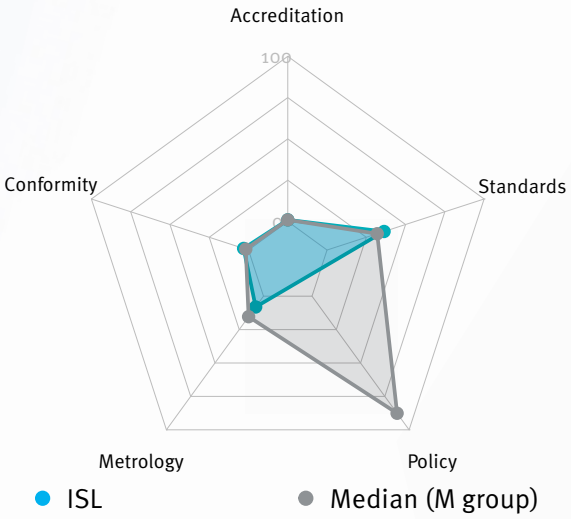
ICELAND

GDP GROUP RANK: 55/64 (M)
OVERALL RANK: 127/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Europe & Central Asia	High	22	59,270	366

QI4SD Index (M group)





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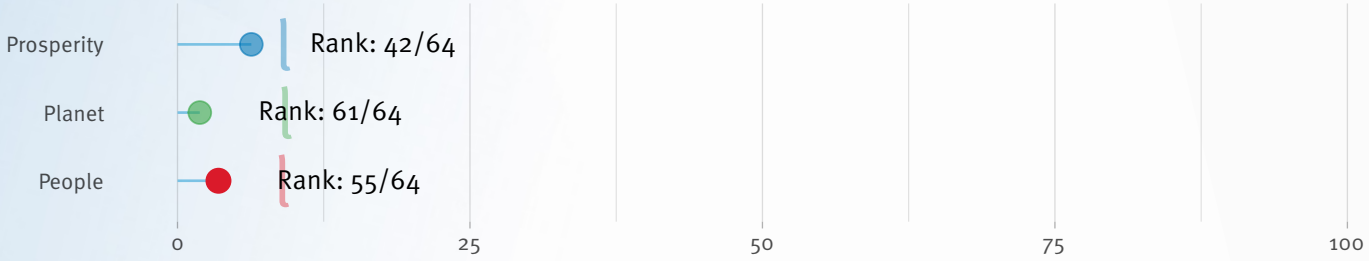


Vertical lines represent in–group median scores. Ranks are within GDP group (M)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Number of recognised certificates (ISO)	Conformity	46	4,620	Number
Participation in ISO technical committees	Standards	65	150	Number
Participation in IEC technical committees	Standards	71	4	Number

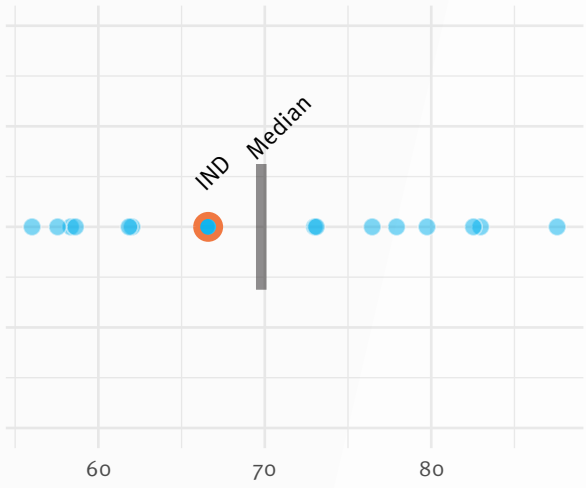
Weaknesses	Dimension	Rank	Value	Unit
Participation in IEC technical committees	Conformity	71	4	Number
Number of recognised certificates (IQNet)	Conformity	88	45	Number
Membership of ITU	Conformity	99	0	Composite score

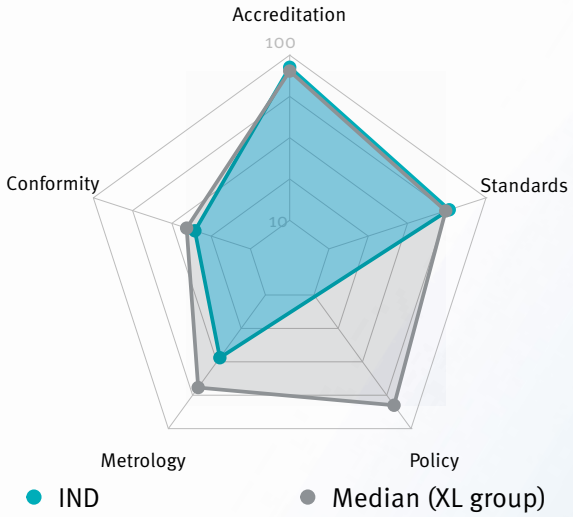
INDIA

GDP GROUP RANK: 9/16 (XL)
OVERALL RANK: 11/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
South Asia	Lower middle	2,623	1,901	1,380,004

QI4SD Index (XL group)





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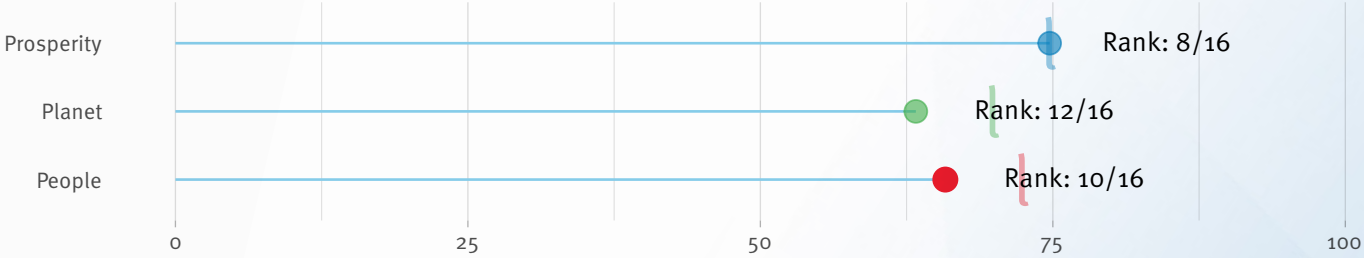


Vertical lines represent in–group median scores. Ranks are within GDP group (XL)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Adopted ISO standards	Standards	1	22	Number
Number of recognised certificates (ISO)	Conformity	6	43,700	Number
Membership of ITU	Standards	7	26	Composite score

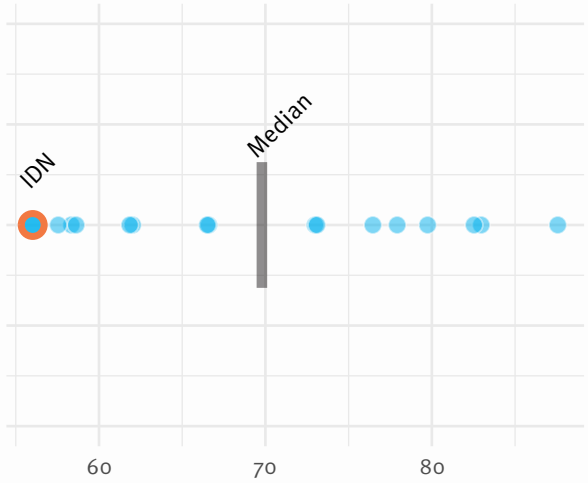
Weaknesses	Dimension	Rank	Value	Unit
Involvement in OIML project groups	Metrology	28	41	Composite score
Number of CMCs	Metrology	33	236	Number
Breadth of CMCs	Metrology	34	22	Number of types

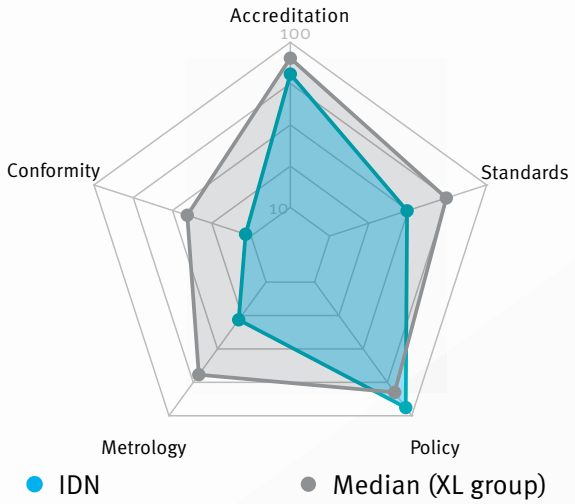
INDONESIA

GDP GROUP RANK: 16/16 (XL)
OVERALL RANK: 34/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
East Asia & Pacific	Lower middle	1,058	3,870	273,524

QI4SD Index (XL group)





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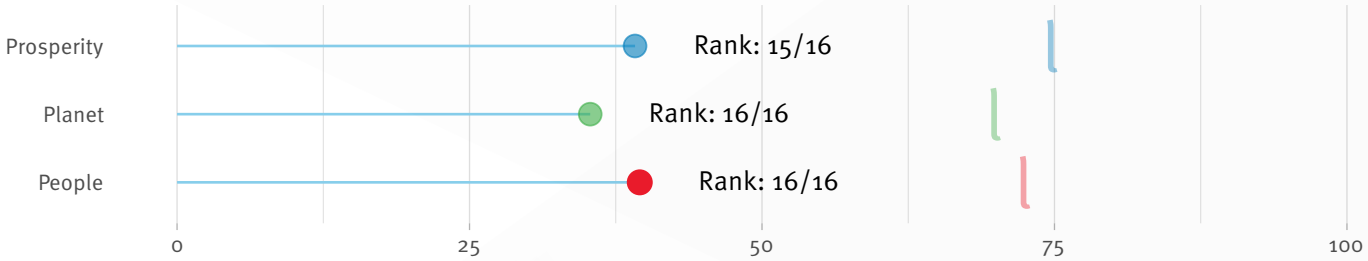


Vertical lines represent in–group median scores. Ranks are within GDP group (XL)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Adopted ISO standards	Standards	17	16	Number of types
Membership of IQNet	Conformity	25	4	Number
Number of recognised certificates (ISO)	Conformity	29	8,810	Number

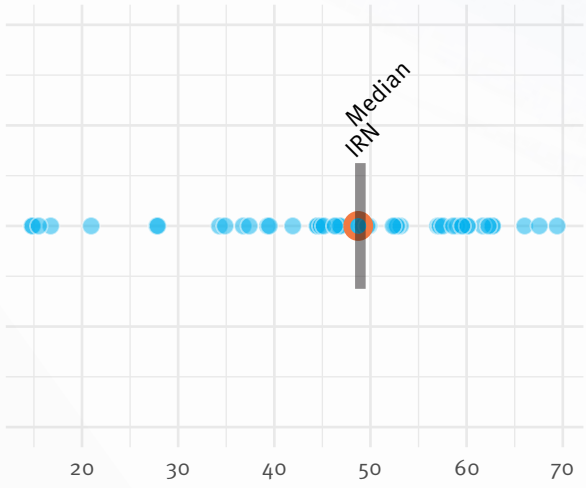
Weaknesses	Dimension	Rank	Value	Unit
Participation in IEC technical committees	Standards	48	78	Number
Number of recognised certificates (IQNet)	Conformity	52	367	Number
Membership of ITU	Standards	53	3	Composite score

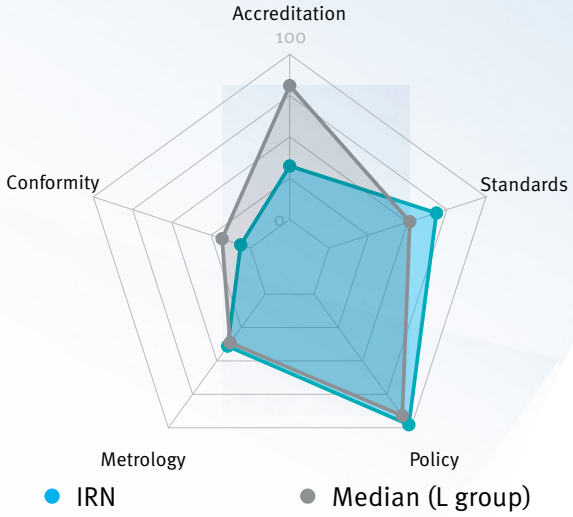
IRAN

GDP GROUP RANK: 24/46 (L)
OVERALL RANK: 43/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Middle East & North Africa	Lower middle	192	2,283	83,993

QI4SD Index (L group)





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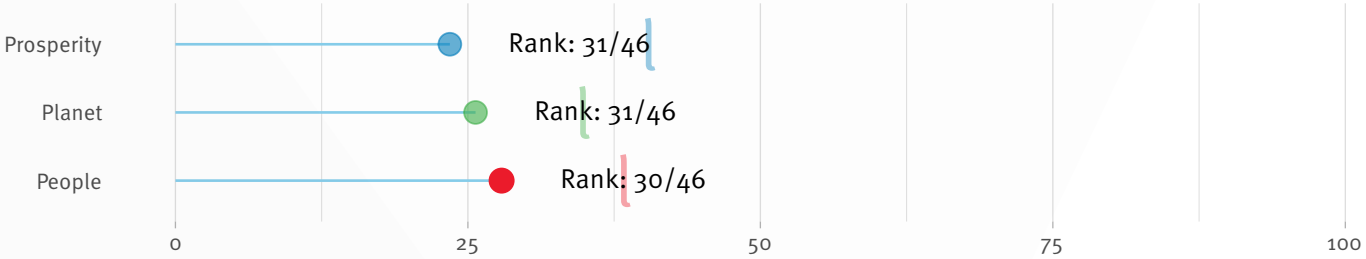


Vertical lines represent in–group median scores. Ranks are within GDP group (L)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Adopted ISO standards	Standards	7	18	Number
Involvement in OIML project groups	Metrology	9	88	Composite score
Participation in ISO technical committees	Standards	15	990	Number

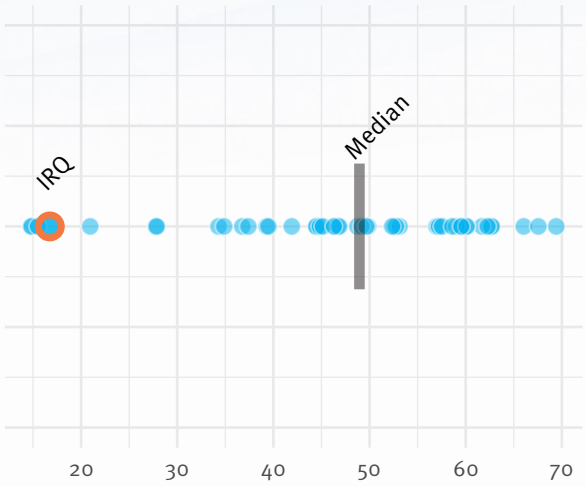
Weaknesses	Dimension	Rank	Value	Unit
Membership of IQNet	Conformity	46	2	Composite score
Scopes of IAF accreditation bodies	Accreditation	56	4	Number
Number of recognised certificates (ISO)	Conformity	56	3,010	Number

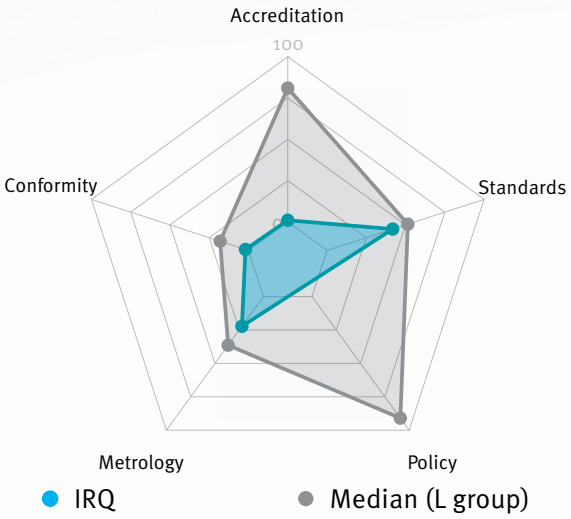
IRAQ

GDP GROUP RANK: 43/46 (L)
OVERALL RANK:110/137

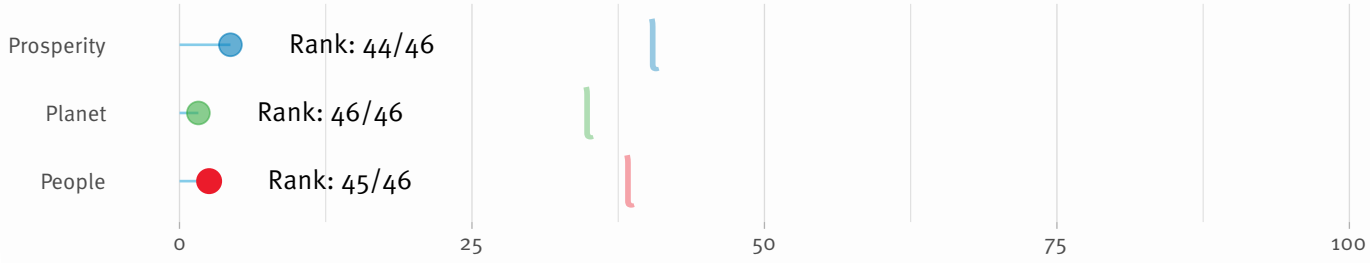
Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Middle East & North Africa	Upper middle	167	4,157	40,223

QI4SD Index (L group)





P–Scores



Vertical lines represent in–group median scores. Ranks are within GDP group (L)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Number of recognised certificates (ISO)	Conformity	61	2,120	Number
Participation in IEC technical committees	Standards	62	8	Number
Membership of ITU	Standards	79	1	Composite score

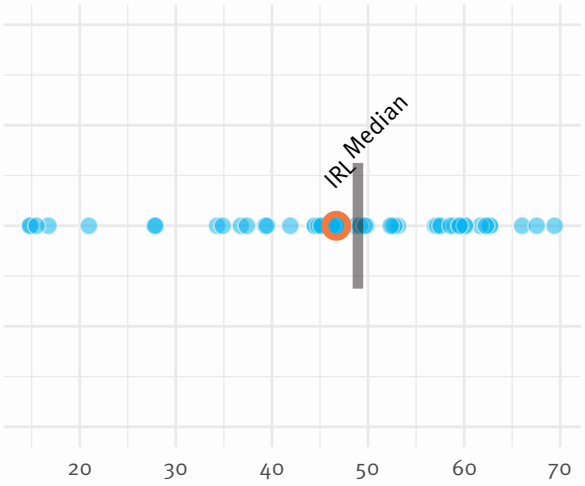
Weaknesses	Dimension	Rank	Value	Unit
Participation in ISO technical committees	Standards	93	45	Number
Participation in key and supplementary comparisons	Metrology	96	1	Number
Number of recognised certificates (IQNet)	Conformity	120	2	Number

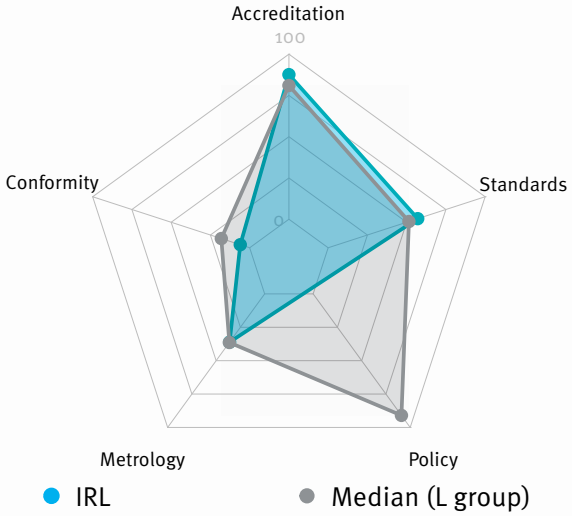
IRELAND

GDP GROUP RANK: 26/46 (L)
OVERALL RANK: 46/137

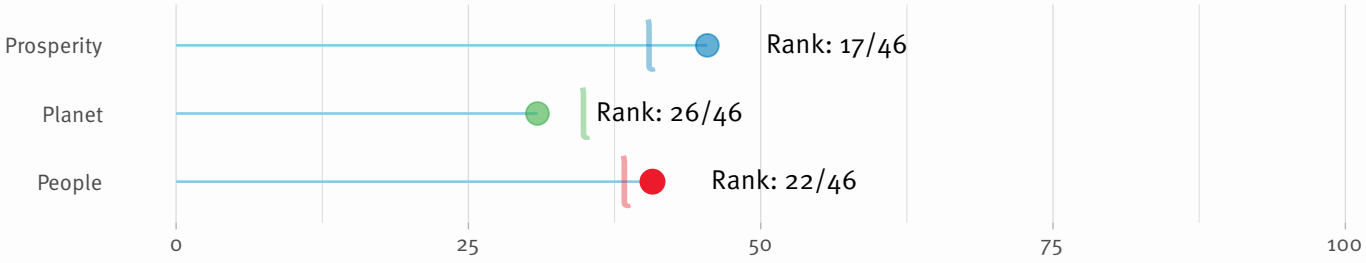
Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Europe & Central Asia	High	426	85,268	4,995

QI4SD Index (L group)





P–Scores



Vertical lines represent in–group median scores. Ranks are within GDP group (L)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Scopes of IAF accreditation bodies	Accreditation	27	10	Number
Number of recognised certificates (ISO)	Conformity	28	9,100	Number
Participation in IEC technical committees	Standards	28	166	Number

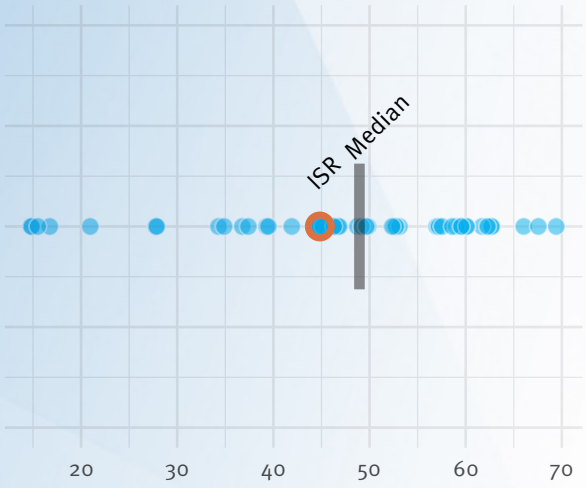
Weaknesses	Dimension	Rank	Value	Unit
Participation in key and supplementary comparisons	Metrology	55	41	Number
Membership of ITU	Standards	68	2	Composite score
Number of recognised certificates (IQNet)	Conformity	69	154	Number

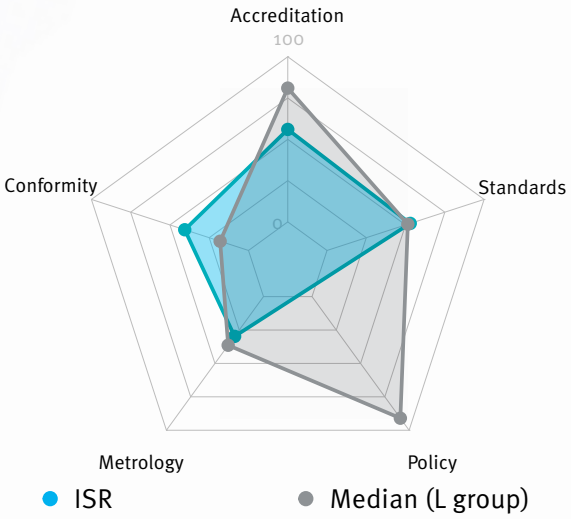
ISRAEL

GDP GROUP RANK: 30/46 (L)
OVERALL RANK: 51/137

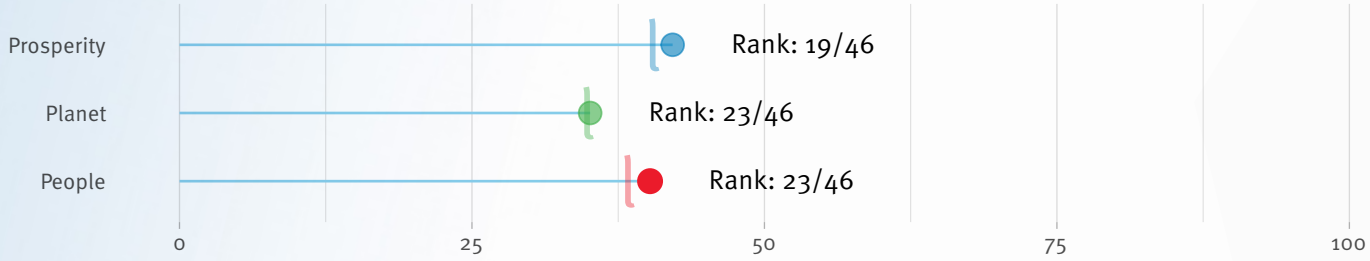
Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Middle East & North Africa	High	402	43,611	9,217

QI4SD Index (L group)





P–Scores



Vertical lines represent in–group median scores. Ranks are within GDP group (L)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Number of IECEE certificates recognised	Conformity	6	2,100	Number
Number of recognised certificates (IQNet)	Conformity	9	9,220	Number
Number of recognised certificates (ISO)	Conformity	16	14,600	Number

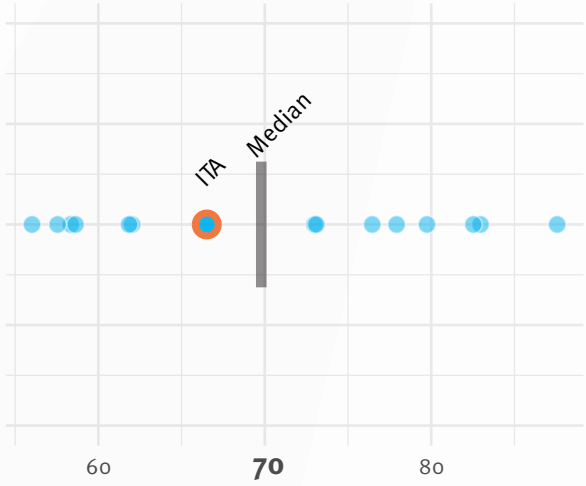
Weaknesses	Dimension	Rank	Value	Unit
Adopted ISO standards	Standards	51	1	Number
Involvement in OIML project groups	Metrology	61	170	Composite score
Participation in key and supplementary comparisons	Metrology	74	26	Number

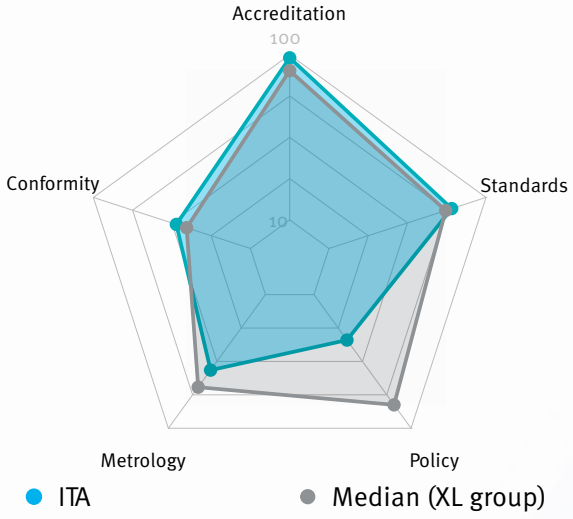
ITALY

GDP GROUP RANK: 10/16 (XL)
OVERALL RANK: 12/137

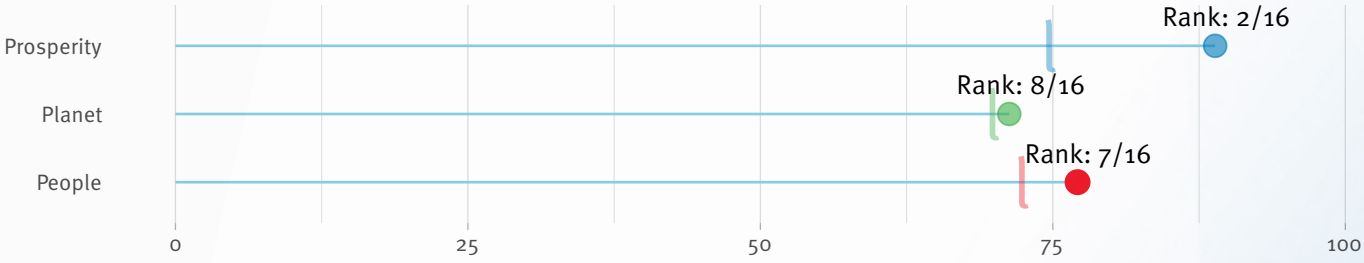
Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Europe & Central Asia	High	1,886	31,676	59,554

QI4SD Index (XL group)





P–Scores



Vertical lines represent in–group median scores. Ranks are within GDP group (XL)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Scopes of IAF accreditation bodies	Accreditation	2	14	Number
Number of recognised certificates (IQNet)	Conformity	2	47,300	Number
Number of recognised certificates (ISO)	Conformity	2	121,000	Number

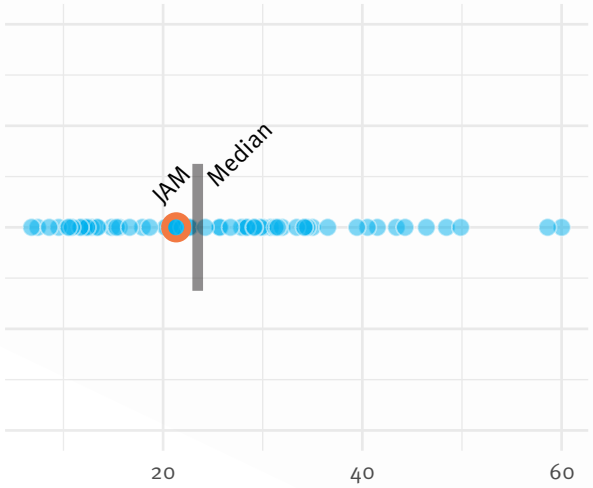
Weaknesses	Dimension	Rank	Value	Unit
Number of CMCs	Metrology	17	443	Number
Number of IECEE certificates recognised	Conformity	27	18	Number
Involvement in OIML project groups	Metrology	37	16	Composite score

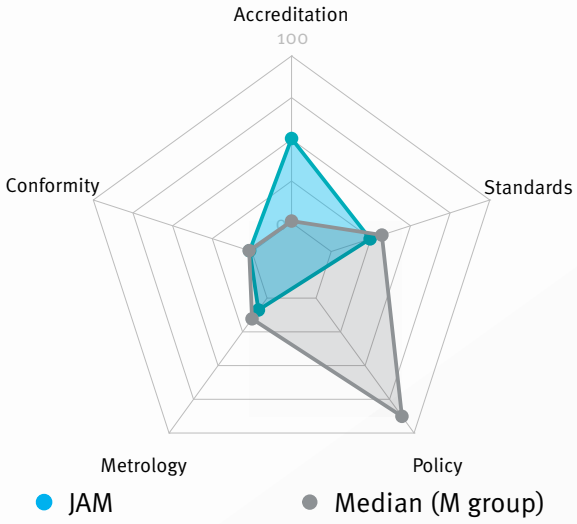
JAMAICA

GDP GROUP RANK: 39/64 (M)
OVERALL RANK: 100/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Latin America & Caribbean	Upper middle	14	4,665	2,961

QI4SD Index (M group)





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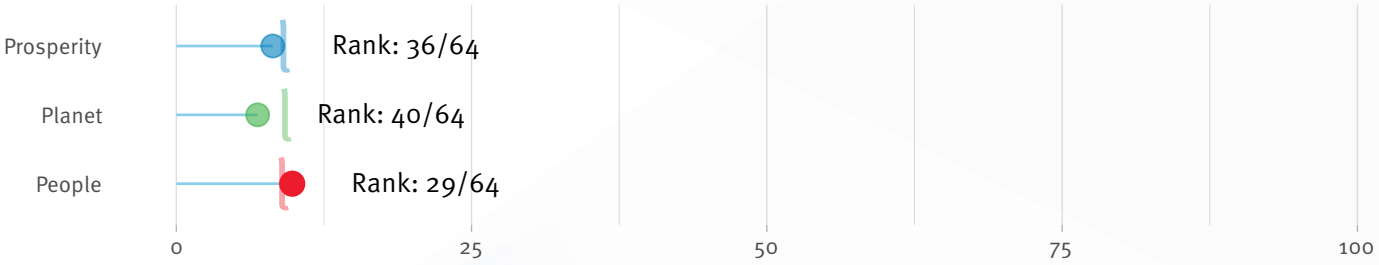


Vertical lines represent in–group median scores. Ranks are within GDP group (M)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Adopted IEC standards	Standards	39	29	Number
Number of CMCs	Metrology	66	22	Number
Membership of ITU	Standards	68	2	Composite score

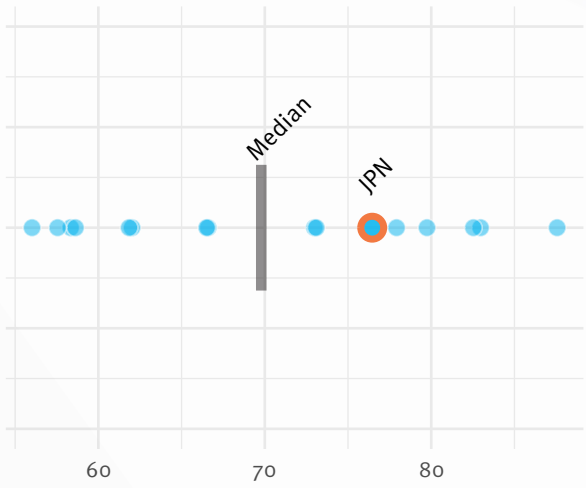
Weaknesses	Dimension	Rank	Value	Unit
Number of recognised certificates (ISO)	Conformity	78	993	Number
Participation in ISO technical committees	Standards	100	100	Number
Number of recognised certificates (IQNet)	Conformity	120	120	Number

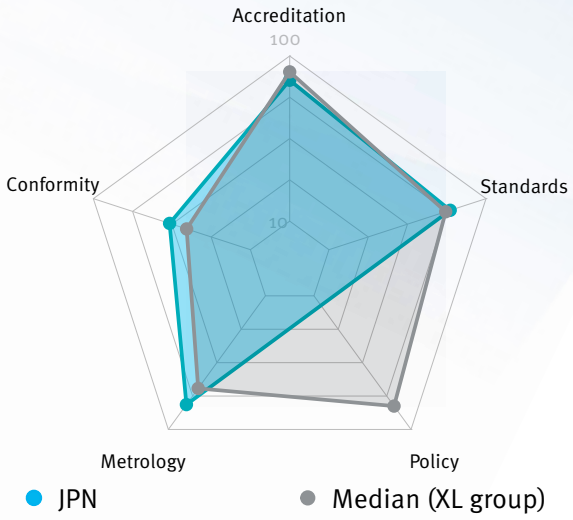
JAPAN

GDP GROUP RANK: 6/16 (XL)
OVERALL RANK: 6/137

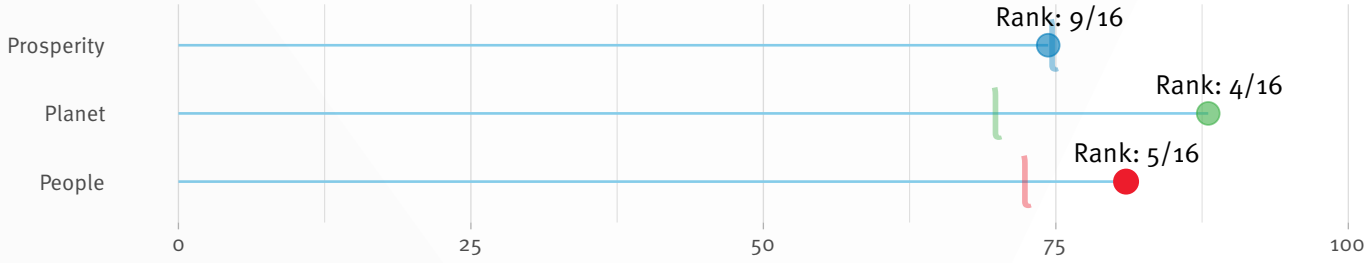
Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Europe & Central Asia	High	4,975	39,539	125,836

QI4SD Index (XL group)





P–Scores



Vertical lines represent in–group median scores. Ranks are within GDP group (XL)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Participation in BIPM Consultative Committees	Metrology	1	20	Number
Involvement in OIML project groups	Metrology	3	99	Composite score
Participation in IEC technical committees	Standards	3	344	Number

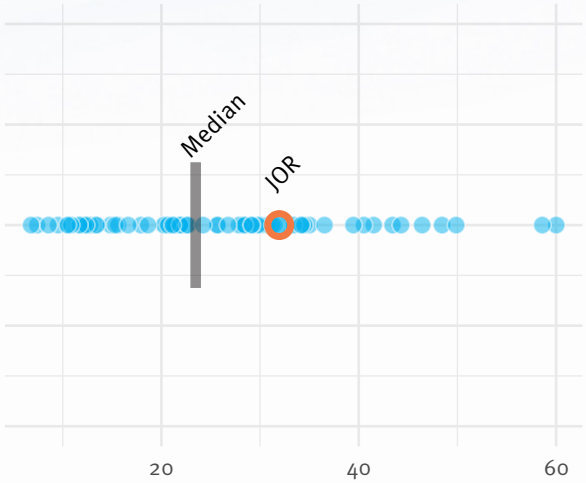
Weaknesses	Dimension	Rank	Value	Unit
OIML-CS - number of services recognised	Metrology	23	7	Number
Scopes of IAF accreditation bodies	Accreditation	44	7	Number
Adopted ISO standards	Standards	74	6	Number

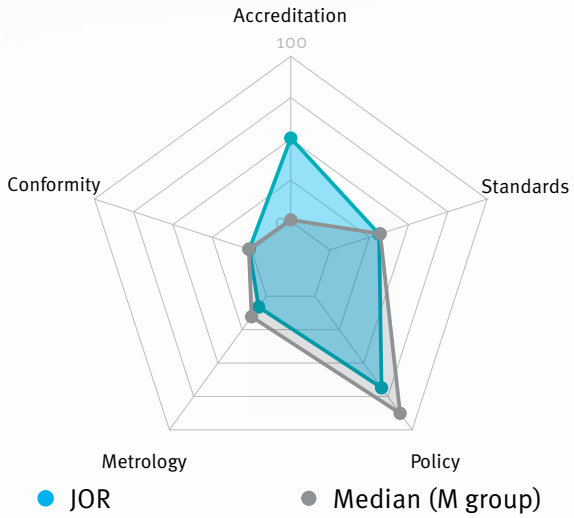
JORDAN

GDP GROUP RANK: 17/64 (M)
OVERALL RANK: 72/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Middle East & North Africa	Upper middle	44	4,283	10,203

QI4SD Index (M group)





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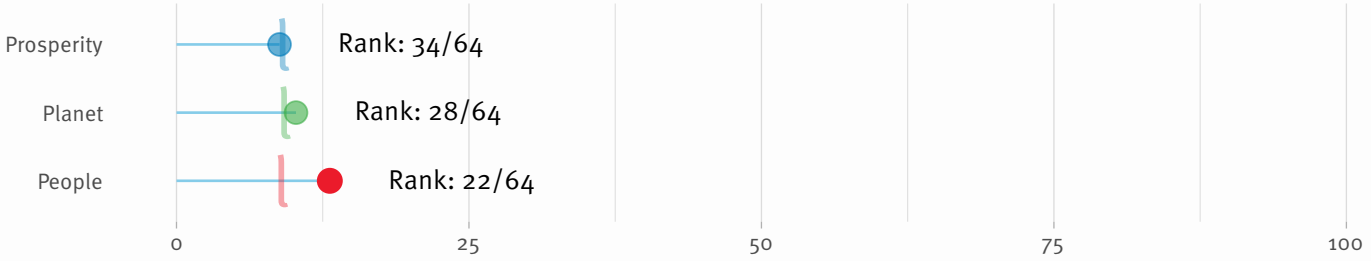


Vertical lines represent in–group median scores. Ranks are within GDP group (M)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Adopted IEC standards	Standards	25	74	Number of types
Membership of ITU	Standards	53	3	Number
Participation in IEC technical committees	Standards	71	4	Number

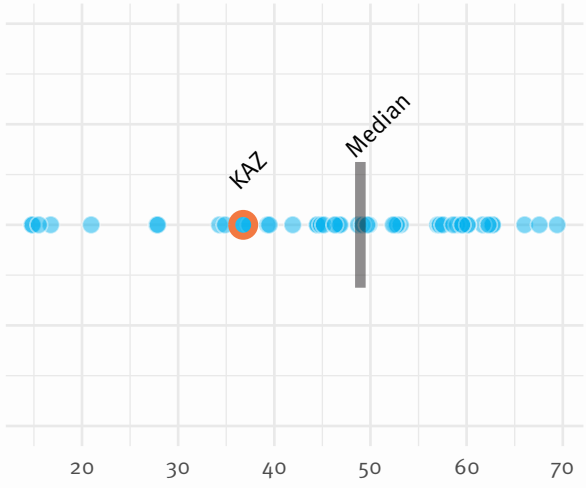
Weaknesses	Dimension	Rank	Value	Unit
Adopted ISO standards	Standards	75	5	Number
Number of recognised certificates (ISO)	Conformity	81	924	Number
Number of recognised certificates (IQNet)	Conformity	112	4	Number

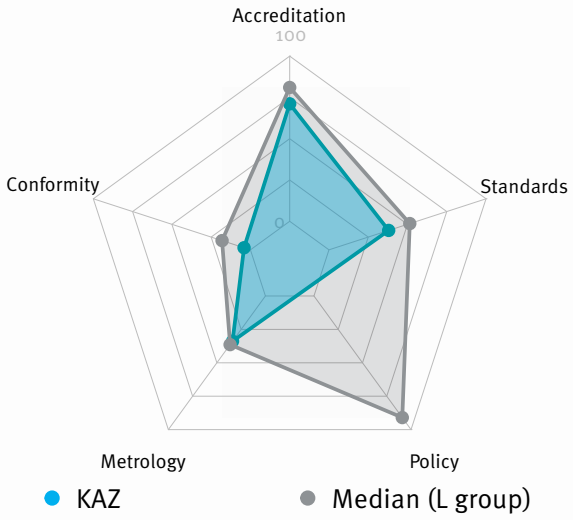
KAZAKHSTAN

GDP GROUP RANK: 37/46 (L)
OVERALL RANK: 63/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Europe & Central Asia	Upper middle	170	9,056	18,754

QI4SD Index (L group)





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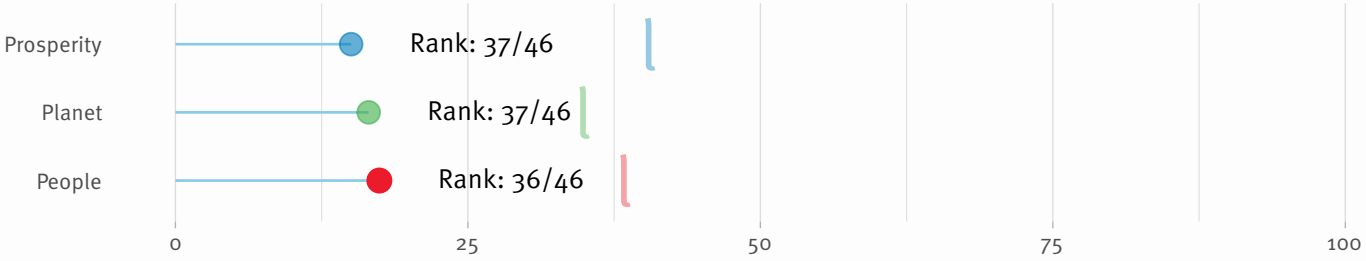


Vertical lines represent in–group median scores. Ranks are within GDP group (L)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Membership of IQNet	Conformity	25	4	Composite score
Number of recognised certificates (IQNet)	Conformity	38	838	Number
Involvement in OIML project groups	Metrology	45	8	Composite score

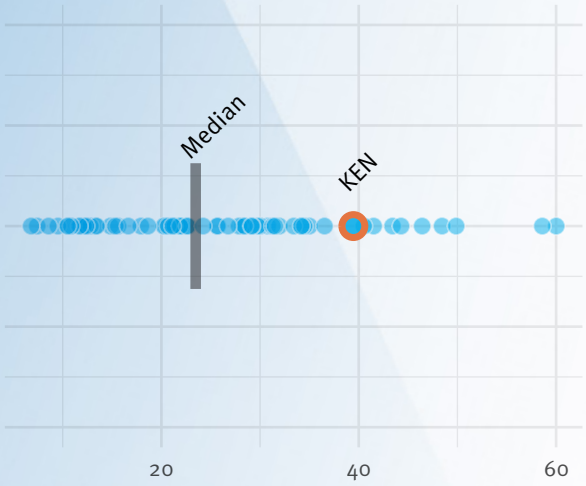
Weaknesses	Dimension	Rank	Value	Unit
Number of CMCs	Metrology	56	69	Number
Participation in IEC technical committees	Standards	57	8	Number
Number of recognised certificates (ISO)	Conformity	96	624	Number

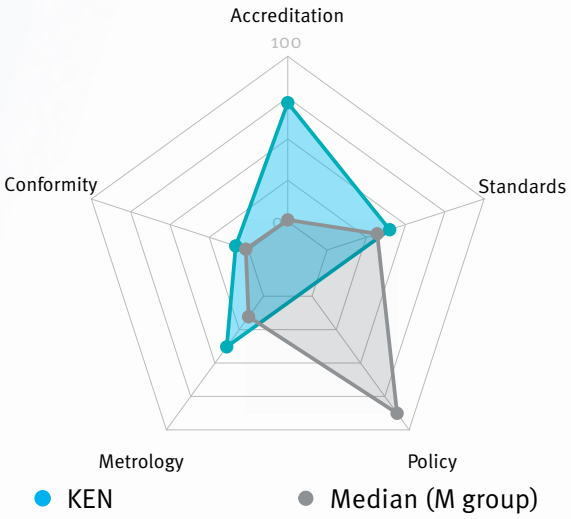
KENYA

GDP GROUP RANK: 10/64 (M)
OVERALL RANK: 60/137

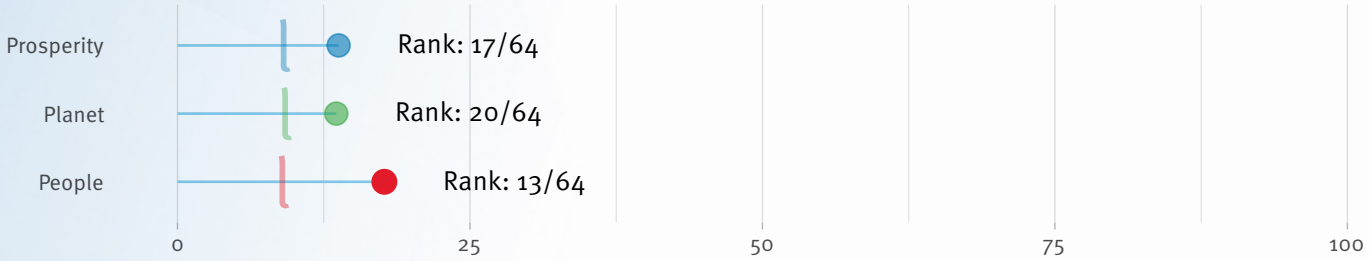
Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Sub-Saharan Africa	Lower middle	99	1,838	53,771

QI4SD Index (M group)





P–Scores



Vertical lines represent in–group median scores. Ranks are within GDP group (M)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
OIML-CS - number of services recognised	Metrology	4	69	Number
Membership of ITU	Standards	33	6	Composite score
Participation in BIPM Consultative Committees	Metrology	36	2	Number

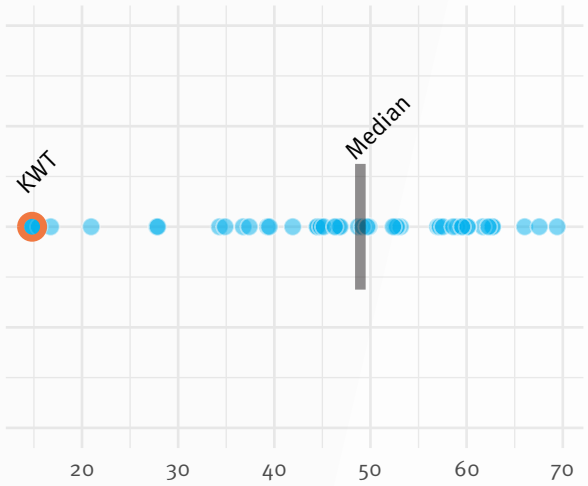
Weaknesses	Dimension	Rank	Value	Unit
Number of recognised certificates (ISO)	Conformity	63	2,090	Number
Number of CMCs	Metrology	65	25	Number
Number of recognised certificates (IQNet)	Conformity	106	10	Number

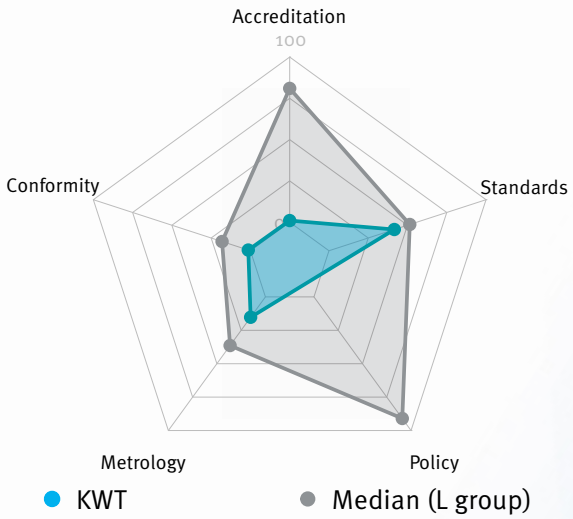
KUWAIT

GDP GROUP RANK: 46/46 (L)
OVERALL RANK: 120/137

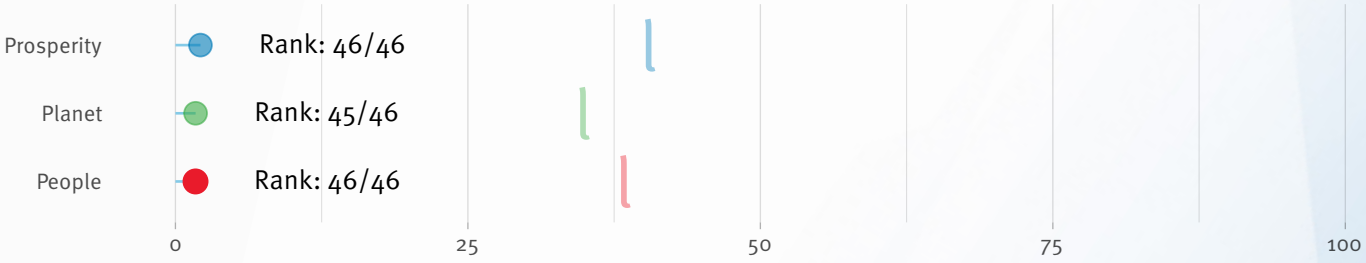
Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Middle East & North Africa	High	136	32,373	4,271

QI4SD Index (L group)





P–Scores



Vertical lines represent in–group median scores. Ranks are within GDP group (L)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Participation in IEC technical committees	Standards	63	14,600	Number
Membership of ITU	Standards	68	411	Composite score
Number of recognised certificates (ISO)	Conformity	84	10	Number

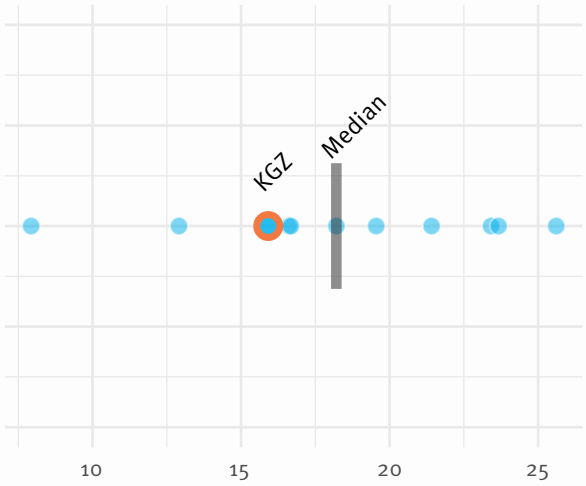
Weaknesses	Dimension	Rank	Value	Unit
Participation in key and supplementary comparisons	Metrology	89	4	Number
Participation in ISO technical committees	Standards	106	27	Number
Number of recognised certificates (IQNet)	Conformity	112	4	Number

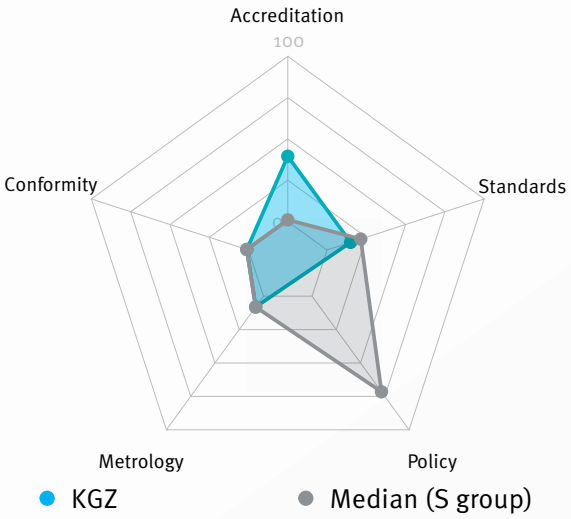
KYRGYZSTAN

GDP GROUP RANK: 9/11 (S)
OVERALL RANK: 114/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Europe & Central Asia	Lower middle	347	1,174	6,592

QI4SD Index (S group)





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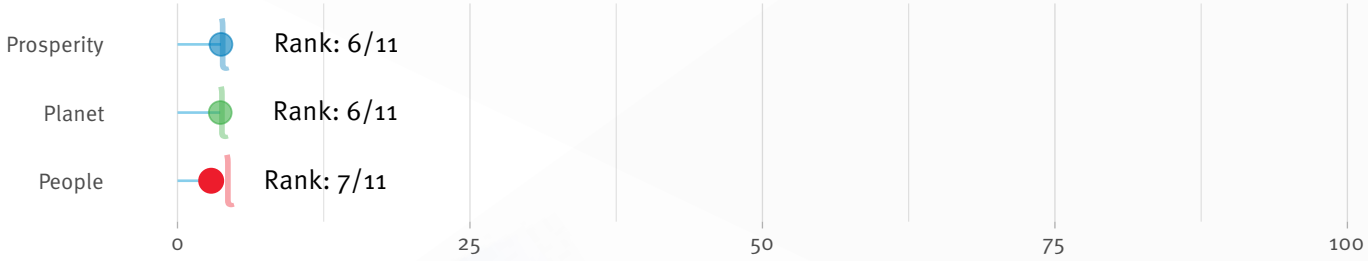


Vertical lines represent in–group median scores. Ranks are within GDP group (S)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Adopted IEC standards	Standards	46	7	Number
Number of recognised certificates (IQNet)	Conformity	110	6	Number
Number of recognised certificates (ISO)	Conformity	126	115	Number

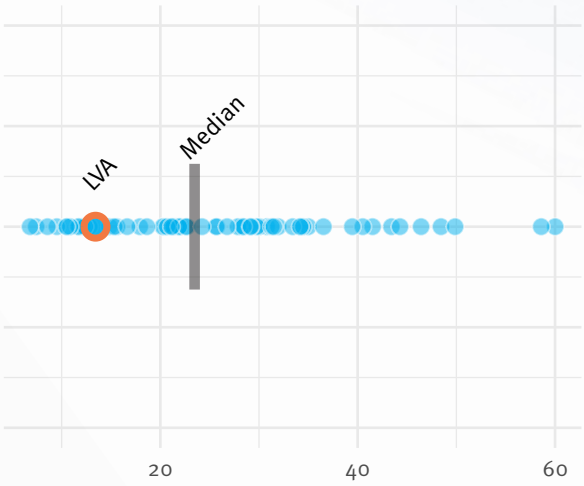
Weaknesses	Dimension	Rank	Value	Unit
Number of recognised certificates (IQNet)	Conformity	110	6	Number
Number of recognised certificates (ISO)	Conformity	126	115	Number
Participation in ISO technical committees	Standards	130	6	Number

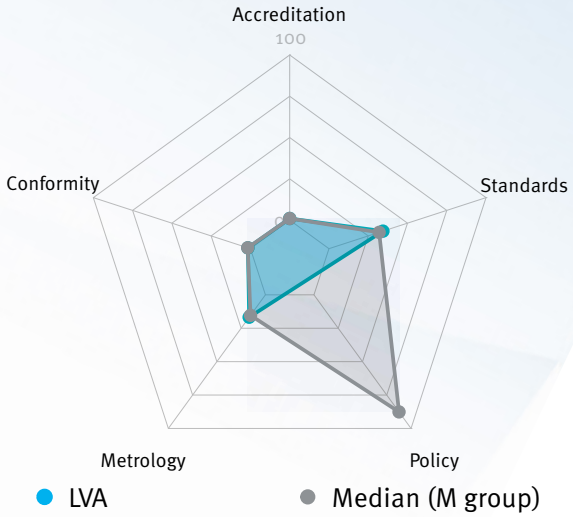
LATVIA

GDP GROUP RANK: 50/64 (M)
OVERALL RANK: 121/137

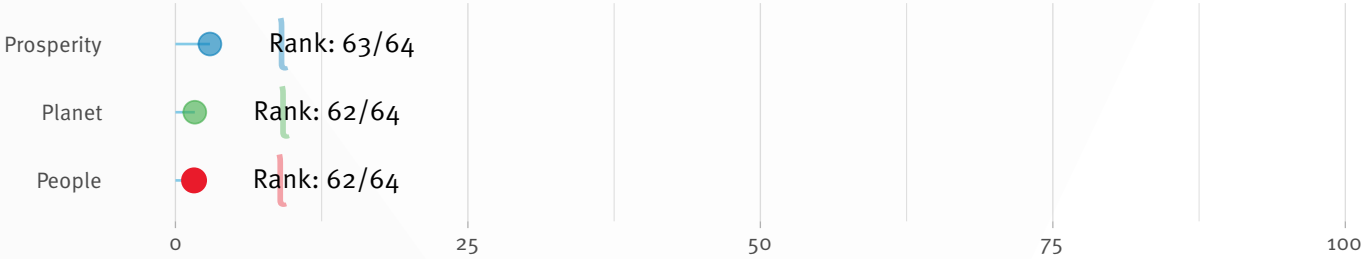
Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Europe & Central Asia	High	34	17,620	1,902

QI4SD Index (M group)





P–Scores



Vertical lines represent in–group median scores. Ranks are within GDP group (M)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
OIML-CS - number of services recognised	Metrology	25	6	Number
Involvement in OIML project groups	Metrology	61	1	Composite score
Breadth of CMCs	Metrology	65	3	Number of types

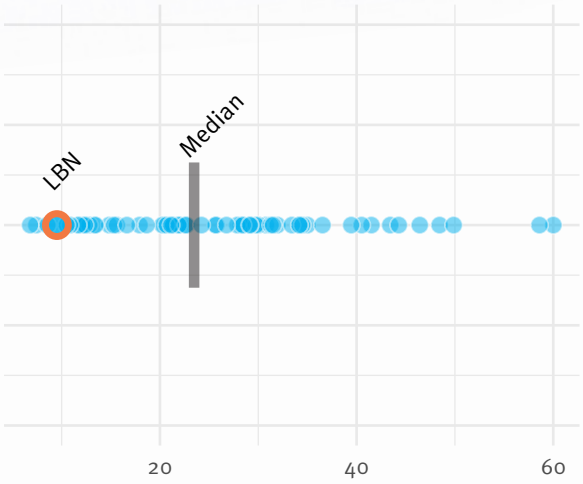
Weaknesses	Dimension	Rank	Value	Unit
Number of recognised certificates (ISO)	Conformity	76	1,240	Number
Number of recognised certificates (IQNet)	Conformity	91	34	Number
Participation in ISO technical committees	Standards	104	28	Number

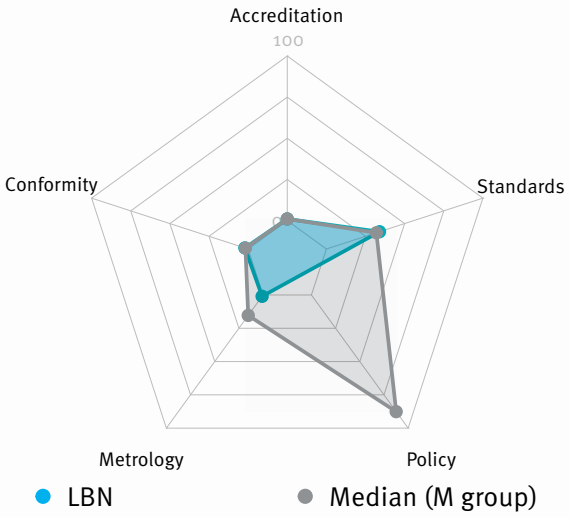
LEBANON

GDP GROUP RANK: 61/64 (M)
OVERALL RANK: 133/137

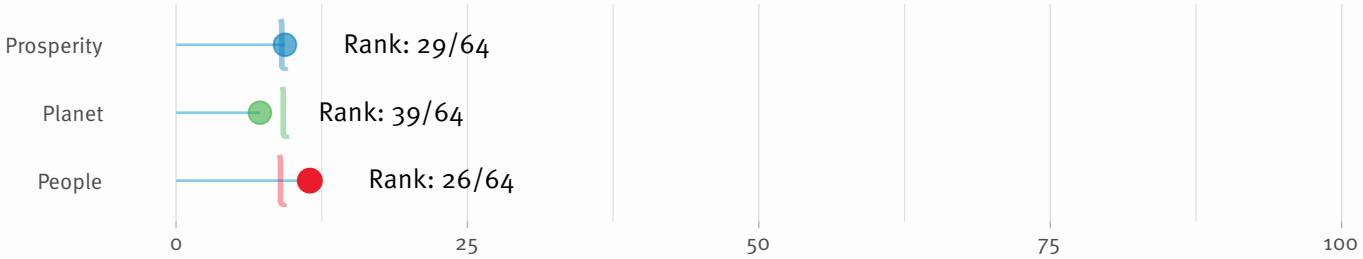
Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Middle East & North Africa	Upper middle	33	4,891	6,825

QI4SD Index (M group)





P–Scores



Vertical lines represent in–group median scores. Ranks are within GDP group (M)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Adopted IEC standards	Standards	14	30	Number
Membership of ITU	Standards	29	298	Composite score
Membership of IQNet	Conformity	30	4	Composite score

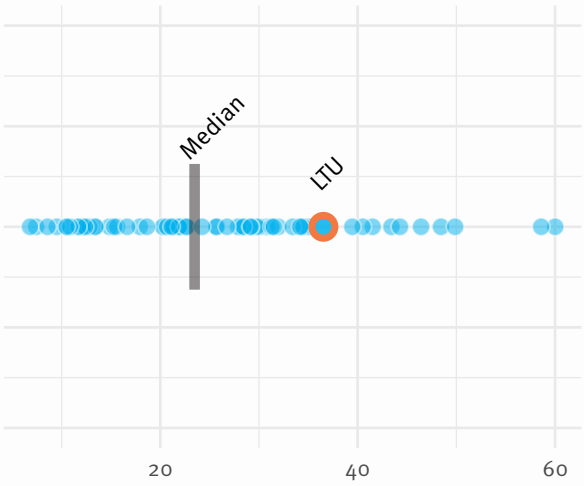
Weaknesses	Dimension	Rank	Value	Unit
Number of recognised certificates (IQNet)	Conformity	90	39	Number
Participation in ISO technical committees	Standards	94	44	Number
Number of recognised certificates (ISO)	Conformity	95	636	Number

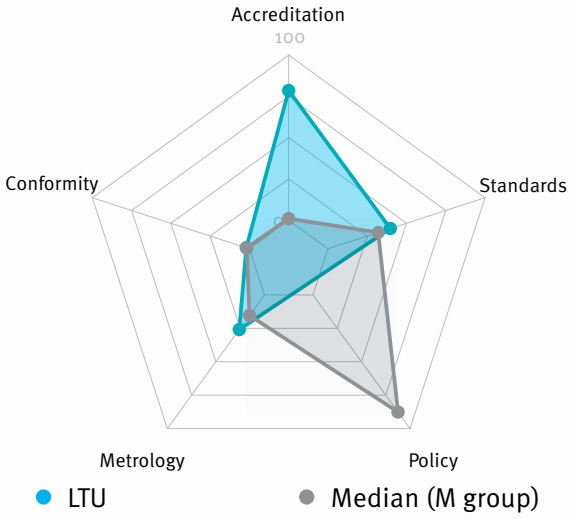
LITHUANIA

GDP GROUP RANK: 11/64 (M)
OVERALL RANK: 64/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Europe & Central Asia	High	56	19,998	2,795

QI4SD Index (M group)





P–Scores

Vertical lines represent in–group median scores. Ranks are within GDP group (M)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Adopted ISO standards	Standards	37	13	Number
Scopes of IAF accreditation bodies	Accreditation	38	7	Number
Involvement in OIML project groups	Metrology	47	7	Composite score

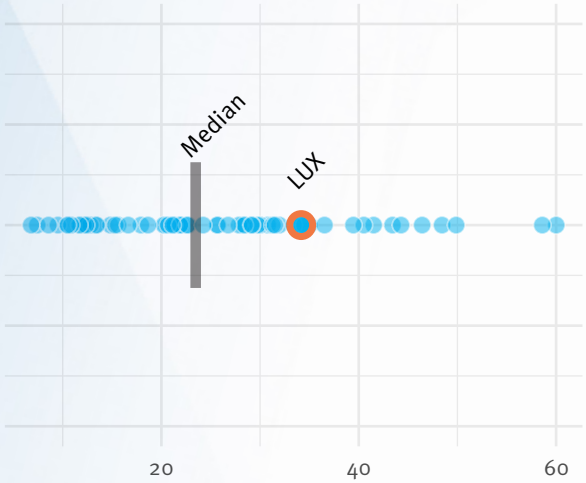
Weaknesses	Dimension	Rank	Value	Unit
Participation in ISO technical committees	Standards	80	89	Number
Number of recognised certificates (IQNet)	Conformity	84	61	Number
Membership of ITU	Standards	99	0	Composite score

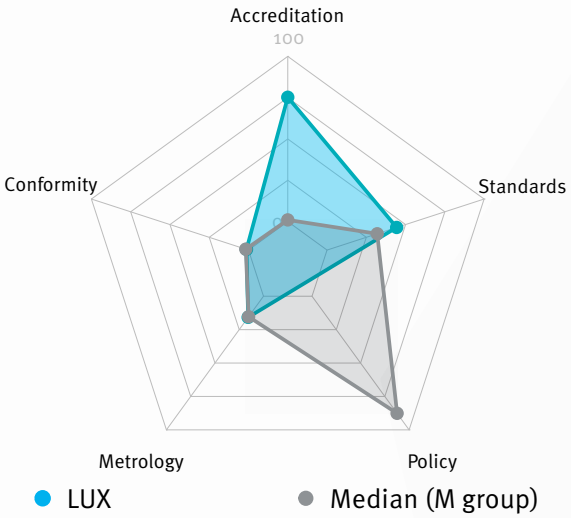
LUXEMBOURG

GDP GROUP RANK: 15/64 (M)
OVERALL RANK: 70/137

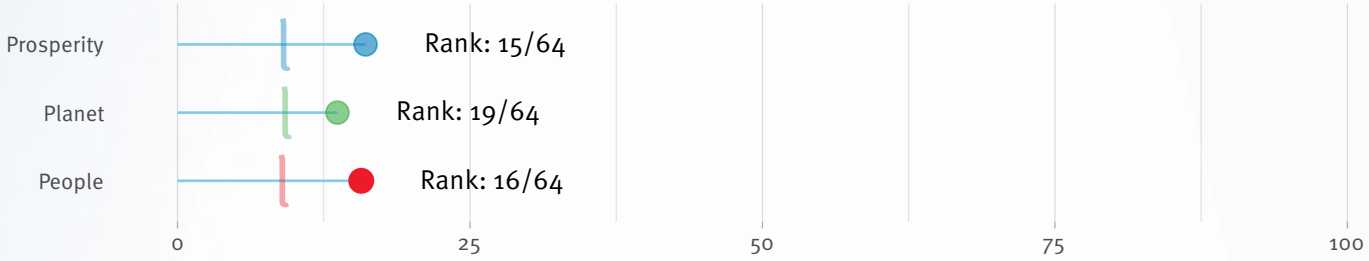
Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Europe & Central Asia	High	73	115,874	632

QI4SD Index (M group)





P–Scores



Vertical lines represent in–group median scores. Ranks are within GDP group (M)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Scopes of IAF accreditation bodies	Accreditation	50	5	Number
Participation in IEC technical committees	Standards	54	17	Number
Participation in ISO technical committees	Standards	58	195	Number

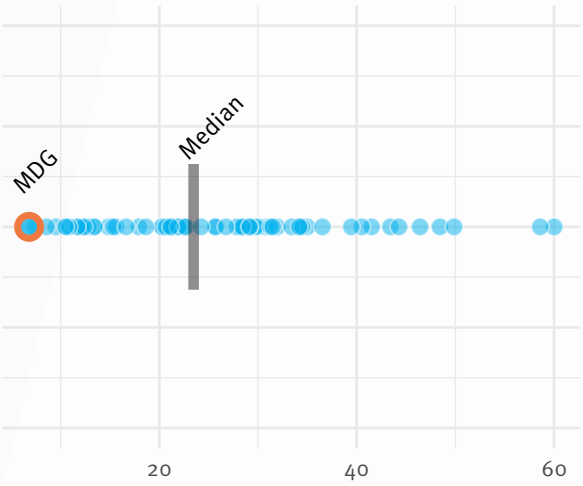
Weaknesses	Dimension	Rank	Value	Unit
Membership of ITU	Standards	79	1	Composite score
Participation in key and supplementary comparisons	Metrology	85	5	Number
Number of recognised certificates (ISO)	Conformity	107	362	Number

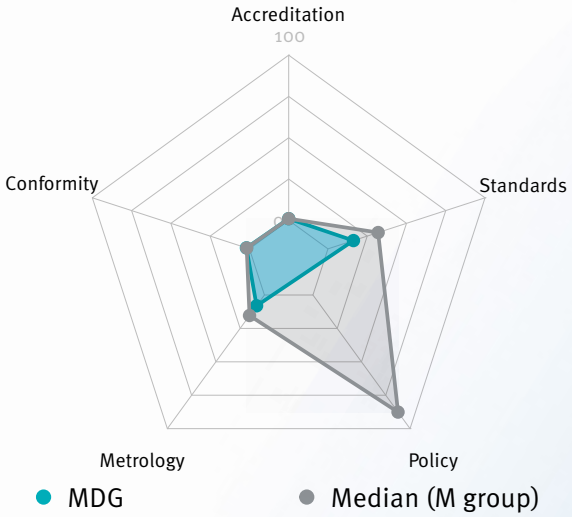
MADAGASCAR

GDP GROUP RANK: 64/64 (M)
OVERALL RANK: 137/137

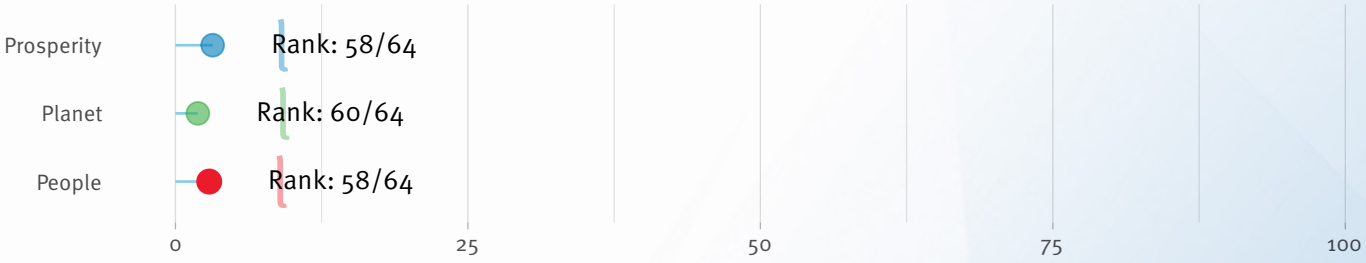
Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Sub-Saharan Africa	Low	14	495	27,691

QI4SD Index (M group)





P–Scores



Vertical lines represent in–group median scores. Ranks are within GDP group (M)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Adopted IEC standards	Standards	36	46	Number
Membership of IQNet	Conformity	57	1	Composite score
Number of recognised certificates (ISO)	Conformity	77	1,210	Number

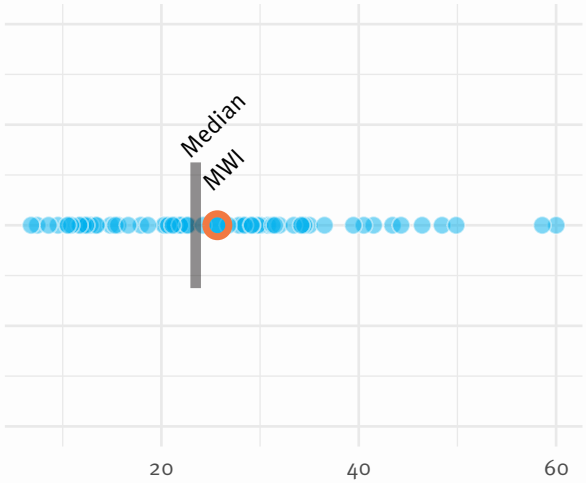
Weaknesses	Dimension	Rank	Value	Unit
Number of recognised certificates (ISO)	Conformity	77	1,210	Number
Number of recognised certificates (IQNet)	Conformity	124	1	Number
Participation in ISO technical committees	Standards	127	7	Number

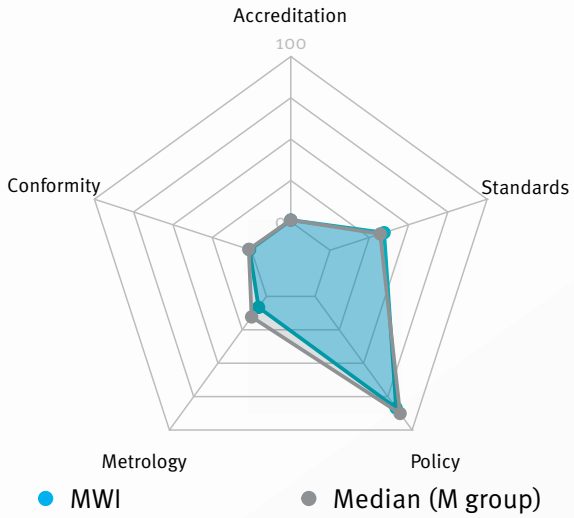
MALAWI

GDP GROUP RANK: 31/64 (M)
OVERALL RANK: 88/137

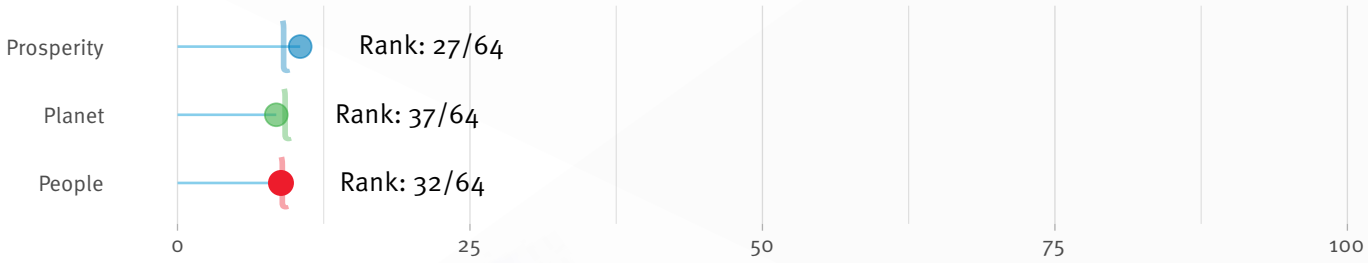
Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Sub-Saharan Africa	Low	12	625	19,130

QI4SD Index (M group)





P–Scores



Vertical lines represent in–group median scores. Ranks are within GDP group (M)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Adopted IEC standards	Standards	10	276	Number
Adopted ISO standards	Standards	48	11	Number
Involvement in OIML project groups	Metrology	61	1	Composite score

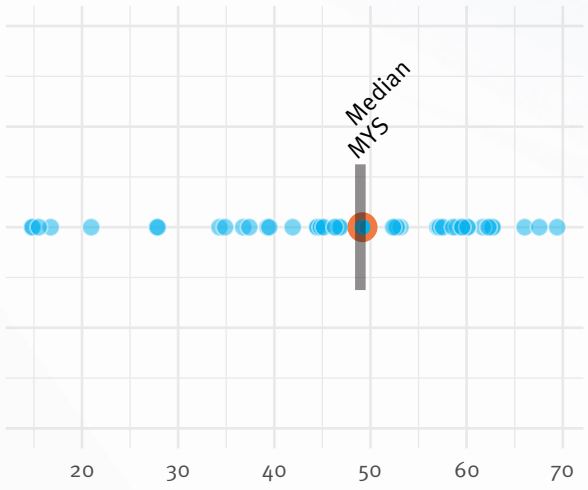
Weaknesses	Dimension	Rank	Value	Unit
Number of recognised certificates (ISO)	Conformity	99	563	Number
Participation in ISO technical committees	Standards	109	109	Number
Number of recognised certificates (IQNet)	Conformity	120	120	Number

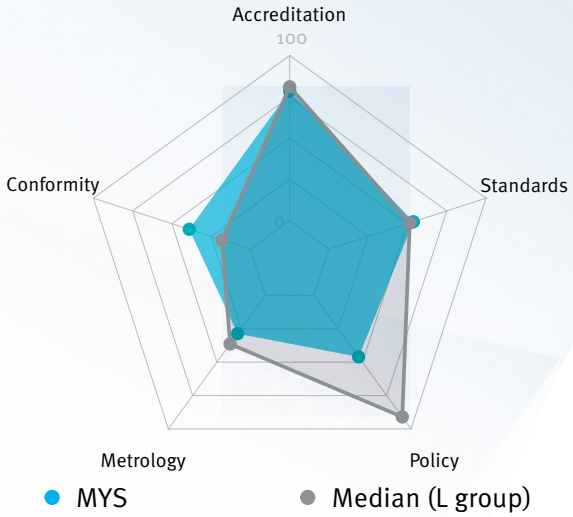
MALAYSIA

GDP GROUP RANK: 223/46 (L)
OVERALL RANK: 42/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
East Asia & Pacific	Upper middle	337	10,402	32,366

QI4SD Index (L group)





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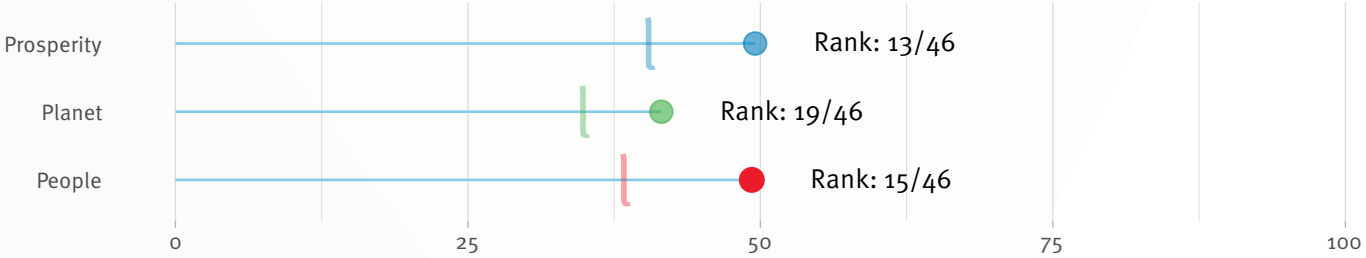


Vertical lines represent in–group median scores. Ranks are within GDP group (L)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Number of IECEE certificates recognised	Conformity	9	1,600	Number
Number of recognised certificates (IQNet)	Conformity	10	9,080	Number
Membership of IQNet	Conformity	16	6	Composite score

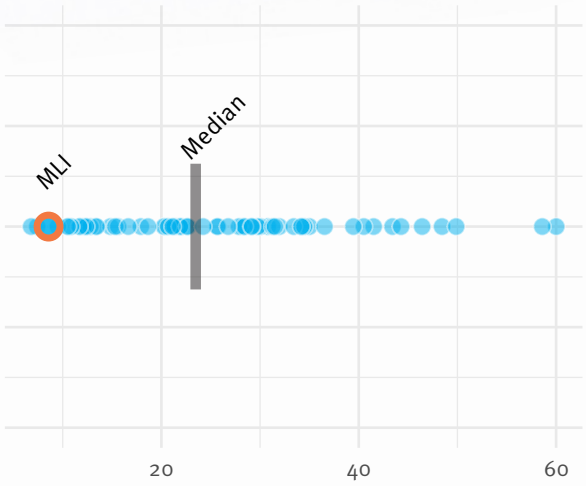
Weaknesses	Dimension	Rank	Value	Unit
Scopes of IAF accreditation bodies	Accreditation	38	7	Number
Number of CMCs	Metrology	44	124	Number
Adopted ISO standards	Standards	55	9	Number

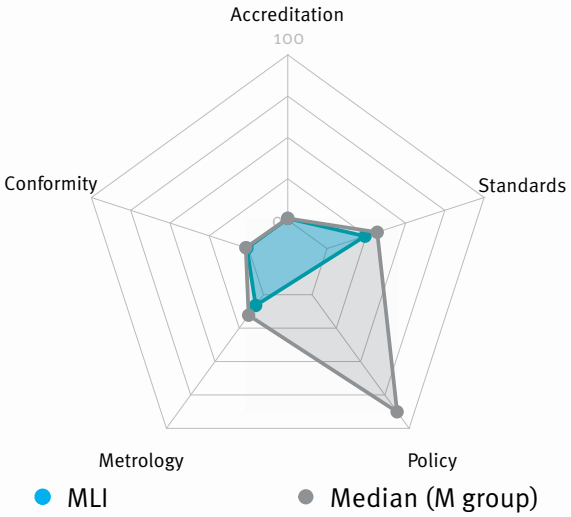
MALI

GDP GROUP RANK: 62/64 (M)
OVERALL RANK: 134/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Sub-Saharan Africa	Low	17	859	20,251

QI4SD Index (M group)





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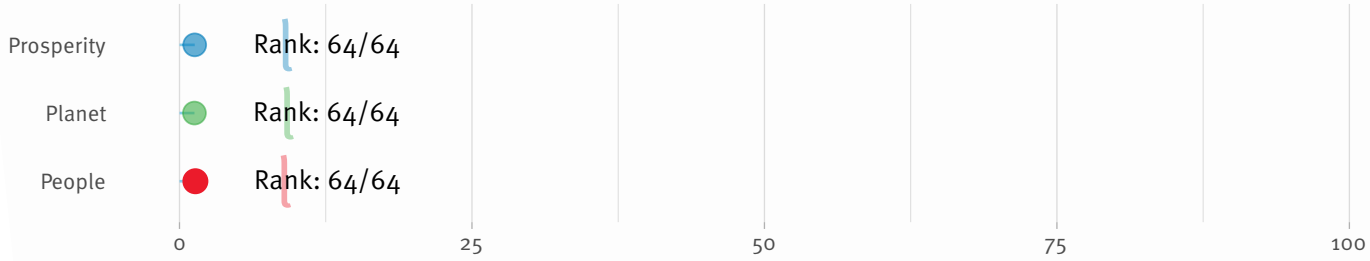


Vertical lines represent in–group median scores. Ranks are within GDP group (M)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Adopted IEC standards	Standards	44	12	Number
Membership of ITU	Standards	53	3	Composite score
Participation in ISO technical committees	Standards	98	38	Number

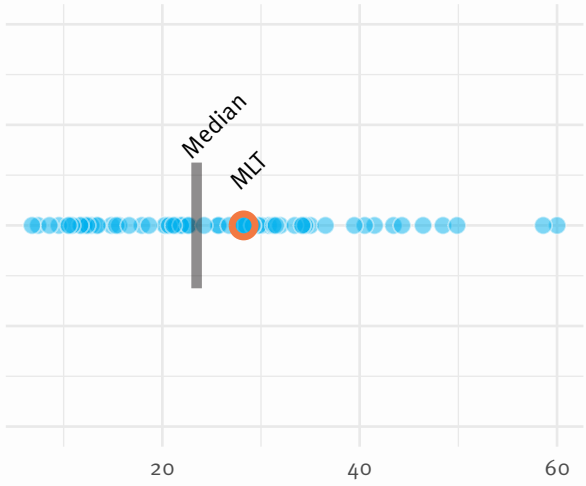
Weaknesses	Dimension	Rank	Value	Unit
Participation in ISO technical committees	Standards	98	38	Number
Number of recognised certificates (IQNet)	Conformity	109	7	Number
Number of recognised certificates (ISO)	Conformity	134	43	Number

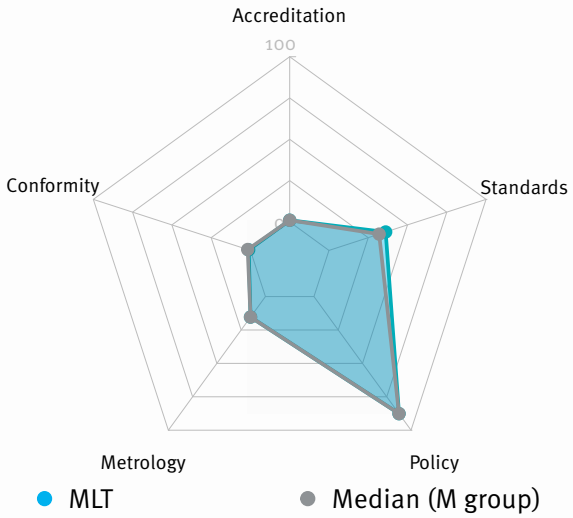
MALTA

GDP GROUP RANK: 27/64 (M)
OVERALL RANK: 82/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Middle East & North Africa	High	15	27,885	525

QI4SD Index (M group)





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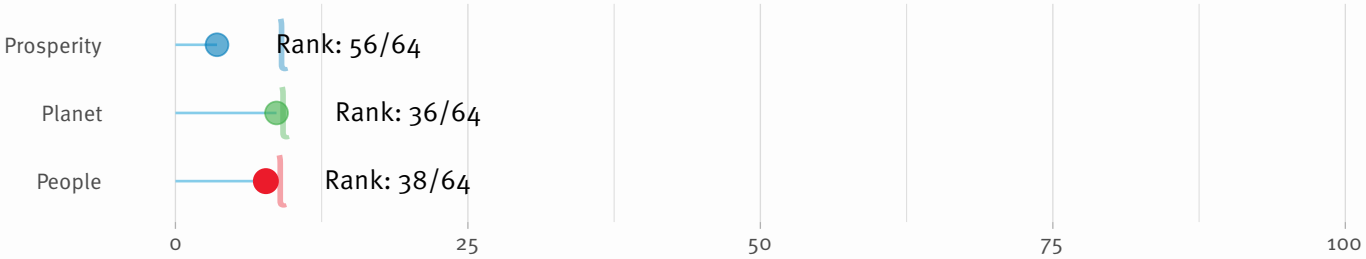


Vertical lines represent in–group median scores. Ranks are within GDP group (M)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Adopted ISO standards	Standards	55	9	Number
Participation in key and supplementary comparisons	Metrology	81	8	Number
Participation in ISO technical committees	Standards	84	76	Number

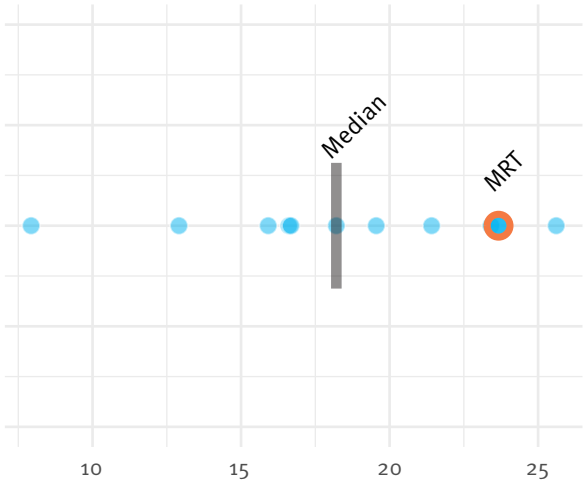
Weaknesses	Dimension	Rank	Value	Unit
Participation in ISO technical committees	Standards	84	76	Number
Number of recognised certificates (IQNet)	Conformity	100	17	Number
Number of recognised certificates (ISO)	Conformity	114	269	Number

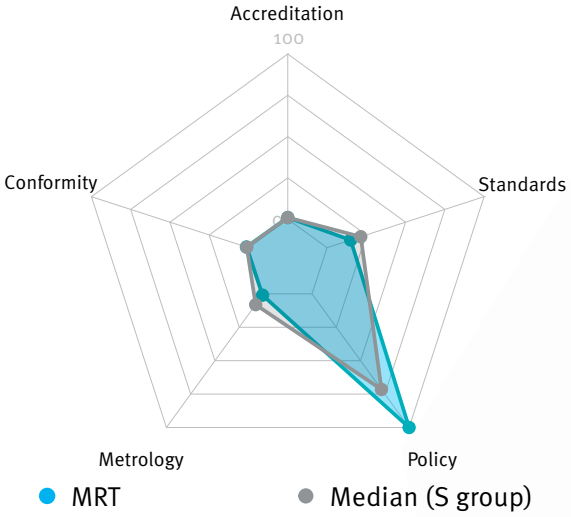
MAURITANIA

GDP GROUP RANK: 2/11 (S)
OVERALL RANK: 2/11 (S)

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Sub-Saharan Africa	Lower middle	8	1,673	4,650

QI4SD Index (S group)





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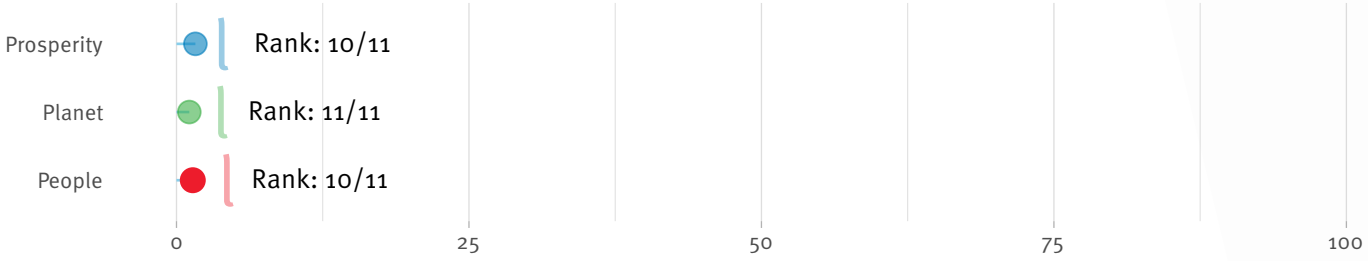


Vertical lines represent in–group median scores. Ranks are within GDP group (S)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Membership of ITU	Standards	79	1	Composite score
Number of recognised certificates (ISO)	Conformity	92	688	Number
Participation in ISO technical committees	Standards	119	15	Number

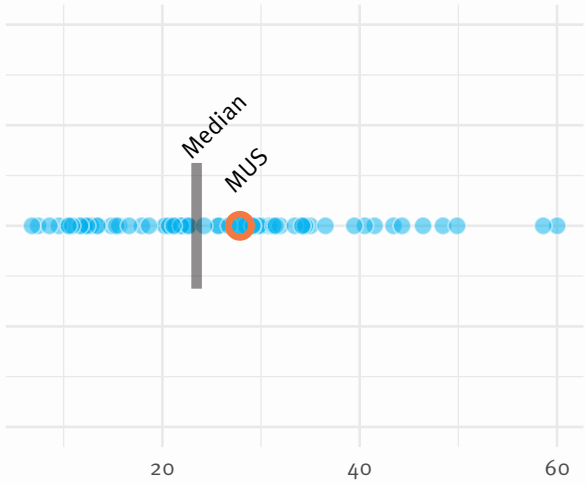
Weaknesses	Dimension	Rank	Value	Unit
Number of recognised certificates (ISO)	Conformity	92	688	Number
Participation in ISO technical committees	Standards	119	15	Number
Number of recognised certificates (IQNet)	Conformity	120	2	Number

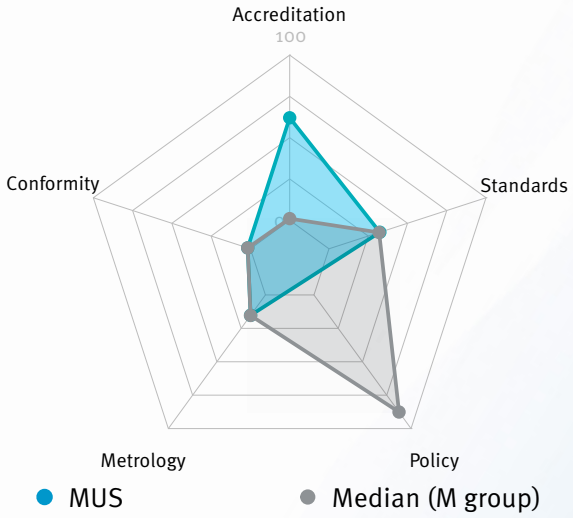
MAURITIUS

GDP GROUP RANK: 28/64 (M)
OVERALL RANK: 84/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Sub-Saharan Africa	Upper middle	11	8,623	1,266

QI4SD Index (M group)





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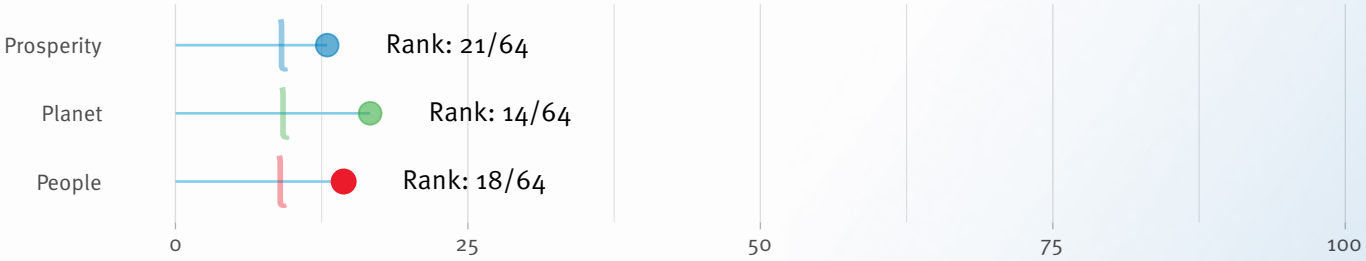


Vertical lines represent in–group median scores. Ranks are within GDP group (M)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Adopted ISO standards	Standards	17	16	Number
Adopted IEC standards	Standards	35	48	Number
Membership of IQNet	Conformity	57	1	Composite score

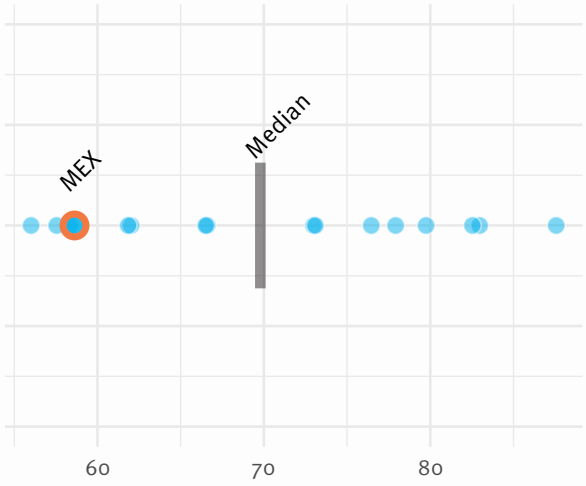
Weaknesses	Dimension	Rank	Value	Unit
Participation in key and supplementary comparisons	Metrology	85	5	Number
Number of recognised certificates (ISO)	Conformity	86	823	Number
Number of recognised certificates (IQNet)	Conformity	112	4	Number

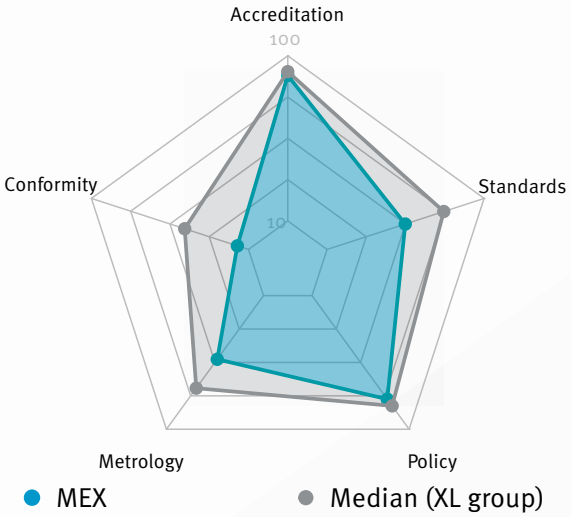
MEXICO

GDP GROUP RANK: 13/16 (XL)
OVERALL RANK: : 26/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Latin America & Caribbean	Upper middle	1,076	8,347	128,933

QI4SD Index (XL group)





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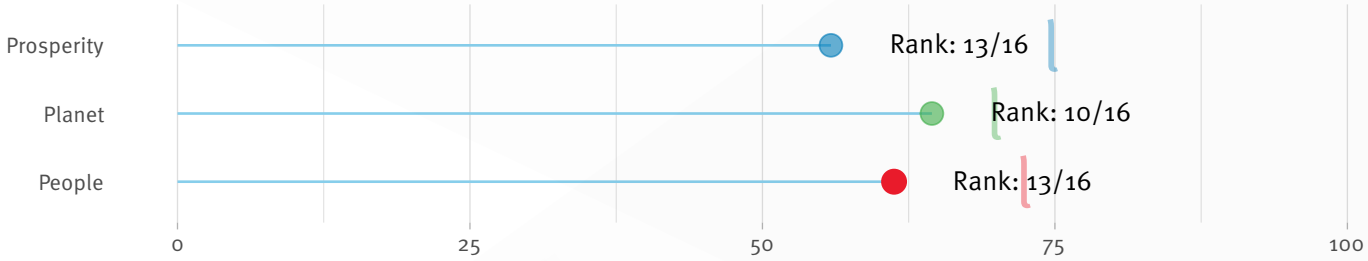


Vertical lines represent in–group median scores. Ranks are within GDP group (XL)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Number of CMCs	Metrology	9	783	Number
Breadth of CMCs	Metrology	10	37	Number of types
Participation in key and supplementary comparisons	Metrology	12	354	Number

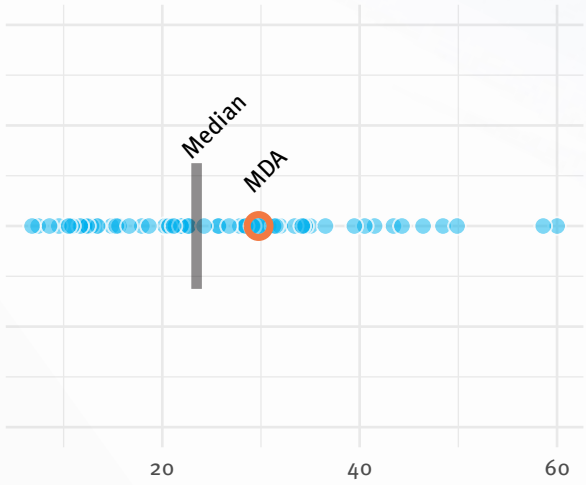
Weaknesses	Dimension	Rank	Value	Unit
Number of recognised certificates (IQNet)	Conformity	29	1,620	Number
Participation in IEC technical committees	Standards	39	114	Number
Participation in ISO technical committees	Standards	52	225	Number

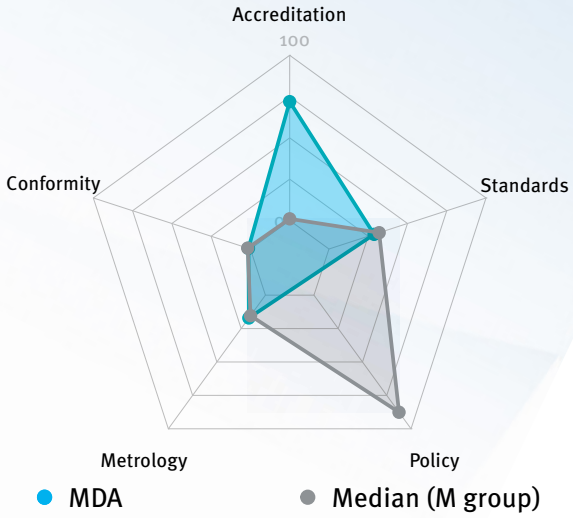
MOLDOVA

GDP GROUP RANK: 22/64 (M)
OVERALL RANK: 77/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Europe & Central Asia	Upper middle	12	4,551	2,618

QI4SD Index (M group)





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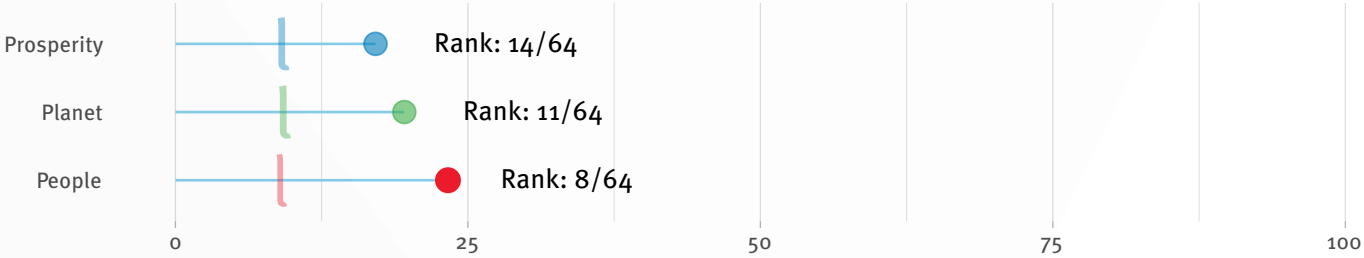


Vertical lines represent in–group median scores. Ranks are within GDP group (M)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Adopted IEC standards	Standards	22	91	Number
Adopted ISO standards	Standards	37	13	Number
Number of CMCs	Metrology	51	76	Number

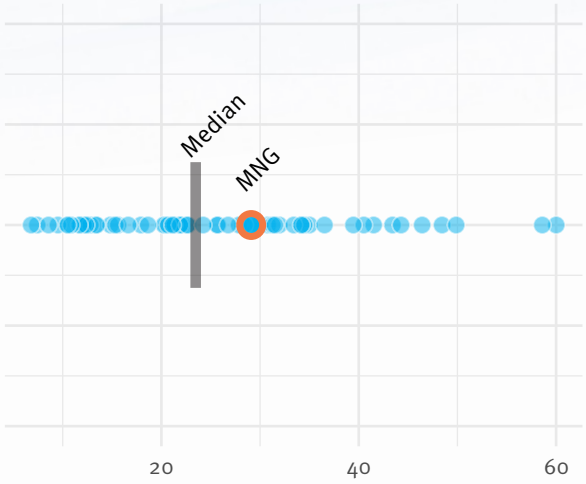
Weaknesses	Dimension	Rank	Value	Unit
Membership of ITU	Standards	79	1	Composite score
Participation in ISO technical committees	Standards	94	44	Number
Number of recognised certificates (ISO)	Conformity	127	110	Number

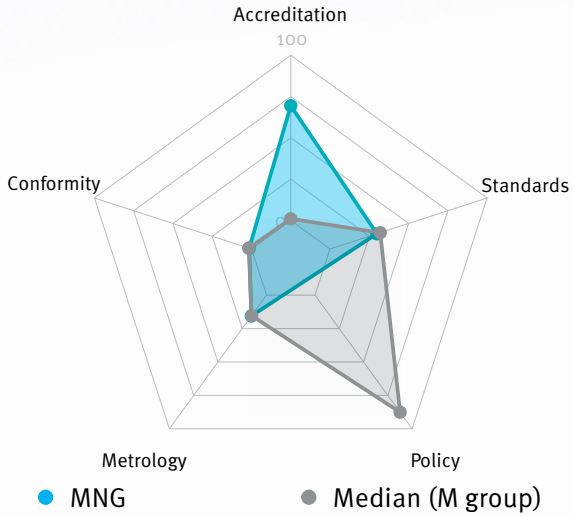
MONGOLIA

GDP GROUP RANK: 24/64 (M)
OVERALL RANK: 79/137

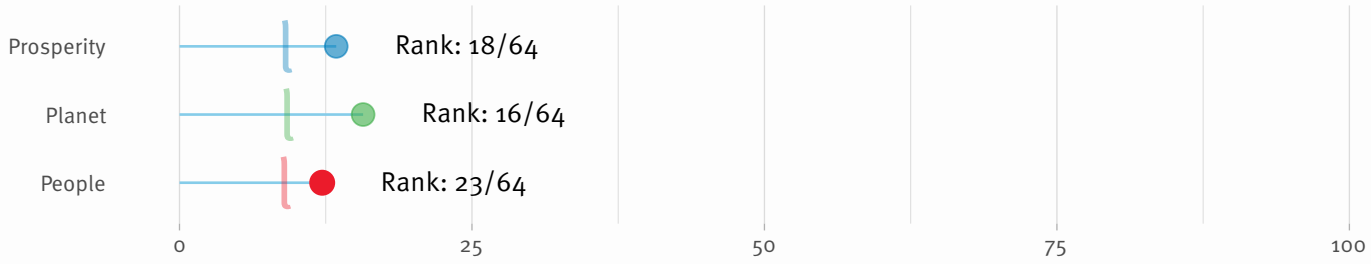
Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
East Asia & Pacific	Lower middle	13	4,007	3,278

QI4SD Index (M group)





P–Scores



Vertical lines represent in–group median scores. Ranks are within GDP group (M)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Adopted IEC standards	Standards	21	108	Number
Participation in ISO technical committees	Standards	45	287	Number
Membership of ITU	Standards	53	3	Composite score

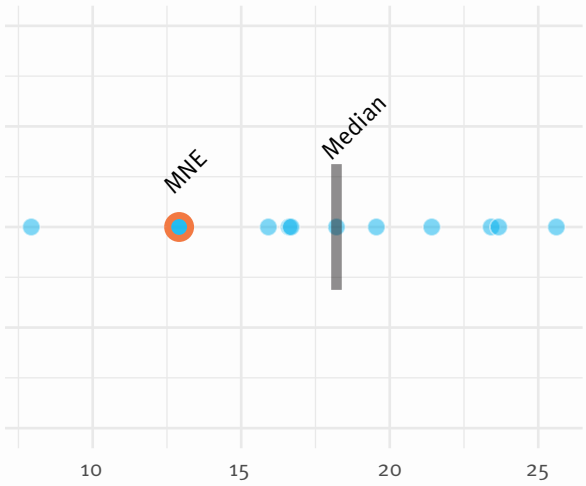
Weaknesses	Dimension	Rank	Value	Unit
Participation in key and supplementary comparisons	Metrology	81	8	Number
Number of recognised certificates (IQNet)	Conformity	108	8	Number
Number of recognised certificates (ISO)	Conformity	118	211	Number

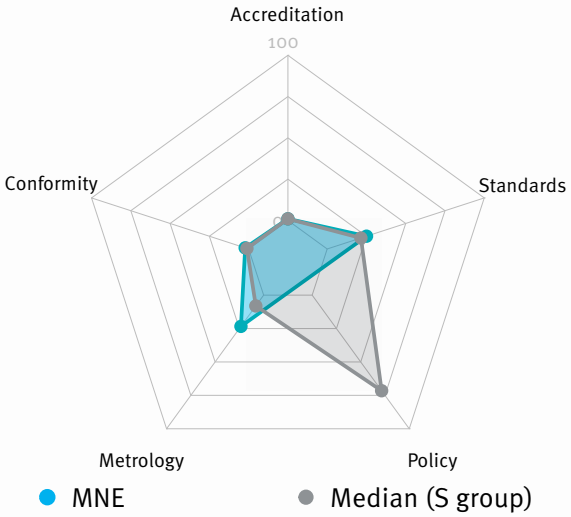
MONTENEGRO

GDP GROUP RANK: 10/11 (S)
OVERALL RANK: 123/137

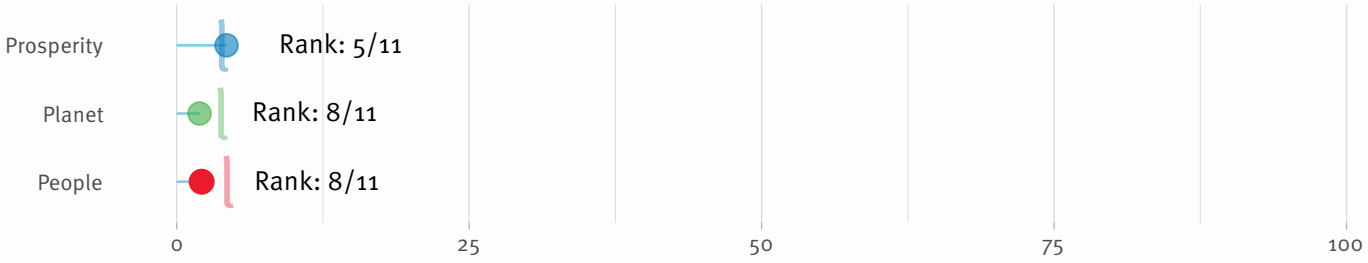
Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Europe & Central Asia	Upper middle	5	7,686	622

QI4SD Index (S group)





P–Scores



Vertical lines represent in–group median scores. Ranks are within GDP group (S)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Number of recognised certificates (IQNet)	Conformity	36	46	Number
Breadth of CMCs	Metrology	57	1	Number of types
Number of CMCs	Metrology	77	1,210	Number

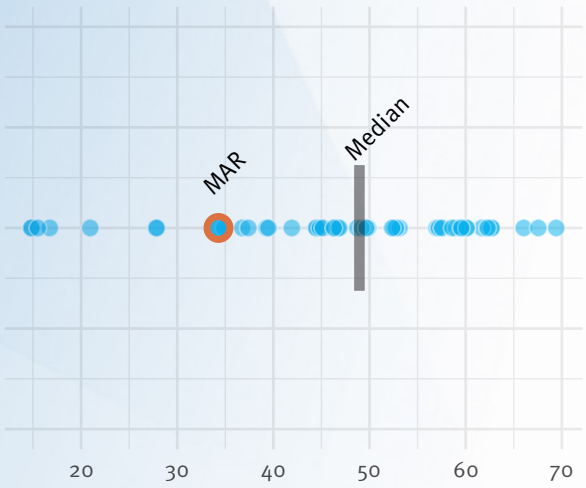
Weaknesses	Dimension	Rank	Value	Unit
Participation in key and supplementary comparisons	Metrology	72	16	Number
Participation in ISO technical committees	Standards	88	17	Number
Number of recognised certificates (ISO)	Conformity	108	308	Number

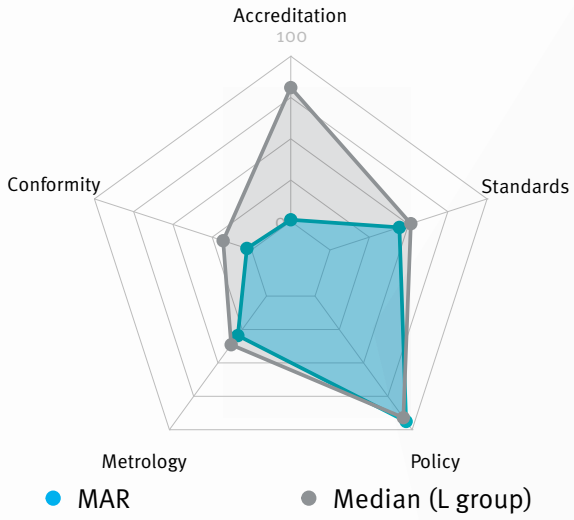
MOROCCO

GDP GROUP RANK: 39/46 (L)
OVERALL RANK: 68/137

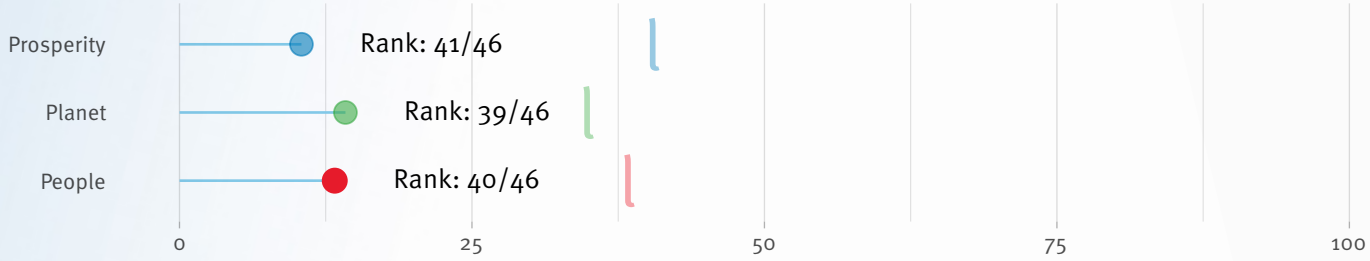
Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Middle East & North Africa	Lower middle	113	3,009	36,911

QI4SD Index (L group)





P–Scores



Vertical lines represent in–group median scores. Ranks are within GDP group (L)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Adopted ISO standards	Standards	7	18	Number
Membership of IQNet	Conformity	31	3	Composite score
Membership of ITU	Standards	53	3	Composite score

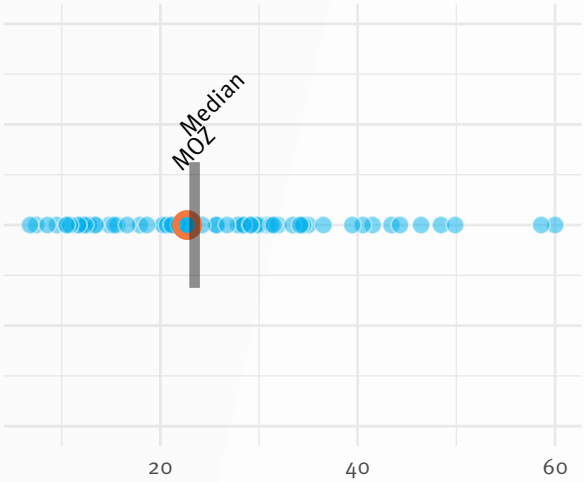
Weaknesses	Dimension	Rank	Value	Unit
Number of recognised certificates (ISO)	Conformity	74	1,310	Number
Number of CMCs	Metrology	79	1	Number
Participation in key and supplementary comparisons	Metrology	89	4	Number

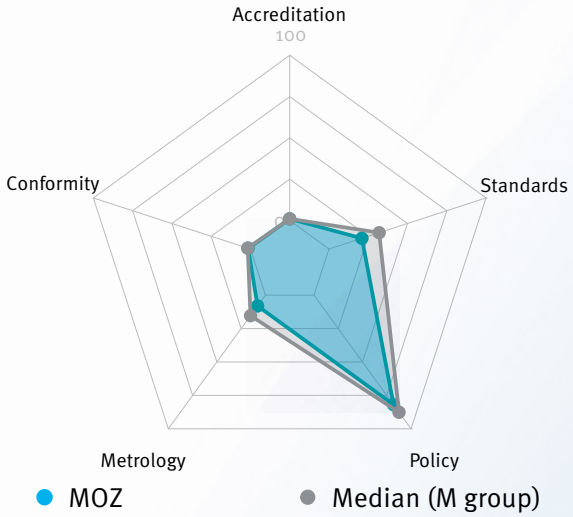
MOZAMBIQUE

GDP GROUP RANK: 33/64 (M)
OVERALL RANK: 93/137

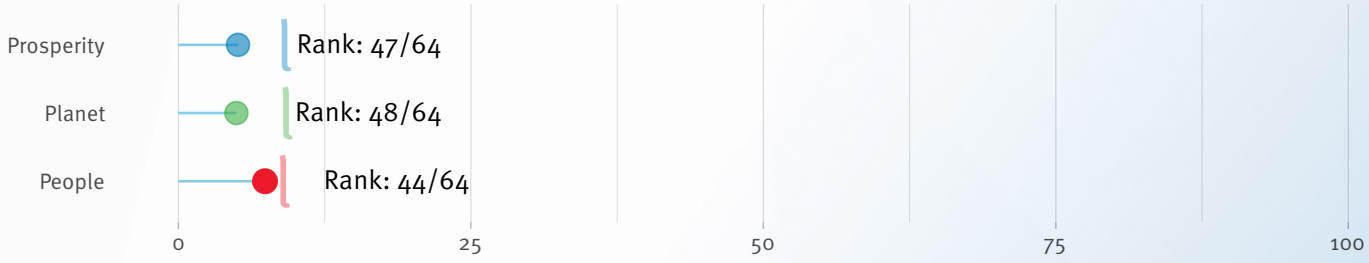
Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Sub-Saharan Africa	Low	14	449	31,255

QI4SD Index (M group)





P–Scores



Vertical lines represent in–group median scores. Ranks are within GDP group (M)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Membership of IQNet	Conformity	57	1	Composite score
Adopted ISO standards	Standards	63	8	Number
Number of recognised certificates (IQNet)	Conformity	78	82	Number

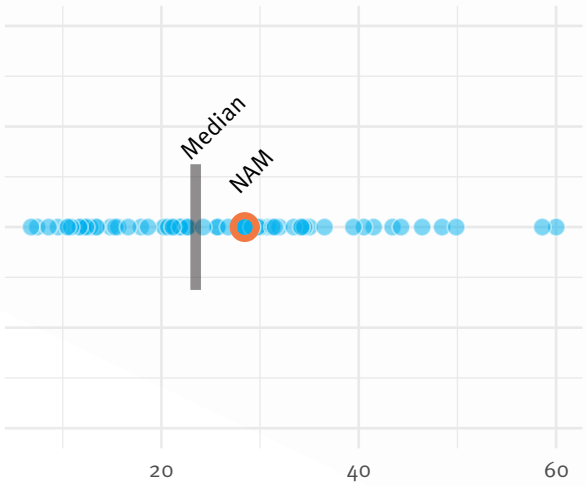
Weaknesses	Dimension	Rank	Value	Unit
Membership of ITU	Standards	79	1	Composite score
Participation in ISO technical committees	Standards	125	9	Number
Number of recognised certificates (ISO)	Conformity	129	86	Number

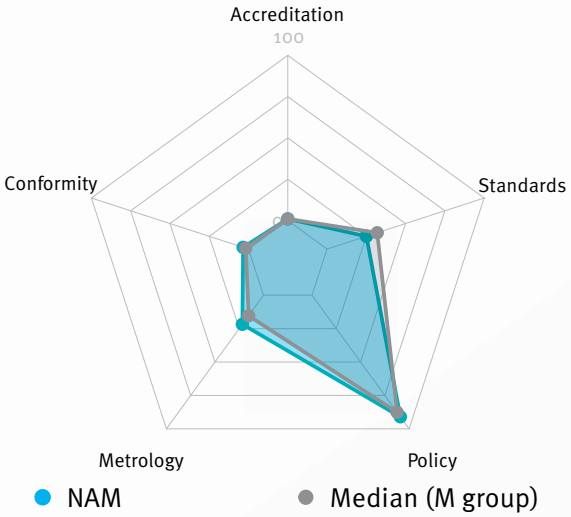
NAMIBIA

GDP GROUP RANK: 25/64 (M)
OVERALL RANK: 80/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Sub-Saharan Africa	Upper middle	11	4,211	2,541

QI4SD Index (M group)





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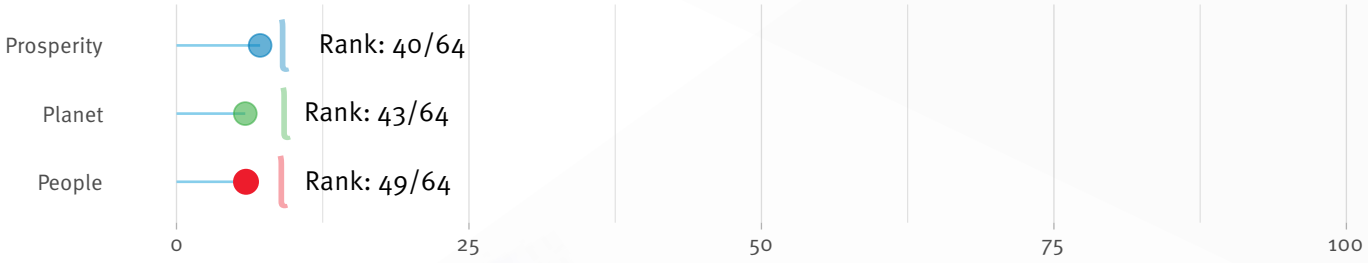


Vertical lines represent in–group median scores. Ranks are within GDP group (M)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
OIML-CS - number of services recognised	Metrology	10	50	Number
Adopted IEC standards	Standards	30	62	Number
Involvement in OIML project groups	Metrology	33	27	Composite score

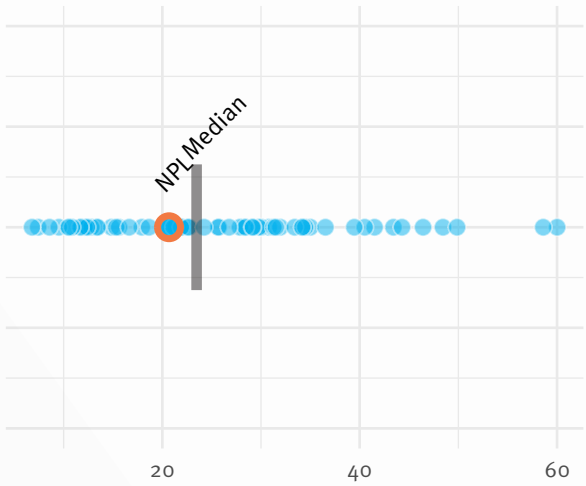
Weaknesses	Dimension	Rank	Value	Unit
Number of CMCs	Metrology	77	7	Number
Participation in key and supplementary comparisons	Metrology	92	3	Number
Participation in ISO technical committees	Standards	97	39	Number

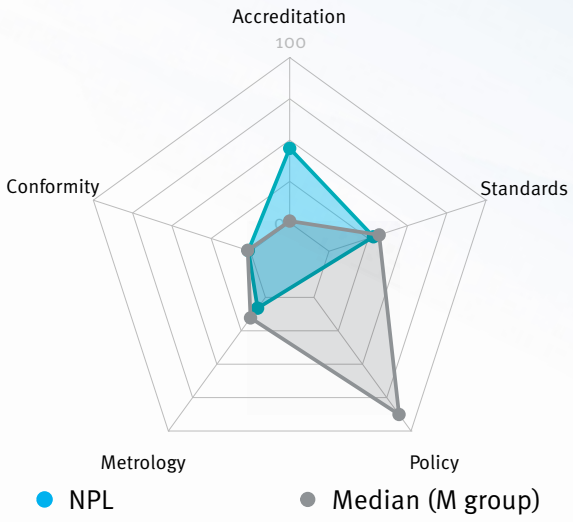
NEPAL

GDP GROUP RANK: 41/64 (M)
OVERALL RANK: 103/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
South Asia	Lower middle	34	1,155	29,137

QI4SD Index (M group)





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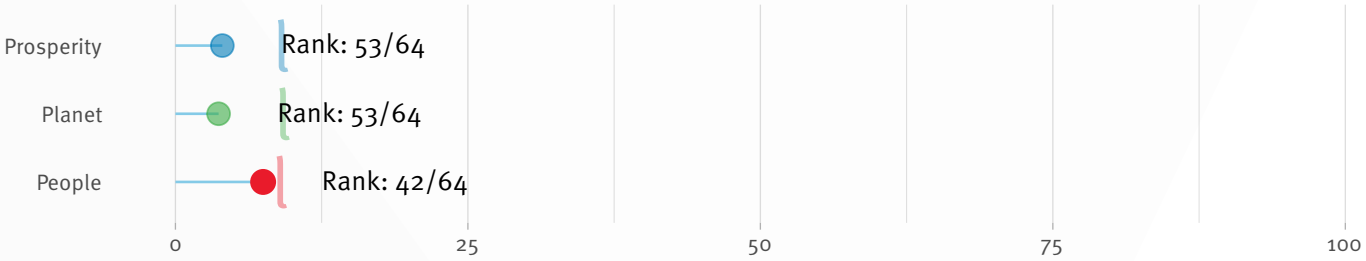


Vertical lines represent in–group median scores. Ranks are within GDP group (M)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Membership of ITU	Standards	36	5	Composite score
Number of recognised certificates (IQNet)	Conformity	80	75	Number
Number of recognised certificates (ISO)	Conformity	100	472	Number

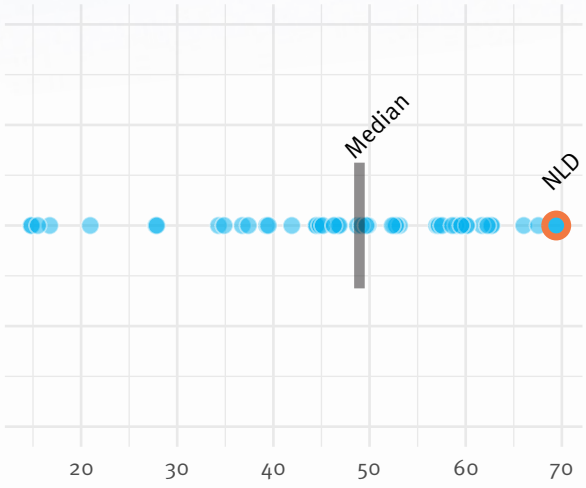
Weaknesses	Dimension	Rank	Value	Unit
Number of recognised certificates (IQNet)	Conformity	80	75	Number
Number of recognised certificates (ISO)	Conformity	100	472	Number
Participation in ISO technical committees	Standards	120	13	Number

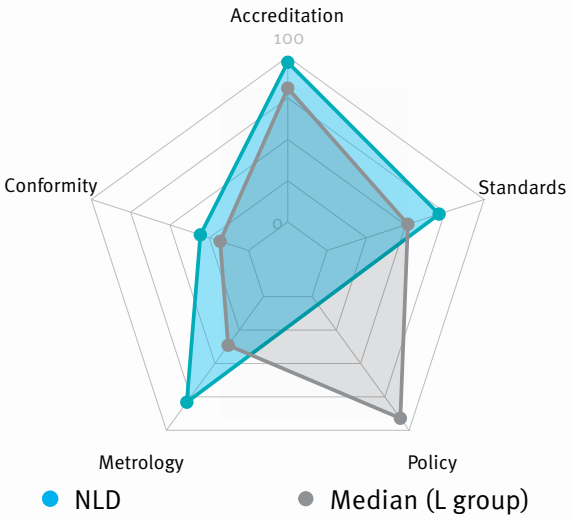
NETHERLANDS

GDP GROUP RANK: 1/46 (L)
OVERALL RANK: 9/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Europe & Central Asia	High	914	52,397	17,441

QI4SD Index (L group)





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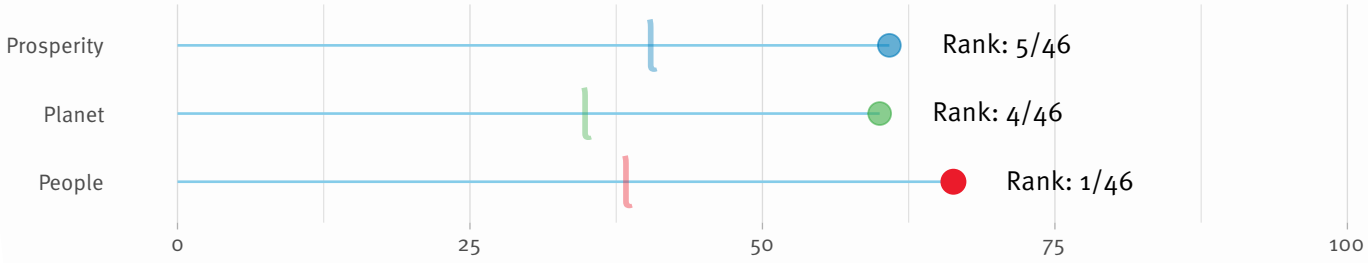


Vertical lines represent in–group median scores. Ranks are within GDP group (L)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Scopes of IAF accreditation bodies	Accreditation	3	13	Number
OIML-CS - number of services recognised	Metrology	3	71	Number
Number of CMCs	Metrology	10	773	Number

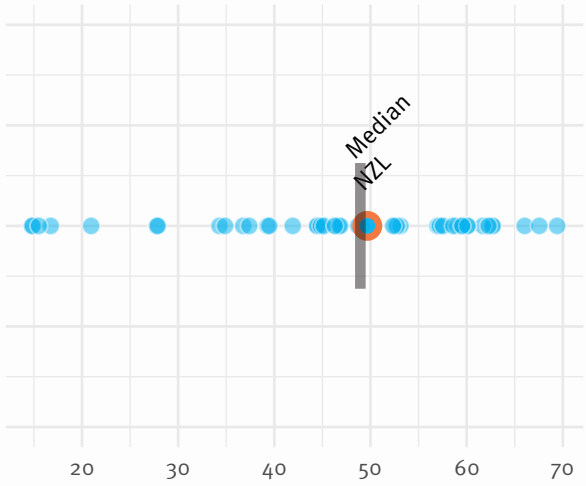
Weaknesses	Dimension	Rank	Value	Unit
Number of recognised certificates (ISO)	Conformity	25	9,640	Number
Adopted ISO standards	Standards	32	14	Number
Number of recognised certificates (IQNet)	Conformity	54	342	Number

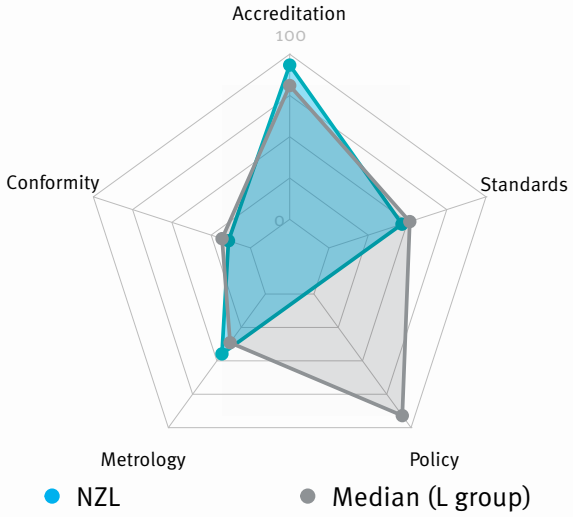
NEW ZEALAND

GDP GROUP RANK: 22/46 (L)
OVERALL RANK: 41/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
East Asia & Pacific	High	211	41,478	5,084

QI4SD Index (L group)





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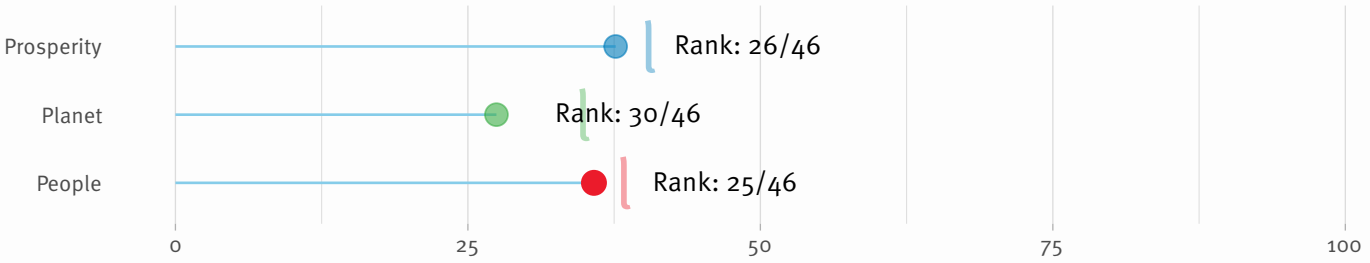


Vertical lines represent in–group median scores. Ranks are within GDP group (L)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
OIML-CS - number of services recognised	Metrology	15	41	Number
Scopes of IAF accreditation bodies	Accreditation	19	11	Number
Participation in BIPM Consultative Committees	Metrology	24	8	Number

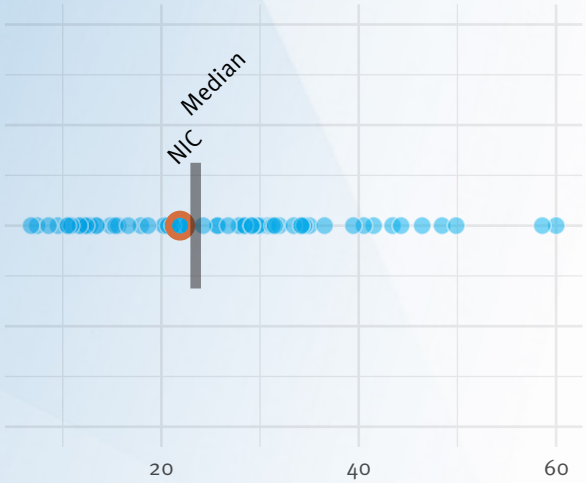
Weaknesses	Dimension	Rank	Value	Unit
Membership of ITU	Standards	77	2	Composite score
Adopted ISO standards	Standards	81	4	Number
Number of recognised certificates (IQNet)	Conformity	96	24	Number

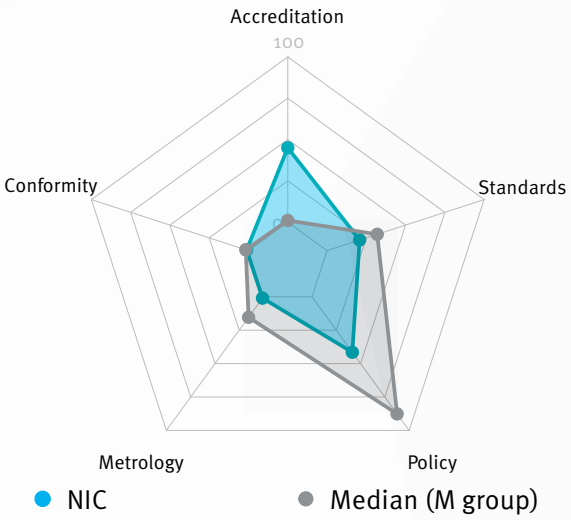
NICARAGUA

GDP GROUP RANK: 37/64 (M)
OVERALL RANK: 97/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Latin America & Caribbean	Lower middle	13	1,905	6,625

QI4SD Index (M group)





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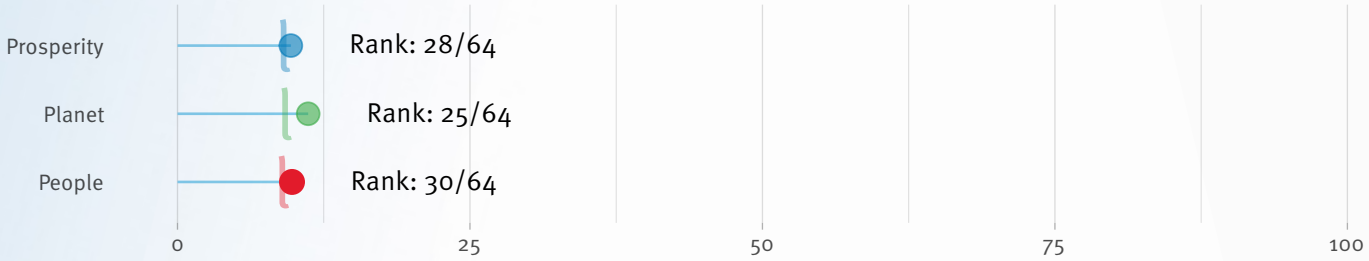


Vertical lines represent in–group median scores. Ranks are within GDP group (M)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Adopted ISO standards	Standards	63	8	Number
Number of recognised certificates (IQNet)	Conformity	81	74	Number
Number of recognised certificates (ISO)	Conformity	120	188	Number

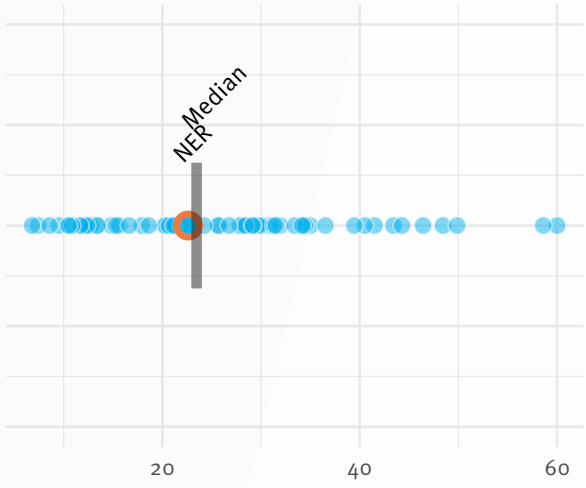
Weaknesses	Dimension	Rank	Value	Unit
Adopted ISO standards	Standards	63	8	Number
Number of recognised certificates (IQNet)	Conformity	81	74	Number
Number of recognised certificates (ISO)	Conformity	120	188	Number

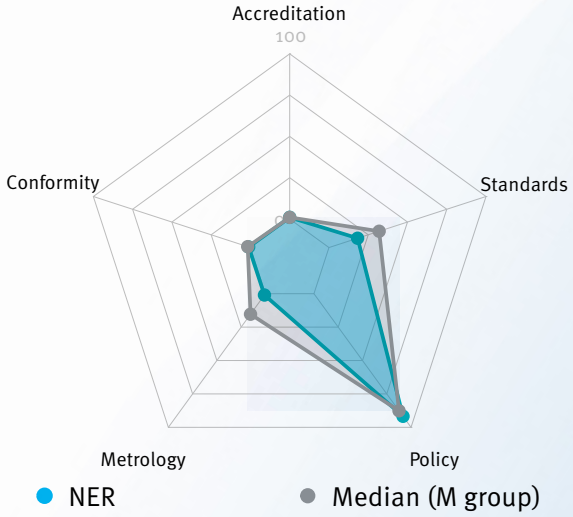
NIGER

GDP GROUP RANK: 34/64 (M)
OVERALL RANK: 94/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Sub-Saharan Africa	Low	14	565	24,207

QI4SD Index (M group)





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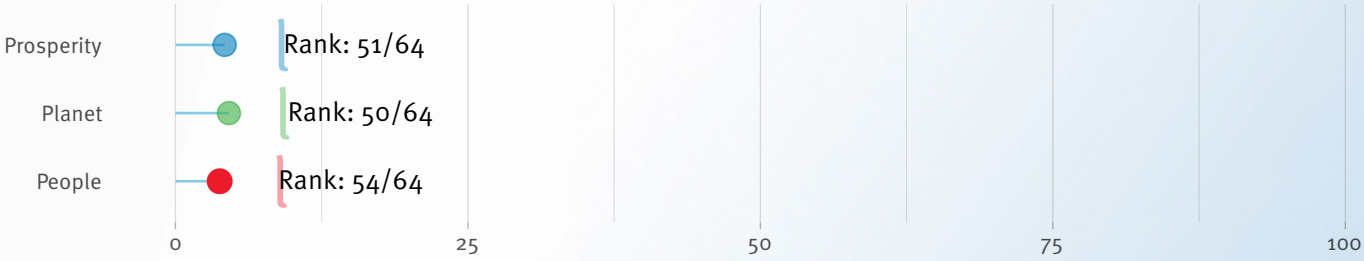


Vertical lines represent in–group median scores. Ranks are within GDP group (M)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Adopted IEC standards	Standards	31	58	Number
Adopted ISO standards	Standards	73	6	Number
Number of recognised certificates (ISO)	Conformity	113	278	Number

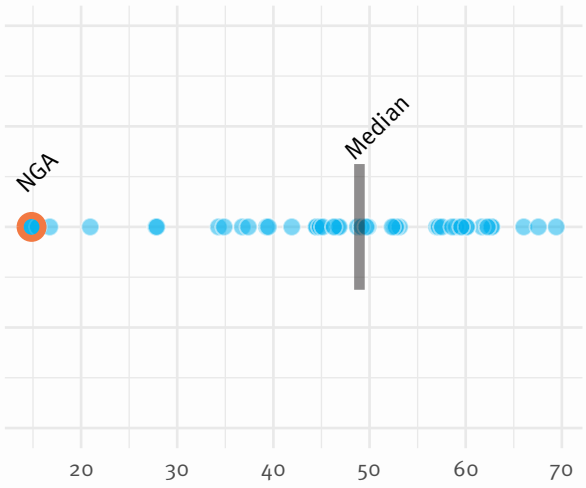
Weaknesses	Dimension	Rank	Value	Unit
Adopted ISO standards	Standards	73	6	Number
Number of recognised certificates (ISO)	Conformity	113	278	Number
Participation in ISO technical committees	Standards	126	8	Number

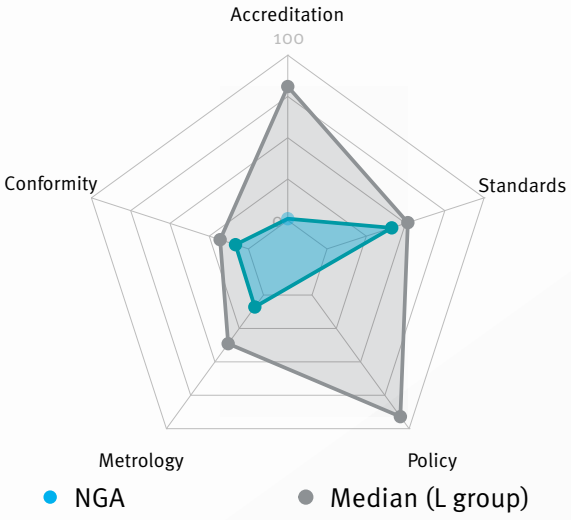
NIGERIA

GDP GROUP RANK: 45/46 (L)
OVERALL RANK: 118/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Sub-Saharan Africa	Lower middle	423	2,097	206,140

QI4SD Index (L group)





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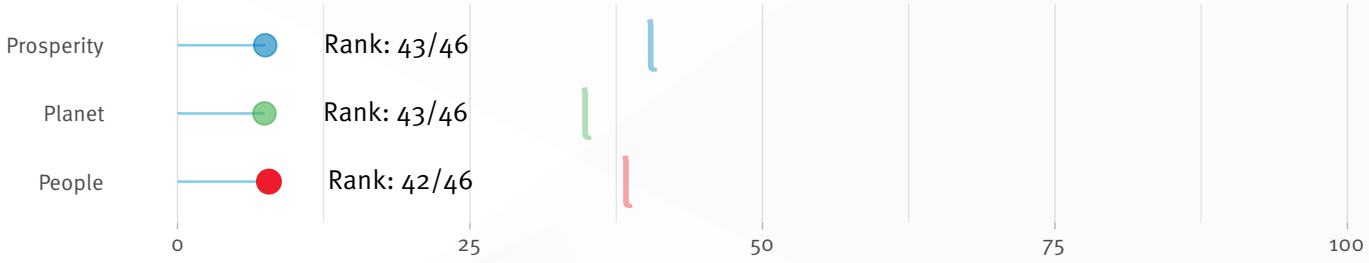


Vertical lines represent in–group median scores. Ranks are within GDP group (L)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Adopted ISO standards	Standards	32	14	Number
Adopted IEC standards	Standards	37	33	Number
Membership of ITU	Standards	41	4	Composite score

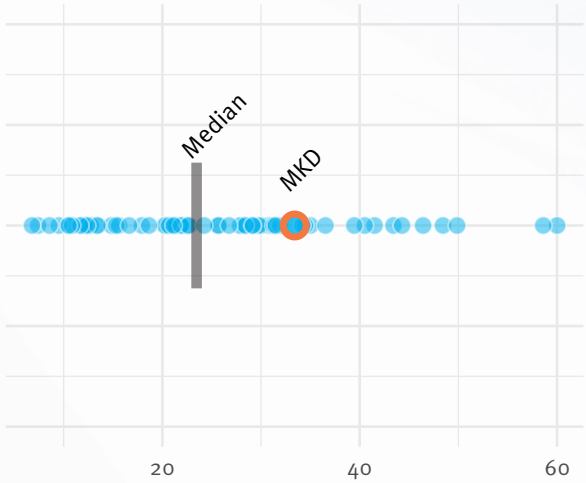
Weaknesses	Dimension	Rank	Value	Unit
Participation in ISO technical committees	Standards	64	151	Number
Participation in IEC technical committees	Standards	71	4	Number
Number of recognised certificates (ISO)	Conformity	83	852	Number

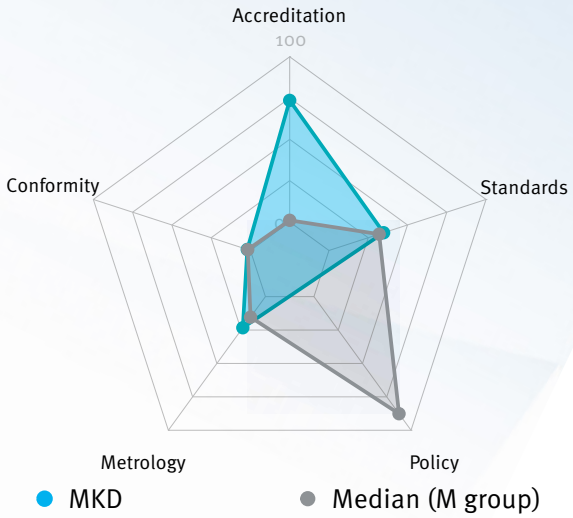
NORTH MACEDONIA

GDP GROUP RANK: 16/64 (M)
OVERALL RANK: 71/137

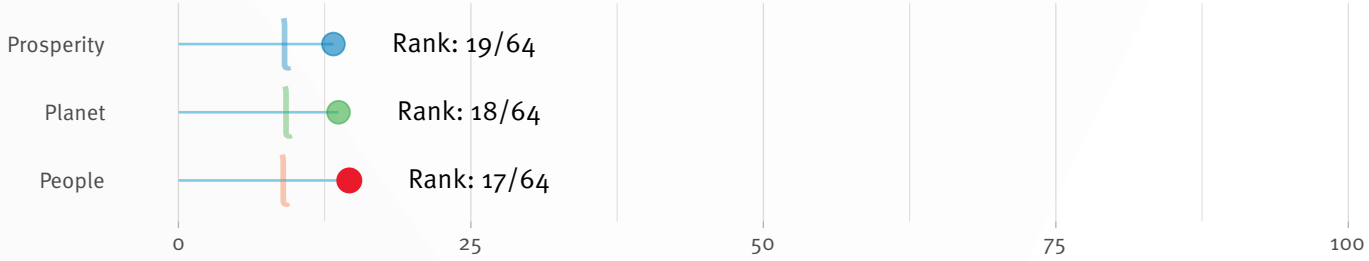
Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Europe & Central Asia	Upper middle	12	5,888	2,083

QI4SD Index (M group)





P–Scores



Vertical lines represent in–group median scores. Ranks are within GDP group (M)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Scopes of IAF accreditation bodies	Accreditation	57	1	Number
Membership of IQNet	Conformity	63	8	Composite score
Participation in IEC technical committees	Standards	78	82	Number

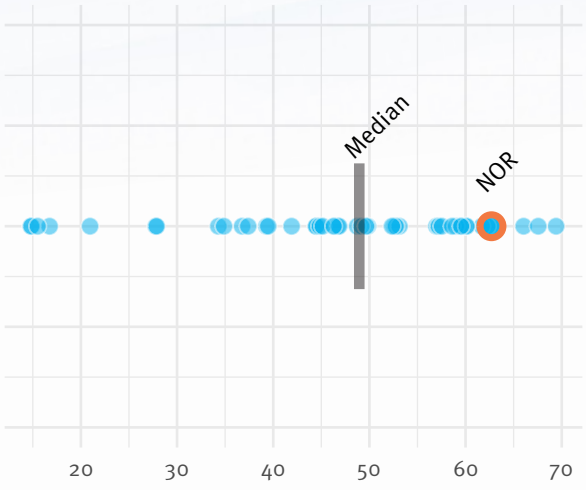
Weaknesses	Dimension	Rank	Value	Unit
Membership of ITU	Standards	79	1	Composite score
Number of recognised certificates (ISO)	Conformity	88	797	Number
Participation in ISO technical committees	Standards	112	22	Number

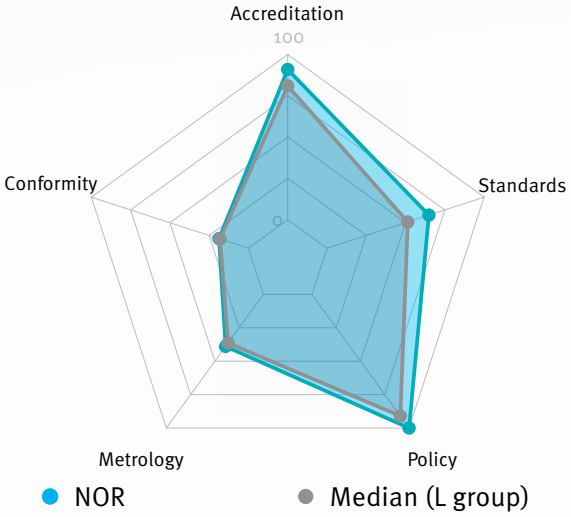
NORWAY

GDP GROUP RANK: 4/46 (L))
OVERALL RANK: 14/137

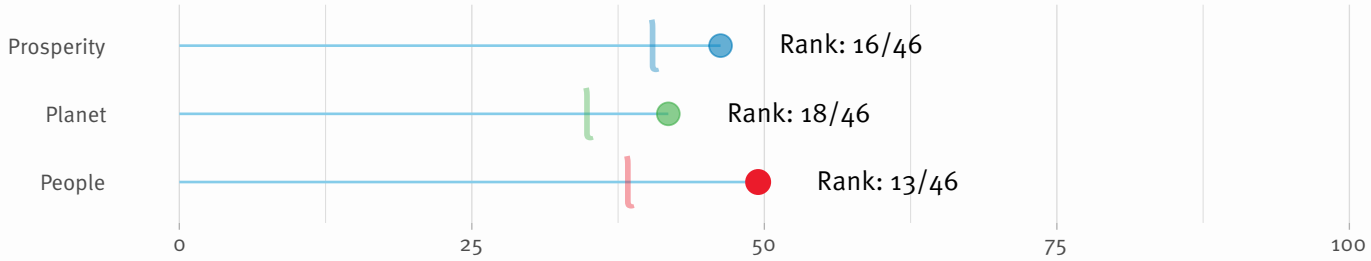
Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Europe & Central Asia	High	363	67,390	5,379

QI4SD Index (L group)





P–Scores



Vertical lines represent in–group median scores. Ranks are within GDP group (L)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Scopes of IAF accreditation bodies	Accreditation	5	12	Number
Participation in IEC technical committees	Standards	19	249	Number
Number of IECEE certificates recognised	Conformity	21	78	Number

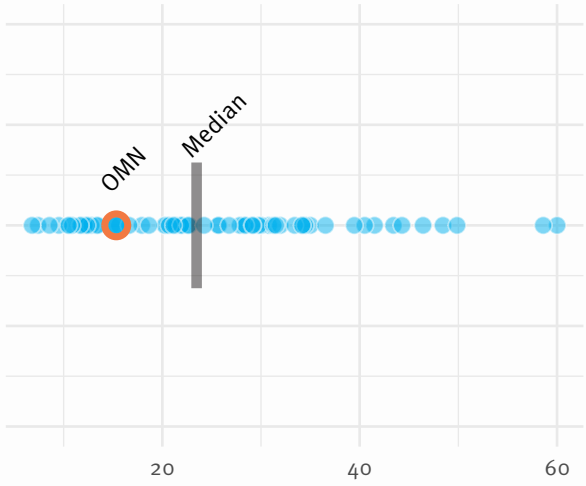
Weaknesses	Dimension	Rank	Value	Unit
Number of CMCs	Metrology	43	126	Number
Number of recognised certificates (ISO)	Conformity	44	4,900	Number
Breadth of CMCs	Metrology	51	410	Number of types

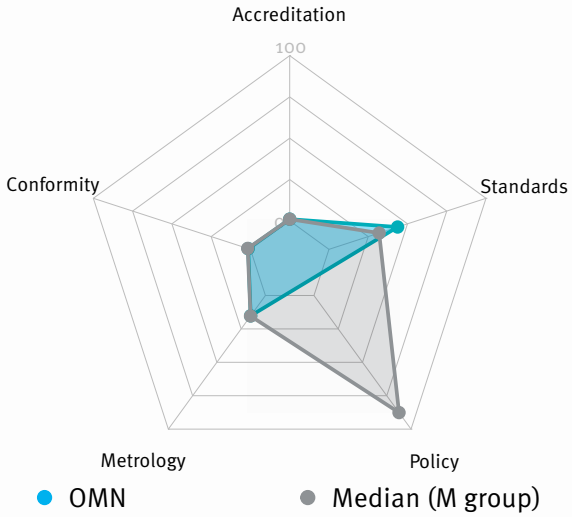
OMAN

GDP GROUP RANK: 48/64 (M)
OVERALL RANK: 117/137

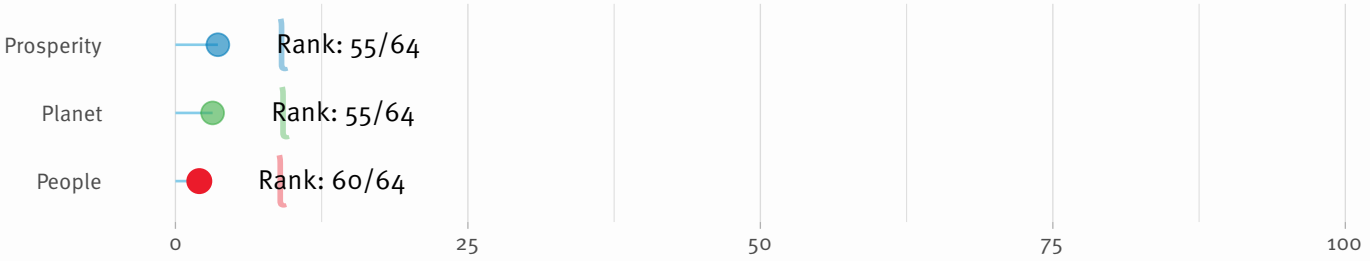
Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Middle East & North Africa	High	76	15,343	5,107

QI4SD Index (M group)





P–Scores



Vertical lines represent in–group median scores. Ranks are within GDP group (M)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Membership of ITU	Standards	21	9	Composite score
Participation in IEC technical committees	Standards	52	24	Number
Number of recognised certificates (ISO)	Conformity	79	976	Number

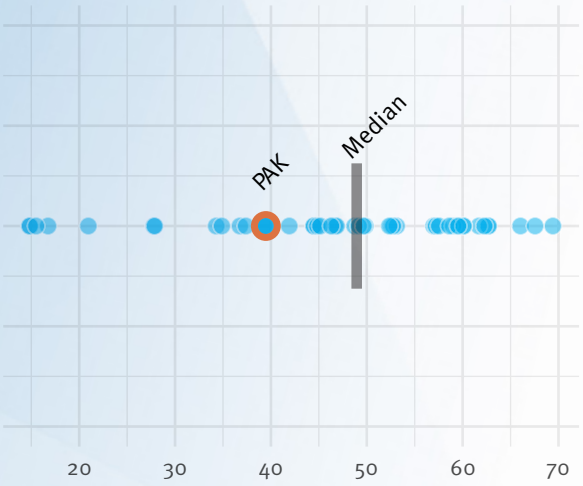
Weaknesses	Dimension	Rank	Value	Unit
Participation in key and supplementary comparisons	Metrology	95	2	Number
Participation in ISO technical committees	Standards	104	28	Number
Number of recognised certificates (IQNet)	Conformity	117	3	Number

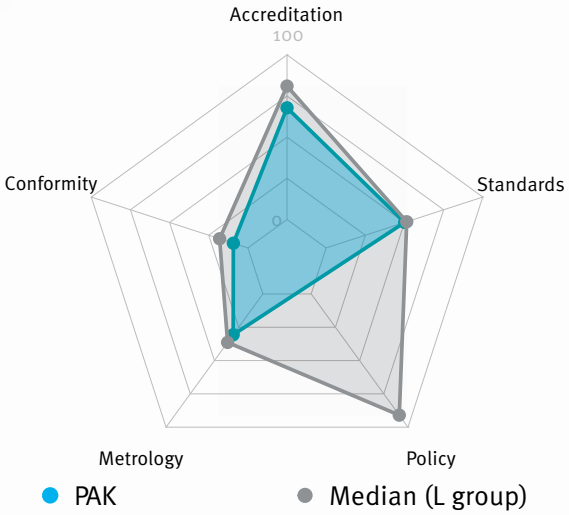
PAKISTAN

GDP GROUP RANK: 34/46 (L)
OVERALL RANK: 59/137

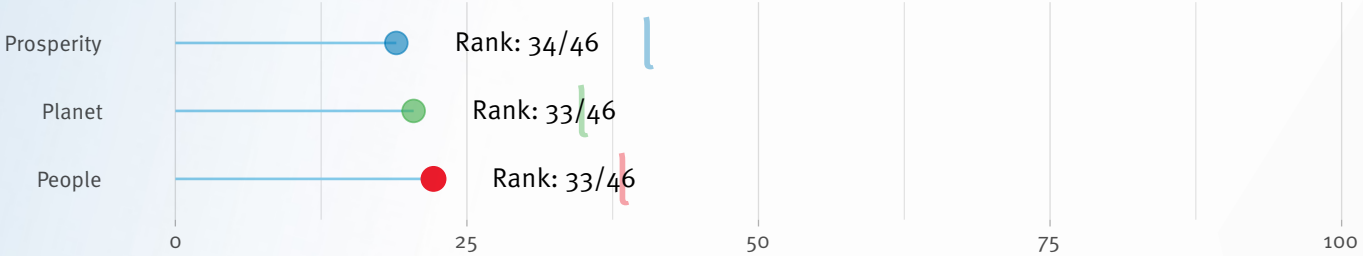
Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
South Asia	Lower middle	264	1,194	220,892

QI4SD Index (L group)





P–Scores



Vertical lines represent in–group median scores. Ranks are within GDP group (L)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Involvement in OIML project groups	Metrology	42	11	Composite score
Participation in IEC technical committees	Standards	43	104	Number
Membership of IQNet	Conformity	46	2	Composite score

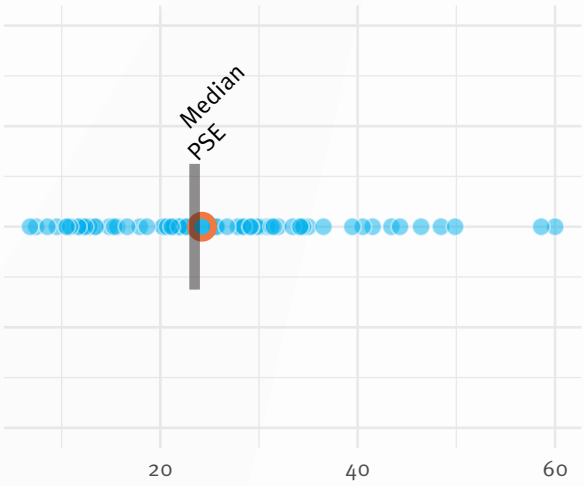
Weaknesses	Dimension	Rank	Value	Unit
Scopes of IAF accreditation bodies	Accreditation	62	3	Number
Participation in key and supplementary comparisons	Metrology	83	6	Number
Number of recognised certificates (IQNet)	Conformity	91	34	Number

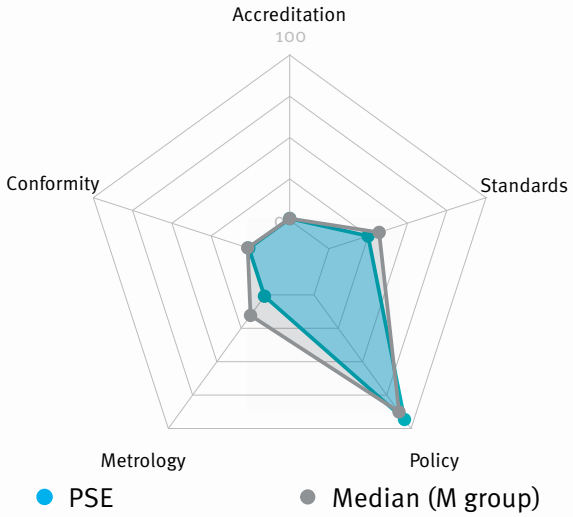
PALESTINE , State of

GDP GROUP RANK: 32/64 (M)
OVERALL RANK: 90/137

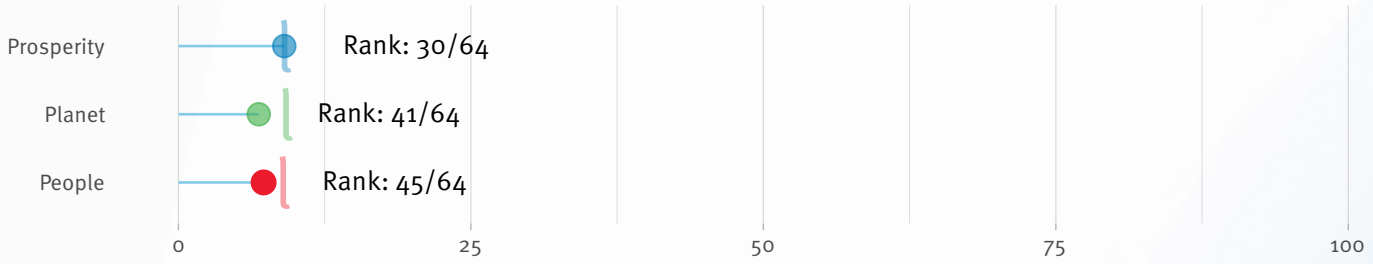
Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Middle East & North Africa	Lower middle	16	3,240	4,803

QI4SD Index (M group)





P–Scores



Vertical lines represent in–group median scores. Ranks are within GDP group (M)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Adopted IEC standards	Standards	13	213	Number
Adopted ISO standards	Standards	51	10	Number
Participation in ISO technical committees	Standards	118	16	Number

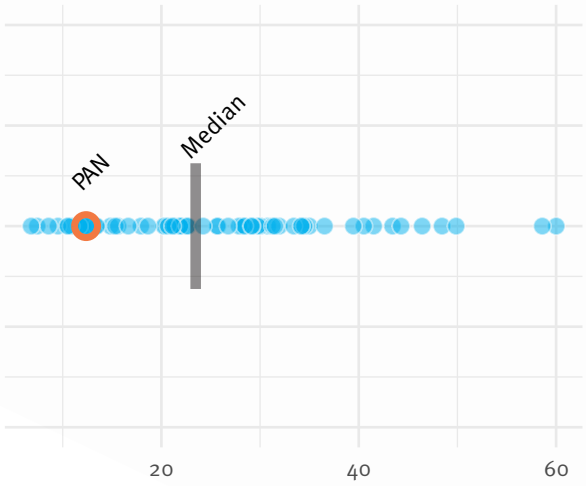
Weaknesses	Dimension	Rank	Value	Unit
Adopted ISO standards	Standards	51	10	Number
Participation in ISO technical committees	Standards	118	16	Number
Number of recognised certificates (ISO)	Conformity	133	48	Number

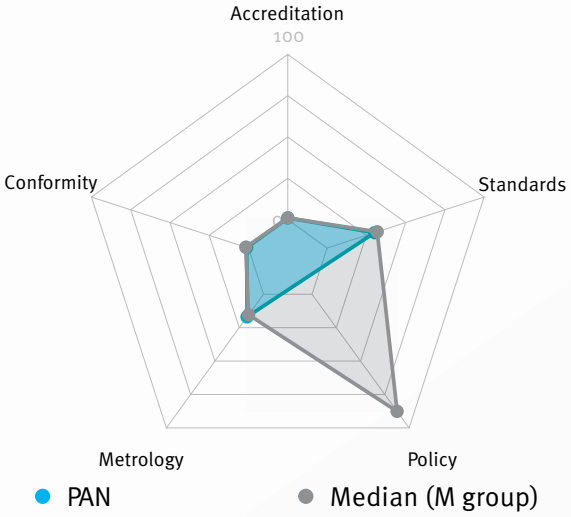
PANAMA

GDP GROUP RANK: : 54/64 (M
OVERALL RANK: 126/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Latin America & Caribbean	Upper middle	53	12,269	4,315

QI4SD Index (M group)





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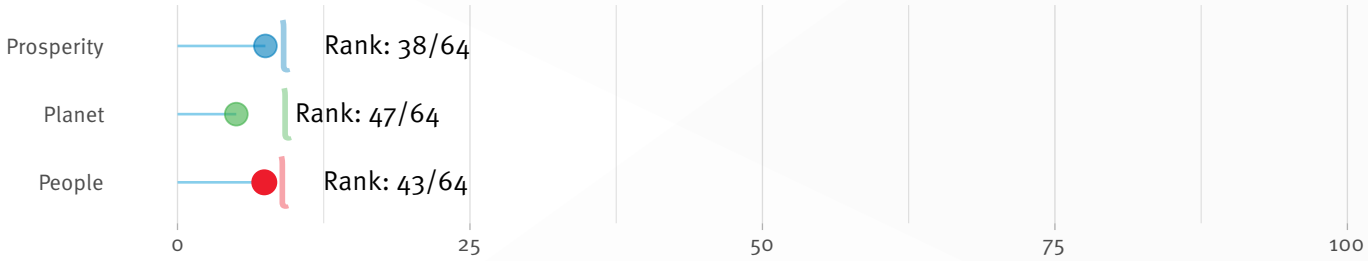


Vertical lines represent in–group median scores. Ranks are within GDP group (M)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Breadth of CMCs	Metrology	58	5	Number of types
Participation in key and supplementary comparisons	Metrology	59	33	Number
Number of CMCs	Metrology	59	37	Number

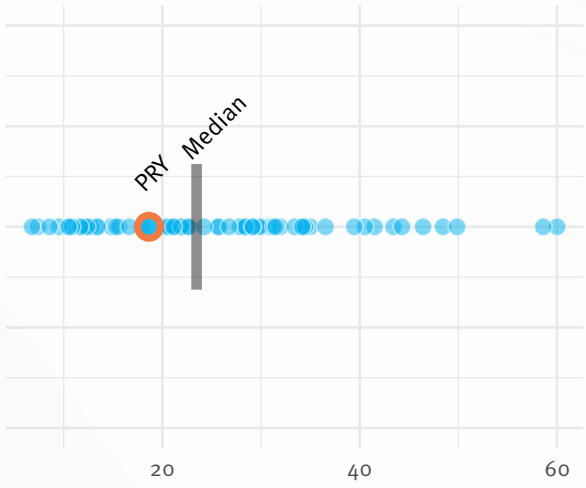
Weaknesses	Dimension	Rank	Value	Unit
Membership of ITU	Standards	79	1	Composite score
Number of recognised certificates (IQNet)	Conformity	89	43	Number
Number of recognised certificates (ISO)	Conformity	115	263	Number

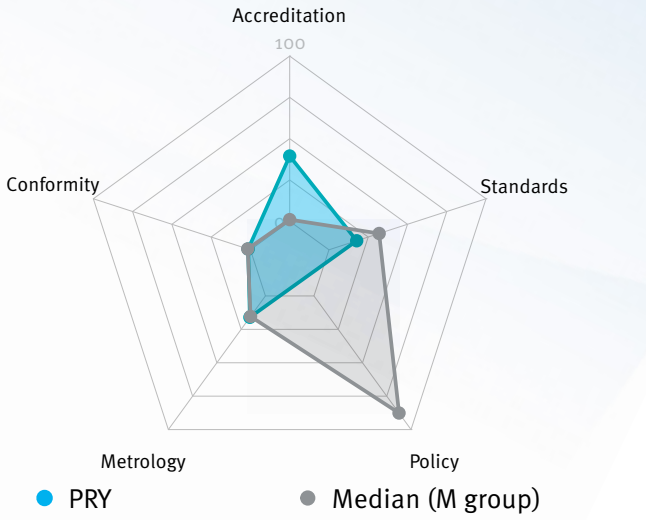
PARAGUAY

GDP GROUP RANK: 44/64 (M)
OVERALL RANK: 107/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Latin America & Caribbean	Upper middle	35	4,950	7,133

QI4SD Index (M group)





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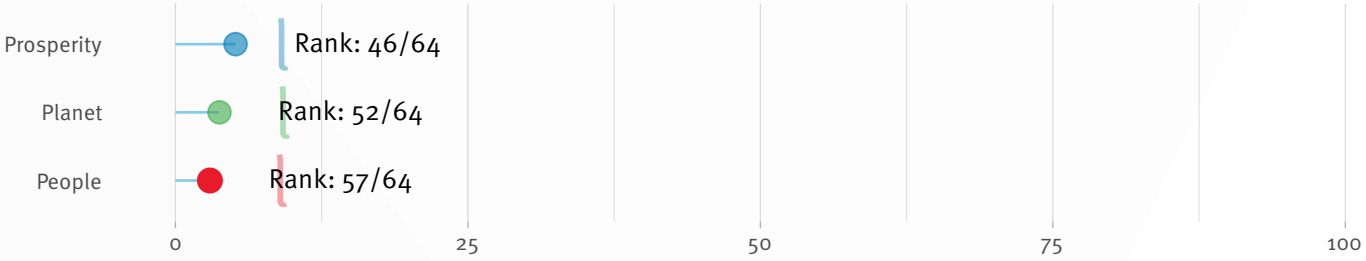


Vertical lines represent in–group median scores. Ranks are within GDP group (M)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Participation in key and supplementary comparisons	Metrology	68	21	Number
Breadth of CMCs	Metrology	72	2	Number of types
Number of CMCs	Metrology	76	8	Number

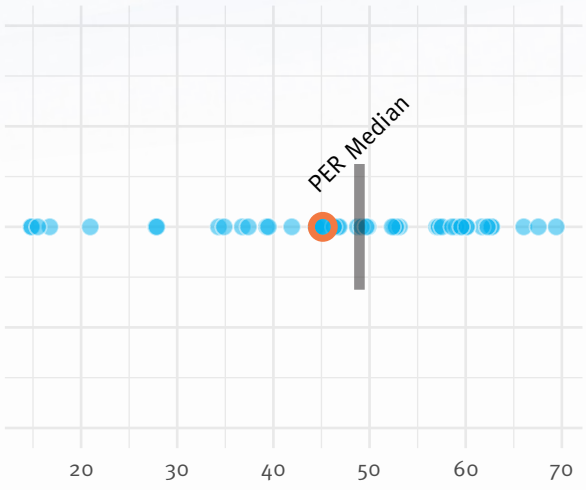
Weaknesses	Dimension	Rank	Value	Unit
Membership of ITU	Standards	79	1	Composite score
Number of recognised certificates (ISO)	Conformity	82	897	Number
Number of recognised certificates (IQNet)	Conformity	93	30	Number

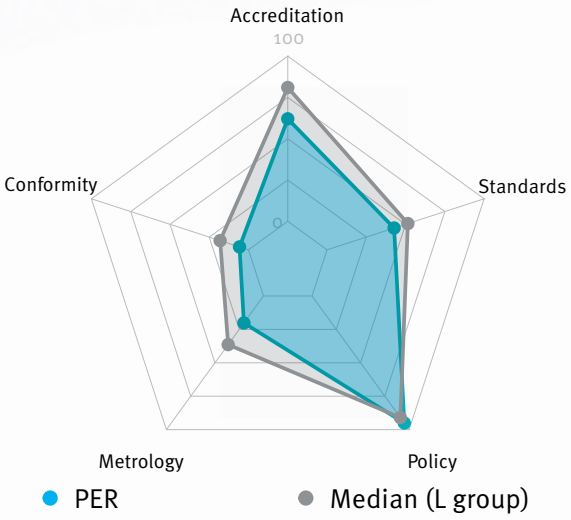
PERU

GDP GROUP RANK: : 29/46 (L)
OVERALL RANK: 50/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Latin America & Caribbean	Upper middle	202	6,127	32,972

QI4SD Index (L group)





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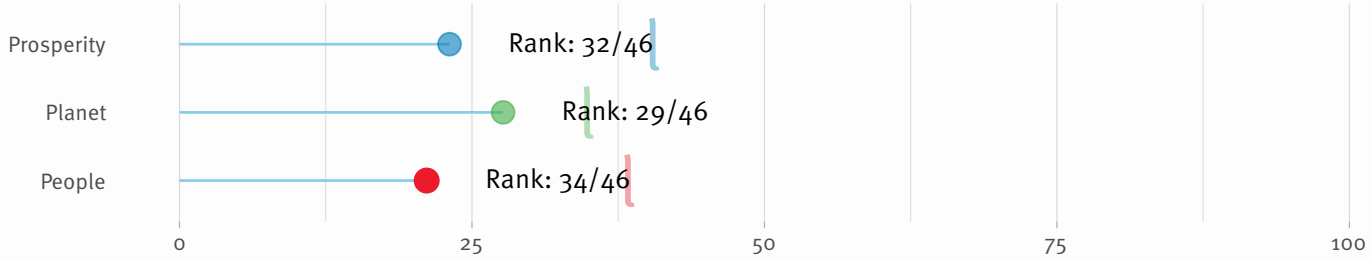


Vertical lines represent in–group median scores. Ranks are within GDP group (L)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Adopted ISO standards	Standards	17	16	Number
Membership of IQNet	Conformity	31	3	Composite score
Number of recognised certificates (IQNet)	Conformity	32	1,180	Number

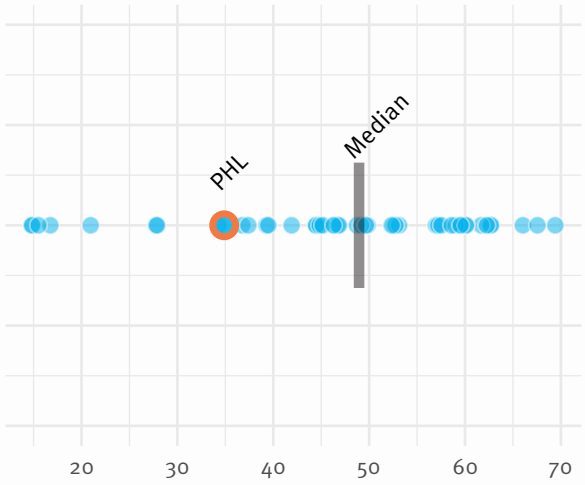
Weaknesses	Dimension	Rank	Value	Unit
Participation in IEC technical committees	Standards	63	6	Number
Scopes of IAF accreditation bodies	Accreditation	67	2	Number
Participation in ISO technical committees	Standards	71	112	Number

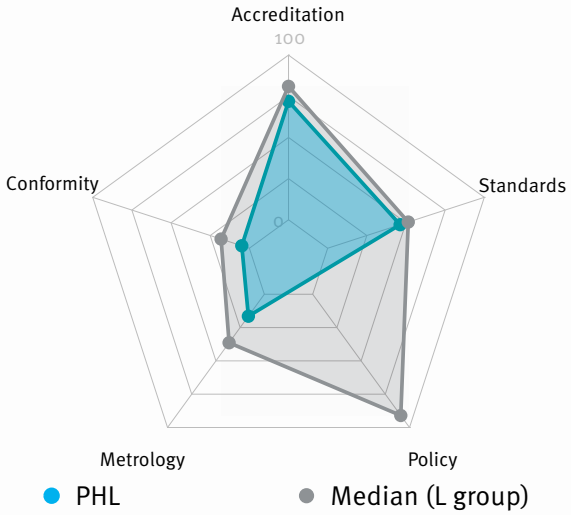
PHILIPPINES

GDP GROUP RANK: 38/46 (L)
OVERALL RANK: 66/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
East Asia & Pacific	Lower middle	361	3,299	109,581

QI4SD Index (L group)





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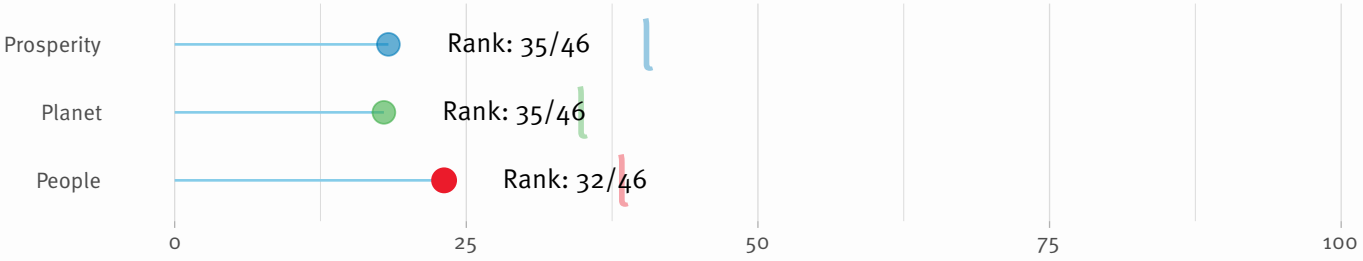


Vertical lines represent in–group median scores. Ranks are within GDP group (L)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Number of recognised certificates (ISO)	Conformity	38	6,090	Number
Number of recognised certificates (IQNet)	Conformity	47	506	Number
Participation in IEC technical committees	Standards	49	39	Number

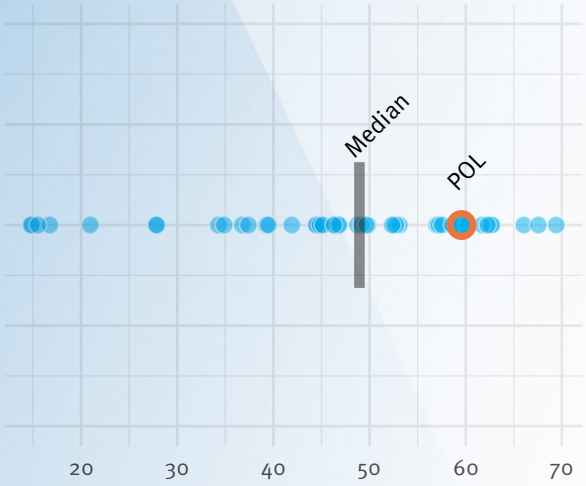
Weaknesses	Dimension	Rank	Value	Unit
Scopes of IAF accreditation bodies	Accreditation	62	3	Number
Breadth of CMCs	Metrology	65	3	Number of types
Participation in key and supplementary comparisons	Metrology	66	23	Number

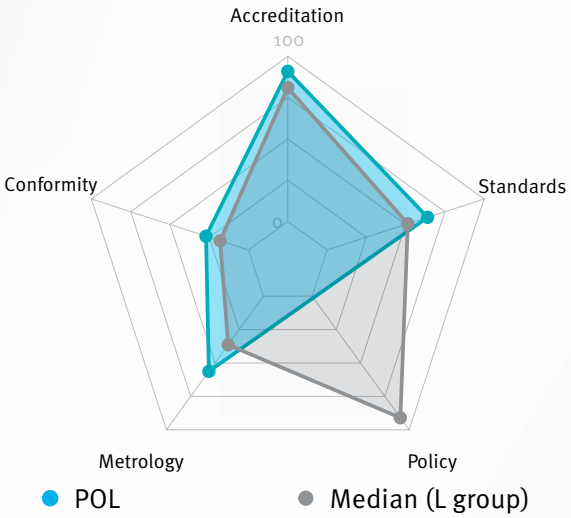
POLAND

GDP GROUP RANK: 10/46 (L)
OVERALL RANK: 23/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Europe & Central Asia	High	594	15,656	37,951

QI4SD Index (L group)





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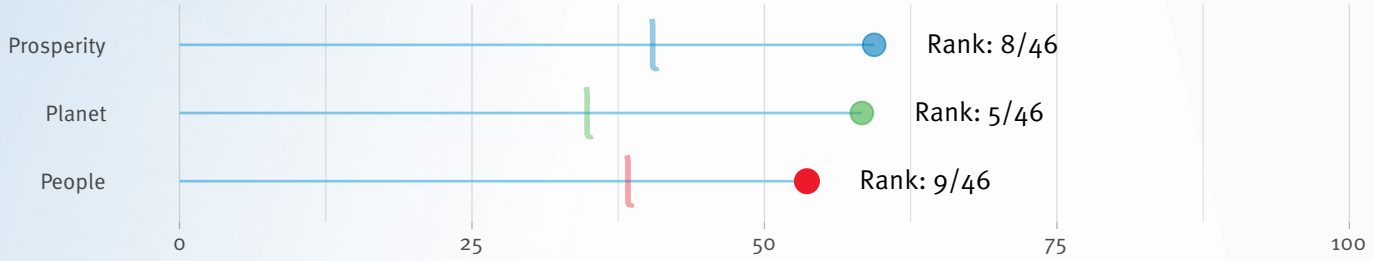


Vertical lines represent in–group median scores. Ranks are within GDP group (L)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Scopes of IAF accreditation bodies	Accreditation	5	12	Number
Membership of IQNet	Conformity	13	8	Composite score
Number of recognised certificates (ISO)	Standards	14	15,400	Number

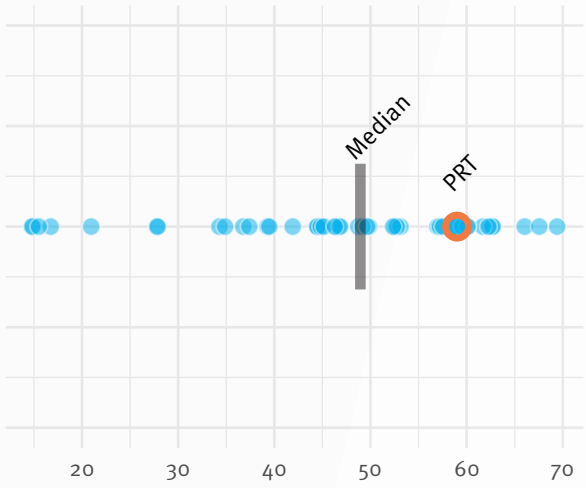
Weaknesses	Dimension	Rank	Value	Unit
Membership of ITU	Standards	25	8	Composite score
Number of IECEE certificates recognised	Standards	28	16	Number
Adopted ISO standards	Standards	43	12	Number

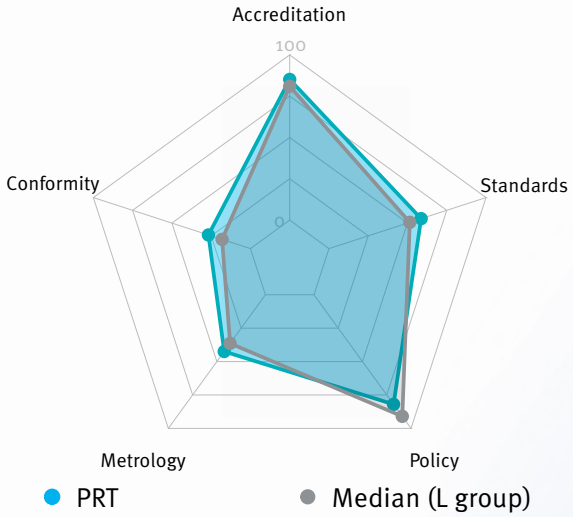
PORTUGAL

GDP GROUP RANK: 12/46 (L)
OVERALL RANK: 25/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Europe & Central Asia	High	231	22,437	10,306

QI4SD Index (L group)





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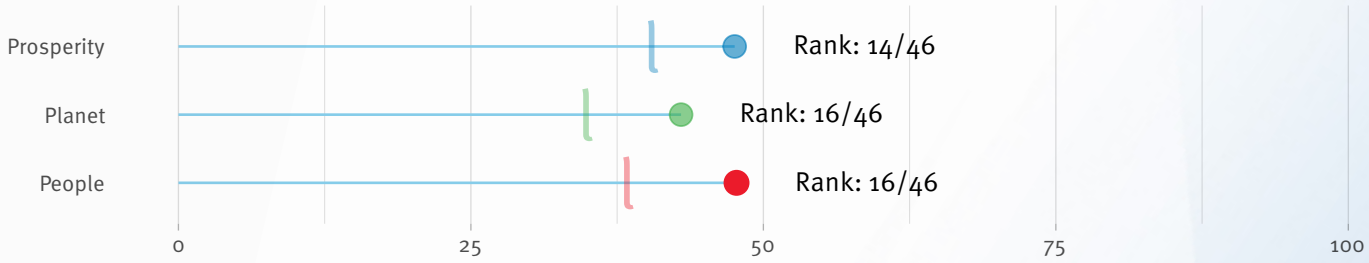


Vertical lines represent in–group median scores. Ranks are within GDP group (L)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Membership of IQNet	Conformity	6	23	Composite score
Scopes of IAF accreditation bodies	Accreditation	15	11	Number
Number of recognised certificates (IQNet)	Conformity	16	5,040	Number

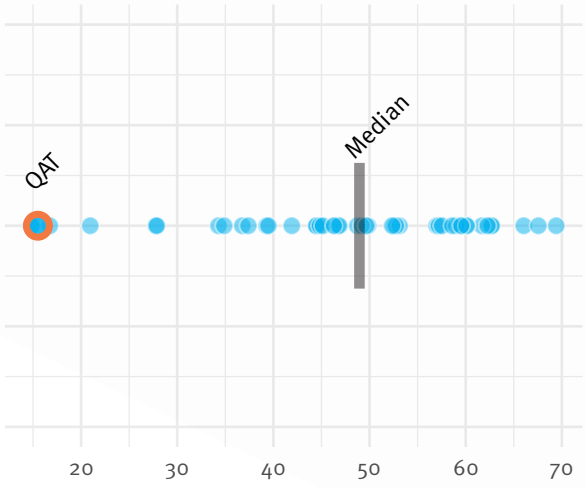
Weaknesses	Dimension	Rank	Value	Unit
Breadth of CMCs	Metrology	42	16	Number of types
Adopted ISO standards	Standards	43	12	Number
Membership of ITU	Standards	53	3	Composite score

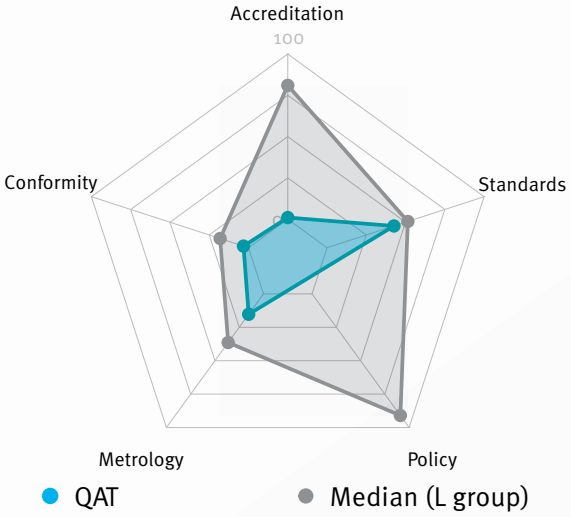
QATAR

GDP GROUP RANK: 44/46 (L)
OVERALL RANK: 116/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Middle East & North Africa	High	146	50,805	2,881

QI4SD Index (L group)





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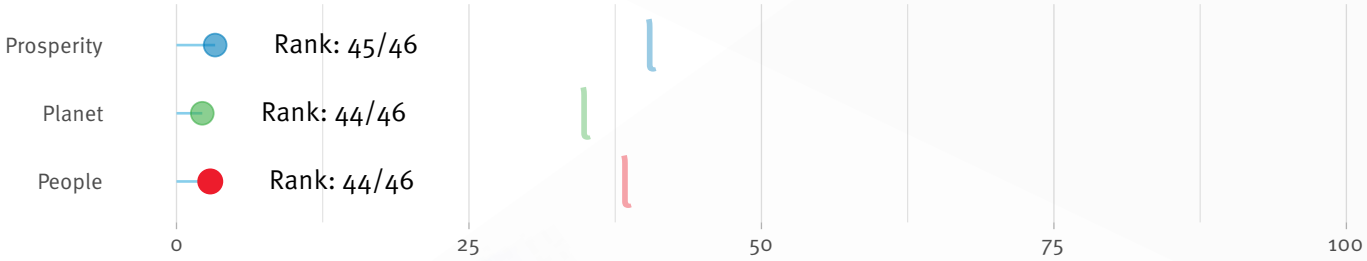


Vertical lines represent in–group median scores. Ranks are within GDP group (L)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Membership of ITU	Standards	528	7	Composite score
Membership of IQNet	Conformity	46	2	Composite score
Number of recognised certificates (ISO)	Conformity	60	2,530	Number

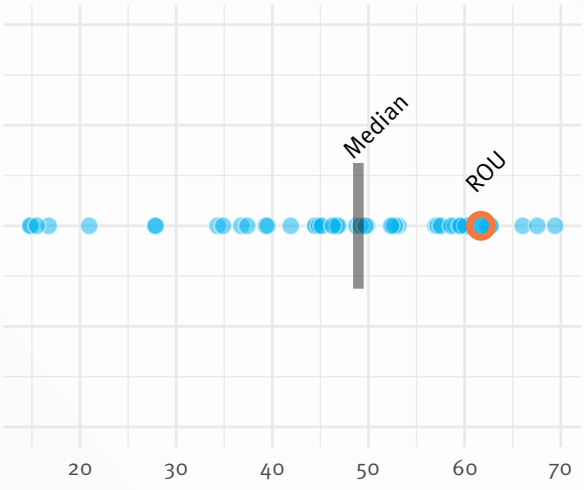
Weaknesses	Dimension	Rank	Value	Unit
Participation in IEC technical committees	Standards	76	3	Number
Participation in key and supplementary comparisons	Metrology	85	5	Number
Participation in ISO technical committees	Standards	91	57	Number

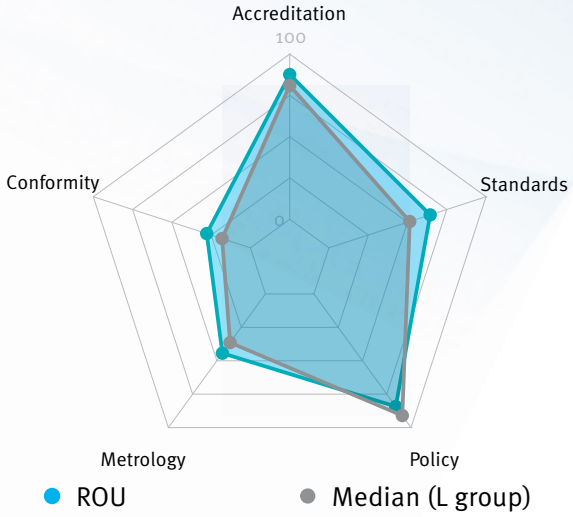
ROMANIA

GDP GROUP RANK: 7/46 (L)
OVERALL RANK: 19/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Europe & Central Asia	Upper middle	249	12,896	19,286

QI4SD Index (L group)





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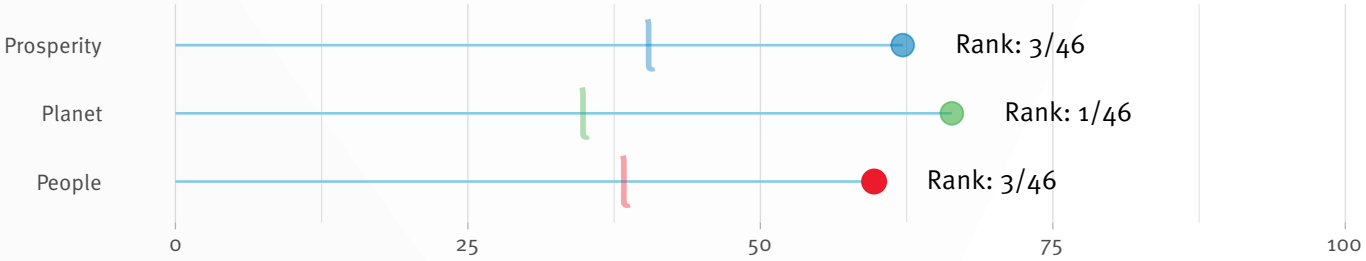


Vertical lines represent in–group median scores. Ranks are within GDP group (L)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Number of recognised certificates (IQNet)	Conformity	7	9,680	Number
Number of recognised certificates (ISO)	Conformity	17	14,500	Number
Adopted ISO standards	Standards	17	16	Number

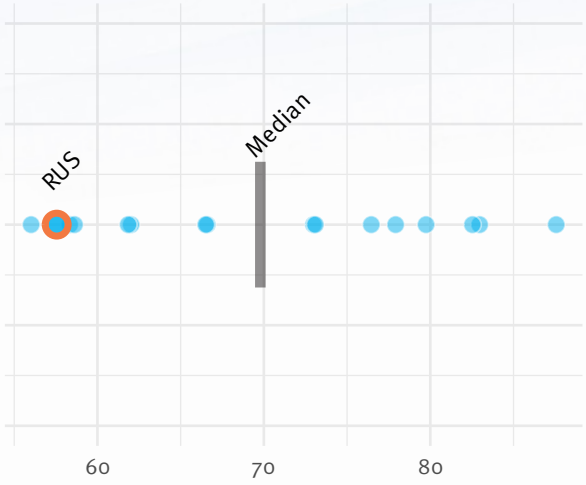
Weaknesses	Dimension	Rank	Value	Unit
Number of CMCs	Metrology	35	232	Number
Participation in BIPM Consultative Committees	Metrology	36	2	Number
Membership of ITU	Standards	53	3	Composite score

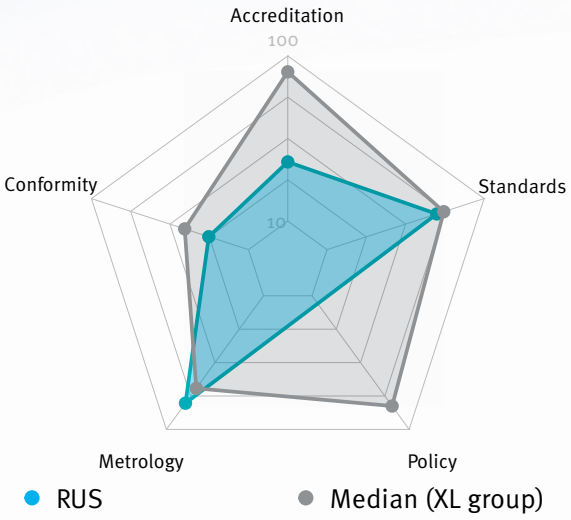
RUSSIAN FEDERATION

GDP GROUP RANK: 15/16 (XL)
OVERALL RANK: 30/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Europe & Central Asia	Upper middle	1,483	10,127	144,104

QI4SD Index (XL group)





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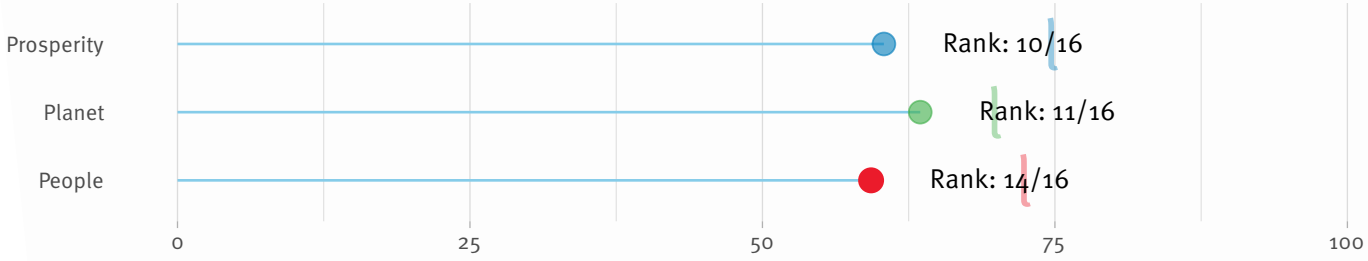


Vertical lines represent in–group median scores. Ranks are within GDP group (XL)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Participation in BIPM Consultative Committees	Metrology	1	20	Number
Number of CMCs	Metrology	1	1,830	Number
Breadth of CMCs	Metrology	3	44	Number of types

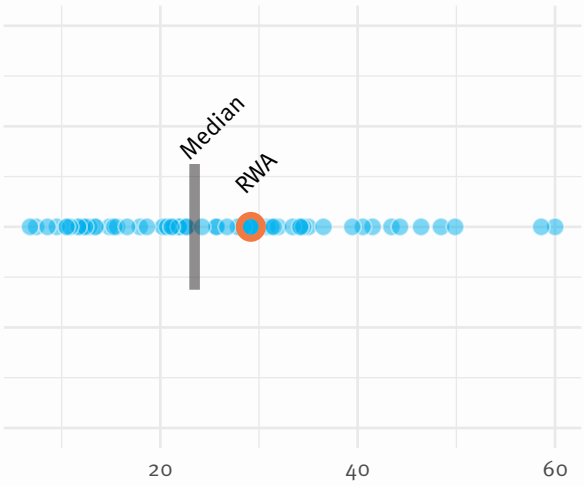
Weaknesses	Dimension	Rank	Value	Unit
OIML-CS - number of services recognised	Metrology	25	6	Number
Number of recognised certificates (ISO)	Conformity	42	4,990	Number
Adopted ISO standards	Standards	42	12	Number

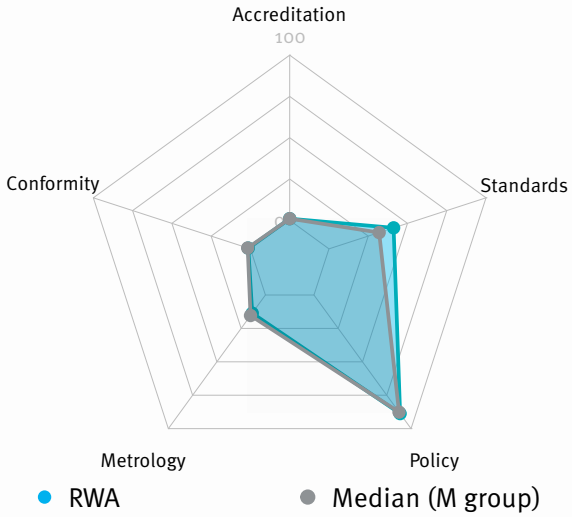
RWANDA

GDP GROUP RANK: 23/64 (M)
OVERALL RANK: 78/137

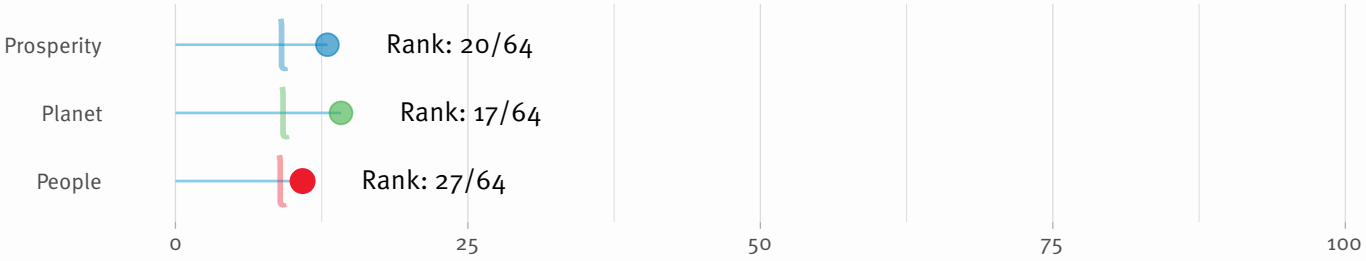
Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Sub-Saharan Africa	Low	10	798	12,952

QI4SD Index (M group)





P–Scores



Vertical lines represent in–group median scores. Ranks are within GDP group (M)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
OIML-CS - number of services recognised	Metrology	2	82	Number
Adopted IEC standards	Standards	3	395	Number
Adopted ISO standards	Standards	17	16	Number

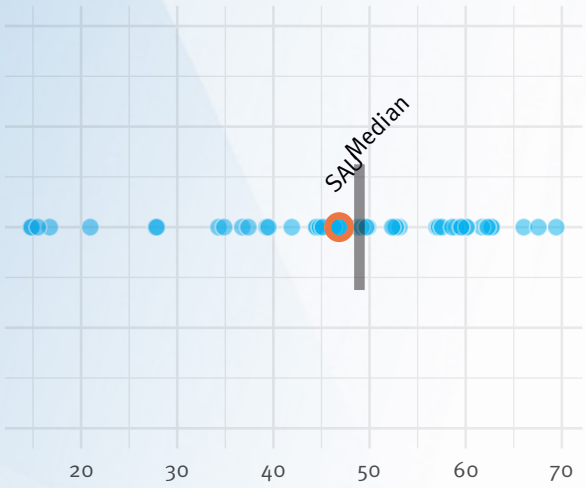
Weaknesses	Dimension	Rank	Value	Unit
Membership of ITU	Standards	79	1	Composite score
Participation in ISO technical committees	Standards	89	66	Number
Number of recognised certificates (IQNet)	Conformity	112	4	Number

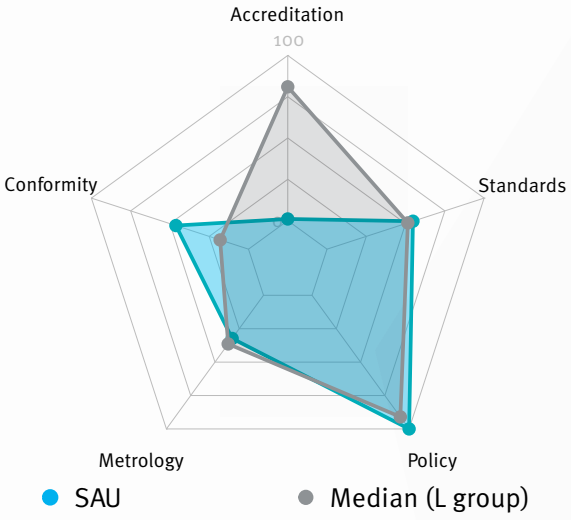
SAUDI ARABIA

GDP GROUP RANK: 25/46 (L)
OVERALL RANK: 45/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Middle East & North Africa	High	700	20,110	34,814

QI4SD Index (L group)





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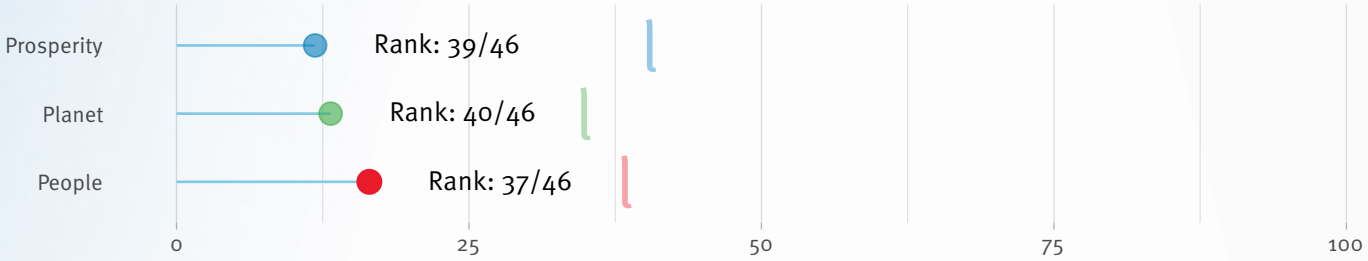


Vertical lines represent in–group median scores. Ranks are within GDP group (L)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Number of IECEE certificates recognised	Conformity	1	7,100	Number
Membership of ITU	Standards	15	12	Composite score
Adopted ISO standards	Standards	17	16	Number

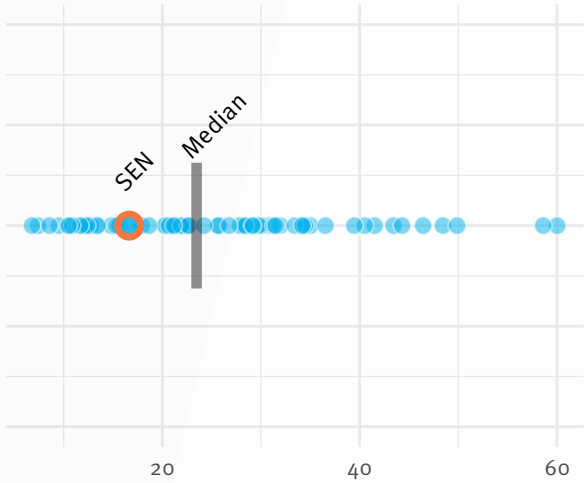
Weaknesses	Dimension	Rank	Value	Unit
Number of recognised certificates (ISO)	Conformity	55	3,230	Number
Membership of IQNet	Conformity	57	1	Composite score
Number of recognised certificates (IQNet)	Conformity	83	65	Number

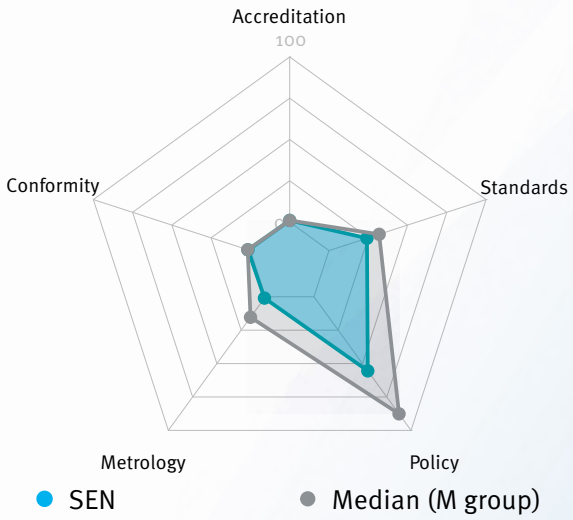
SENEGAL

GDP GROUP RANK: 46/64 (M)
OVERALL RANK: 112/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Sub-Saharan Africa	Lower middle	25	1,488	16,744

QI4SD Index (M group)





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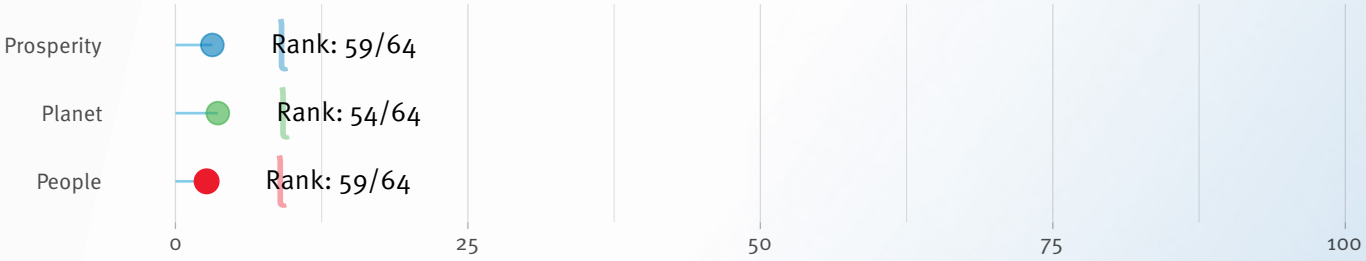


Vertical lines represent in–group median scores. Ranks are within GDP group (M)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Membership of ITU	Standards	31	6	Composite score
Adopted IEC standards	Standards	32	56	Number
Membership of IQNet	Conformity	57	1	Composite score

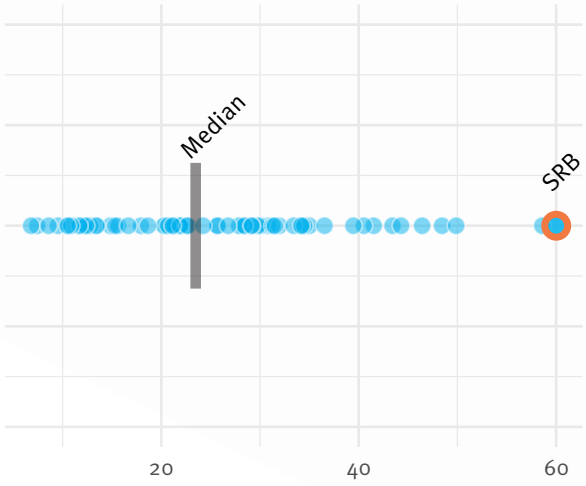
Weaknesses	Dimension	Rank	Value	Unit
Participation in ISO technical committees	Standards	101	32	Number
Number of recognised certificates (ISO)	Conformity	103	410	Number
Number of recognised certificates (IQNet)	Conformity	117	3	Number

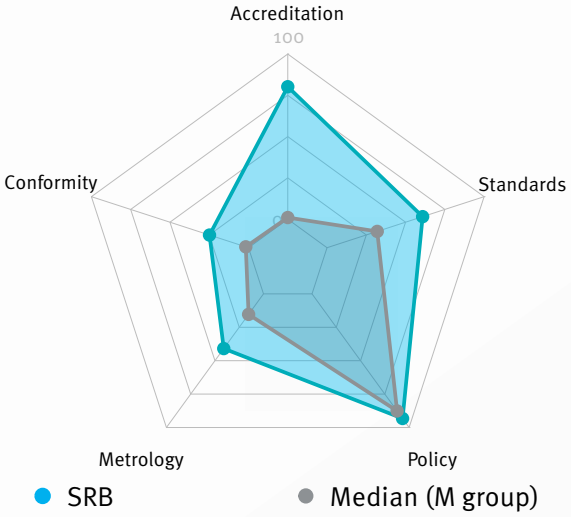
SERBIA

GDP GROUP RANK: 1/64 (M)
OVERALL RANK: 22/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Europe & Central Asia	Upper middle	53	7,666	6,908

QI4SD Index (M group)





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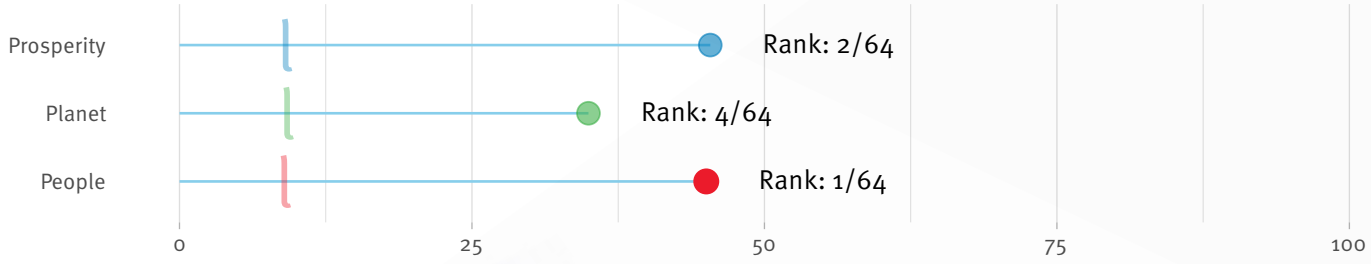


Vertical lines represent in–group median scores. Ranks are within GDP group (M)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Number of IECEE certificates recognised	Conformity	4	2,820	Number
Adopted ISO standards	Standards	7	18	Number
Membership of IQNet	Conformity	16	6	Composite score

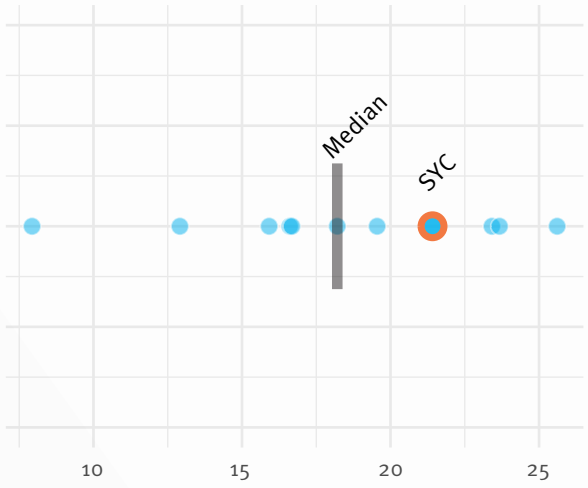
Weaknesses	Dimension	Rank	Value	Unit
Participation in key and supplementary comparisons	Metrology	48	63	Composite score
Number of recognised certificates (ISO)	Conformity	51	3,990	Number
Membership of ITU	Standards	79	1	Composite score

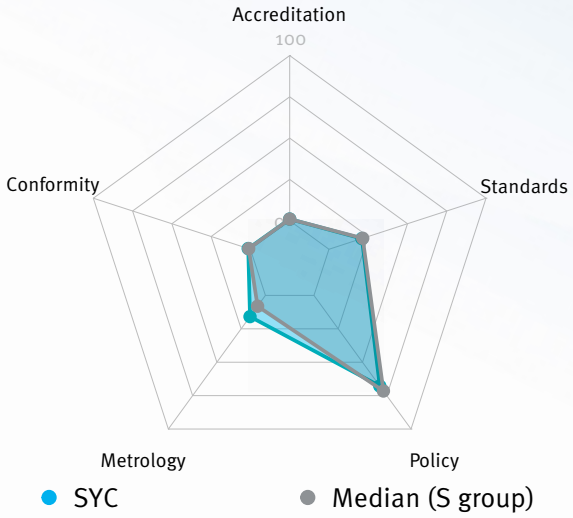
SEYCHELLES

GDP GROUP RANK: 4/11 (S)
OVERALL RANK: 99/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Sub-Saharan Africa	High	1	11,425	98

QI4SD Index (S group)





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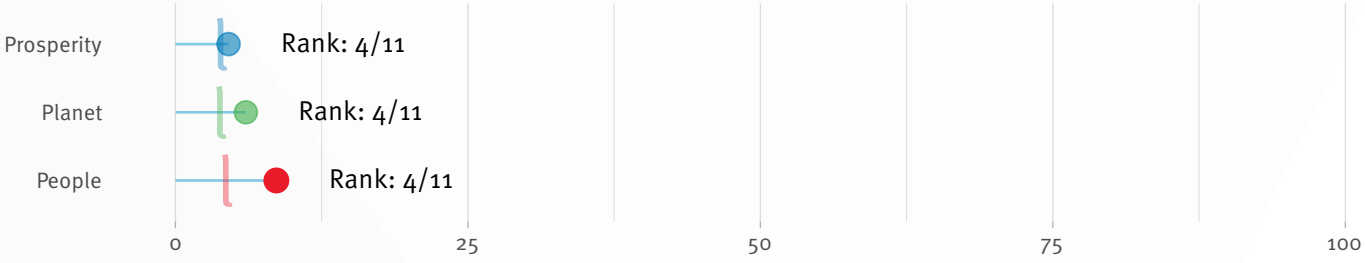


Vertical lines represent in–group median scores. Ranks are within GDP group (S)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Involvement in OIML project groups	Metrology	48	6	Composite score
Adopted ISO standards	Standards	63	8	Number
Number of recognised certificates (ISO)	Conformity	80	925	Number

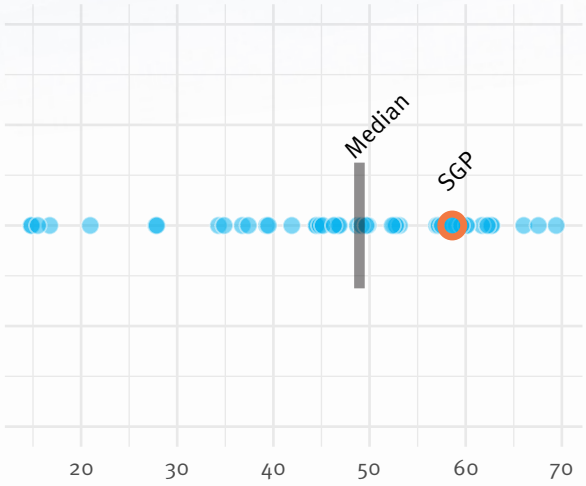
Weaknesses	Dimension	Rank	Value	Unit
Number of recognised certificates (ISO)	Conformity	80	925	Number
Participation in key and supplementary comparisons	Metrology	92	3	Number
Participation in ISO technical committees	Standards	115	20	Number

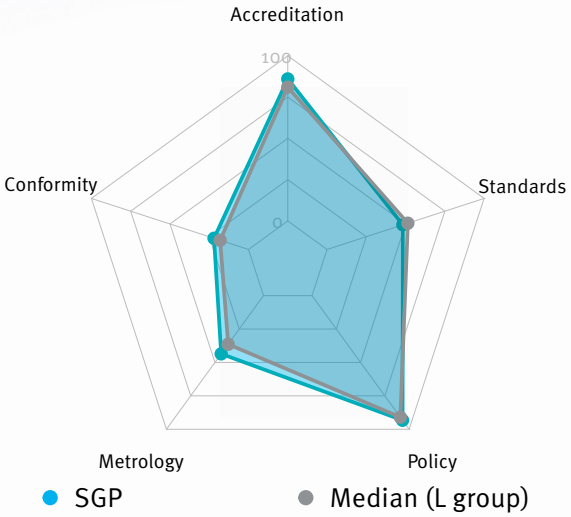
SINGAPORE

GDP GROUP RANK: 13/46 (L)
OVERALL RANK: 27/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
East Asia & Pacific	High	340	59,798	5,686

QI4SD Index (L group)





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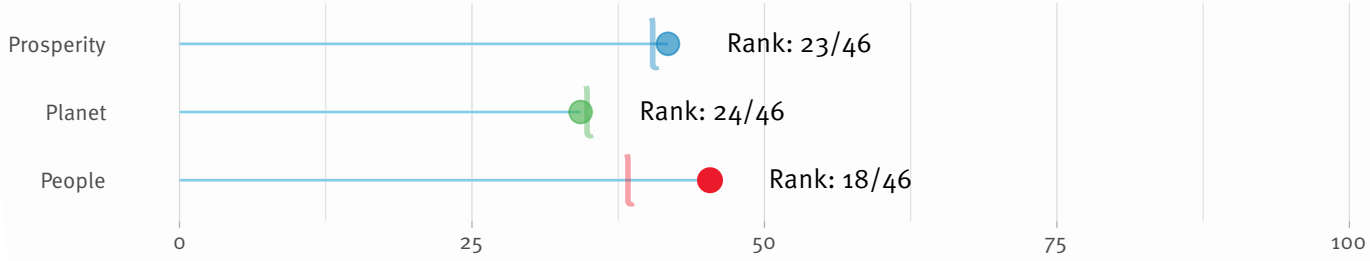


Vertical lines represent in–group median scores. Ranks are within GDP group (L)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Number of IECEE certificates recognised	Conformity	8	1,830	Number
Participation in BIPM Consultative Committees	Metrology	19	13	Number
Breadth of CMCs	Metrology	21	28	Number of types

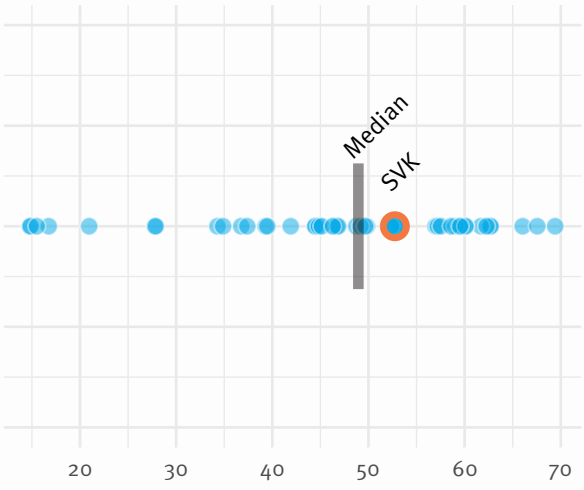
Weaknesses	Dimension	Rank	Value	Unit
Adopted ISO standards	Standards	55	9	Number
Membership of ITU	Standards	66	2	Composite score
Number of recognised certificates (IQNet)	Conformity	68	161	Number

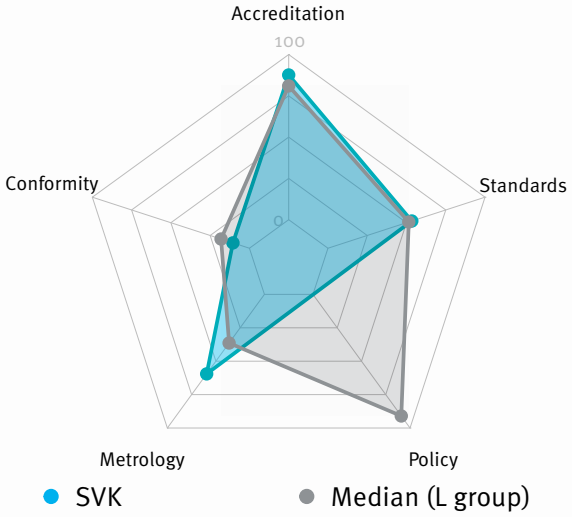
SLOVAKIA

GDP GROUP RANK: 18/46 (L)
OVERALL RANK: 36/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Europe & Central Asia	High	105	19,157	5,459

QI4SD Index (L group)





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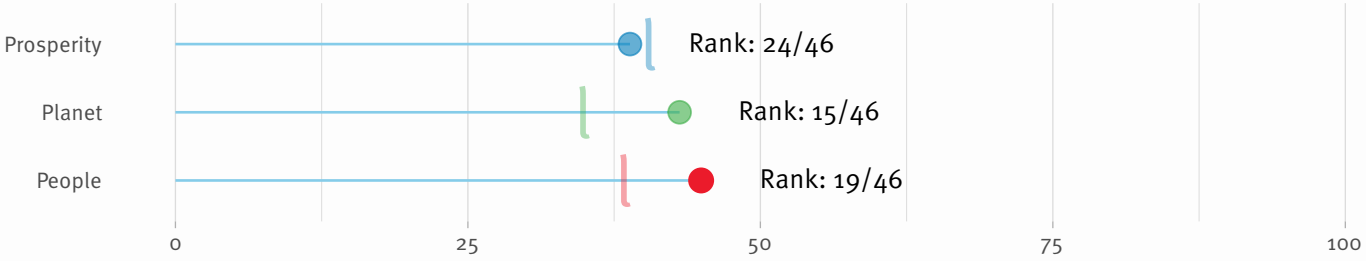


Vertical lines represent in–group median scores. Ranks are within GDP group (L)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Involvement in OIML project groups	Metrology	12	80	Composite score
Participation in BIPM Consultative Committees	Metrology	20	12	Number
Scopes of IAF accreditation bodies	Accreditation	22	10	Number

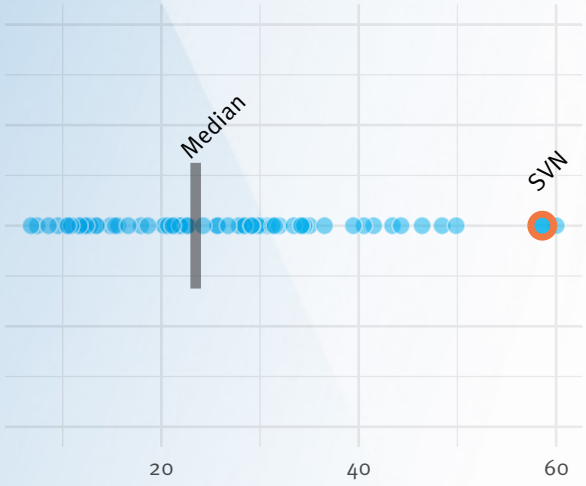
Weaknesses	Dimension	Rank	Value	Unit
Number of recognised certificates (IQNet)	Conformity	57	284	Number
Membership of IQNet	Conformity	57	1	Composite score
Membership of ITU	Standards	99	0	Composite score

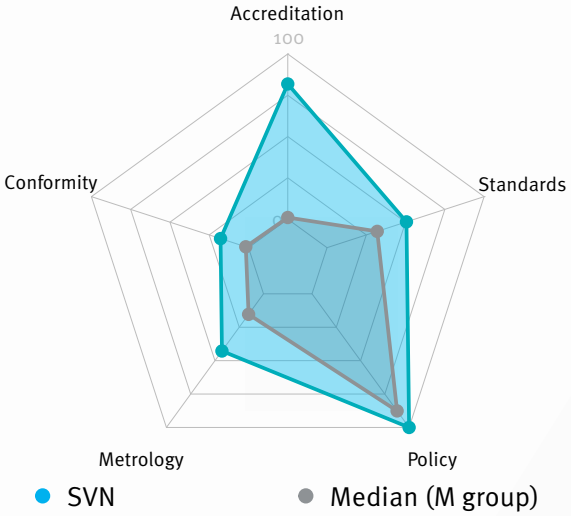
SLOVENIA

GDP GROUP RANK: 2/64 (M)
OVERALL RANK: 27/137

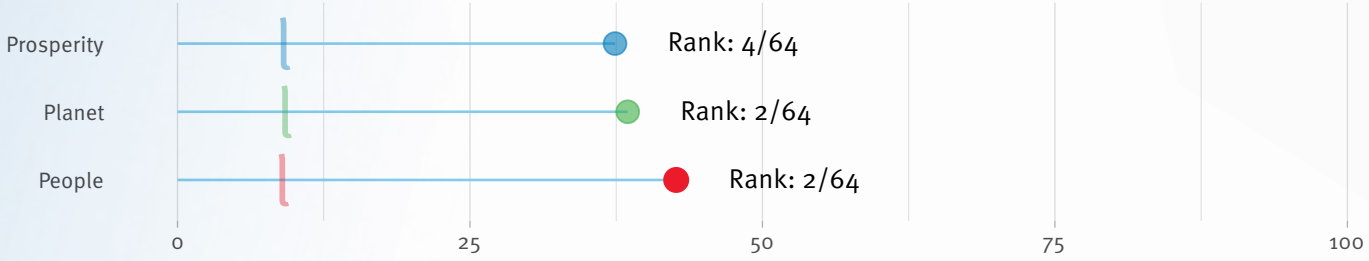
Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Europe & Central Asia	High	54	25,517	2,100

QI4SD Index (M group)





P–Scores



Vertical lines represent in–group median scores. Ranks are within GDP group (M)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Involvement in OIML project groups	Metrology	23	50	Composite score
Membership of IQNet	Conformity	25	4	Composite score
Scopes of IAF accreditation bodies	Accreditation	28	9	Number

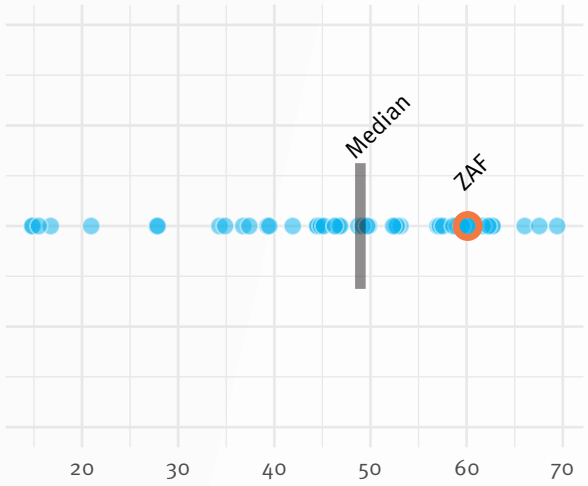
Weaknesses	Dimension	Rank	Value	Unit
Participation in BIPM Consultative Committees	Metrology	41	1	Number
Number of recognised certificates (ISO)	Conformity	59	2,550	Number
Participation in ISO technical committees	Standards	63	154	Number

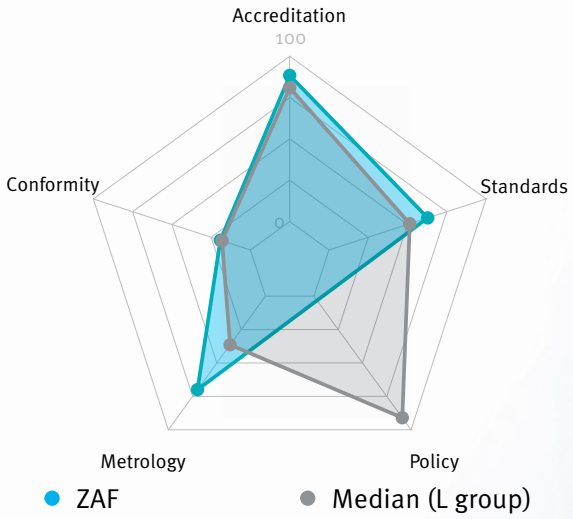
SOUTH AFRICA

GDP GROUP RANK: 8/46 (L)
OVERALL RANK: 20/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Sub-Saharan Africa	Upper middle	302	5,091	59,309

QI4SD Index (L group)





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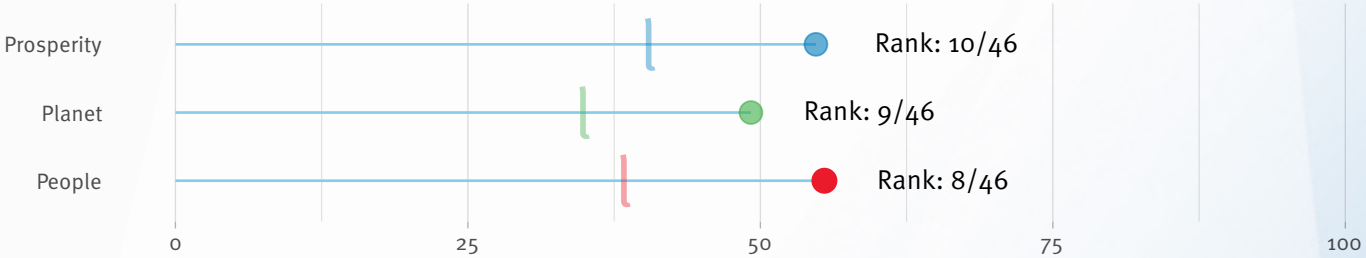


Vertical lines represent in–group median scores. Ranks are within GDP group (L)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Involvement in OIML project groups	Metrology	10	86	Composite score
Participation in BIPM Consultative Committees	Metrology	11	18	Number
Membership of ITU	Standards	11	15	Composite score

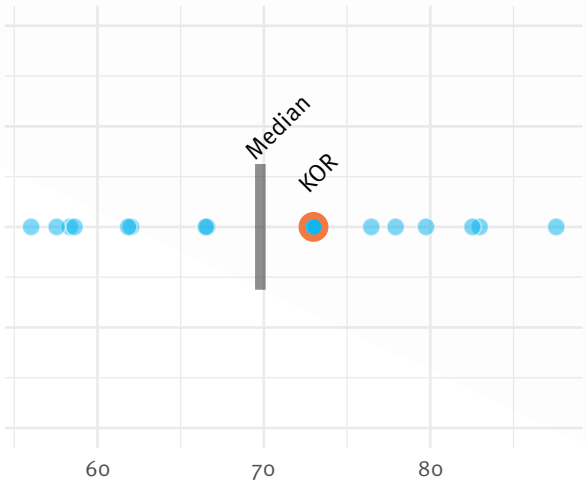
Weaknesses	Dimension	Rank	Value	Unit
Number of recognised certificates (ISO)	Conformity	32	7,230	Number
Scopes of IAF accreditation bodies	Accreditation	36	8	Number
Membership of IQNet	Conformity	57	1	Composite score

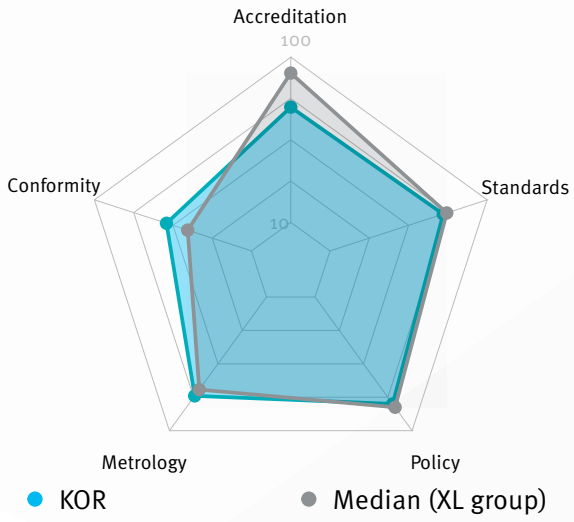
SOUTH KOREA

GDP GROUP RANK: 8/16 (XL)
OVERALL RANK: 8/137

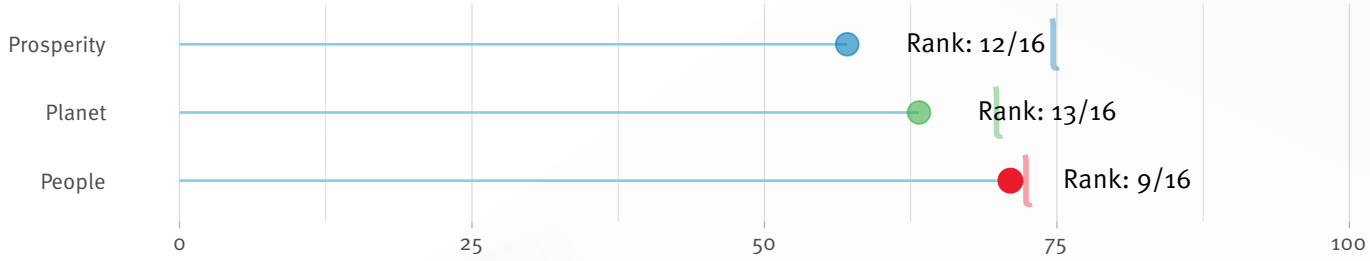
Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
East Asia & Pacific	High	1,631	31,489	51,781

QI4SD Index (XL group)





P–Scores



Vertical lines represent in–group median scores. Ranks are within GDP group (XL)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Participation in BIPM Consultative Committees	Metrology	1	20	Number
Number of IECEE certificates recognised	Conformity	3	4,860	Number
Breadth of CMCs	Metrology Metrology	4	4	Number of types

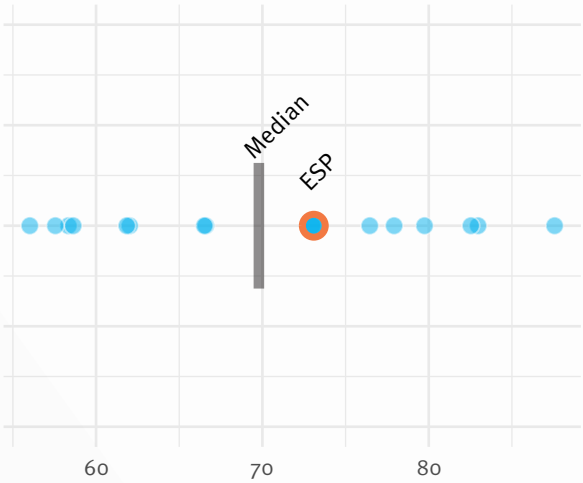
Weaknesses	Dimension	Rank	Value	Unit
OIML-CS - number of services recognised	Standards	30	4	Number
Adopted ISO standards	Standards	43	12	Number
Scopes of IAF accreditation bodies	Accreditation	46	6	Number

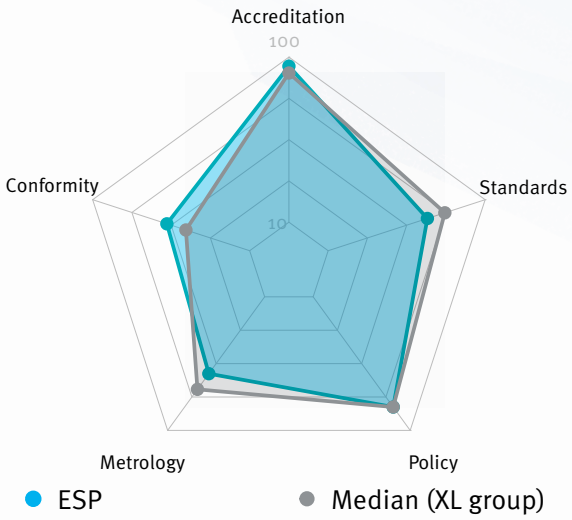
SPAIN

GDP GROUP RANK: 7/16 (XL)
OVERALL RANK: 7/137

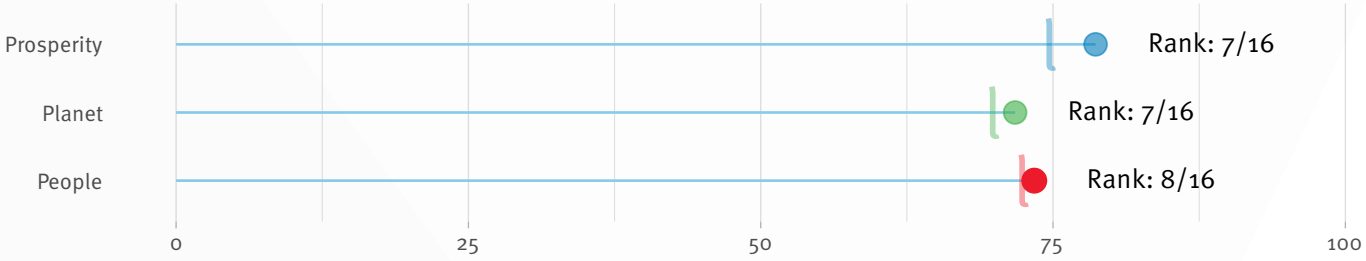
Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Europe & Central Asia	High	1,281	27,063	47,352

QI4SD Index (XL group)





P–Scores



Vertical lines represent in–group median scores. Ranks are within GDP group (XL)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Number of recognised certificates (IQNet)	Conformity	4	18,300	Number
Scopes of IAF accreditation bodies	Accreditation	5	12	Number
Membership of IQNet	Conformity	5	35	Composite score

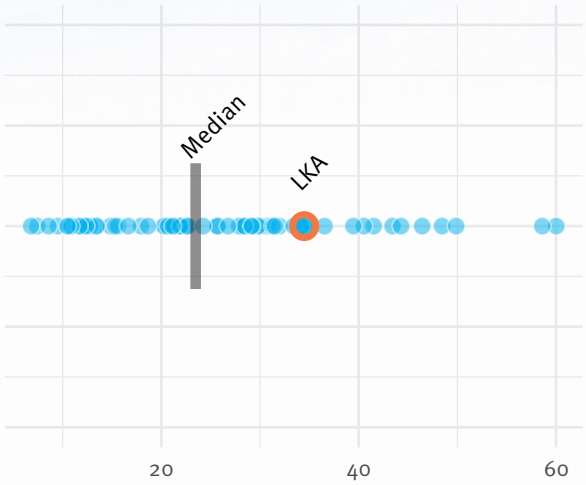
Weaknesses	Dimension	Rank	Value	Unit
Breadth of CMCs	Metrology	22	27	Number of types
Number of IECEE certificates recognised	Conformity	30	6	Number
Adopted ISO standards	Standards	68	8	Number

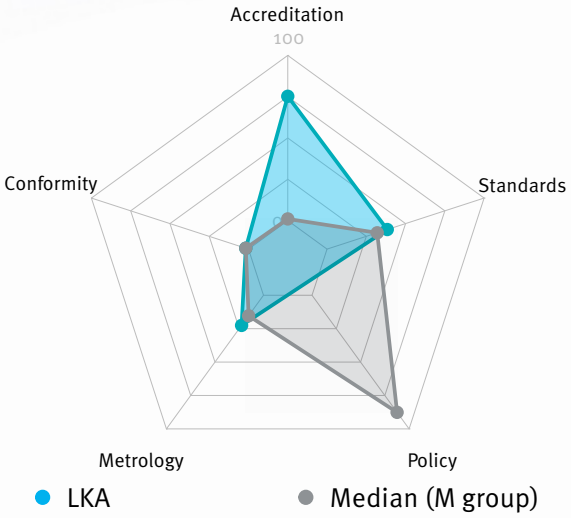
SRI LANKA

GDP GROUP RANK: 13/64 (M)
OVERALL RANK: 67/137

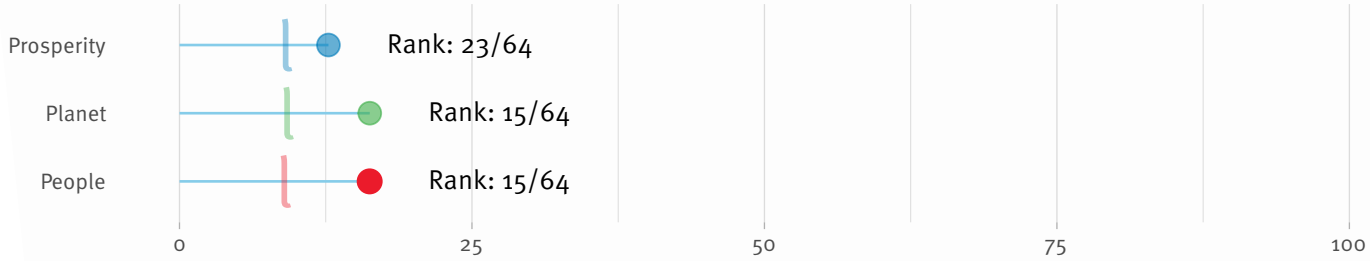
Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
South Asia	Lower middle	81	3,682	21,919

QI4SD Index (M group)





P–Scores



Vertical lines represent in–group median scores. Ranks are within GDP group (M)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Participation in ISO technical committees	Standards	44	290	Number
Scopes of IAF accreditation bodies	Accreditation	54	5	Number
Participation in IEC technical committees	Standards	57	8	Number

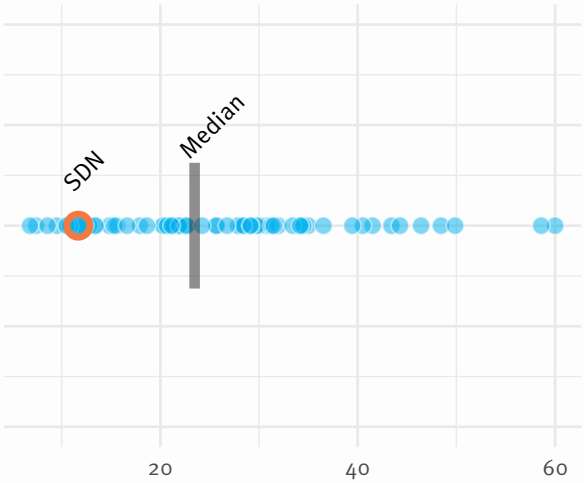
Weaknesses	Dimension	Rank	Value	Unit
Involvement in OIML project groups	Metrology	61	1	Composite score
Number of recognised certificates (ISO)	Conformity	69	1,700	Number
Participation in key and supplementary comparisons	Metrology	78	10	Number

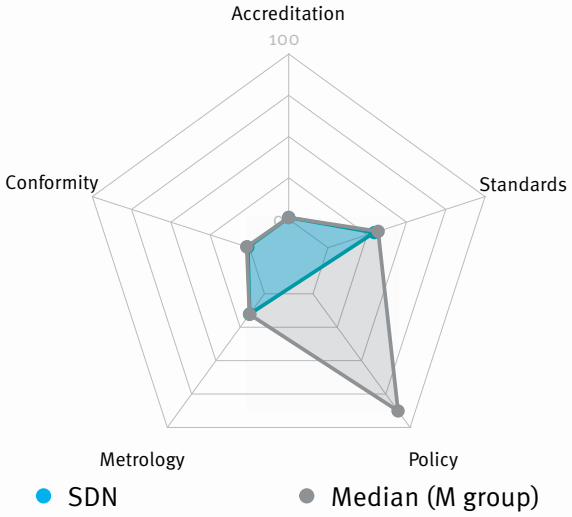
SUDAN

GDP GROUP RANK: 57/64 (M)
OVERALL RANK: 129/137

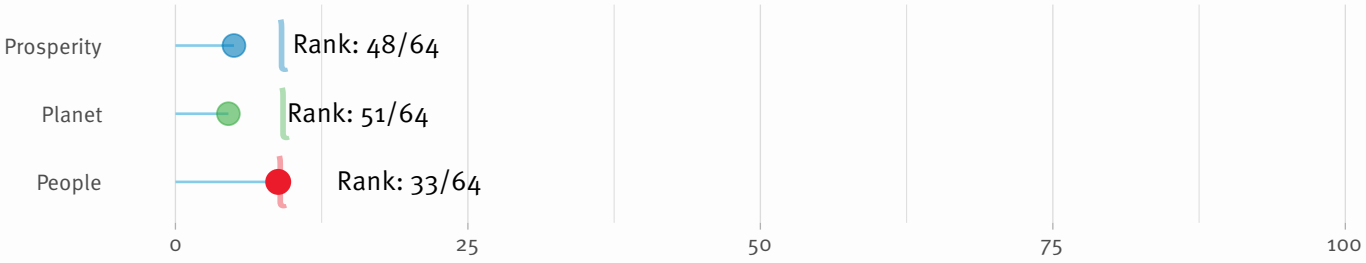
Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Sub-Saharan Africa	Low	26	595	43,849

QI4SD Index (M group)





P–Scores



Vertical lines represent in–group median scores. Ranks are within GDP group (M)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Adopted IEC standards	Conformity	16	185	Number
Membership of ITU	Accreditation	40	4	Composite score
Participation in key and supplementary comparisons	Conformity	96	1	Number

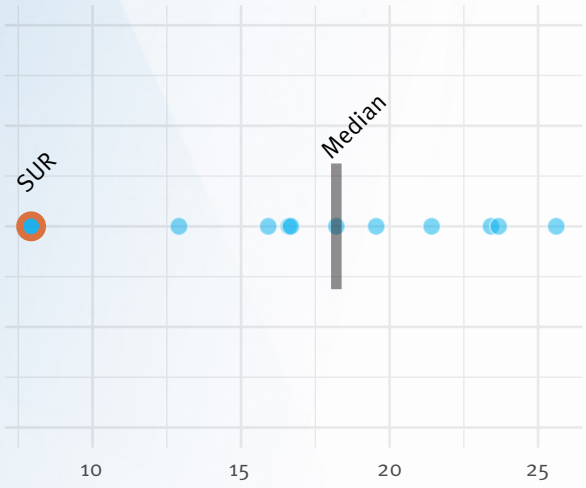
Weaknesses	Dimension	Rank	Value	Unit
Participation in ISO technical committees	Standards	102	30	Number
Number of recognised certificates (IQNet)	Conformity	111	5	Number
Number of recognised certificates (ISO)	Conformity	125	124	Number

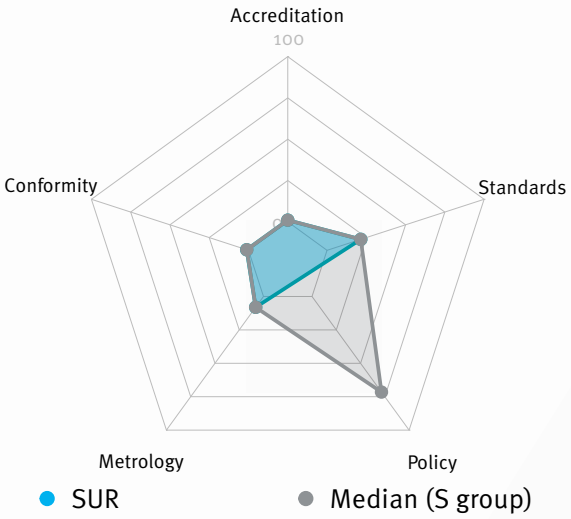
SURINAME

GDP GROUP RANK: 11/11 (S)
OVERALL RANK: 135/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Latin America & Caribbean	Upper middle	4	6,491	587

QI4SD Index (S group)





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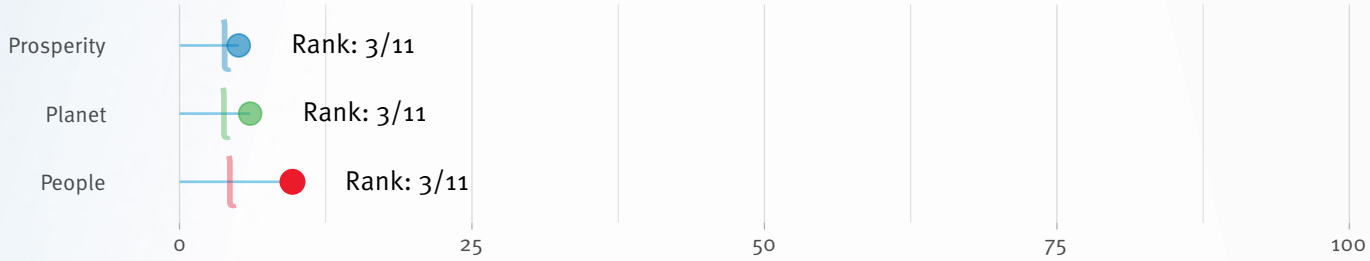


Vertical lines represent in–group median scores. Ranks are within GDP group (S)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Adopted IEC standards	Standards	14	211	Number
Adopted ISO standards	Standards	75	5	Number
Number of recognised certificates (ISO)	Conformity	104	398	Number

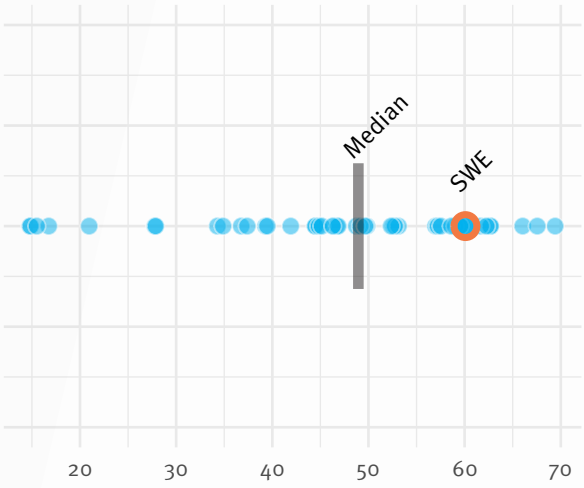
Weaknesses	Dimension	Rank	Value	Unit
Adopted ISO standards	Standards	755	5	Number
Number of recognised certificates (ISO)	Conformity	104	398	Number
Number of recognised certificates (IQNet)	Conformity	124	1	Number

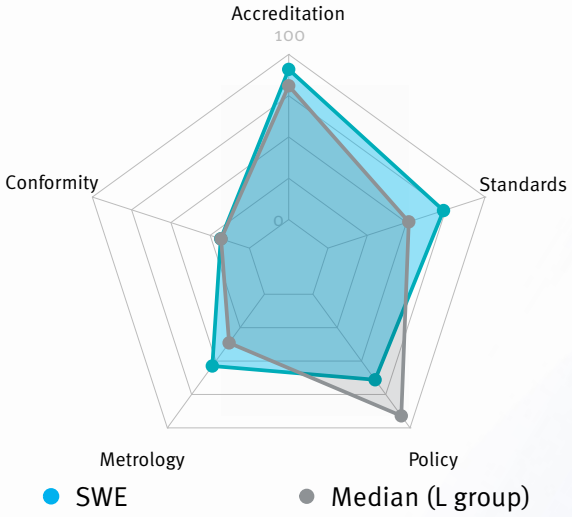
SWEDEN

GDP GROUP RANK: 9/46 (L)
OVERALL RANK: 21/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Europe & Central Asia	High	541	52,259	10,353

QI4SD Index (L group)





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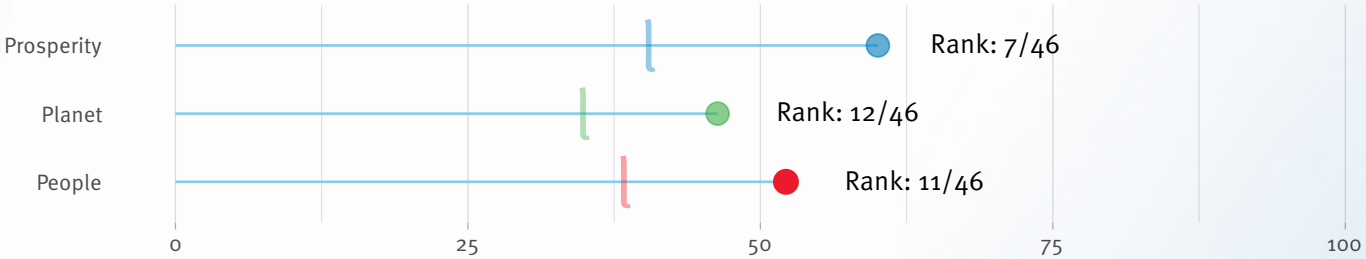


Vertical lines represent in–group median scores. Ranks are within GDP group (L)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Scopes of IAF accreditation bodies	Accreditation	5	12	Number
Participation in IEC technical committees	Standards	9	296	Number
Participation in ISO technical committees	Standards	13	1,040	Number

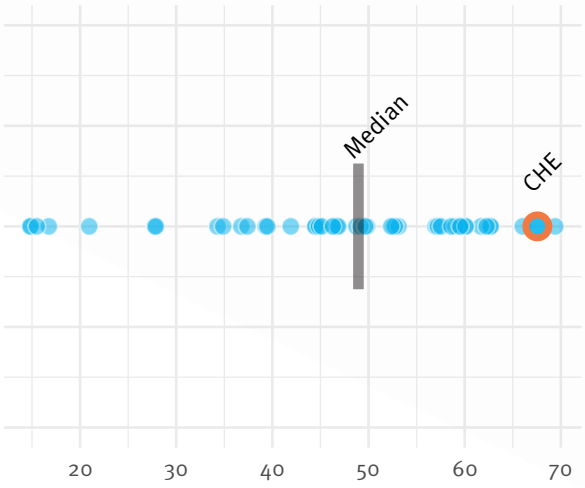
Weaknesses	Dimension	Rank	Value	Unit
Number of recognised certificates (ISO)	Conformity	34	7,030	Number
Number of recognised certificates (IQNet)	Conformity	40	720	Number
Membership of IQNet	Conformity	57	1	Composite score

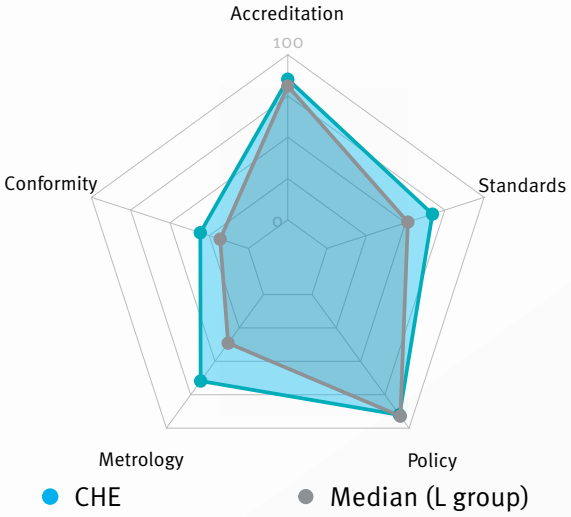
SWITZERLAND

GDP GROUP RANK: : 2/46 (L)
OVERALL RANK: : 10/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Europe & Central Asia	High	752	87,097	8,637

QI4SD Index (L group)





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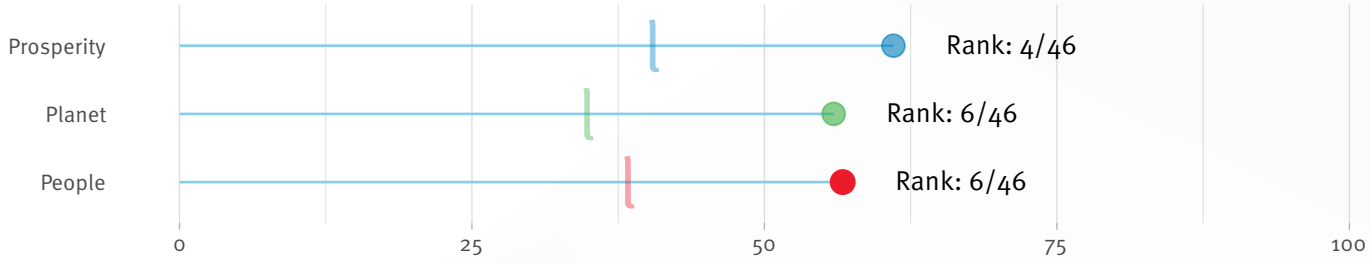


Vertical lines represent in–group median scores. Ranks are within GDP group (L)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Participation in BIPM Consultative Committees	Metrology	11	18	Number
Participation in IEC technical committees	Standards	12	286	Number
Number of recognised certificates (IQNet)	Conformity	13	6,960	Number

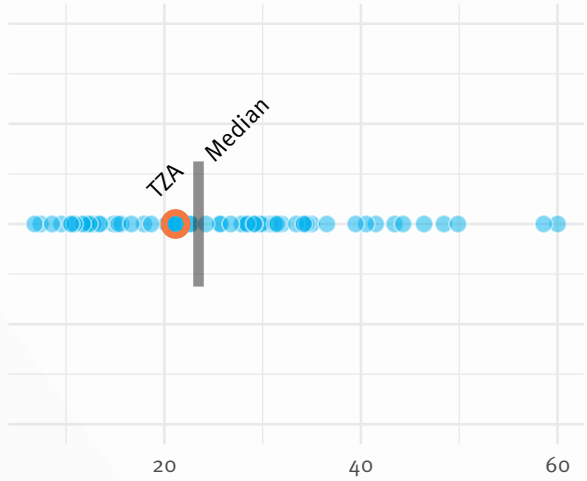
Weaknesses	Dimension	Rank	Value	Unit
OIML-CS - number of services recognised	Metrology	20	19	Number
Membership of IQNet	Conformity	31	3	Composite score
Adopted ISO standards	Standards	55	9	Number

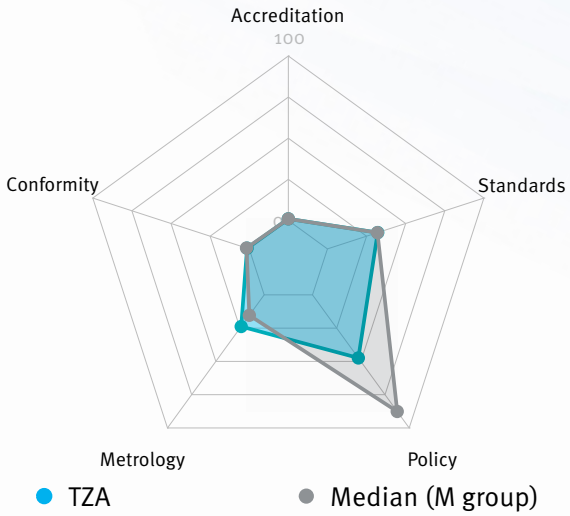
TANZANIA, the United Republic of

GDP GROUP RANK: 40/64 (M)
OVERALL RANK: 101/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Sub-Saharan Africa	Lower middle	62	1,076	59,734

QI4SD Index (M group)





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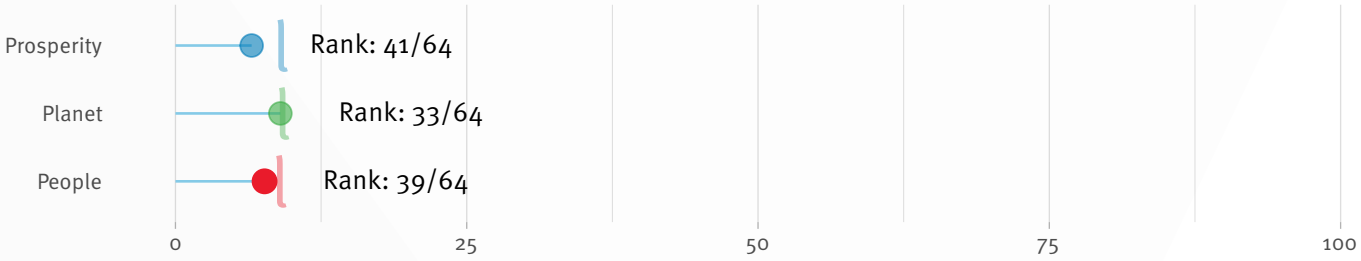


Vertical lines represent in–group median scores. Ranks are within GDP group (M)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Adopted IEC standards	Standards	28	71	Number
Adopted ISO standards	Standards	37	13	Number
Involvement in OIML project groups	Metrology	38	14	Composite score

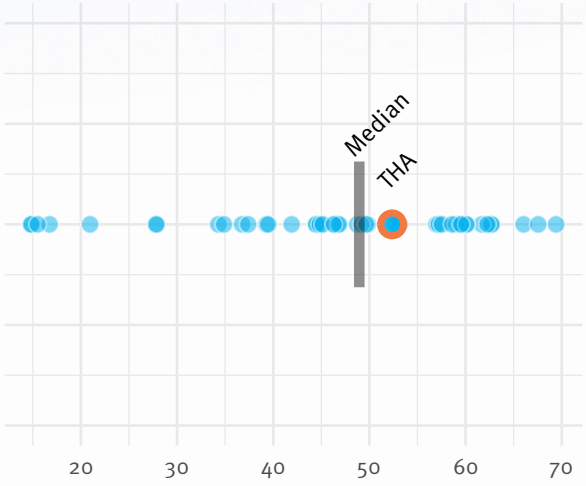
Weaknesses	Dimension	Rank	Value	Unit
Number of recognised certificates (ISO)	Conformity	85	831	Number
Participation in key and supplementary comparisons	Conformity	96	1	Number
Number of recognised certificates (IQNet)	Conformity	101	16	Number

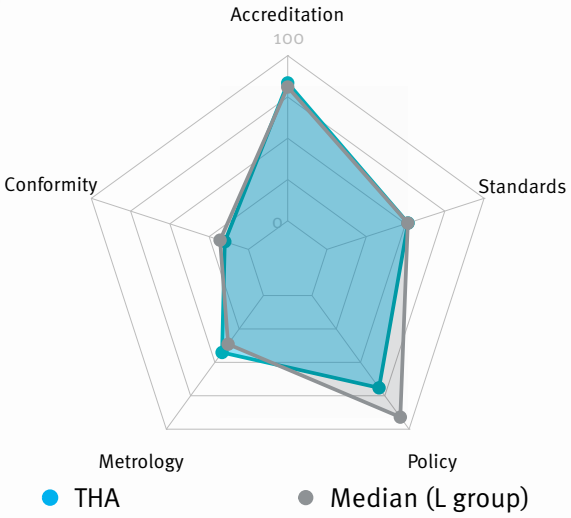
THAILAND

GDP GROUP RANK: 20/46 (L)
OVERALL RANK: 38/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
East Asia & Pacific	Upper middle	4502	7,189	69,800

QI4SD Index (L group)





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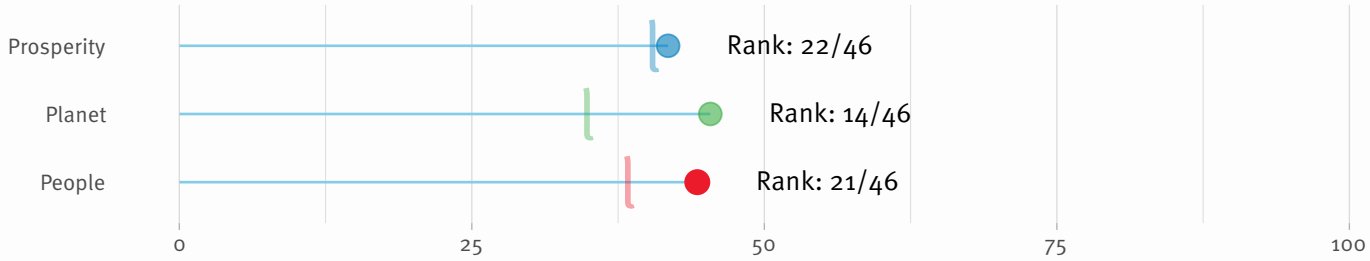


Vertical lines represent in–group median scores. Ranks are within GDP group (L)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Participation in key and supplementary comparisons	Metrology	20	241	Number
Number of recognised certificates (ISO)	Conformity	22	12,200	Number
Breadth of CMCs	Metrology	22	27	Number of types

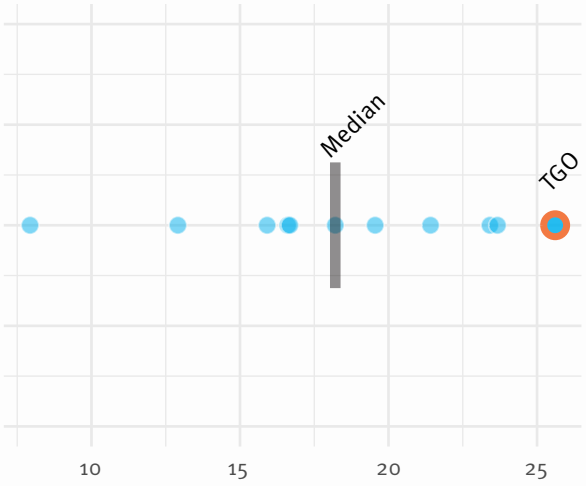
Weaknesses	Dimension	Rank	Value	Unit
Adopted ISO standards	Standards	51	10	Number
Scopes of IAF accreditation bodies	Accreditation	54	5	Number
Involvement in OIML project groups	Metrology	61	1	Composite score

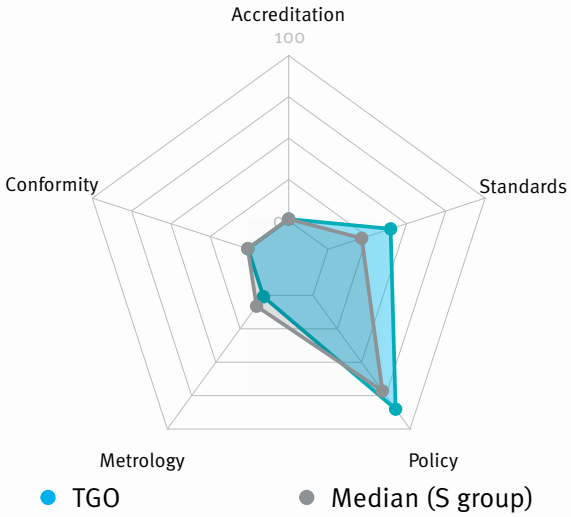
TOGO

GDP GROUP RANK: 1/11 (S)
OVERALL RANK: 89/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Sub-Saharan Africa	Low	8	915	8,279

QI4SD Index (S group)





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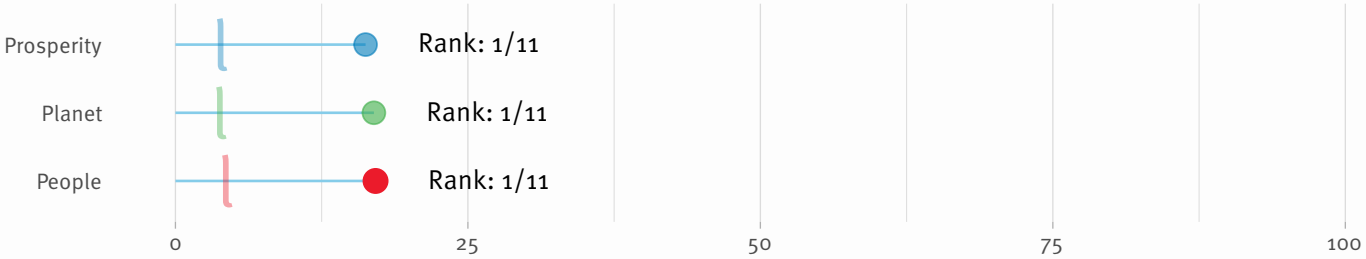


Vertical lines represent in–group median scores. Ranks are within GDP group (S)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Adopted IEC standards	Standards	1	544	Number
Adopted ISO standards	Standards	5	20	Number
Participation in ISO technical committees	Standards	122	11	Number

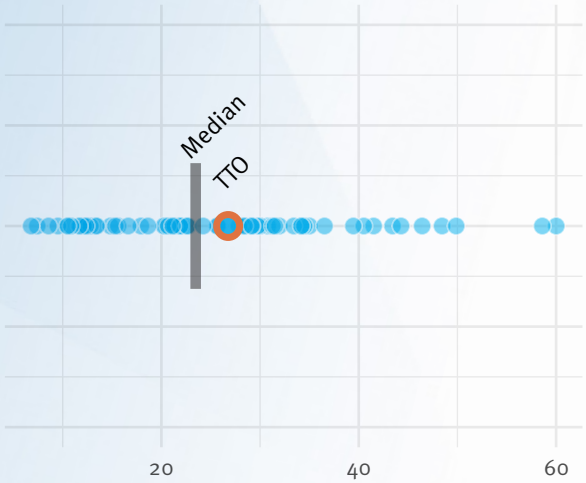
Weaknesses	Dimension	Rank	Value	Unit
Adopted ISO standards	Standards	5	20	Number
Participation in ISO technical committees	Standards	122	11	Number
Number of recognised certificates (ISO)	Conformity	135	34	Number

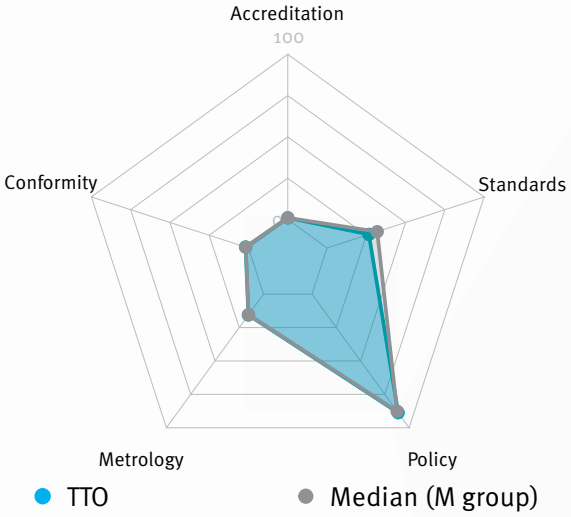
TRINIDAD AND TOBAGO

GDP GROUP RANK: 29/64 (M)
OVERALL RANK: 86/137

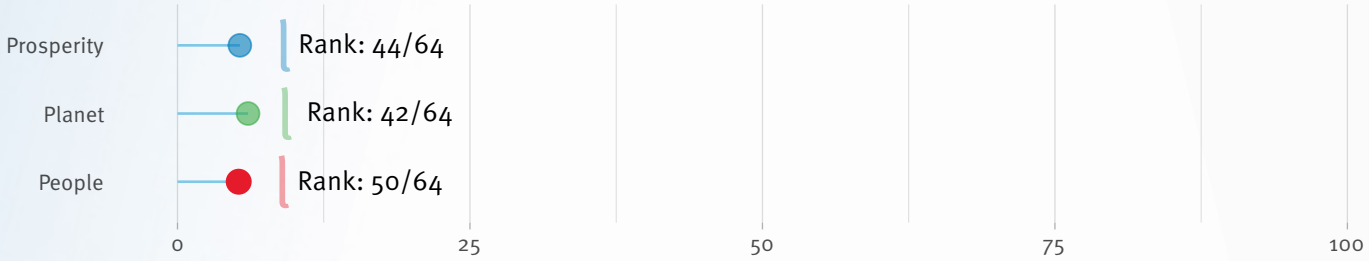
Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Latin America & Caribbean	High	22	15,384	1,399

QI4SD Index (M group)





P–Scores



Vertical lines represent in–group median scores. Ranks are within GDP group (M)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Adopted IEC standards	Standards	41	20	Number
Membership of ITU	Standards	53	3	Composite score
Adopted ISO standards	Standards	63	8	Number

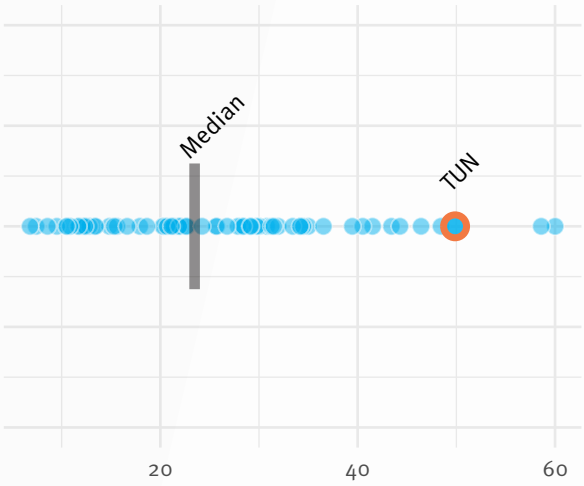
Weaknesses	Dimension	Rank	Value	Unit
Number of CMCs	Metrology	79	1	Number
Number of recognised certificates (IQNet)	Conformity	82	73	Number
Participation in ISO technical committees	Standards	82	83	Number

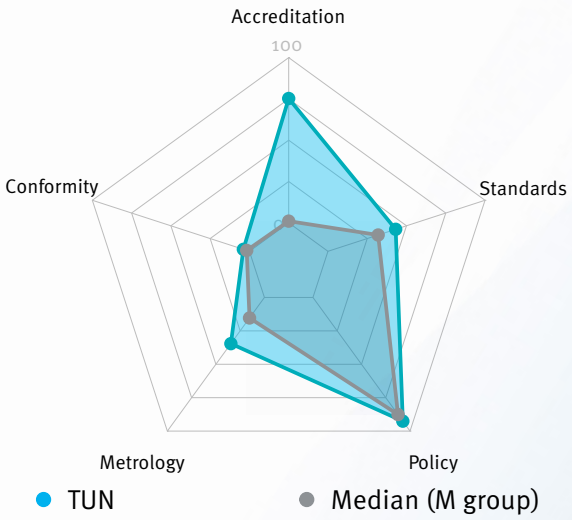
TUNISIA

GDP GROUP RANK: : 3/64 (M)
OVERALL RANK: 39/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Middle East & North Africa	Lower middle	39	3,320	11,819

QI4SD Index (M group)





P–Scores

Vertical lines represent in–group median scores. Ranks are within GDP group (M)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
OIML-CS - number of services recognised	Metrology	8	56	Number
Membership of ITU	Standards	25	8	Composite score
Adopted ISO standards	Standards	30	15	Number

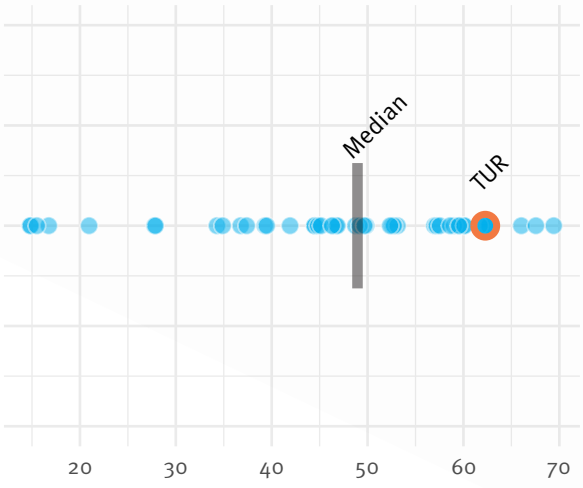
Weaknesses	Dimension	Rank	Value	Unit
Participation in IEC technical committees	Standards	63	6	Number
Number of CMCs	Metrology	67	21	Number
Participation in key and supplementary comparisons	Metrology	72	16	Number

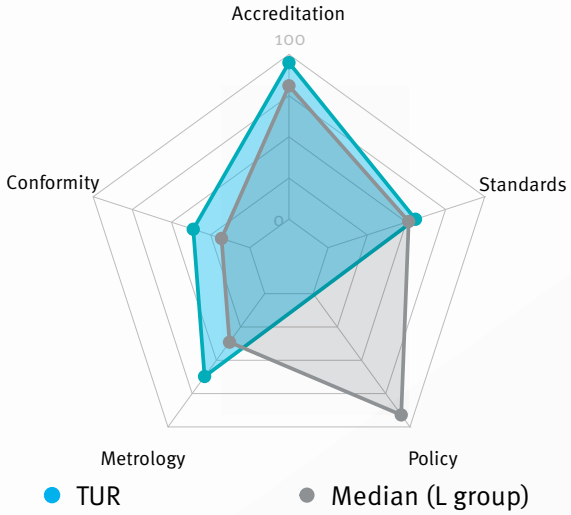
TURKEY

GDP GROUP RANK: 6/46 (L)
OVERALL RANK: 16/137

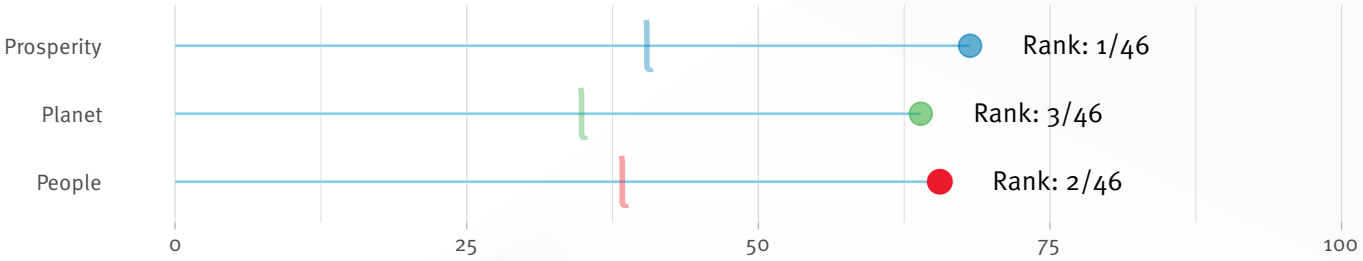
Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Europe & Central Asia	Upper middle	720	8,538	84,339

QI4SD Index (L group)





P–Scores



Vertical lines represent in–group median scores. Ranks are within GDP group (L)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Breadth of CMCs	Metrology	4	39	Number of types
Scopes of IAF accreditation bodies	Accreditation	5	12	Number
Membership of IQNet	Conformity	8	20	Composite score

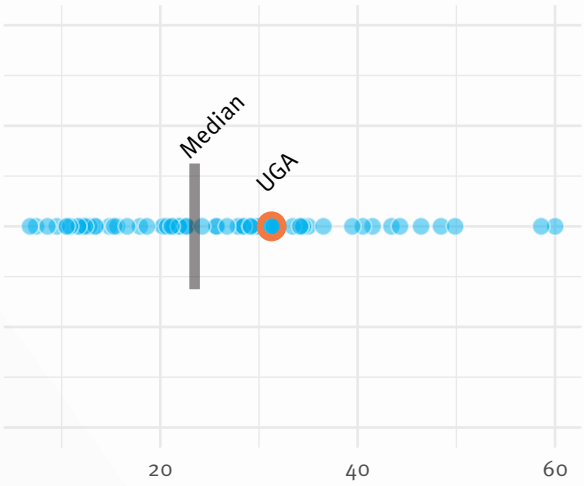
Weaknesses	Dimension	Rank	Value	Unit
Participation in ISO technical committees	Standards	32	520	Number
Participation in IEC technical committees	Standards	38	125	Number
Adopted ISO standards	Standards	43	12	Number

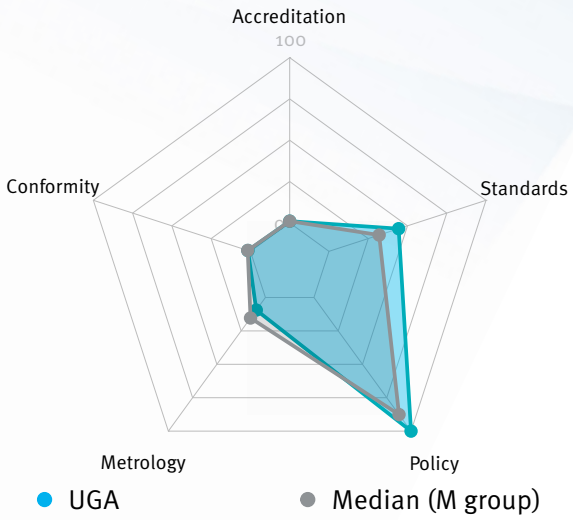
UGANDA

GDP GROUP RANK: 19/64 (M)
OVERALL RANK: 74/137

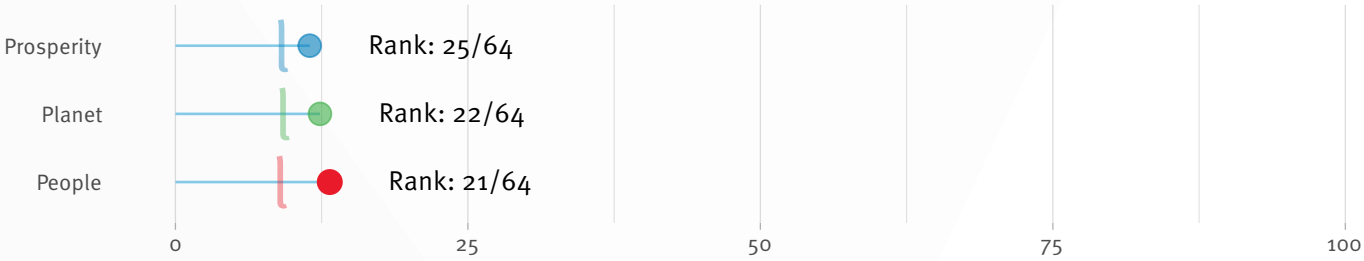
Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Sub-Saharan Africa	Low	37	817	45,741

QI4SD Index (M group)





P–Scores



Vertical lines represent in–group median scores. Ranks are within GDP group (M)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Adopted ISO standards	Standards	7	18	Number
Adopted IEC standards	Standards	11	255	Number
OIML-CS - number of services recognised	Metrology	18	20	Number

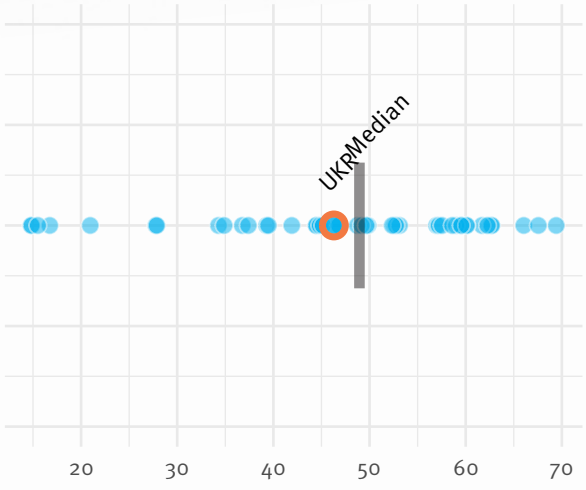
Weaknesses	Dimension	Rank	Value	Unit
Participation in ISO technical committees	Standards	62	166	Number
Number of recognised certificates (IQNet)	Conformity	70	149	Number
Number of recognised certificates (ISO)	Conformity	90	779	Number

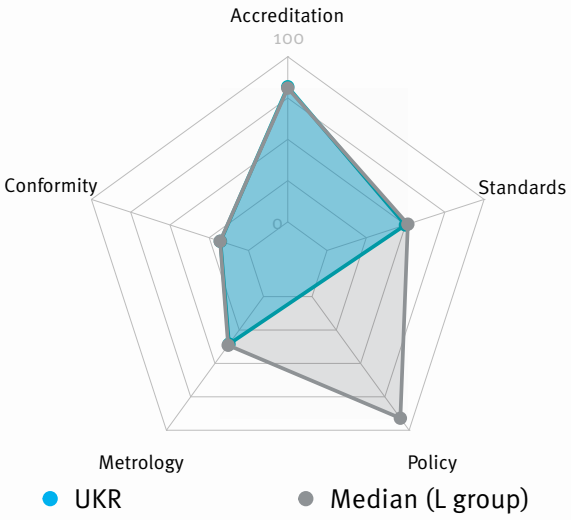
UKRAINE

GDP GROUP RANK: 28/46 (L)
OVERALL RANK: 49/137

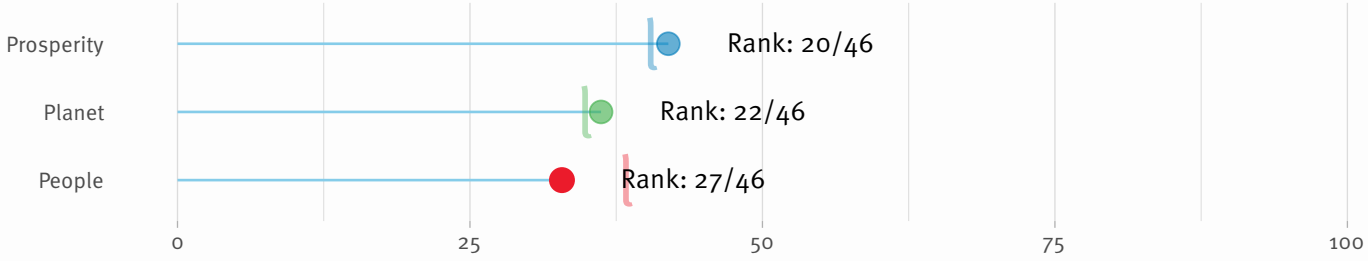
Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Europe & Central Asia	Lower middle	156	3,727	44,135

QI4SD Index (L group)





P–Scores



Vertical lines represent in–group median scores. Ranks are within GDP group (L)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Number of IECEE certificates recognised	Conformity	7	1,860	Number
Breadth of CMCs	Metrology	22	27	Number of types
Scopes of IAF accreditation bodies	Accreditation	28	9	Number

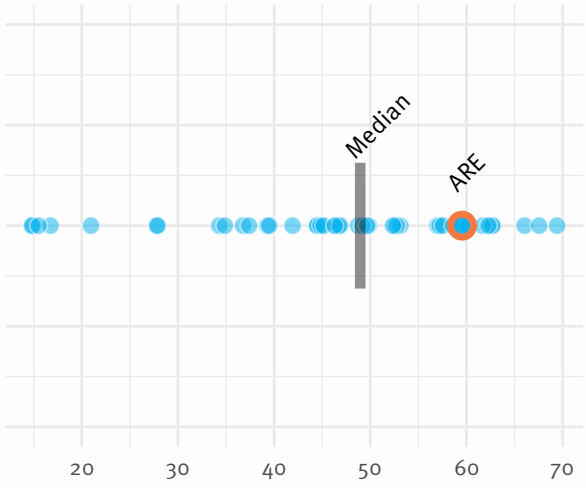
Weaknesses	Dimension	Rank	Value	Unit
Involvement in OIML project groups	Metrology	52	5	Composite score
Membership of ITU	Standards	53	3	Composite score
Adopted ISO standards	Standards	82	3	Number

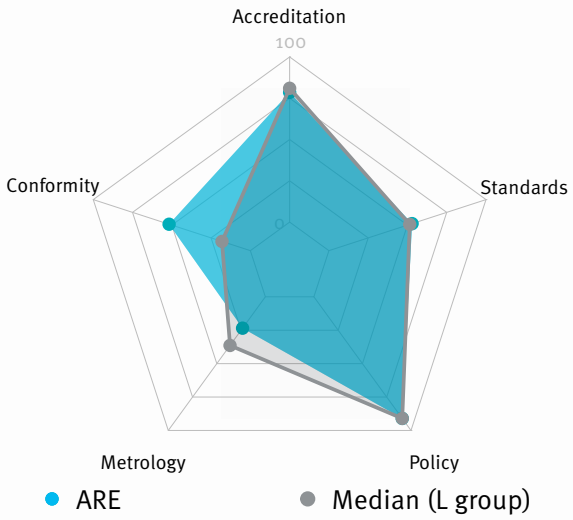
UNITED ARAB EMIRATES

GDP GROUP RANK: 11/46 (L)
OVERALL RANK: 24/137

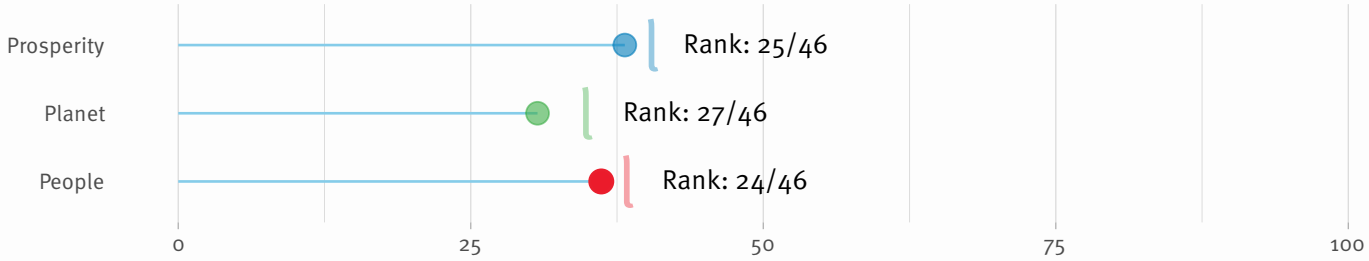
Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Middle East & North Africa	High	421	43,103	9,890

QI4SD Index (L group)





P–Scores



Vertical lines represent in–group median scores. Ranks are within GDP group (L)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Number of IECEE certificates recognised	Conformity	2	5,240	Number
Adopted ISO standards	Standards	3	21	Number
Membership of ITU	Standards	17	12	Composite score

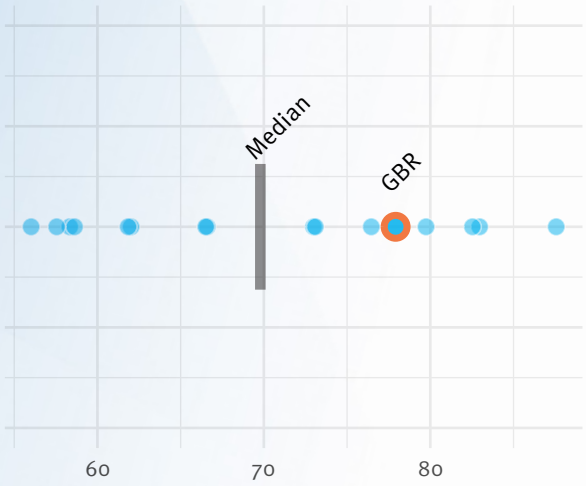
Weaknesses	Dimension	Rank	Value	Unit
Participation in key and supplementary comparisons	Metrology	61	30	Number
Number of recognised certificates (IQNet)	Conformity	65	204	Number
Participation in ISO technical committees	Standards	85	75	Number

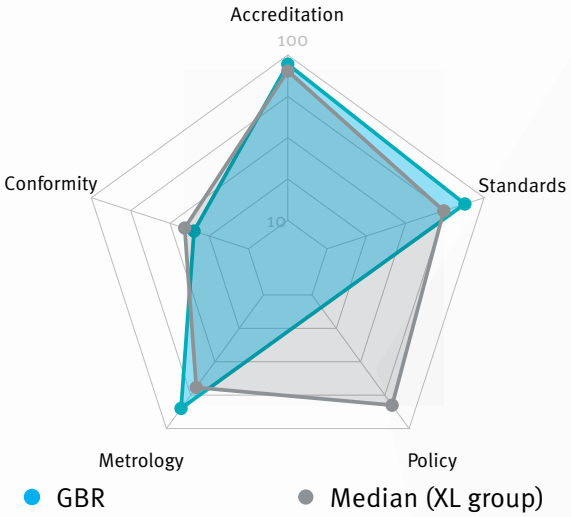
UNITED KINGDOM

GDP GROUP RANK: 5/16 (XL)
OVERALL RANK: 5/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Europe & Central Asia	High	2,708	40,285	67,215

QI4SD Index (XL group)





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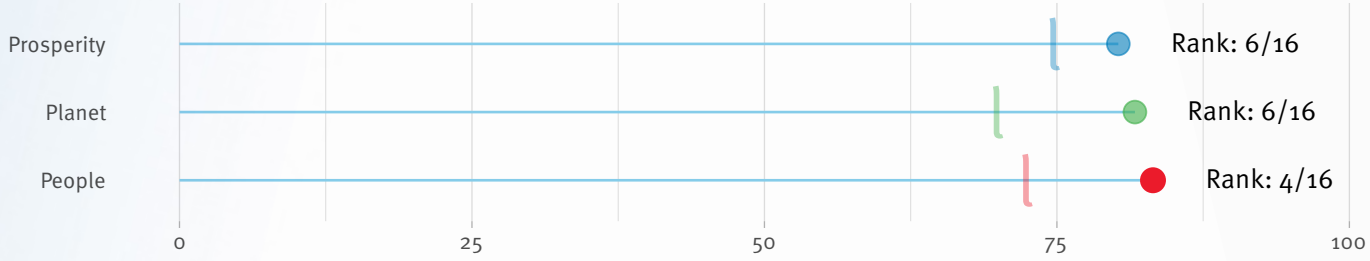


Vertical lines represent in–group median scores. Ranks are within GDP group (XL)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Participation in BIPM Consultative Committees	Metrology	1	20	Number
Adopted ISO standards	Standards	1	22	Number
Participation in key and supplementary comparisons	Metrology	2	661	Number

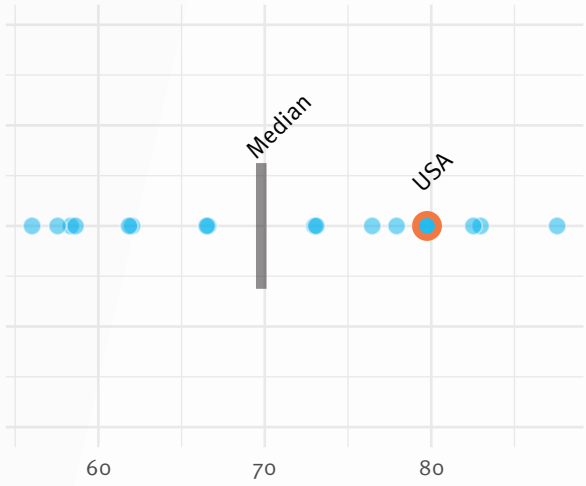
Weaknesses	Dimension	Rank	Value	Unit
Number of IECEE certificates recognised	Conformity	15	272	Number
Membership of IQNet	Conformity	31	3	Composite score
Number of recognised certificates (IQNet)	Conformity	42	657	Number

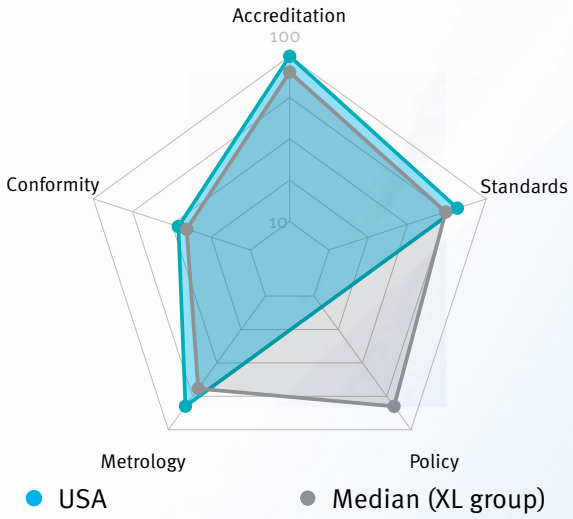
UNITED STATES OF AMERICA

GDP GROUP RANK: 4/16 (XL)
OVERALL RANK: 4/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
North America	High	20,937	63,544	329,484

QI4SD Index (XL group)





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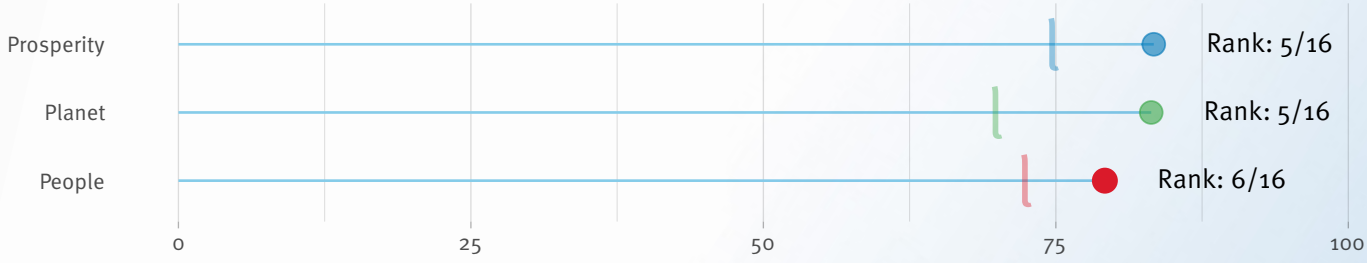


Vertical lines represent in–group median scores. Ranks are within GDP group (XL)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Scopes of IAF accreditation bodies	Accreditation	1	15	Number
Participation in BIPM Consultative Committees	Metrology	1	20	Number
Membership of ITU	Standards	1	130	Composite score

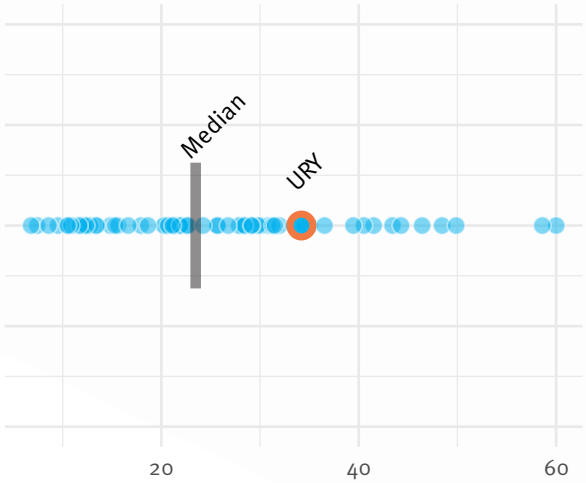
Weaknesses	Dimension	Rank	Value	Unit
Membership of IQNet	Conformity	20	5	Composite score
OIML-CS - number of services recognised	Metrology	31	2	Number
Adopted ISO standards	Standards	69	7	Number

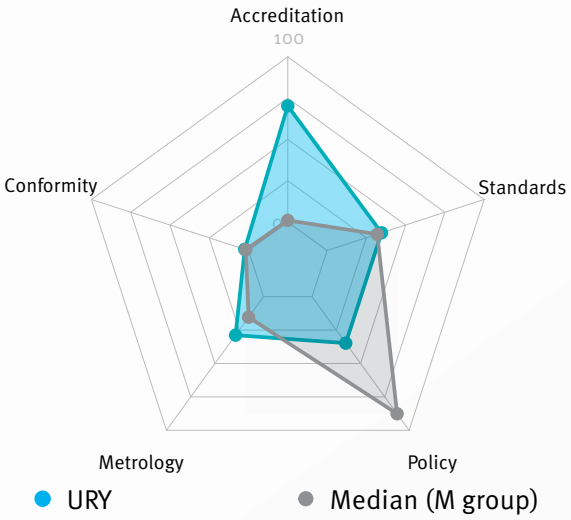
URUGUAY

GDP GROUP RANK: 14/64 (M)
OVERALL RANK: 69/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Latin America & Caribbean	High	54	15,438	3,474

QI4SD Index (M group)





P–Scores

Vertical lines represent in–group median scores. Ranks are within GDP group (M)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Adopted ISO standards	Standards	13	18	Number
Adopted IEC standards	Standards	23	85	Number
Number of CMCs	Metrology	34	234	Number

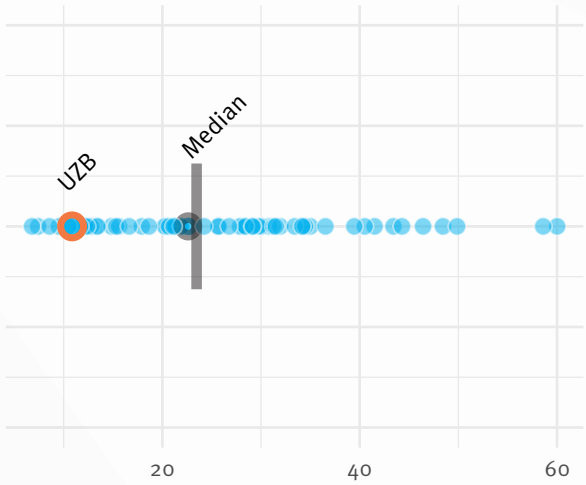
Weaknesses	Dimension	Rank	Value	Unit
Number of recognised certificates (IQNet)	Conformity	61	216	Number
Number of recognised certificates (ISO)	Conformity	71	1,570	Number
Participation in ISO technical committees	Standards	72	111	Number

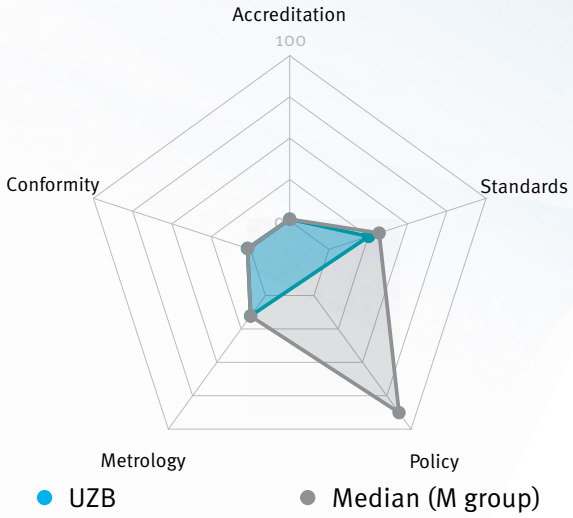
UZBEKISTAN

GDP GROUP RANK: 58/64 (M)
OVERALL RANK: 130/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Europe & Central Asia	Lower middle	58	1,686	34,232

QI4SD Index (M group)





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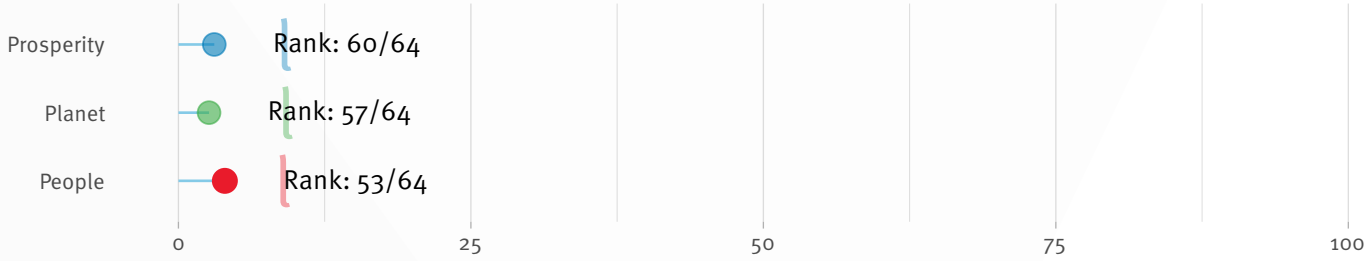


Vertical lines represent in–group median scores. Ranks are within GDP group (M)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Adopted IEC standards	Standards	29	66	Number
Membership of IQNet	Conformity	57	1	Composite score
Number of recognised certificates (IQNet)	Conformity	63	211	Number

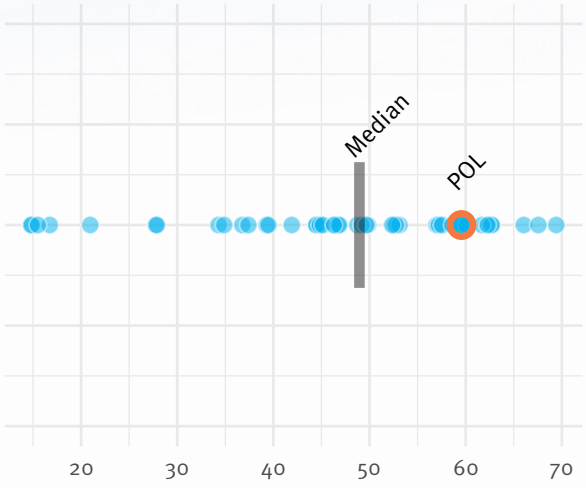
Weaknesses	Dimension	Rank	Value	Unit
Participation in key and supplementary comparisons	Metrology	85	5	Number
Number of recognised certificates (ISO)	Conformity	101	469	Number
Participation in ISO technical committees	Standards	108	24	Number

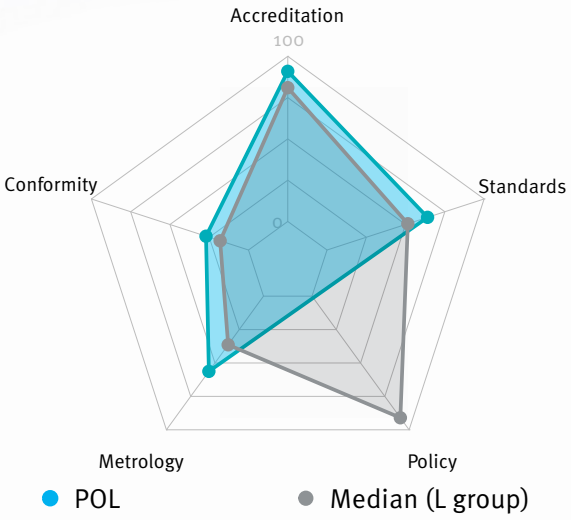
VIET NAM

GDP GROUP RANK: : 36/46 (L)
OVERALL RANK: 62/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
East Asia & Pacific	Lower middle	271	2,786	97,339

QI4SD Index (L group)





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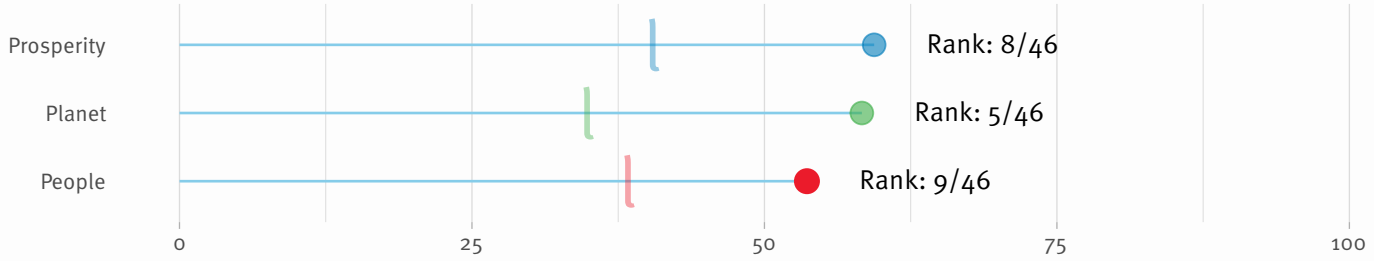


Vertical lines represent in–group median scores. Ranks are within GDP group (L)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Membership of IQNet	Conformity	31	3	Composite score
Number of recognised certificates (ISO)	Conformity	43	4,940	Number
Scopes of IAF accreditation bodies	Accreditation	46	6	Number

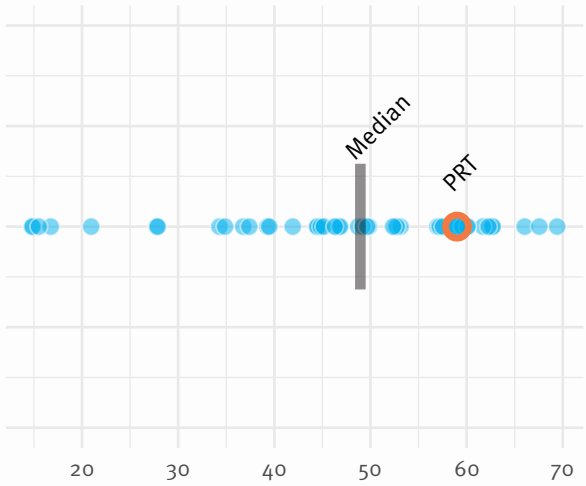
Weaknesses	Dimension	Rank	Value	Unit
Number of CMCs	Metrology	62	31	Number
Participation in IEC technical committees	Standards	63	6	Number
Participation in ISO technical committees	Standards	70	113	Number

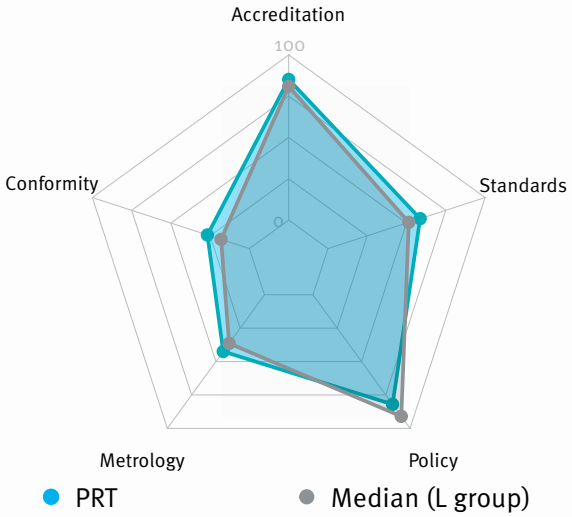
ZAMBIA

GDP GROUP RANK: 18/64 (M)
OVERALL RANK: 73/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Sub-Saharan Africa	Lower middle	19	1,051	18,384

QI4SD Index (L group)





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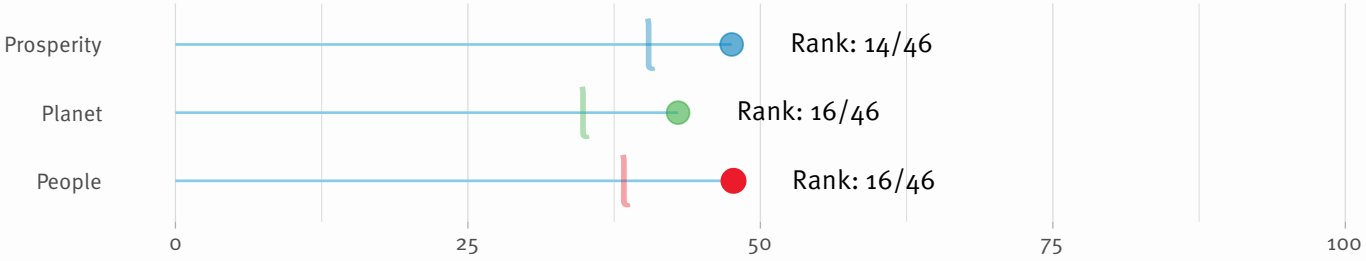


Vertical lines represent in–group median scores. Ranks are within GDP group (L)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
OIML-CS - number of services recognised	Metrology	6	60	Number
Adopted IEC standards	Standards	8	293	Number
Adopted ISO standards	Standards	43	12	Number

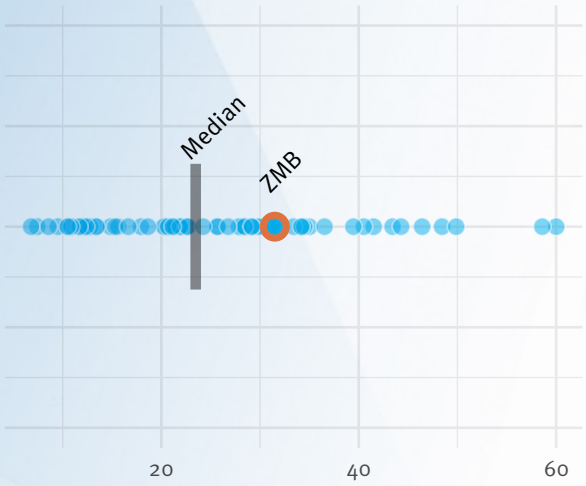
Weaknesses	Dimension	Rank	Value	Unit
Number of recognised certificates (IQNet)	Conformity	94	30	Number
Participation in ISO technical committees	Standards	109	23	Number
Number of recognised certificates (ISO)	Conformity	131	63	Number

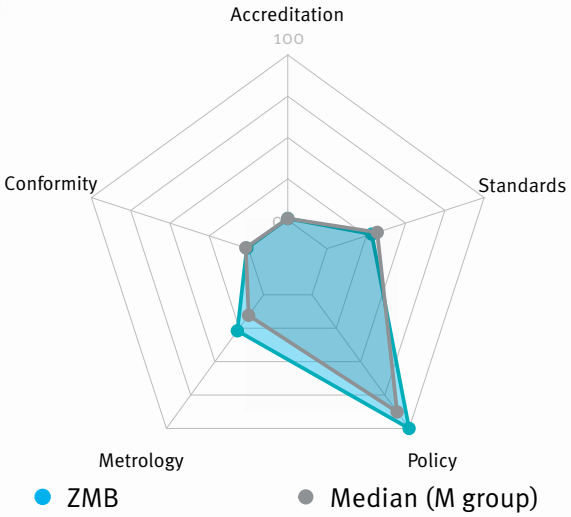
ZIMBABWE

GDP GROUP RANK: 60/64 (M)
OVERALL RANK: 132/137

Region	Income group	GDP (USD Bn)	GDP per capita (USD)	Population (thou)
Sub-Saharan Africa	Lower middle	17	1,128	14,863

QI4SD Index (M group)





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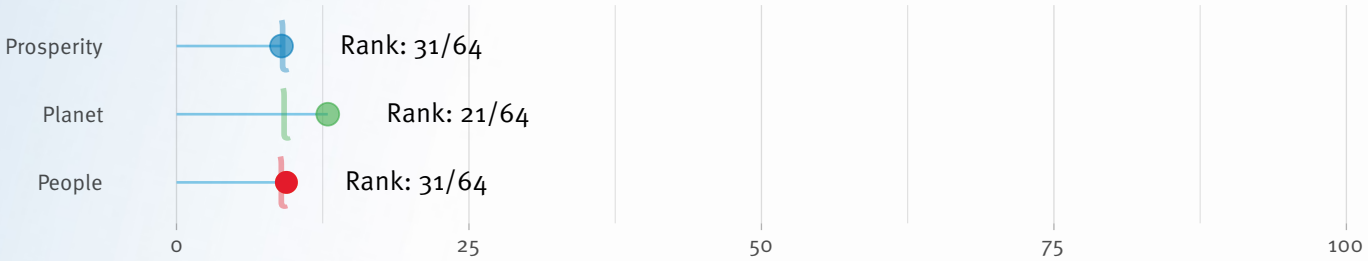

Vertical lines represent in–group median scores. Ranks are within GDP group (M)

STRENGTHS AND WEAKNESSES

Strengths	Dimension	Rank	Value	Unit
Adopted IEC standards	Standards	24	81	Number
Adopted ISO standards	Standards	32	14	Number
Membership of ITU	Standards	79	1	Composite score

Weaknesses	Dimension	Rank	Value	Unit
Number of recognised certificates (IQNet)	Conformity	86	58	Number
Participation in ISO technical committees	Standards	86	74	Number
Number of recognised certificates (ISO)	Conformity	119	208	Number

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