

Shared Environmental Information System in the pan-European region

***Working Group on Environmental Monitoring and Assessment
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Review of progress in establishing SEIS



WGEMA was mandated to review progress in establishing SEIS, its report needs be submitted to the EfE Ministerial Conference in Batumi in June 2016 through CEP

To do so WGEMA had to agree:

- on a content of pan-European SEIS against which the progress in its establishment is to be reviewed
- on a reporting mechanism to be put in place for managing SEIS and collecting information on the availability and on-line accessibility of SEIS data sets and related information

Pan-European SEIS content

WGEMA-agreed pan-European SEIS content for the 2015 review

- Air pollution and ozone depletion – 25 data sets
- Climate change – 4 data sets
- Water – 20 data sets
- Biodiversity – 4 data sets
- Land and soil – 2 data sets
- Energy – 4 data sets
- Waste – 8 data sets
- Green economy – none
- Total: 67 data sets

Pan-European SEIS reporting mechanism



WGEMA-agreed concept for the SEIS reporting mechanism

It was further advanced by the reporting mechanism development group as it was tasked by WGMEA

Browser

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Reporting on performance in establishing and operating the Shared Environmental Information System

Background
Instructions
Rating blocks
Start rating process

Rating process: Data flow up to date (2) (2015)

Dataflow: PM2.5 Answer questions Continue

N°	Rating block	Evaluation by the country		Evaluation by UNECE/EEA		Rating
		YES	NO	YES	NO	
1	Data flow accessible online	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	😊😊😊
2	Data flow up-to-date	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	😊😊
3	Production methodology available and in accordance with the agreed standard	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	😊😊
4	Data flow assessed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	😊😊
5	Data flow source provided	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	😊

Please answer questions

SEIS performance review



Countries performance in developing SEIS was carried out as part of an exercise aimed at testing of the SEIS reporting mechanism

The secretariat developed and pre-filled excel tables for each of the 67 SEIS data sets for 53 pan-European countries as well as Kosovo

Evaluation according to 5 rating elements with the value of **1** if information required as per the rating element was available on-line or with the value of **0** for the opposite case

rating block									
on-line accessibility of data set		Data set up-to-date		Data set production methodology known and meeting the agreed standard		Data set assessed		Data set source provided	
20%		20%		20%		20%		20%	
0	0	0	0	0	0	0	0	0	0
1	0,2	0	0	1	0,2	1	0,2	1	0,2

Review of progress in establishing SEIS



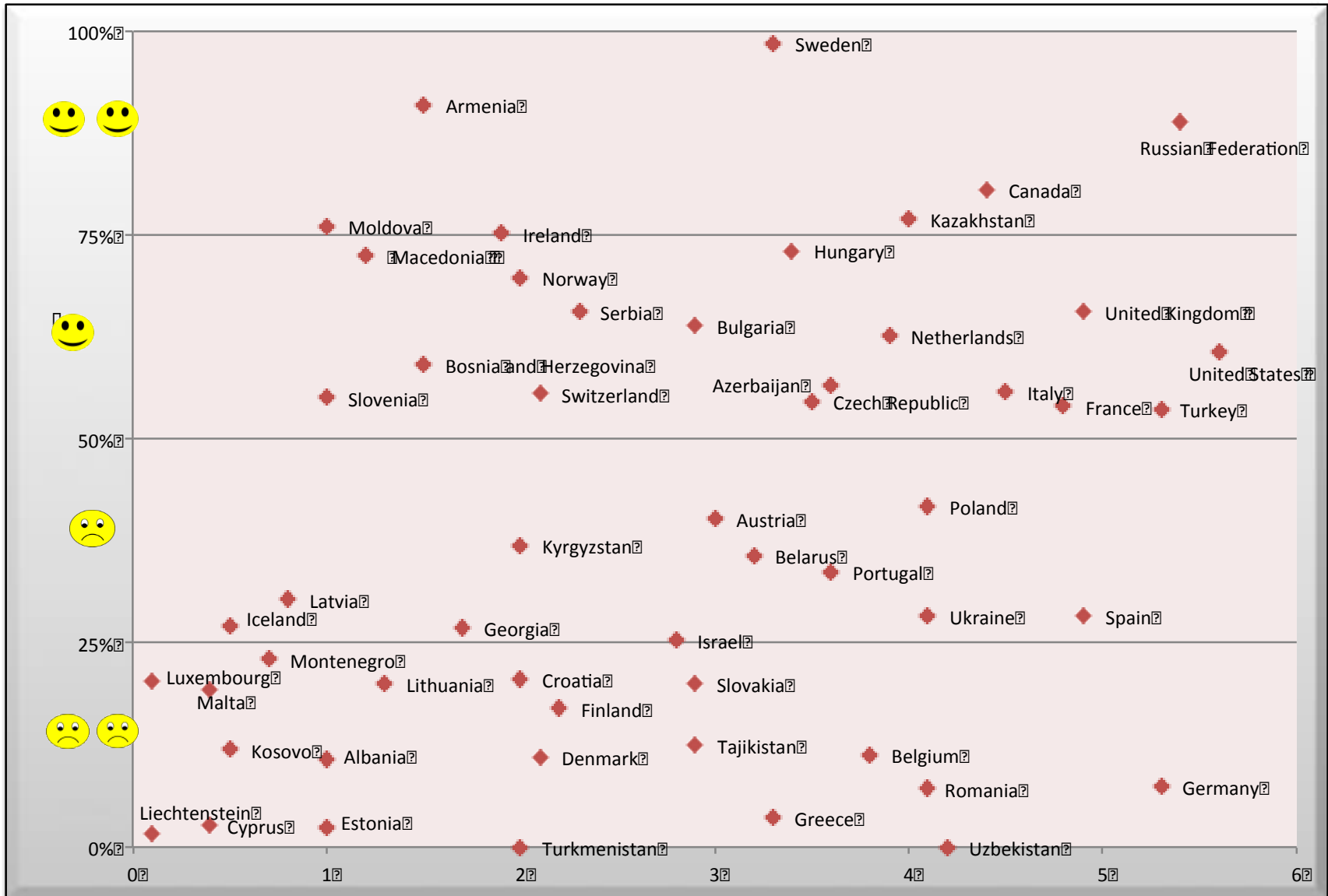
Current status of SEIS establishment in the pan-European region based on the results of the desk review* done as testing of the SEIS reporting mechanism:

Overall performance: **40 per cent** of data sets and related information is available and accessible on-line

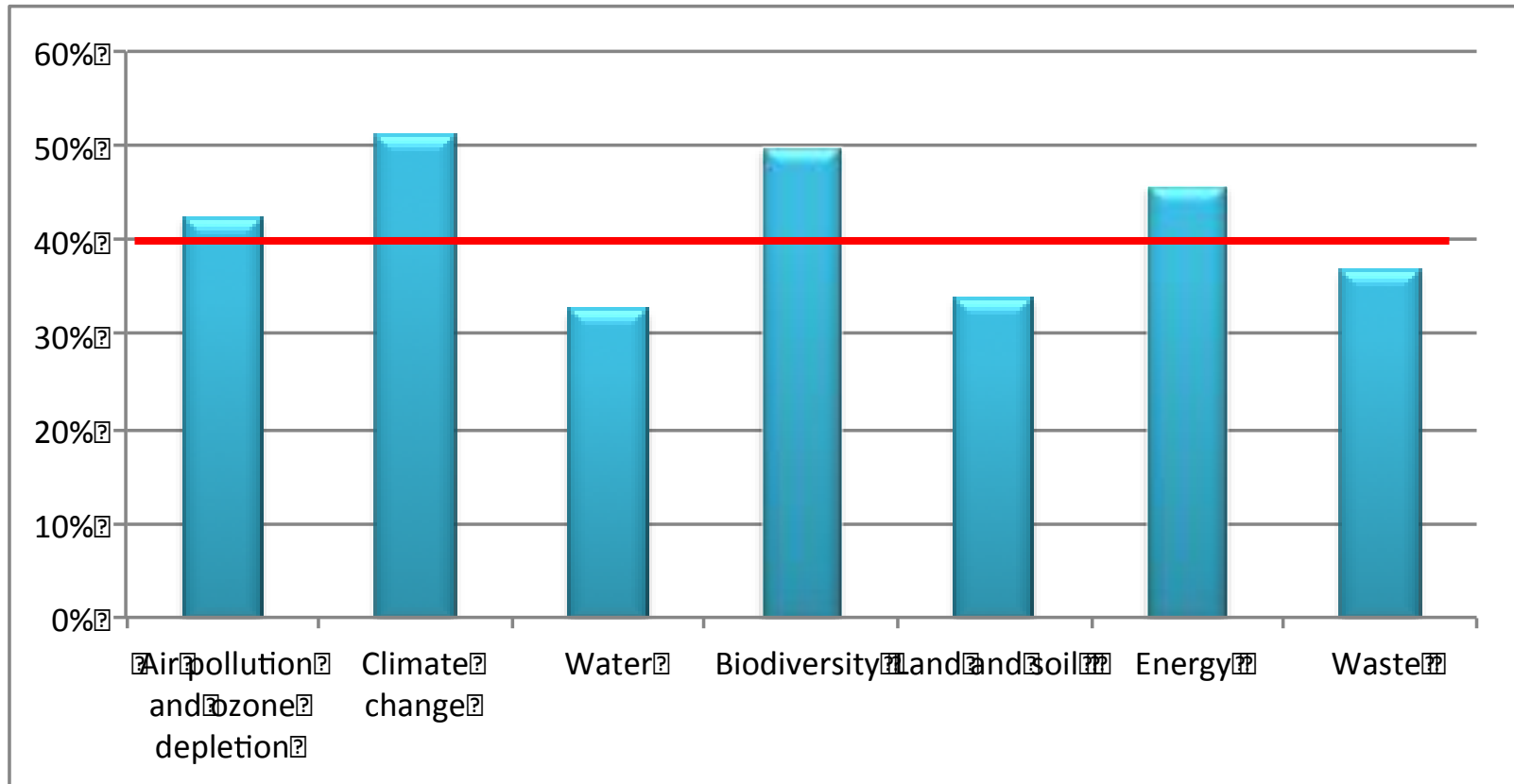
The performance varies between countries – countries with high score versus countries that do not yet publish online SEIS data sets

* the results of testing have been reviewed by Azerbaijan, Armenia, Belarus, Bosnia and Herzegovina, France, the former Yugoslav Republic of Macedonia, Moldova, Russian Federation, Serbia

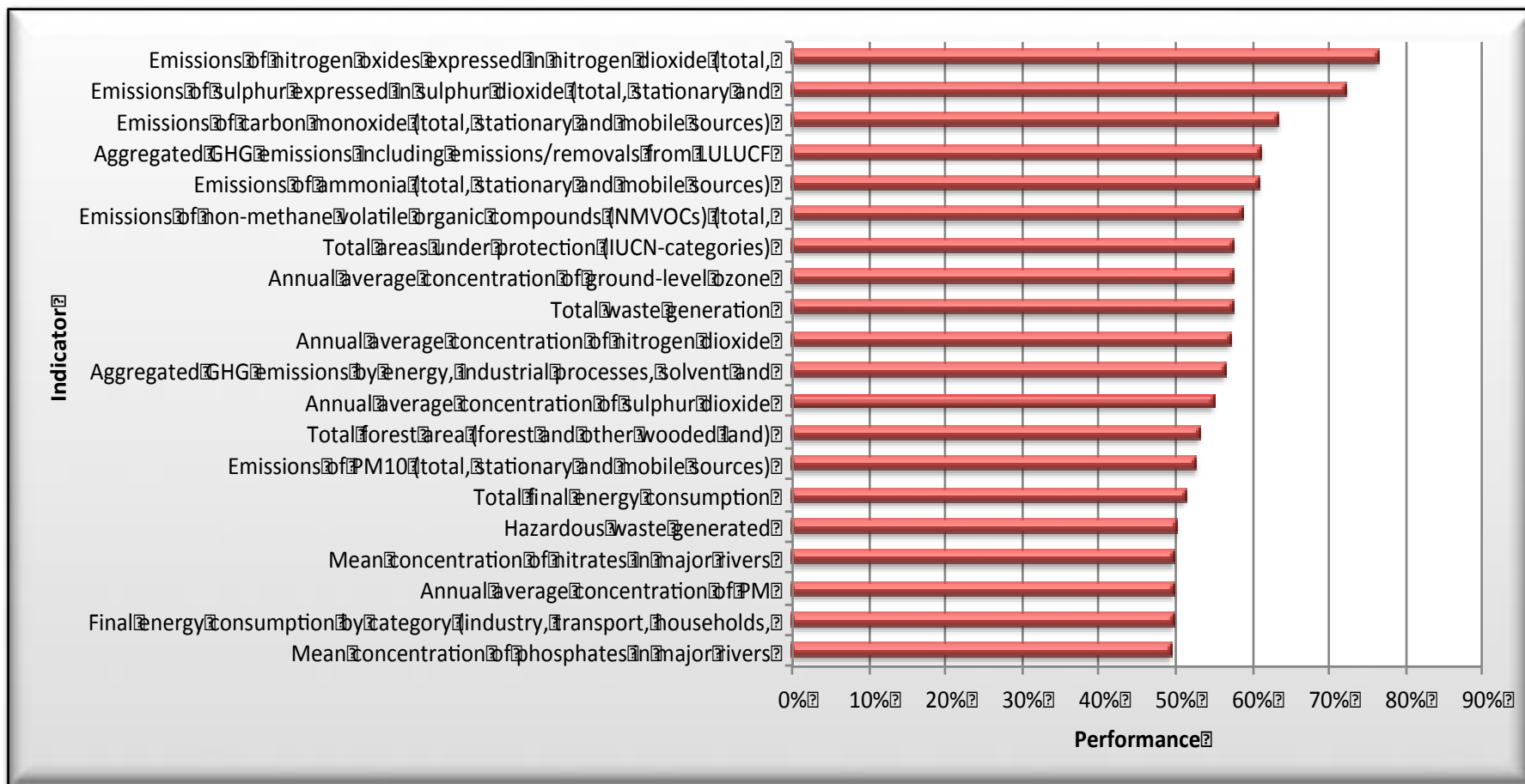
The overall performance



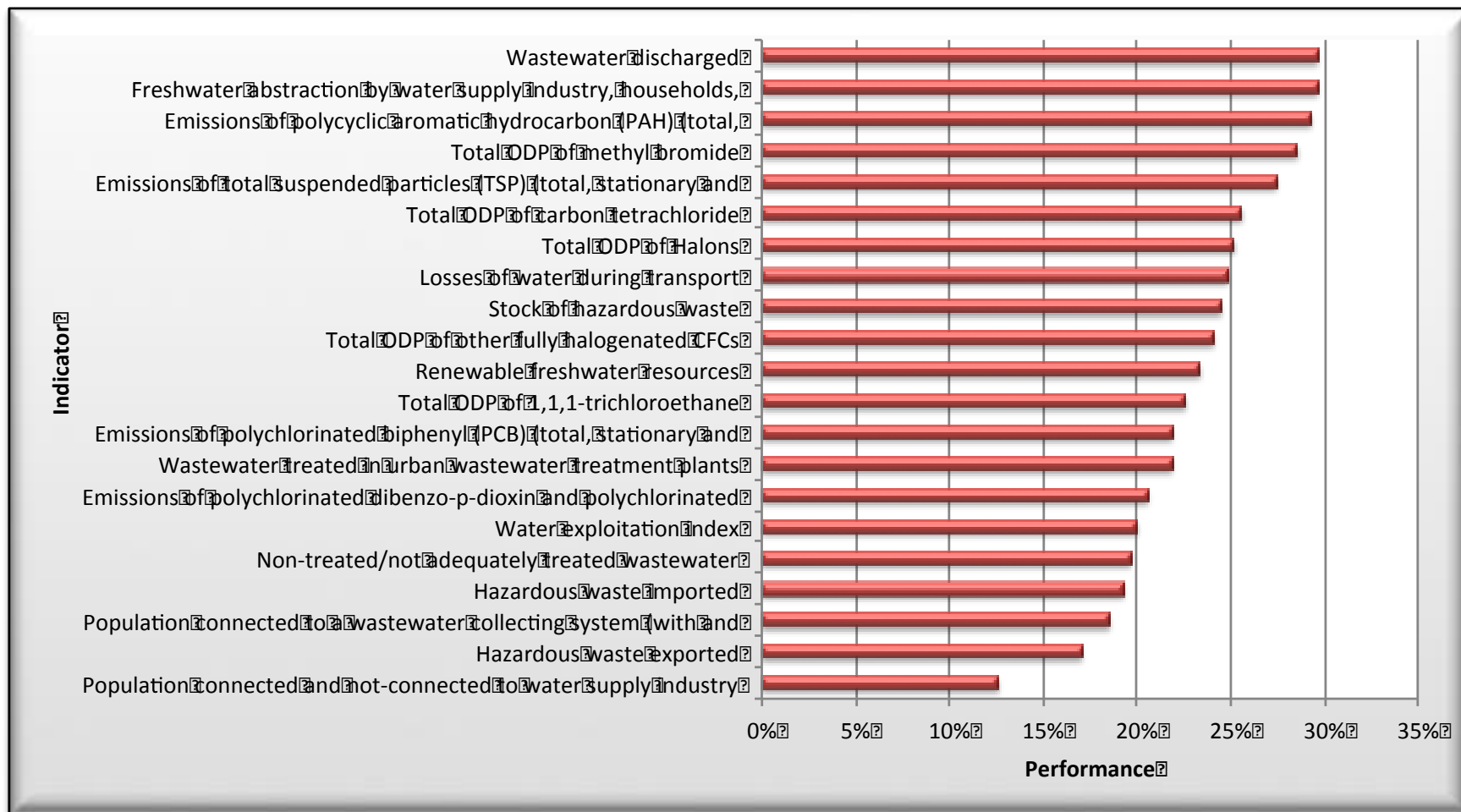
Performance by thematic areas



20 data sets with the highest performance score



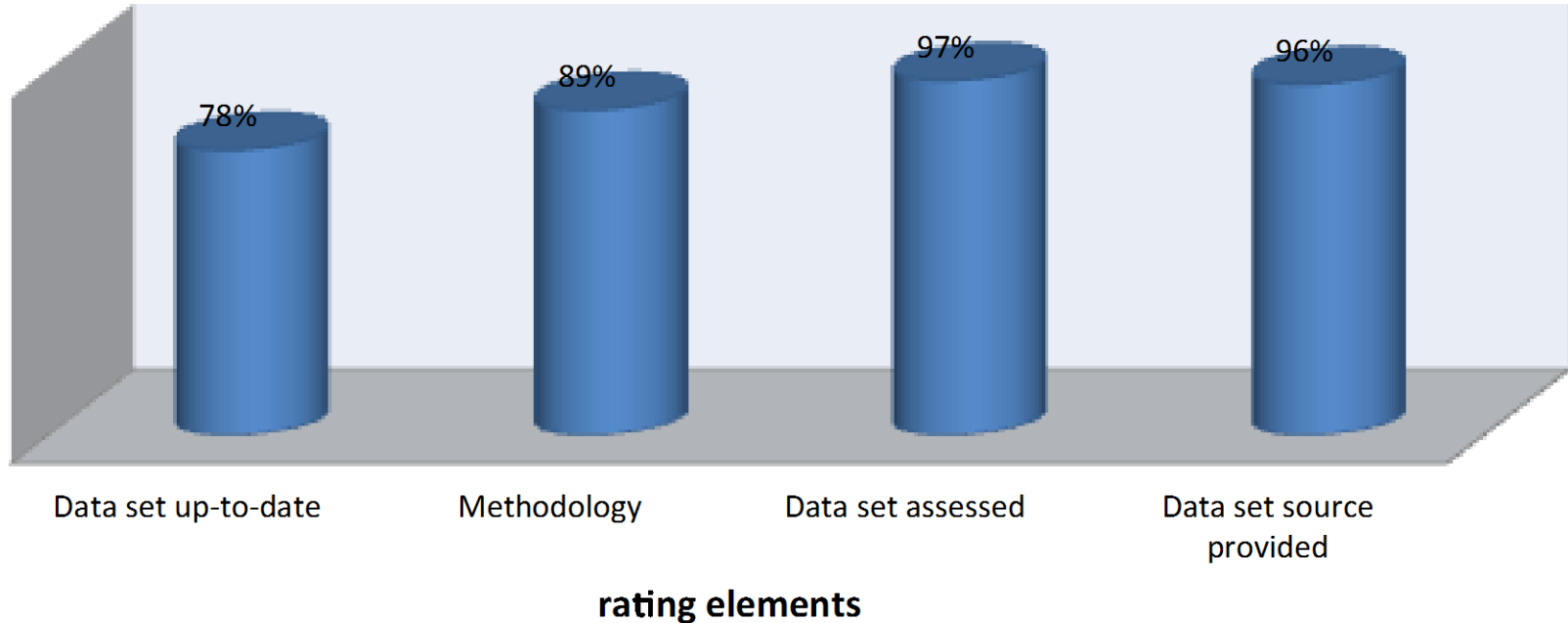
20 data sets with the lowest performance score



Performance by rating elements



■ Performance



Conclusions

7 countries achieved high level of SEIS performance

Updating the data with most recent time series can be considered as not fully satisfactory.

Providing links to data methodologies, data interpretation and data source is not an issue for countries.

The current evaluation has not considered fulfilment of internationally accepted standards for data set production, neither the type nor quality of data interpretation

SEIS performance assessment needs to be reviewed by all countries
With it a SEIS performance baseline is to be available for every country

Way forward

In the coming years the performance will be evaluated vis-à-vis the performance of the past years and a performance over time will be presented. The goal for the countries will be to achieve improvements (maintain high level of performance) rather than regress in the establishment of SEIS over time

For improving their performance countries would also be supported by the gap identification function (for content, institutional cooperation or infrastructure) included in the reporting mechanism

Finalizing the review report

Any component to be further elaborated or added?

How to ensure validation of the performance review by all UNECE countries? – only 9 reviews so far

What should be the schedule for finalizing the report (submission to CEP should be done minimum 2 weeks before CEP's meeting, i.e. mid-Oct)?

What should be the schedule for updating it based on CEP's comments?