

**Eighteenth session**  
Geneva, 28-29 June 2016  
Palais des Nations  
Meeting room VIII



# Working Group on Environmental Monitoring and Assessment

## **Moving forward from Batumi: Establishment and implementation of the Shared Environmental Information System in the pan-European region**

Filip Aggestam

UNECE Programme on Environmental Monitoring and Assessment  
Environment Division

# SEIS Progress Reporting: Recap

**16<sup>th</sup> Session**  
Istanbul, April  
2015

**17<sup>th</sup> Session**  
Geneva,  
September  
2015

**CEP Special  
Session,**  
February 2016

**Eighth EFE  
Ministerial  
Conference,**  
June 2016

WGEMA was mandated to review progress in establishing SEIS, and the first report was launched at the EfE Ministerial Conference in Batumi in June 2016.

# SEIS Progress Reporting: Recap

## **WGEMA had agreed to**

- Assess progress in establishing SEIS in support of regular reporting in the pan-European region
- Develop a reporting mechanism for managing SEIS and collect information on the availability and on-line accessibility of SEIS data sets and related information

# SEIS Progress Reporting: Recap

## The review process

- Desk study conducted in the period between August 2015 and January 2016
- Secretariat collected all relevant information related to each environmental data set available online
- Data sets were rated according to the five criteria for review
  - Online accessibility
  - Update regularity
  - Production methodology
  - Data interpretation and use
  - Data source

# SEIS Progress Reporting: Recap

## Extending the analysis

- Diversity in how SEIS-relevant data set are published online is not fully reflected.
  - some countries have all their data available on only one website while others have several focal points and the information is spread across many platforms and types of media.
  - most websites still present all publically available information in one language.
  - user friendliness vary significantly (e.g. clarity and the way data is being presented).
- Initial approach has not been satisfactory in addressing variations in online accessibility.
- Need to further develop the reporting mechanism to address and monitor performance gaps over time.

# Next steps for the annual SEIS progress reporting: Reviewing the review criteria, SEIS targets and performance indicators.

## Criteria for Review

- I. Online accessibility
- II. Update regularity
- III. Production methodology
- IV. Data interpretation and use
- V. Data sources

The data set can be easily accessed by anybody at any time online.

The data set is updated with figures of the latest agreed production period.

Detailed information on standard methodologies and calculation methods for the production of the data set is provided. The detailed information should further confirm that the applied methodology is in accordance with the agreed standard methodology for the production of the particular data set.

# Next steps for the annual SEIS progress reporting: Reviewing the review criteria, SEIS targets and performance indicators.

- I. Online accessibility
- II. Update regularity
- III. Production methodology
- IV. Data interpretation and use
- V. Data sources

The data set is supported by information about what it presents and how to understand the changes in data sets over time. Information should also be provided on how the collected data was interpreted and used (e.g., for state-of-the-environment reporting or to support environmental policymaking). Information should furthermore be provided in the national language and in an international language (English and/or Russian) to be accessible to the national and international community.

The institution responsible for the production of the data set, its source and contact details are available.

# Next steps for the annual SEIS progress reporting: Reviewing the review criteria, SEIS targets and performance indicators.

- I. Online accessibility
- II. Update regularity
- III. Production methodology
- IV. Data interpretation and use
- V. Data sources

Performance Score										
	On-line accessibility		Update regularity		Production methodology		Data interpretation and use		Data source	
	20%		20%		20%		20%		20%	
Dataset	1	0.2	1	0.2	1	0.2	1	0.2	1	0.2

**Aggregated score**

Rating was done with a “yes” (value of 1) or “no” (value of 0)

**78%**



# Next steps for the annual SEIS progress reporting: Reviewing the review criteria, SEIS targets and performance indicators.

- I. Online accessibility
- II. Update regularity
- III. Production methodology
- IV. Data interpretation and use
- V. Data sources

**Analysis was extended for the SEIS progress report**

1/0 is rating insufficient to reflect variations in how content is published.

- No. languages
- No. online platforms
- Formats published (e.g. *only online or also in reports*)
- User-friendliness

The results reflect the need to improve our understanding about the main quality characteristics of the data sets

# Next steps for the annual SEIS progress reporting: Reviewing the review criteria, SEIS targets and performance indicators.

- I. Online accessibility
- II. Update regularity
- III. Production methodology
- IV. Data interpretation and use
- V. Data sources

## Data production, use and quality

How can we review data production, use and quality?

How can we facilitate comparability over time?

How can we account for varying demands on data producers?

# Next steps for the annual SEIS progress reporting: Reviewing the review criteria, SEIS targets and performance indicators.

- I. Online accessibility
- II. Update regularity
- III. Production methodology
- IV. Data interpretation and use
- V. Data sources

Creating a quality profile that take into account main quality features of relevant indicators

**Integrating a quality component as part of the self-assessment**

- Relevance
- Forms of dissemination
- Changes over time
- Comparability and coherence with other sources
- Availability of metadata and documentation
- Methods used

# Next steps for the annual SEIS progress reporting: Reviewing the review criteria, SEIS targets and performance indicators.

## **Recommendations for implementation**

- Pilot a quality definition and associated quality components, taking into account specificities of the data producer.
- Integrate quality considerations as an inherent part of the self assessment.

## **Additional considerations**

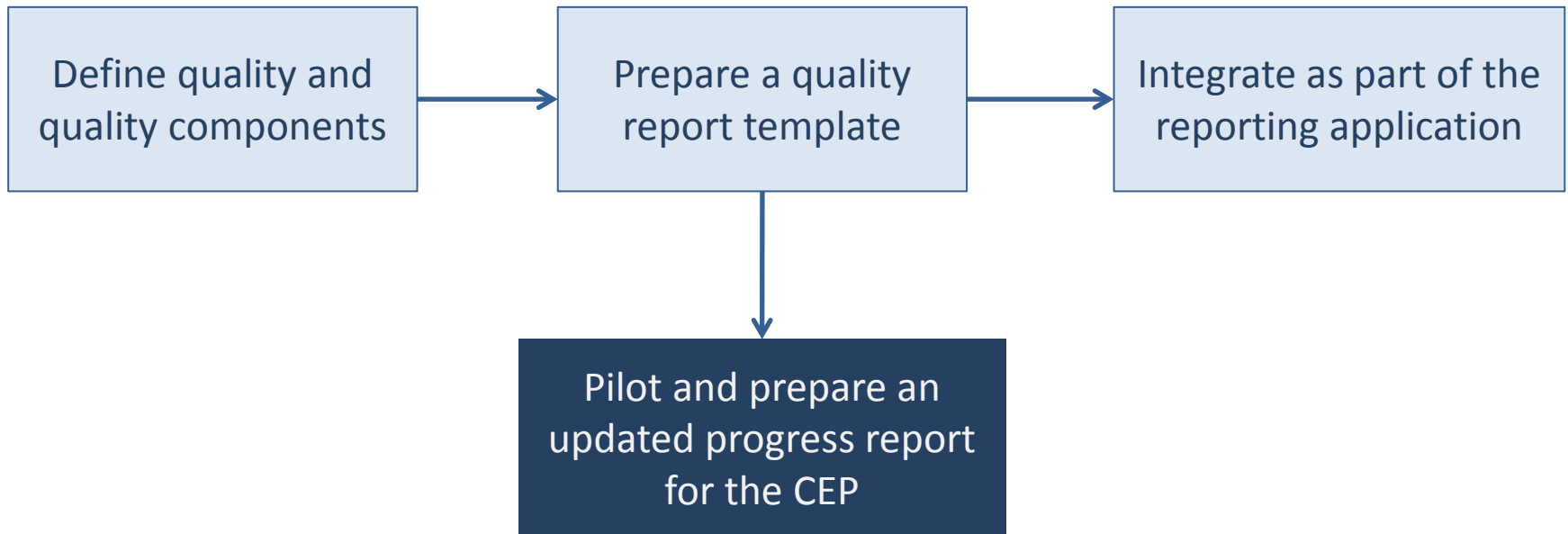
- Burden should remain at an acceptable level.
- Updating review criteria in parallel with developing the reporting application.

## **Output**

- Develop a simplified quality report as part of the self assessment.

# Next steps for the annual SEIS progress reporting: Reviewing the review criteria, SEIS targets and performance indicators.

## Implementation process



# Questions and comments