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# REGIONAL TRAINING ON THE PRODUCTION AND USE OF WASTE AND CIRCULAR ECONOMY STATISTICS AND INDICATORS

20-21 June 2024, Vienna International Centre (VIC), Vienna

# SEIS REPORTING

## -INDICATORS ON WASTE AND CIRCULAR ECONOMY

- During the 24th session (11-12 April 2022) of Working Group on Environmental Monitoring and Assessment it was agreed to review annually a limited number of environmental themes and indicators based on the SEIS assessment framework that was decided during the twenty-first session of the Working Group on Environmental Monitoring and Assessment (6 and 7 May 2019), and that the revised UNECE indicator guidelines should be implemented and used.
- The theme “air pollution and air quality” was reviewed in 2023, the results of the review were presented during the 25<sup>th</sup> session of the Working Group (18-19 April 2024).
- For 2024 the theme “waste” is scheduled for revision, followed by “energy, including renewable energy” in 2025.

# SEIS REPORTING

## INDICATORS ON WASTE AND CIRCULAR ECONOMY

The reporting for 2024 will include the following six priority indicators for the Waste topic from the latest Revised Guidelines for the Application of Environmental Indicators:

- I-1.2 Total waste generation.
- I-1.1 Municipal waste generated per capita.
- I-1.3 Waste generation intensity per unit of GDP.
- I-2.1 Hazardous waste generated per capita (SDG indicator 12.4.2)\*.
- I-3.2 National recycling rate, tons of material recycled (SDG indicator 12.5.1)\*.
- I-2.2 Proportion of hazardous waste treated, by type of treatment (SDG indicator 12.4.2).

# SEIS REPORTING – INDICATORS ON WASTE AND CIRCULAR ECONOMY

Two Circular Economy indicators are also included in the 2024 reporting:

- I-1.5 Domestic material consumption, domestic material consumption per capita, and domestic material consumption per GDP (SDG indicator 12.2.2)\*.
- I-4 Final waste disposal.

## THE ASSESSMENT FRAMEWORK

- The purpose of the assessment framework is to be used for the review of progress in establishing the Shared Environmental Information System in Europe and Central Asia, including the questions to be posed, the indicators to be reviewed and the application of the chosen scoring system.
- It will be based on responses by countries to questions on selected indicators in the following seven categories: relevance; accuracy; timeliness and punctuality; accessibility; clarity; comparability; and institutional and organizational arrangements.
- It includes a scoring mechanism.

# REPORT ON THE SEIS REVIEW OF THE ENVIRONMENTAL THEMES “WASTE” AND “CIRCULAR ECONOMY” USING THE REVISED UNECE INDICATORS

- Will contribute to assessing progress in implementing the outcomes of the Ninth Environment for Europe Ministerial Conference related to SEIS.
- Will support countries to understand SEIS as part of their regular internal environmental monitoring process, assess their capacities related to the availability and quality of data and indicators related to waste and circular economy, and help identify resource needs for regular environmental monitoring and assessment based on the key findings of the report.
- The outline of the report will be based on the final review report on the establishment of SEIS (ECE/NICOSIA.CONF/2022/8) launched at the Conference, and the SEIS assessment framework (ECE/CEP-CES/GE.1/2019/3).
- It will be composed by (i) an introduction to the SEIS and the revised UNECE set of environmental indicators, (ii) an overview of key findings and progress made in terms of content, infrastructure and institutional cooperation, and (iii) the further steps to be taken by assessment framework category.

## 2024 SEIS REVIEW – INDICATORS RELATED TO “WASTE” AND “CIRCULAR ECONOMY”

- The reporting on waste and circular economy will be done by completing an Excel file reporting tool.
- The reporting tool will be sent to countries at the end of June 2024.
- The deadline for reporting will be until the 31st of August 2024.

## MACRO-LEVEL QUESTIONS

- 1. Please outline steps that have been taken to further the establishment of a Shared Environmental Information System since the 2023 latest assessment.
- 1.1. Please provide links to any supporting information for relevant programmes, projects and/or initiatives.
- 2. How regularly do you produce an indicator-based national state-of-the-environment report?
- 2.1. Please provide a link to the latest report.
- 2.2. Please explain why reports are not being produced or are not produced with regular frequency based on the associated environmental indicators.
- 13. Do you produce any integrated environmental reports covering several thematic areas?
- 3.1. Please specify the thematic areas covered.
- 3.2. Please specify how regularly you produce this/these report(s).
- 3.3. Please provide the link(s) to the report(s).
- 3.4. Please explain why no reports are being produced based on the associated environmental indicators.
- 12.3. Is there an integrated portal in place for environmental information and data?



## THEMATIC QUESTIONS

- 4. How often do you collect user feedback to assess whether the indicators within the thematic area meet the needs of users? (If your answer is “C”, please go directly to question 5).
- 4.1. Please specify further how user feedback is being collected.
- 4.2. What steps have been taken to respond to any user feedback and how have you improved the indicators within the thematic area based on user feedback?
- 12.2 Have you taken any other steps to improve the accessibility of the indicators within the thematic area?
- 14. How are the indicators within the thematic area linked to national policy targets?
- 18. Is there national legislation and/or plans, programmes or strategies in place on monitoring and reporting in relation to the thematic area?
- 18.1. Please list the legislation, plans, programmes or strategies.
- 19. Please list all institutions involved in monitoring and reporting in relation to the thematic area, including links to their websites.
- 19.1. Are there any institutional arrangements for regular production and sharing of data between various institutions at the national level?
- 19.2. Please specify what institutional arrangements are in place and how they are relevant to the thematic area in question.

## THEMATIC QUESTIONS

For Waste indicators two new thematic questions are added:

- 20.1. Are you producing non-priority indicators in the thematic area in question?
- 20.2. If the answer to the previous question is "Yes" please provide a link to the portal where the respective information is displayed.

## INDICATOR QUESTIONS

5. Is the indicator used for more than one purpose (for example, for the display of national values, display of regional values, various reporting obligations)?

5.1. Please explain how the indicator is being used for multiple purposes.

6. Where do you get the primary data from (please select all options that apply)?

7. Are data validation procedures in place?

7.1. Please explain what data validation procedures are in place and how they are being applied

8. Are there procedures in place to carry out revisions to the data (for example, due to methodological change, new data, errors or new mandate)?

8.1. Please specify what procedures are in place and how they are applied.

9. How often is the indicator published?

10. What is the reference year of the last data point?

10.1. What year was the data collected?

11. When was the last data point published?

11.1. What is the timeliness of the data flow?

## INDICATOR QUESTIONS

12. Is the indicator readily available and accessible online for users on a national platform?

12.1. Please provide a link to the indicator.

13. In what formats is the indicator presented?

13.1. Please describe the factsheet by selecting as many options as apply.

15. Are metadata available for the indicator?

15.1. Please describe the metadata by selecting as many options as apply. If you select “Other”, please provide a short description of the kind of metadata. 16. Do you publish time series for this indicator?

16.1. What is the length of the time series of the indicator?

16.2. Are there any breaks in the time series of the indicator (for example, owing to a change of methods)?

16.3. Please explain why there are breaks in the time series.

17. Are there any limitations in comparing the indicator across countries in the pan-European region? (will be answered by the Secretariat).

# EXCEL FILE REPORTING TOOL

## Macro level questions sample

|    | D   | K              | L                         | X                        | Y             | Z              |
|----|---|----------------|---------------------------|--------------------------|---------------|----------------|
| 1  | <b>Country:</b>   |                |                           |                          |               | <b>Legend:</b> |
| 2  | <b>Level:</b>   | <b>Macro</b>   |                           |                          |               |                |
| 3  | <b>Theme:</b>   | n/a            |                           |                          |               |                |
| 4  | <b>Country Focal Point and contact details:</b>   |                |                           |                          |               |                |
| 5  |   |                |                           |                          |               |                |
|    | <b>Questions</b>  | <b>Scoring</b> | <b>Format for answers</b> | <b>ANSWER</b>            | <b>ANSWER</b> | <b>ANSWER</b>  |
| 6  |   |                |                           |                          |               |                |
| 7  |   |                |                           |                          |               |                |
| 8  | 1. Please outline steps that have been taken to further the establishment of a Shared Environmental Information System since the 2023 latest assessment.        | No             | Open                      |                          |               |                |
| 9  | 1.1. Please provide links to any supporting information for relevant programmes, projects and/or initiatives.   | No             | Open                      |                          |               |                |
| 10 | 2. How regularly do you produce an indicator-based national state-of-the-environment report? (If your answer is "D" or "E", please go directly to question 2.2) | Yes            | Please select an answer:  | Please select an answer: |               |                |
| 11 | 2.1. Please provide a link to the latest report.  | No             | Open                      |                          |               |                |
| 12 | 2.2. Please explain why reports are not being produced or are not produced with regular frequency based on the associated environmental indicators.             | No             | Open                      |                          |               |                |
| 13 | 3. Do you produce any integrated environmental reports covering several thematic areas? (If your answer is "No", please go directly to question 3.4)            | Yes            | Please select an answer:  | Please select an answer: |               |                |

# EXCEL FILE REPORTING TOOL

## Thematic and indicator questions sample

| Country Focal Point and contact details:  |           |                            |  |                                       |       |  |          |         |                          | Legend:                  |        |        |        |
|---|-----------|----------------------------|--|---------------------------------------|-------|--|----------|---------|--------------------------|--------------------------|--------|--------|--------|
| Questions   | Level     | Theme (old classification) | Subcomponent (revised indicators guidelines) | Topic (revised indicators guidelines) | Code  | Indicator (revised indicators guidelines)  | Priority | Scoring | Format for Answers       | ANSWER                   | ANSWER | ANSWER | ANSWER |
| 4. How often do you collect user feedback to assess whether the indicators within the thematic area meet the needs of users? (If your answer is "C", please go directly to question 5)                                      | Thematic  | I. Waste                   | Generation and management of waste           | All                                   |       |  |          | Yes     | Please select an answer: | Please select an answer: |        |        |        |
| 4.1. Please specify further how user feedback is being collected.   | Thematic  | I. Waste                   | Generation and management of waste           | All                                   |       |  |          | No      | Open                     |                          |        |        |        |
| 4.2. What steps have been taken to respond to any user feedback and how have you improved the indicators within the thematic area based on user feedback?   | Thematic  | I. Waste                   | Generation and management of waste           | All                                   |       |  |          | No      | Open                     |                          |        |        |        |
| 5. Is the indicator used for more than one purpose (for example, for the display of national values, display of regional values, various reporting obligations)? (If your answer is "No", please go directly to question 6) | Indicator | I. Waste                   | Generation and management of waste           | Generation of waste                   | I-1.2 | Total waste generation   | Yes      | Yes     | Please select an answer: | Please select an answer: |        |        |        |
| 5. Is the indicator used for more than one purpose (for example, for the display of national values, display of regional values, various reporting obligations)? (If your answer is "No", please go directly to question 6) | Indicator | I. Waste                   | Generation and management of waste           | Generation of waste                   | I-1.1 | Municipal waste generated per capita   | Yes      | Yes     | Please select an answer: | Please select an answer: |        |        |        |
| 5. Is the indicator used for more than one purpose (for example, for the display of national values, display of regional values, various reporting obligations)? (If your answer is "No", please go directly to question 6) | Indicator | I. Waste                   | Generation and management of waste           | Generation of waste                   | I-1.3 | Waste generation intensity per unit of GDP   | Yes      | Yes     | Please select an answer: | Please select an answer: |        |        |        |
| 5. Is the indicator used for more than one purpose (for example, for the display of national values, display of regional values, various reporting obligations)? (If your answer is "No", please go directly to question 6) | Indicator | I. Waste                   | Generation and management of waste           | Generation of waste                   | I-2.1 | Hazardous waste generated per capita (SDG indicator 12.4.2)*                       | Yes      | Yes     | Please select an answer: | Please select an answer: |        |        |        |
| 5. Is the indicator used for more than one purpose (for example, for the display of national values, display of regional values, various reporting obligations)? (If your answer is "No", please go directly to question 6) | Indicator | I. Waste                   | Generation and management of waste           | Management of waste                   | I-3.2 | National recycling rate, tons of material recycled (SDG indicator 12.5.1)*         | Yes      | Yes     | Please select an answer: | Please select an answer: |        |        |        |
| 5. Is the indicator used for more than one purpose (for example, for the display of national values, display of regional values, various reporting obligations)? (If your answer is "No", please go directly to question 6) | Indicator | I. Waste                   | Generation and management of waste           | Management of waste                   | I-2.2 | Proportion of hazardous waste treated, by type of treatment (SDG indicator 12.4.2) | Yes      | Yes     | Please select an answer: | Please select an answer: |        |        |        |
| 4.1. Please specify further how the indicator is being used for multiple  | Indicator | I. Waste                   | Generation and management of waste           | Generation of waste                   |       |  | Yes      | No      | Open                     |                          |        |        |        |

# THANK YOU FOR YOUR ATTENTION!

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<https://unece.org/environmental-policy/events/regional-training-production-and-use-waste-and-circular-economy>

<https://www.eu4waterdata.eu/en/>