Industrial Pollution
As a new area of work for EEA

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Overview of the presentation

1. Industrial Pollution: new work area in EEA’s Work Plan 2014-2018
   – Rationale
   – Framework definition
     • Policies covered
     • Geographical scope

2. EIONET involvement

3. Multi-annual Work Plan (MAWP) 2014-2018
   – MAWP processes and deliverables
   – Industrial pollution team

4. Info on LCP, IED and E-PRTR policy and reporting developments
   – LCP reporting
   – IED reporting framework development
   – E-PRTR
1. **Building of solid knowledge base in the field of industrial pollution**
   - Transparency: information for all relevant stakeholders
   - Assessments: Use in indicator assessment, state-of-environment reporting, integrated assessment work and policy-effectiveness evaluation

2. **Consolidation and streamlining of reporting**
   - Decreasing administrative burden
   - Establishing a more integrated and transparent knowledge base (through integrated reporting / linking of reported information)

3. **Stronger involvement of the EIONET network**
   - Implementation of reporting: e.g. establishment of reporting under IED
   - Evaluation of options for streamlining of reporting for industrial point source information
   - Policy evaluation
   - Indicator development
Industrial pollution as a **new area of work** – Policy context

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<thead>
<tr>
<th>Scope</th>
<th>EU policy framework</th>
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<tbody>
<tr>
<td></td>
<td>• Industrial Emissions Directive (IED)</td>
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<td></td>
<td>• European Pollutant Release and Transfer Register (E-PRTR)</td>
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<td></td>
<td>• Large Combustion Plant (LCP) Directive</td>
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<td></td>
<td>• Ozone-Depleting Substances (ODS) Regulation</td>
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<td>• Fluorinated Gases (F-Gas) Regulation</td>
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<td></td>
<td>• EU Emission Trading System (EU ETS) art. 21 – implementation reporting</td>
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<td>• (‘Legacy reporting’ under IPPC, WI, SE Directives)</td>
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<th>International policy context</th>
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<td>• UNECE PRTR Protocol</td>
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<td>• Montreal Protocol on ODS</td>
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<td>• Convention on Long Range Trans-boundary Air Pollution (CLRTAP) – Large Point Sources</td>
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<tr>
<th>Out of scope</th>
<th>Not considered at present</th>
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<tr>
<td></td>
<td>• Mercury Export Ban Directive / Minamata Convention on Mercury</td>
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<td>• Directive on safety of offshore oil and gas operations</td>
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<td>• Seveso II and III Directives</td>
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<td>• Proposal for a Directive on Medium Combustion Plants (MCPs)</td>
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<th>Not covered by the work area</th>
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<tr>
<td>• Policies related to industrial pollution covered by other work areas within EEA</td>
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<tr>
<td>- [EU Emission Trading System (EU ETS) – data on emissions and allowances]</td>
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<tr>
<td>- CO2 emissions from cars, vans and heavy-duty vehicles</td>
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Industrial pollution as a new area of work
– Geographical scope

Scope

• Overall EEA priority/scope: provide support to the implementation of the acquis
• Industrial Pollution scope:
  - EU Member States
  - Countries covered by the European Economic Area (EEA) agreement
  - Switzerland
  - Turkey: bilateral discussions to be organised to identify the specific needs related to the work area

Out of scope

• countries covered by Horizon2020 and ENPI (European European Neighbourhood and Partnership Instrument) and
• EEA collaborating countries

Note: This reflects the balancing of the EEA’s geographical priorities in a climate of retraction and resource cuts. In the case of availability of extra resources, specific tasks for these ‘out-of-scope’ countries can be included in the workplan. In this case priority will be given to activities which improve data compilation to support the State of Environment reporting for the Pan-European region.
Increased Eionet involvement

1. Establishment of an NRC on Industrial Pollution
2. Annual EIONET workshop (first workshop foreseen in October)

Benefits

1. Improved/increased communication with EIONET
   • With NRC versus with NFP and through Commission networks

2. Upstream involvement
   • E.g. development of IED reporting framework
   • Policy evaluation work
   • Data quality feedback
   • Indicator development
Delivering the MAWP 2014-2018
- Industrial pollution (ACC2)

Objective

To support and inform policy development and implementation in the area of emissions from industrial sources by means of data, information/indicators and assessments.

Specifically:

- **Data compilation, quality assurance, dissemination, international reporting Montreal Protocol**
  (datasets, dataviewers, maps, ‘up to date’ information etc.)
  (E-PRTR, LCP, IED, F-gases, ODS, EU ETS)

- **Policy support, tracking progress to targets**

- **Thematic assessments, cross-cutting activities**
  (development of indicator(s) on industrial pollution)

- **Consolidation and streamlining**

  - to support and inform countries with existing and future data reporting
  - to manage efficiently and effectively the annual data-flows related to F-gases, ODS and E-PRTR
  - to support European Commission and countries by performing data QA/QC activities, preparing summary reports, supporting the respective policy processes and for ODS supporting the annual EU submission to the Montreal Protocol;
  - to deliver targeted indicators and cross-cutting assessments identifying the environmental, health and economic impacts of pollutant releases from industrial facilities to air, water, soil and in waste, including studies assessing the effectiveness of industrial emissions mitigation policies, costs of pollution from industrial facilities and identifying co-benefits of policy measures in these areas;
  - to identify opportunities for consolidation and streamlining across those and related reporting processes (together with the European Commission, member countries and other partners).
Delivering the MAWP 2014-2018

Team

- **F-gases**
- **Ozone-depleting Substances (ODS)**
- **Industrial Emissions Directive (IED)**

- **European Pollutant Release and Transfer Register (E-PRTR)**
- **Large Combustion Plants (LCP)**

- **EU ETS art 21**
- **SOER coordination (cross-ACC)**
- **Policy-effectiveness evaluation (cross-EEA)**

- **Data support**
- **IT coordination**
- **Reporting tools**

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Secretary

**Eva GOOSSENS**
Head of group

[Image: European Topic Centre on Air Pollution and Climate Change Mitigation]
Developments: policy and reporting
- LCP emissions and activity data (under LCP Directive until 2015)

➢ Until 2013
- Report per legal reporting obligation in the LCP Directive
  • Inventories (plant-by-plant): triennial
  • Opt-outs: annual
  • NERP: once (+updates)
- Excel-based reporting
- Minor validations

➢ From 2014 onwards (reporting years 2013-2015)
  • Annual integrated LCP reporting (Commission proposal)
    • Inventories (plant-by-plant)
    • Opt-outs
    • TNP + transitional derogations under LCP Directive
  • Online webform (XML file)
  • Quality assurance
  • Annual publication of reported data
Developments: policy and reporting
- IED legal reporting obligations for point-sources (1)

- First reporting in **2017** (frequency to be further defined)

- Reporting of **identification for each IED installations** in the Member States
  - Name, Location (address + geographical coordinates), Activities covered, Competent authority, Link to permits, Subject to derogation

- **Sectoral ‘spotlight’** – detailed information for each installation
  - Emission Limit Values (ELVs), derogations, transitional periods granted, etc.
  - Glas sector and Iron & Steel sector in 2017

- **Waste incineration and co-incineration** (Plant-specific information)
  - On changes in operating conditions
  - For plants with capacity ≥ 2 tonnes/h: information on operation of the plants including operational hours, cumulative hours of break-downs, level of emissions into air and water, information on functioning and monitoring of the plant

- **Large Combustion Plants**
  - Annual inventory (emissions and fuel use)
  - Derogations (to ELVs, Transitional National Plans, Limited time derogation, small isolated systems, district heating plants, indigenous solid fuel, CP operating ≤ 1500 hours/year)
Developments: policy and reporting
- IED legal reporting obligations for point-sources (2)
Developments: policy and reporting
- IED reporting framework
Developments: policy and reporting
- E-PRTR

- Integration of LCP reporting in E-PRTR as from 2018 onwards

- E-PRTR Refit process
  - ‘Fitness evaluation’
  - Vehicle to assess the need/potentials for further integration of streamlining of point-source legislation
  - Aligned/integrated reporting between E-PRTR, IED, LPS under NEC?

- Export from XML to CLRTAP LPS file
  - Timing: For reporting from 2017 onwards? / first NEC reporting?
  - Challenges include:
    - Definitions of categories/sectors (NFR <> E-PRTR facility <> LCP plant)
    - Split-up between e.g. combustion and process emissions
    - Stack heights