LRTAP Convention
Ecosystems Monitoring Network

Looking for synergies NECD-LRTAP

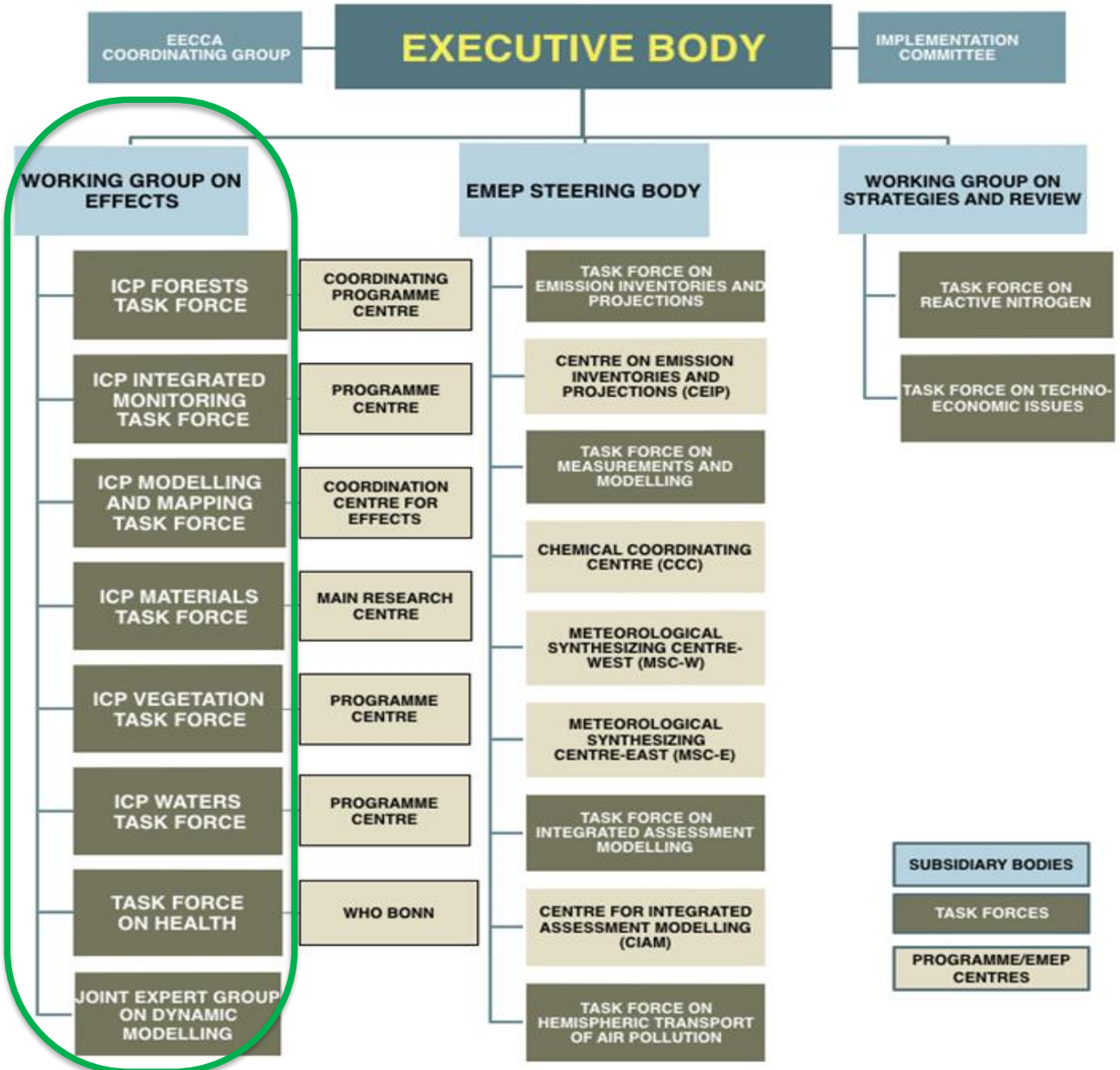
30 November 2018

Isaura Rábago (Chair Working Group on Effects)

On behalf of WGE International Cooperative Programmes:

ICP Forests, ICP Vegetation, ICP Waters, ICP Integrated Monitoring

Long Range Transboundary Air Pollution Convention (UNECE)



LRTAP Long-range Transboundary Air Pollution

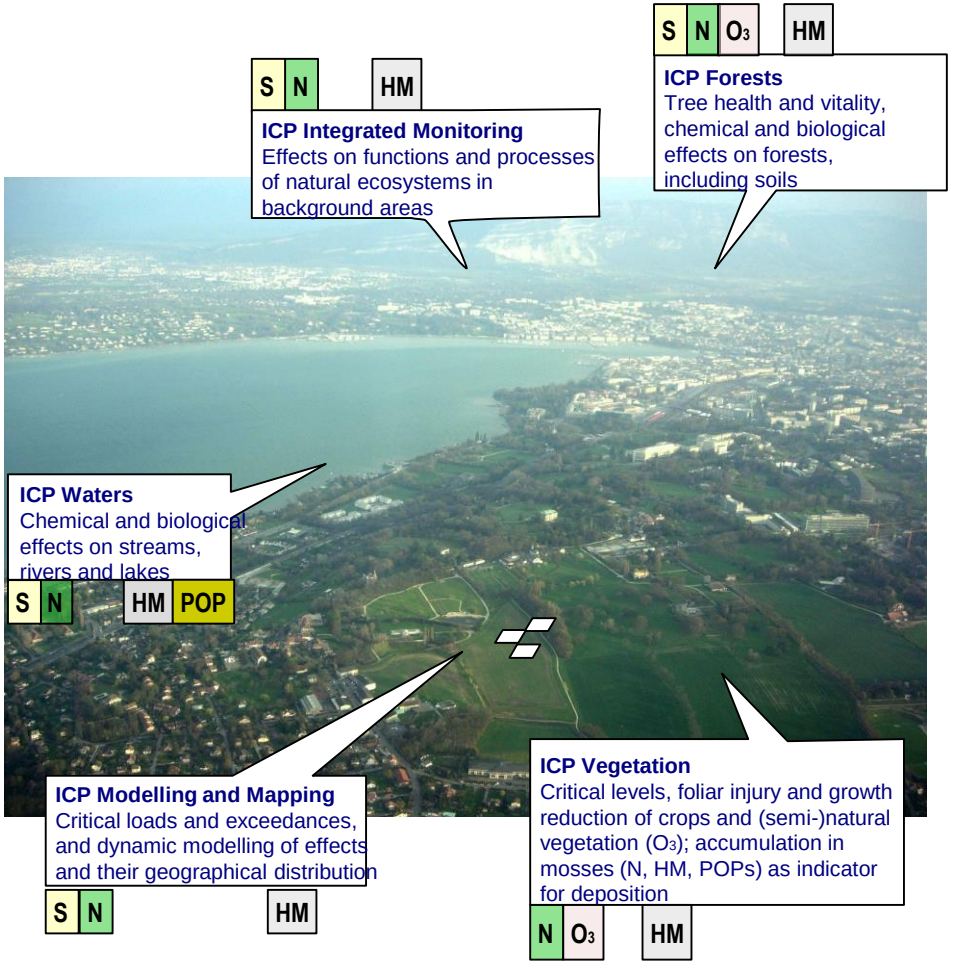
wge Working Group on Effects of the Convention on Long-range Transboundary Air Pollution

Ecosystem Monitoring Network under the WGE (CLRTAP)

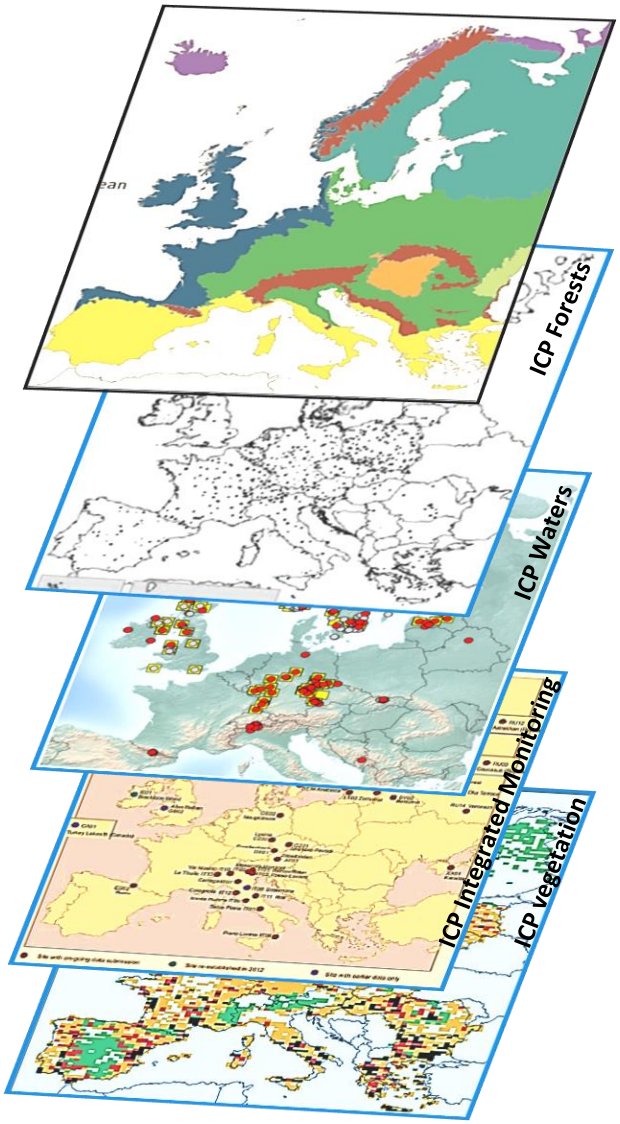
- Specific monitoring for air pollution impacts (S, N, O3, HM)
- For fresh waters, forests, (semi-)natural vegetation, crops
- More than 20 years of experience

Data collection and analysis:

- ecosystem status
- ecosystem changes
- contributing factors
- consequences of changes (trends of impacts or recovery)



Ecosystem Monitoring Network under the WGE (CLRTAP)



- European operational network
- Consistent, coherent and integrative
- Effect-oriented
- Covering aquatic and terrestrial ecosystems
- Representative of Biogeographical Regions
- Historical data sets (10-20 years)
- Agreed common Methodologies
- Manuals available
- Data: collection, processing, analysis and reporting

- ➢ Complemented with Modelling and Mapping tools for effects risk analysis
- ➢ Linked to EMEP monitoring and modelling

Synergies LRTAP ⟷ NECD

NECD

Article 9 **Monitoring air pollution impacts**

1. Member States shall ensure the monitoring of negative impacts of air pollution upon ecosystems based on a network of monitoring sites that is representative of their freshwater, natural and semi-natural habitats and forest ecosystem types, taking a cost-effective and risk-based approach.

To that end, Member States shall coordinate with other monitoring programmes established pursuant to Union legislation including Directive 2008/50/EC, Directive 2000/60/EC of the European Parliament and of the Council (1) and Council Directive 92/43/EEC (2) and, if appropriate, the LRTAP Convention and, where appropriate, make use of data collected under those programmes.

In order to comply with the requirements of this Article, Member States may use the optional monitoring indicators listed in Annex V.

2. The methodologies laid down in the LRTAP Convention and its Manuals for the International Cooperative Programmes may be used when collecting and reporting the information listed in Annex V.

3. The Commission is empowered to adopt delegated acts in accordance with Article 16 to amend this Directive with regard to the adaptation of Annex V to technical and scientific progress and to developments within the framework of the LRTAP Convention.

Synergies LRTAP ⟷ NECD

LRTAP- WGE groups have provided

- Harmonized Methodologies and Manuals for
  - monitoring terrestrial ecosystems
  - monitoring aquatic ecosystems
- Harmonized methodology for POD estimations (Phytotoxic Ozone Dose)
- Scientific advice for the Guidance
- Active participation on the elaboration of the Guidance
- Data -> provided by MS from their participation in the CLRTAP monitoring ICPs

  21 Member States will report data from ICPs monitoring programmes

Synergies LRTAP ⟷ NECD

LRTAP Convention can provide technical & scientific support:

Data reporting and analysis

Assessment of air pollution impacts

Monitoring activities

Critical loads geographical distribution
(and exceedances if needed)

…….

ICPs provide an added value to data:

- ✓ Trends analysis (historical data series)
- ✓ Intercomparative analysis
- ✓ Regional analysis
- ✓ Biogeographical analysis
- ✓ Modelling exercises
- ✓ Reporting on a regular basis

Moving forward……..

- NECD needs ??
- Define scope and agenda of possible collaboration
- Ensure good communication and coordination to take advantage of the synergies that may arise

wge Working Group on Effects of the Convention on Long-range Transboundary Air Pollution

LRTAP Long-range Transboundary Air Pollution

Thank you for your attention!

Contact:

Executive Body: Anna Engleryd (Anna.Engleryd@naturvardsverket.se)

WGE: Isaura Rábago (isaura.rabago@ciemat.es)

ICP Vegetation: http://icpvegetation.ceh.ac.uk
Harry Harmens (hh@ceh.ac.uk)

ICP Forests: http://icp-forests.net/
Marco Ferretti (marco.ferretti@wsl.ch)

ICP Waters: http://www.icp-waters.no/
Gunnar C. Skotte (gunnar.skotte@miljodir.no)
Heleen de Wit (heleen.de.wit@niva.no)

ICP Integrated Monitoring: http://www.syke.fi/nature/icpim
Martin Forsius (martin.forsius@ymparisto.fi)
Salar Valinia (Salar.Valinia@Naturvardsverket.se)
Ulf Grandin (ulf.grandin@slu.se)

UNECE