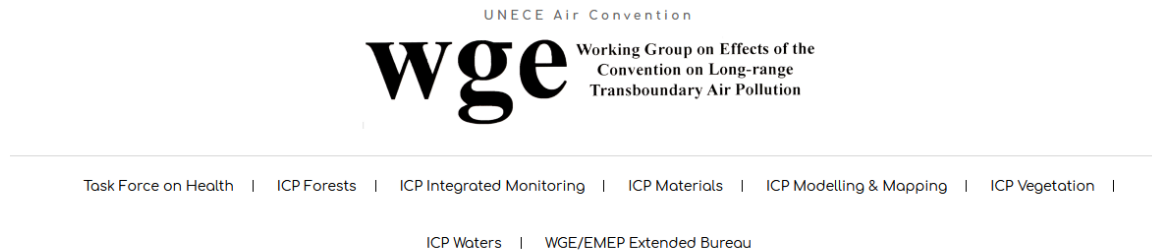


## Further development of the common WGE website

WGE has a functioning website at: <https://www.unece-wge.org/>

- It follows the organisational structure of ICPs
- Developed by JEG/CDM, ICP Forests and WGE vice-chair



The Working Group on Effects (WGE) under the UNECE Air Convention



Early in the discussions on the Convention on Long-range Transboundary Air Pollution (Air Convention, formerly CLRTAP) it was recognized that a good understanding of the harmful effects of air pollution was a prerequisite for reaching agreement on effective pollution control. To develop the necessary

## Further development of the common WGE website

### Purpose of the proposed update:

- To change the structure towards theme based:  
Monitoring, Modelling, Mapping (up for discussion)
- To present and provide insight of the three main areas of work carried out within the WGE
- To increase the visibility and to make easy to find access points to data and reports/publications from the ICPs by providing links to individual ICPs

### Target groups:

- People from inside the Convention not familiar with effects, from outside the Convention, Policy makers, Students, Scientists,.....

## New proposed lay-out: Monitoring, Modelling, Mapping

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

Links Meetings Document Contact

ABOUT MONITORING MODELLING MAPPING Q

### The Working Group on Effects under the UNECE Air Convention

The work of WGE amounts to the world's largest facility of harmonized environmental monitoring of air pollution effects. It studies air pollution effects in the pan-European area and North America based on international cooperation on research, monitoring, modelling and mapping.

#### Air pollution effects on vegetation and other organisms, on soils, waters and on materials and human health

The Working Group on Effects provides information on the degree and geographic extent of the impacts of major air pollutants, such as sulphur and nitrogen oxides, ozone, volatile organic compounds, persistent organic pollutants, heavy metals, particulate matter, including black carbon, and ammonia on human health and the environment. WGE provides information on policy-relevant user friendly indicators to evaluate air pollution effects on the environment and health.

#### Air pollution effects on ecosystems and materials

It manages six International Cooperative Programmes (ICP) and a joint Task Force on Health with the World Health Organization (WHO). For selected air pollutants they carry out:

- Long-term monitoring of ecosystems and materials at thousands of sites.
- Intensive monitoring for research and modelling at selected sites.
- Trend exposure programme for materials and case studies at cultural heritage sites.
- Assessment of relationships between pollutant load and impacts.
- Studies on modelling and mapping of critical loads and levels for acidification, eutrophication and ground-level ozone impacts.
- Evaluation of air pollution effects on human health.



## Example: Monitoring



### Data on forests, water, vegetation and more

The long term and extensive monitoring networks and data under the WGE are unique and are vital to detect the rate, the trend, the extent and intensity of changes of air pollution effects on ecosystems and materials.

It enables forecasting of potentially adverse effects and provides early warnings and helps the effectiveness of air pollution policies.

The monitoring is organised by six International Cooperative Programmes (ICPs) that use common methodology an co-ordinate networks of sites across the countries represented in the Convention.

Map 1: [Interactive map: Forests, waters, IM].

Map 2: ICP Vegetation: mosses survey map

Map 3: ICP Materials Test sites

### Monitoring

[ICP Forests](#)

[ICP Waters](#)

[ICP Integrated Monitoring](#)

[ICP Vegetation](#)

[ICP Materials](#)

## Who does what

- The development depends on consensus and on collaboration with ICPs. CDM will implement the agreed changes

## Structure/Content

- Agree with M+M+M approach? Other suggestions?
- Suggestions on the layout and information that should be on the website? What should be avoided? What do you want to have links to? Other ideas?

## Timeline/further work

- Informal information exchange during the rest of 2021
- Presentation of the more elaborated draft website at the Extended Bureau meeting (March 2022)
- Include activity in the WP 2022-2023