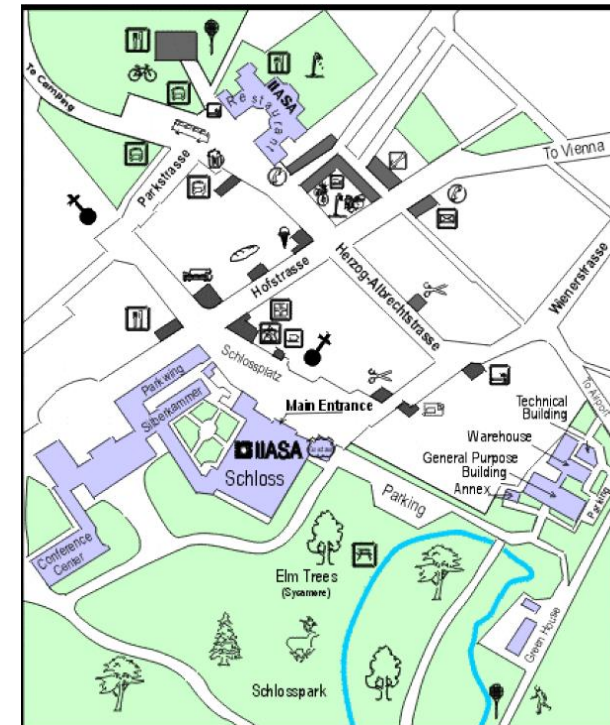




# Welcome to TFIAM 54



54<sup>th</sup> annual meeting of the TFIAM, 3-4 April 2025, Laxenburg

# Outline

- Information on the Convention
- TFIAM-CIAM work plan
- Objectives of this meeting
- Logistics

## WGSR-62 (27-31 May 2024)

- Proposed a plan and time schedule for the revision process of the Gothenburg Protocol
- Discussed methodological questions raised by TFIAM & CIAM
- Requested TFIAM & CIAM to
  - update the Policy brief on potential targets to reduce risks for health and ecosystems, accounting for comments from Parties
  - further develop staged and phased approaches in their analysis, encouraging comments and views especially by non-Parties

Full [report](#) of the meeting available

# Informal HoD meeting (21-24 October 2024)

- Informal meeting of the WGSR, Chatham house rules
- Agenda – thematic sessions with lead questions
  - Non-party issues for the Gothenburg Protocol Revision => barriers to ratification and need for individual approaches
  - Technical Annexes and Guidance Documents => update necessary, restructuring needs further discussion
  - Target-setting, scenarios and Annex II => ERCs should remain mandatory, overarching goals should be aspirational and voluntary
  - Ammonia/nitrogen/biodiversity => revision of annex IX necessary
  - Methane => general support for taking action on methane under the Air Convention, and a link to the GMP
- [Report from the meeting available](#)

## EB-44 (9-12 December 2024)

- Adopted the plan and time schedule for the revision process of the Gothenburg Protocol
- Agreed that any overarching collective health and biodiversity goals would be aspirational and be for the ECE region as a whole and not for individual countries
- Agreed that the ambition level and timeline of the goal(s) need not be the same as those of the emission reduction commitments
- Requested TFIAM to provide several effect-based scenarios at different levels of ambition for cost-effective strategies to reduce emissions
- Agreed to establish an ad-hoc group of experts on open data to develop recommendations for guidelines and procedures on granting open access to scientific data collected or produced under the Convention

Full [report](#) of the meeting available

## Joint EMEP/WGE bureau meeting (25 – 26 February 2025)

- Informed about current scientific developments,
- TF Health gave overview of EMAPEC and HRAPIE 2.
  - Current work of TF Health includes to “Consolidate existing evidence on health outcomes of exposure to air pollution”
- There is still uncertainty regarding CLs for Biodiversity. Of importance for TFIAM is which choice of representative ecosystems and LC values that are aligned with ‘current legislation’?
  - Alignment with the EU Nature Restoration Regulation?
  - Alignment with the EU Habitat Directive?
- Will the choice affect the cost optimization? (i.e. which region that will reduce N-emissions in a cost-effective emission control scenario?)

# TFIAM & CIAM 2024/2025 work plan

≈ 25 specific tasks on the work plan matching the areas of the TFIAM mandate

- Integrate knowledge from science bodies in an integrated assessment framework and support the policy process with scenario analyses
- Produce special reports on request
- Stimulate national integrated assessment capacity and exchange experiences

Priorities for TFIAM & CIAM are on support to the Gothenburg Protocol revision process

# Reports to be delivered

## Policy brief on potential targets to reduce risks for health and ecosystems ([EN](#), [RU](#))

- Reflecting modelling results for GPR  
=> Next update for WGSR-63 (informal document) ➡ Presentation by Simone

## Guidance document on non-technical measures

- Approaches to assessment and examples of successful implementation of such measures  
=> Official document for WGSR-63, for adoption at EB-45 ➡ Presentation by Stefan

## EPCAC position paper on multi-level modelling

- Analysis of the air quality problem in cities and measures  
=> Submitted to WGSR-63, for information to EB-45 ➡ Presentation by Martine & Guus

## TFIAM-54 chair's report to WGSR-63

# Ongoing and upcoming modelling by TFIAM/CIAM

- Projections & optimized scenarios (gap-closure % between CLE & MFR)
  - Emissions by scenario
  - Source apportionment of exposure
  - Feasibility of reductions in emissions and impact indicators
  - Health: different levels of impact reductions for PM<sub>2.5</sub>, O<sub>3</sub>, and combined PM<sub>2.5</sub> O<sub>3</sub>
  - Nature protection: reducing exceedances of critical loads over all, and for specific, habitats
  - Joint assessment of health and biodiversity impact reductions
  - Assessing flexibility options for current non-parties of the GP
  - Assessing additional constraints to improve equity of optimized solutions
  - Ex-post assessments and further sensitivity scenarios

➡ Presentations by Zig & Gregor

# Guidance needed on priorities for scenarios

## WGSR, EB

- See also the Draft plan for the revision of the Gothenburg Protocol, as amended in 2012

➔ Presentation by Till

## Specific need for improving the exchange with representatives of non-parties

- TAIEX meeting 31 March – 2 April 2025, Vienna
- Specific session at TFIAM-54

➔ Presentation by Penny

# TFIAM 54 – objectives

## Take note of work and developments under the Air Convention

- Present recent and upcoming analysis and modelling results
- Discuss scenarios that could support the revision of the Gothenburg Protocol
- Present guidance documents and position papers

## Hold a specific session for current non-parties to the GP

- Follow-up on TAIEX workshop and further exchange

## Take note of further modelling activities

## Take note of assessments by Parties

## Take note of the 2024/25 work plan and suggestions for 2026/27

# Logistics

- Lunch at the IIASA restaurant
- Coffee breaks outside the meeting room
- Dinner 3 April
  - Heurigen Fassbinderhof
  - Transport by shuttle bus **right after the meeting** (and later back to Vienna)



# Thank you!

## TFIAM co-chairs

Stefan Åström (Sweden) [Stefan.Astrom@anthesisgroup.com](mailto:Stefan.Astrom@anthesisgroup.com)

Simone Schucht (France) [simone.schucht@ineris.fr](mailto:simone.schucht@ineris.fr)

## CIAM head & deputy head

Zbigniew Klimont [klimont@iiasa.ac.at](mailto:klimont@iiasa.ac.at)

Gregor Kiesewetter [kiesewet@iiasa.ac.at](mailto:kiesewet@iiasa.ac.at)

## Special consultant

Rob Maas [robertus.maas@gmail.com](mailto:robertus.maas@gmail.com)

For presentations & conclusions from TFIAM and EPCAC meetings and documents:

[Task Force on Integrated Assessment Modelling \(TFIAM\) under the LRTAP Convention | IIASA](#)

For data and documents from CIAM:

[Centre for Integrated Assessment Modelling \(CIAM\) | IIASA](#)