

Task Force on Integrated Assessment Modelling, Helsinki, 6-7 May 2014

**UPDATE ON THE ACTIVITIES
UNDER THE UNECE CONVENTION ON
LONG-RANGE TRANBOUNDARY AIR
POLLUTION (LRTAP)**

UNITED NATIONS ECONOMIC COMMISSION FOR EUROPE



OUTLINE

- **Decisions by the EB (December 2013)**
- **Scientific Assessment Report**
- **Preparation of WGSR (30 June - 3 July)**
- **Other issues**



EXECUTIVE BODY

EECCA
COORDINATING
GROUP

IMPLEMENTATION
COMMITTEE

WORKING GROUP ON EFFECTS

ICP FORESTS
TASK FORCE

COORDINATING
PROGRAMME
CENTRE

ICP INTEGRATED
MONITORING
TASK FORCE

PROGRAMME
CENTRE

ICP MODELLING AND
MAPPING
TASK FORCE

COORDINATION
CENTRE FOR
EFFECTS

ICP MATERIALS
TASK FORCE

MAIN RESEARCH
CENTRE

ICP VEGETATION
TASK FORCE

PROGRAMME
CENTRE

ICP WATERS
TASK FORCE

PROGRAMME
CENTRE

TASK FORCE
ON HEALTH

WHO BONN

JOINT EXPERT GROUP
ON DYNAMIC
MODELLING

EMEP STEERING BODY

TASK FORCE ON
EMISSION INVENTORIES
AND PROJECTIONS

CENTRE FOR EMISSION
INVENTORIES AND
PROJECTIONS (CEIP)

TASK FORCE ON
MEASUREMENTS AND
MODELLING

CHEMICAL COORDINATING
CENTRE (CCC)

METEOROLOGICAL
SYNTHESIZING CENTRE-
WEST (MSC-W)

METEOROLOGICAL
SYNTHESIZING
EAST (MSC-E)

TASK FORCE ON
INTEGRATED ASSESSMENT
MODELLING

CENTRE FOR INTEGRATED
ASSESSMENT MODELLING
(CIAM)

TASK FORCE ON
HEMISPHERIC TRANSPORT
OF AIR POLLUTION

WORKING GROUP ON STRATEGIES AND REVIEW

TASK FORCE ON
REACTIVE NITROGEN

TASK FORCE ON
PERSISTENT ORGANIC
POLLUTANTS

NETWORK OF EXPERTS
ON BENEFITS AND
ECONOMIC
INSTRUMENTS

EXPERT GROUP ON
TECHNO-ECONOMIC
ISSUES

TASK FORCE ON HEAVY
METALS

SUBSIDIARY BODIES

TASK FORCES

PROGRAMME/EMEP
CENTRES



Decisions by the EB 32nd session

- **New format for reporting by Task Forces**
 - **More focus on co-operation with other bodies under the Convention**
 - **Link with the Long Term Strategy of the Convention**
(Focus on ratification, efficient organisation science-policy interaction, link with climate policy, outreach)
- **Workplan 2014-2015**
- **Meeting schedule as of 2015:**
 - **June - EB**
 - **September Joint meeting - EMEP/WGE**
 - **December - WGSR**
- **Scientific Assessment Report in 2016**



Work plan issues with TFIAM relevance

1. Update GAINS-model with new information on emissions, emerging technologies, health & ecosystem impacts, ozone fluxes. Downscale ammonia deposition to protected areas; report results ☺
2. Interact with Parties (meetings, consultations, workshops) on input data to the GAINS model ☺
3. Analyse implications of EU policy proposals on air quality in the ECE region. ☺
4. Analyse effectiveness of hemispheric control strategies. Joint workshop on linking geographical scales ☺
5. Increase scientific cooperation on linkages with global-scale scenarios and issues (Climate, nitrogen, SLCPPs) ☺/☹



Work plan issues with TFIAM relevance

6. Increase linkages with local-scale air pollution and cost-effective local measures, including co-benefits (congestion, healthy lifestyles, reduced heat stress) ☹️
7. Provide support to Parties, in particular countries in Eastern Europe, the Caucasus and Central Asia ☹️
8. Communicate and disseminate scientific developments, model and methodology improvements, data and products through the Task Force on Integrated Assessment Modelling website ☹️
9. Exchange information on national and international integrated assessment activities at annual Task Force meetings 😊



Assessment Report 2016

- **Purpose:**
 - **Incentive for additional policy**
 - **Increase status in scientific community**
 - **Increase public concern**
- **Form:**
 - **Answer policy relevant questions (see REVIHAAP, Urbino-questions, Science Assessment for TSAP)**
- **Means:**
 - **Lead authors per paragraph/chapter**
 - **Support from centres and national experts**



Assessment Report 2016

- **Content:**

- 1. How can air pollution abatement contribute to sustainability?**
- 2. To what extent is the air pollution problem solved?**
- 3. What is the role of science in air pollution policy?**
- 4. Future options: Where to go from here?**
- 5. Do we need a global approach?**
- 6. What is the role of local air pollution policy for healthy living?**

- **Discussions:**

- **Looking backward and forward?**
- **How much scientific detail?**
- **Limit to transboundary air pollution or a broader context?**
- **Include national experiences?**



Preparation WGSR 52nd session

- **Discussion on Scientific Assessment Report: purpose, content, support**
- **Session on national successes with air pollution related traffic policy**
- **Results from this TFIAM meeting and strategic guidance for future work**



Other issues

- **NEBEI stops**
- **EMEP:**
 - **7*7 km grid, effective stack heights**
 - **Condensables, Ammonia from coastal seas**
 - **Consistency PM2.5 and HM/POP data**
- **WGE:**
 - **Influence of Nitrogen on Carbon cycle**
 - **Ecosystem services ≠ Biodiversity protection**
- **JNNC-Workshop Peterborough:**
 - **How cost-effective are European wide N-reductions compared to local nature management & N-abatement measures?**



Goal of this meeting

- **Learn about progress of international projects**
- **Learn about national experiences**
- **Contribute to effective role of integrated assessment modellers in policy formulation**
 - **WGSR (advice / guidance)**
 - **Bilateral consultations**
 - **Linkage with scientists in other groups**



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Future meetings

- **13-15 October 2014 - Laxenburg**
 - **TFHTAP/TFIAM workshop/webinar on Global Scale Assessments**
- **Mid May 2015 – Edinburgh (Scotland?)**
 - **TFIAM 44**



