

Workplan CIAM/TFIAM

23 April 2013

Workplan: WGSR decisions 14-9-'12

- 1 Expressed appreciation of the work of the Task Force on Integrated Assessment Modelling (TFIAM) and took note of its conclusions, in particular:
 - the need for analyses of longer term scenarios linked to climate and energy policies;
 - a wider geographical scope for the assessment of abatement options aimed at ozone and other short lived climate pollutants;
 - the identification of possible synergies with other environmental issues and energy, transport and agriculture policies;
 - the efficient distribution of costs of local and European wide measures
- 2 Supported the continuation of its work and further sensitivity analysis and stressed the need for a good communication between WGSR representatives and national experts in TFIAM and the support of these experts in preparing bilateral consultations on the data used in GAINS
- 3 Requested countries to submit data for 2030, to enable the task force to update its input data for integrated assessment modelling

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- 4 Recommended the Executive Body to request the EMEP Steering Body to consider the inclusion of the ozone flux based approach in integrated assessment
- 5 Encouraged the Executive Body to invite the EMEP Steering Body and the Working Group on Effects to add elements in their work plans with regard to the contribution of European wide nitrogen abatement measures to prevent the loss of biodiversity in protected nature areas
- 6 Encouraged the Executive Body to invite the EMEP Steering Body to continue to address the linkages between air and climate policy as well as the effects of ozone and black carbon in integrated assessment modelling and the consideration of long-term scenarios
- 7 Encouraged the continuation of technical assistance to countries in Eastern Europe, the Caucasus and Central Asia and to consider the best formats possible and requested Parties to consider funding these capacity building efforts and/or to work with individual countries in that region on a bilateral basis
- 8 Requested Heads of delegation from countries in Eastern Europe, the Caucasus and Central Asia to nominate institutes and experts to work on national integrated assessment modelling in the coming years through technical assistance

Workplan CIAM

Deliverables depend on availability of funding!

A. Cooperation with MSC-W & TFHTAP

- Perform EMEP simulations on demand in support of assessing EU thematic strategy, Gothenburg protocol, HTAP, UN-SLCP reduction policy, as well as for informing Arctic Council , HELCOM, OSPAR
- Implementation of new climate metrics in EMEP model for usage in GAINS, (Forcing for Black Carbon, Methane, Ozone), Calculation of SLCP forcing for Gothenburg protocol implementation, Evaluation of Uncertainty in Black Carbon forcing

B. Increase linkages with local scale air pollution and cost-effective local measures, including cobenefits (congestion, healthy lifestyles, reduced heat stress)

- Downscaling of changes of LRT pollution to hot spots
- Health impacts of NO₂ implementation into GAINS
- Analysis of (cost-)effectiveness of local vs. national vs. international measures
- Alternative agricultural scenarios

C. Increase linkages with global scale scenarios and issues (climate, nitrogen, energy, transport, food production) in cooperation with HTAP, IPCC. INI, UNEP, CACC

- Global emission scenarios, cost-effectiveness analysis
- Impact of changes in hemispheric ozone on cost-effective emission reductions in Europe
- Emission scenarios for mercury

D. Improve integrated approaches to reduce the loss of biodiversity in Natura2000 areas

- Downscaling of ammonia deposition to protected areas
- Implementation of new information on ecosystems impacts data (e.g., critical loads) into GAINS
- Improve modelling of ozone fluxes in IAM

E. Other subjects

- **Stimulate capacity building in EECCA and Asia (funding ?)**
 - Implications of EU policy proposals on LRTAP air quality
 - Cost-effectiveness of hemispheric emission control strategies
- **Maintenance of TFIAM web site**
- **Interaction with Parties on GAINS input data**

Additional TFIAM activities

- Coordinate Guidance document on the impacts of the revised Gothenburg Protocol
- Produce assessment report on the revised Gothenburg Protocol
- Workshop on Valuation of Ecosystem services, Zagreb 24-25 October 2013
- TFIAM43 – April/May 2014