



CONVENTION ON LONG-RANGE TRANSBOUNDARY AIR POLLUTION

International Cooperative Programme on Integrated Monitoring of Air Pollution Effects on Ecosystems 22nd ICP IM Task Force Meeting & Workshop

Organiser and Location

University College Dublin (UCD), UCD School of Agriculture and Food Science, UCD Soil Science. Meeting venue is Hotel Westport in Westport, Republic of Ireland

Wednesday 7 May

I. Workshop on data assessments and evaluation methods for IM data

Thursday 8 May

II. ICP IM Task Force meeting

Friday 9 May

III. Excursion



ICP IM Task Force

Explanatory notes to the agenda

1. Opening of the meeting
2. Approval of minutes of the 21th ICP IM TF in Obnisk, Russia, 2013.

ICP IM Task Force

Explanatory notes to the agenda



3. Report from Chairman and Programme Centre

Presented at the Working Group on Effects 2013

WGE chairman reported from EB

CLRTAP Strategy now agreed

Revision of Protocols in December 2012

Revision of the heavy metals protocol decided

Outreach to EECCA and SEE and translations

Joint report

Biodiversity and Ecosystem services report

Guidance document

• <http://www.unece.org/index.php?id=33605>

ICP IM Task Force

Explanatory notes to the agenda



Item 3 continues

WGSR focussed on revision of Convention structure and the workplan for 2014-2015

The chair of the EMEP steering body presented scope on revised Guidelines for reporting emissions and joint work between EMEP and WGE
Hemispheric transport of air pollution also with global context

EB decided on an evaluation of the ICPs in 2013
ICP evaluation recommended streamlining the work and improve collaboration between the ICP:s
Stronger scientific content and connections to EMEP and WGE

ICP IM Task Force

Explanatory notes to the agenda



Item 3 continues

Two year workplan

A joint workplan together EMEP and WGE 2014-2015

Changed meeting structure;

EMEP and WGE together in September 2015

WGSR in December 2015

EB in late spring or early summer 2016

No EB in 2015

EMEP and WGE homepages should have a common portal.



Item 3 continues Highlights from ICPs

Forests - Mosses and epiphytic lichens were found to be good bio-indicators on nitrogen effects

Waters - ecosystem services of freshwaters and mentioned economic impacts related to fish

Materials - improvements in corrosion and soiling and noted also that black carbon contributes to soiling of materials

Vegetation - mosses as biomonitors of POPs and also on mosses as indicators on nitrogen and heavy metal deposition

IM - nitrogen still accumulates in the ecosystems and output is very low compared to input and for sites with exceedances of CL



Item 3 continues Highlights from ICPs

MandM - work on indicators of nitrogen impacts on biodiversity with dissemination of the results in policy relevant documents

TF Health - effects occur at air pollution concentrations lower than those in the 2005 WHO air quality guidelines

JEG - dynamic modelling in particular with respect to nutrient nitrogen, ozone and interactions between climate change and air pollution

Updating of scientific and technical knowledge

The Joint report highlighted impacts of air pollution on human health, effects of black carbon (soot) on materials, summarized benefits of air pollution control on biodiversity and ecosystem services



Item 3 continues - common items

Outreach EECCA and SEE countries
Hemispheric or even global perspective
IM outreach collaboration through LTER Europe

Financing

2012 provided similar funding but in a decreasing trend

Election of officers; reelection of Chair and Vice Chairs

Next WGE will be 18-19 September 2014



Item 3 continues - report from Extended bureau in March 2014

A joint meeting between WGE bureau and EMEP SB, March 26

CLRTAP EB Chair Mr. Martin Williams presented organisational issues related to EMEP and WGE with suggestion on a joint meeting in September 2015. He also mentioned the importance of the ICPs monitoring to continue and that the scientific work should be enhanced as well as streamlining reporting in closer cooperation for the ICPs and between EMEP and WGE.

Harmonisation of the EMEP and WGE homepages.

New reports were discussed and one should be a joint report between EMEP and WGE called the Assessment report 2016.



Joint EMEP SB and WGE Bureau meeting

EMEP and WGE Assessment report outline

1. Introduction
2. Global perspective on air pollution
3. Scientific understanding for the modelling process
4. Measurements and trends
5. Evaluation of trends
6. Projections
7. Towards long-term sustainability



Joint EMEP SB and WGE Bureau meeting

EMEP and WGE Assessment report

What is the role of air policy at a healthy, safe and sustainable future?

What caused air pollution to decline in the past decades?

Where do we go from here?

What are the economic impacts of abating pollution?

Do we need a global approach?

Why is an integrated approach crucial for the long-term protection of health, biodiversity and sustainable development?



WGE X-Bureau meeting March 27-28

Changes in representation

In September Helene de Wit took over the ICP Waters PC
ICP Materials from Italy now new Mr. Pasquale Spezzano
ICP Forests PCC has moved from Hamburg to the Thünen
Institute for Forest Ecosystems in Eberswalde, Germany
and new head of PCC is Mr. Walter Seidling.

Outcome of the ICP evaluation presented for EB in
December and recommendations should now be implemented



WGE X-Bureau meeting March 27-28

Recommendations on further ICP common activities are;

1. Common webpage
2. Develop a meta-data base
3. Improve visibility. Common issue for EMEP and WGE.
4. One page information sheet on how the different parts of the WGE are connected.
5. Harmonised methods communicate that we are using but also making sure that this is the case. Intercalibrations across ICPs.
6. Thematic workshops; e.g. trends, ozone, nitrogen, biodiversity.
7. Open science workshops.
8. Thematic reports.
9. Improve collaboration within countries.
10. Long-term item: Develop harmonised database for centres.

Cooperation ICP Waters, ICP Forests and ICP IM cont. item 8



ICP IM activities

The ICP IM activities in 2012/2013 included work on input/output S and N budgets for IM sites, links between CL-exceedances and vegetation changes, base line of heavy metal approach and common items such as outreach and activities (ECE/EB.AIR/WG.1/2013/9).

Representatives have participated in a number of international meetings.

Scientific work regarding priority topics has continued
Joint report, Annual report, contribution to the Biodiversity and Ecosystem services report and the update of the Guidance document.



ICP IM activities

The Programme Centre prepared the ICP IM 22nd Annual report 2013 and also the technical document ECE/EB.AIR/WG.1/2013/9 submitted to the WGE in 2013. Included in the reporting were the workplan items:

Final report on relations between vegetation changes and CL-exceedance. Dirnböck, T. and Grandin, U. 2013.

Progress report on base line heavy metal approach. Bringmark, L. et al., 2013.

Sulphur and nitrogen input-output budgets at ICP Integrated Monitoring sites in Europe; Vuorenmaa et al., 2013.



4. Reports from WGE and other ICPs

Gudrun Schütze, WGE Bureau - report for WGE

Maximilian Posch, CCE/Icp Modelling and mapping; Recent activities of ICP Modelling and Mapping

Heleen de Wit, ICP Waters; Recent activities of ICP Waters



5. Database

6. Reports 2013

23rd Annual ICP IM report (AR)

Relations between biodiversity and CL-exceedances

Trends and mass balances for sulphur and nitrogen

Progress report on base line heavy metal approach

Common activities

Guidelines and future target settings 2020 and 2050

A summary report on policy relevant results

Outreach and hemispheric view



Reports and deliverables

The Joint report for WGSR should present important results with policy relevance to **May 31, 2014**.

Medium term workplan for ICP IM has plans for the year 2014 and 2015 which will be covered under items 6, 8 and 9; technical report in item 7 submitted **June 30, 2014**,

Co-operation between WGE and EMEP with a joint meeting **17 September 2014**,

Prepare a report on priority activities with motivations related to the CLRTAP Long-term strategy; to be reported **August 1, 2014**.

Preparations of the 33rd session of WGE, ordinary ICP activities will be given a short overview with main focus on common items and thematic scientific reporting, especially policy relevance of the ICP results



7. New template for activity reporting

Outline;

Name of ICP, Period, Chair, PC, Members, Meetings done

Outcome/deliverables item indicated in Workplan

New outcomes/deliverables

Policy relevant issues, findings and recommendations

Issues for the attention/advice of other groups/task forces or bodies

Recommendations to strengthen outreach

Activities on scientific and technical cooperation

Relevant scientific findings/highlights

Additional comments and lessons learned



8. Considerations in perspective of more efficient ICPs organisation

Joint reports in compliance with review recommendations

ICP Waters - ICP IM; a joint trends work and report with outreach to also all ICPs.

ICP Forests - ICP IM; update of the Cause-effects report (de Vries et al., 2002).

de Vries, W., Forsius, M., Lorentz, M., Lundin, L., Hausman, T., Augustin, S., Ferretti, M., Kleemola, S. and Vel, E. 2002. Cause-effect Relationships of Forest Ecosystems. Joint Report by ICP Forests and ICP Integrated Monitoring. Report for United Nations Economic Commission for Europe. Federal Research Centre for Forestry and Forest Products (BFH) together with Finnish Environment Institute (SYKE). 46pp.



9. Co-operation with other ICPs and external projects/organizations:
LTER-Europe, ALTER-Net, LifeWatch, Expeer Natura 2000, etc.

More meetings could be found on;

<http://www.unece.org/environmental-policy/treaties/air-pollution/meetings-and-events.html>

LTER Europe

ILTER

ALTER-Net

Other future work priorities



10. Work plan 2013/2014

11. Financing/external applications

12. Next Task Force meeting



ICP Integrated Monitoring of Air Pollution Effects on Ecosystems -

ICP IM

Next Task Force

2015

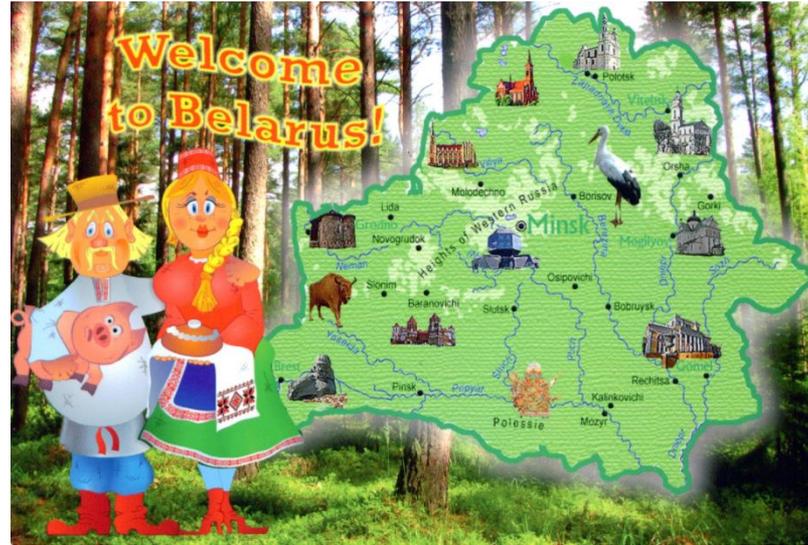
ICP IM TF 2014 in May in Belarus



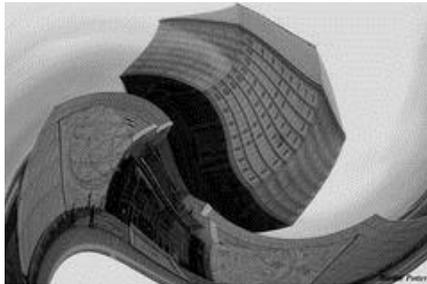
Venue



Location



Landscape



Connections



Enjoyment



Forest and water



13. Other business

14. Conclusion and end.

Thank You

