

**International Cooperative Programme on
Integrated Monitoring of Air Pollution Effects on Ecosystems (ICP IM)
21st Task Force meeting, Obninsk, Moscow, May 22, 2013.**

Explanatory notes to the agenda

1. Opening of the meeting

2. Approval of minutes of the 20th ICP IM TF in Kaunas, Lithuania, 2012.

3. Report from Chairman and Programme Centre

The ICP IM activities are described in more detail in the 22nd Annual Report 2013.

The Chairman and the Programme Manager presented the progress made by ICP IM during 2011/2012 at the Working Group on Effects (WGE) in September 2012. The work programme for 2013 was also presented. The WGE welcomed the plan for future work.

The Chairman of WGE noted the positive results of further co-operation between ICPs in view of the priorities of the Executive Body (EB). Special notice was put on the preparations of the updated long-term strategies of the Convention. The strategy was adopted by EB in December 2011 and implementation is in progress. The revision of the protocols was on-going and in December 2012 settled and approved.

There is a great interest and need to have wider and closer cooperation with EECCA and SEE countries. However, in the slightly difficult financial situation there were no possibilities for these countries to participate in the WGE session. Another problem was that the documents were not translated into French or Russian. Anyhow, new attempts to increase these activities were promoted.

The chair of the WGE presented the WGE Joint report and a report on recent results and updating of scientific and technical knowledge: 2012 impact assessment report: effects indicators as tools to evaluate air pollution abatement policies. Matters presented from the 29th and 30th EB meetings mentioned how targets were met, the importance of public awareness and policy relevance. New clear indicators should be developed and the connections to biodiversity issues enhanced.

The report and meeting documents can also be found at the document pages of the EB:
<http://www.unece.org/index.php?id=24661>

The chair of the EMEP steering body provided information on EMEP actions now to a large extent involving hemispheric transport of air pollution. Increased cooperation between EMEP and WGE has started and there was a joint meeting on 19 September. The EMEP grid is under revision and a smaller grid proposed.

The on-going work of the ad hoc group on CLRTAP evaluation was discussed and was brought to the EB in December 2012. A decision was made to evaluate the ICP:s during 2013 and this is on-going. Also the cooperation between EMEP and WGE was discussed but so far nothing is decided and this is not a part of the new evaluation. The review of the ICP work should be targeted on the Long-term strategy and how the work complies with the goals set, it

also enhances scientific work and the capacities of the ICPs to meet this as well as changes in content and organisation to achieve the aims. Streamlining of work and reporting is also considered. Outcome of the work should be disseminated more extensively for increased participation in the work. Communication inside the convention and response from parties should be more addressed.

The draft 2013-2014 Workplan for the implementation of the Convention on Long-range Transboundary Air Pollution was discussed and plans for several years programme was desired and should be considered by the ICPs. Already, there is a joint workplan between EMEP and WGE prepared and it considers 2014-2015.

EB has highlighted the importance of black carbon and particles to the Convention, especially related to the health impacts.

Highlights from the ICPs;

ICP Forests; oligotrophic lichens suffer from high nitrogen deposition and exceedances in N deposition show higher N-transport below the rooting zone and also have negative effects on foliar nutrition,

ICP Waters; noted several publications, chemical recovery from acidification noted but full biological recovery far from complete; biodiversity in nutrient poor and acid sensitive lakes had decreased in the last 10 year period,

ICP Materials; outreach includes a number of countries in East Europe, Caucasus and Central Asia. Work addresses trends in pollution, corrosion and soiling with also looking on stock at risk regarding cultural heritages indicated by limestone conditions. Effects of black carbon on materials show differences for type of material, glass or non-transparent surfaces and more realistic tolerable levels would lead to more stringent air quality concentrations,

ICP Vegetation; outreach to Africa, Cuba and Japan was reached. Nitrogen effects on mosses show a saturation threshold at about 15 kg N/ha/year and ammonia has higher influence than nitrate. Effects of ozone show hampered sequestration of carbon in trees. Heavy metals and POPs show rather low concentrations with small impacts in the monitored sites not being close to high point polluters,

ICP IM; a strong decline is shown in sulphur deposition and the out-/input ratio is increasing. Nitrogen still accumulates in the ecosystems and output is very low compared to input and for sites with exceedances of CL increased leaching of nutrient N occur,

ICP M&M; draw the attention to include biodiversity indicators in support of the protocol revisions. Modelling showed a decrease in CL_A from 2005 to 2020 by 5% and for CL_N by 9%. There is a need for reduction in acid deposition with 50-60% to reach less than 1% of ecosystem over CL and corresponding values for nitrogen is reduction by 60-70% in deposition,

TF Health; focus is on health effects from ozone, black carbon and PM. BC is a considerable part of PM. Health effects from wildfire introduced the term "landscape fires",

JEG focuses to bring modellers of the programmes of WGE together and develop the model tool in relation to air pollution especially for N and C and the interactions with climate. It would also be beneficial with closer cooperation with EMEP.

Updating of scientific and technical knowledge

The Chairman of WGE drew attention to the pollutant specific topics presented in the 2011 Joint report, the technical reports of the ICPs and additional supporting documents such as for ICP IM the Annual Report 2012. WGE noted with satisfaction the IM Annual Report and mentioned especially the work on biodiversity data and CL-exceedances and on soil-vegetation dynamic modelling. Also the report on S and N budgets was noticed. ICP IM also contributed to the Joint report and the 2012 “Impact assessment report”. The joint report highlighted the achievements of the 20-30 year long data series supporting the results of the Convention work. Recovery from acidification and biological consequences were reported together with less good improvements for nitrogen and considered remaining risk for eutrophication. The report also forwarded the message on continuing effects of ozone on crops enhanced by high nitrogen deposition. Also effects on buildings and cultural heritages and health require more stringent abatement measures.

ICP IM submitted the 21st Annual report 2012 and also the technical document ECE/EB.AIR/WG.1/2012/9 to the WGE.

The WGE Chair presented the further development on effects-related outreach activities to the total hemispheric region and mentioned especially contacts to SEE (Southeast Europe) and EECCA (Eastern Europe, Caucasus and Central Asia) countries. Outreach from IM is further linked to the work and collaboration with LTER Europe and EU project collaboration.

The workplan for 2012 was adopted with EB recommendations for harmonizing as much as possible the workplans and cooperation between WGE and EMEP. It had also earlier recommended that the workplan items would be the basis for programme financing from the trust fund.

Financing is presently on a fairly stable level but for 2012 the funds will be reduced compared to 2011 but back to the level of previous years. Rather important though, is the scarce resources in the UNECE secretariat that are unfortunate. For the programmes the essential support provided from Parties to the WGE effects oriented activities was appreciated especially the amount of voluntary contributions by lead countries, countries and organisations hosting coordinating centres and organizing meetings. No binding commitments on support are included but voluntary contributions are welcomed.

Election of WGE officers; Re-election of The Chair Mr. Peringe Grennfelt, Sweden and vice chairs Mr. Jesper Bak (Denmark) and Mr. C. Nagl (Austria), Ms. Gudrun Schuetze (Germany) and Ms. Sonja Vidic (Croatia). Ms. I. Rabago (Spain) resigned due to changed work situation in Spain and instead Ms. Sabine Augustin (Switzerland) was elected.

Next WGE is scheduled for 12-13 September 2013 and this would be meeting No. 32.

Notes from the WGE Extended Bureau meeting

The chairman of ICP IM participated in the Extended Bureau meeting in Geneva on February 20-22, 2013. The new Chair Peringe Grennfelt led the meeting and also the EMEP SB Chair Ms. Sonja Vidic participated as now being vice Chair of WGE. The first half day was a joint meeting between WGE bureau and EMEP SB. It was then planned for a joint meeting back-to-back with the WGE meeting in September (September 11). The outcome of the ad-hoc group that evaluated the Convention during 2012 and the EB decision in December was presented. The work within the Convention is foreseen to change. This is also part of the CLRTAP Long-term strategy. A new evaluation group was appointed with the instructions to evaluate the ICPs and report to WGE 2013 and with final report to EB in December.

At the joint EMEP steering committee and WGE Extended Bureau on February 20, the chair of CLRTAP EB Mr. Martin Williams participated. He presented organisational issues related to EMEP and WGE but no decision on further cooperation was decided. He also mentioned the intention of the ICPs important 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.

The homepages of WGE and EMEP could be harmonized and all the homapages of all the Convention bodies should be updated and improved.

New reports were discussed and one should be a common report between EMEP and WGE assessing results of the work. Also national reporting was brought forward. For a longer time perspective, 2014-2015, there was planning for a report on further development of the Convention with scenario benefits of increased air pollution reduction together with policy implications. The Guidance document is also intended for update but it is postponed at least to autumn 2013.

Also a decision was made on a report and brochure on Biodiversity and Ecosystem Services for dissemination and influence on EC work and the EU 2020 Biodiversity strategy. The brochure has been finalized and presented at EC meetings.

The revision of the protocols was finalized at the EB December meeting and now also black carbon is included with intentions to reduce air pollution PM. Countries in succession are included with some flexibility. Also the heavy metals protocol was concluded.

Preparations for WGE 2013 followed ordinary outline with a short Joint report highlighting results from workplan items and showing the policy relevance. Each ICP also presents short technical reports summarizing the workplan outcomes.

New meetings and workshops were presented and mentioned should be;
Saltsjöbaden 5 in Gothenburg, Sweden on 24-26 June, 2013,
Air pollution in Asia with tentative time in February 2014 in India.

Cooperation with other bodies within the Convention should increase, especially with groups such as TFIAM (Task Force on Integrated Assessment Modelling), TF HTAP (The Task Force on Hemispheric Transport of Air Pollution), CIAM and TFRN (Task Force on Reactive Nitrogen) and also to EU; where could be mentioned the NEC directive and other open organizations such as UNFCCC, IPCC, CBD, UNEP.

Next Extended Bureau meeting is planned for 11 September 2013.

ICP IM activities

The ICP IM activities in 2012/2013 included work on S and N budgets for IM sites, links between CL-exceedances and biological diversity, dynamic soil-vegetation modelling with VSD-model and common items such as outreach and activities (ECE/EB.AIR/WG.1/2012/9). The document can be found on;

<http://www.unece.org/index.php?id=24661>

Lars Lundin and Martin Forsius represented ICP IM in the Working Group on Effects (WGE) 31st meeting in Geneva, Switzerland, 20-21 September 2012 and in the Joint EMEP and WGE meeting and the WGE Extended Bureau meeting on September 19, 2012.

The Chairman represented the ICP IM programme at the 28th ICP Modelling and Mapping Task Force in Warsaw, Polen, 16-19 April, 2012.

The Chairman represented the ICP IM programme at the 28th ICP Forests Task Force meeting in Bialowieza, Polen, on 30 May-1 June, 2012.

Lars Lundin participated in the EU FP7 IP SoilTrEC meeting on 16-18 January 2012 in Ispra, Italy.

Lars Lundin participated in the EU FP7 project SoilTrEC meeting and Eurosoil conference in Bari, Italy, 2-6 July, 2012.

The Programme Manager Martin Forsius and Maria Holmberg participated in the BIOGEMON conference in Maine, the United States, 15-20 July 2012.

Martin Forsius and Maria Holmberg took part in the Second Nordic International Conference on Climate Change in Helsinki, Finland, 29-31 August 2012.

Martin Forsius represented ICP IM in the 2012 ILTER Annual Meeting in Lisbon, Portugal, 17-21 September 2012.

Martin Forsius attended the WGE Coordination meeting on 2 October 2012 in Berlin, Germany.

Lars Lundin participated in the EU FP7 project SoilTrEC meeting in Chania, Grekland, 3-5 October, 2012.

Martin Forsius and Jussi Vuorenmaa represented the ICP IM programme at the ICP Waters 28th Task Force meeting in Pallanza, Italy, 8-10 October 2012.

Martin Forsius participated in the LifeWatch Nordic meeting in Uppsala, Sweden, 8-9 November 2012.

Martin Forsius took part in the 'Future Forests' Workshop on Mineral Weathering on 13 November 2012 in Stockholm, Sweden.

Lars Lundin participated in the EU LIFE+ project EnvEurope meeting 3-4 December 2012 in Sofia, Bulgarien.

Martin Forsius participated in the 10th LTER Europe Conference and Joint EnvEurope and ExpeER (Experimentation in Ecosystem Research) Meeting in Sofia, Bulgaria, 4-7 December 2013.

Martin Forsius attended the thirteenth meeting of Joint Expert Group on Dynamic Modelling (JEG) in Puerto Banus, Spain, 22-25 January 2013.

Lars Lundin participated in the ICP Vegetation Task Force meeting January 28-30, 2013.

Martin Forsius took part in the second annual ExpeER meeting in Florenze, Italy, 4-7 February 2013.

The Chairman represented the ICP IM programme at the EMEP and WGE Extended Bureau meetings in Geneva on the 20-22 February, 2013.

Maria Holmberg represented the ICP IM programme at the 23rd CCE workshop in Copenhagen, Denmark, 8-11 April 2013.

The Chairman represented the ICP IM programme at the 29th ICP Modelling and Mapping Task Force in Copenhagen, Denmark, 8-11 April, 2013.

The Chairman represented the ICP IM programme at the ALTER-Net Conference Science underpinning the EU 2020 Biodiversity Strategy on April 15-18, 2013 in Ghent, Belgium.

The Programme Centre received the 2011 data from most IM sites, data are now stored in the new ICP IM database; further on item 5.

Laboratories participating in the ICP IM Programme took part in the inter-comparison tests organised by ICP Waters, ICP Forests Expert panels and EMEP.

Scientific work regarding priority topics has continued:

The Programme Centre prepared the ICP IM contribution on common items for WGE reported in September 2012 (mentioned above).

The Programme Centre prepared the ICP IM contribution to the WGE 2012 Joint report (ECE/EB.AIR/WG.1/2012/3).

The Programme Centre prepared the ICP IM 21st Annual report 2012 and also the technical document ECE/EB.AIR/WG.1/2012/9 submitted to the WGE in 2012. Included in the reporting were the workplan items:

Sulphur and nitrogen input-output budgets at ICP Integrated Monitoring sites in Europe; Vuorenmaa et al., 2012.

Report on relations between vegetation changes and CL-exceedances; Dirnböck et al., 2012.

A progress report on field monitoring and dynamic soil-vegetation modelling using VSD+ model; Holmberg et al., 2012.

Further workplan items for 2013 and priority topics will be discussed under items 6, 7 and 8.

4. Reports from WGE and other ICPs

The representatives of the WGE, UNECE Secretariat and other ICPs participating in the IM TF meeting may report progress in their work under this item. Matters of discussion with ICPs are partly derived from the ICP IM workshop on May 21.

At the WGE Extended Bureau meeting in Geneva on the 20-22 February 2013, key issues discussed were related to the CLRTAP revision of the protocols, Joint report, combined workshop with EMEP, outreach activities and evaluation of the Convention organisation, especially the ICPs and work; see also item 3, report from Extended Bureau meeting.

- (i) The long-term strategy was adopted by EB in December 2011.

- (ii) Workplan items and workshop events have been updated,
- (iii) Medium term workplan for ICP IM has plans for the year 2013, 2014 and 2015 which will be covered under items 6 and 8; technical report submitted in September,
- (iv) Co-operation between WGE and EMEP with a joint meeting 11 September 2013,
- (v) Reporting on update with a common report on the assessments of outcomes of the Gothenburg protocol, EMEP and WGE in September 2013
- (vi) Update of the Guidance report for WGE, tentatively later in Autumn 2013
- (vii) Preparations of the 32st 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,
- (viii) Financial issues with EB review; funding from Trust Fund for the nearest coming years seems fairly stable but poor for the secretariat,
- (ix) A brochure has been prepared on Biodiversity and Ecosystem services and tentatively there will be a report.

5. Data submission and database status

The Programme Centre will present the current status of the database for the meeting. A detailed description is given in the 22nd Annual Report 2013.

Most of the National Focal Points have submitted the results from 2011 to the Programme Centre. These data are incorporated into the IM database.

The following fifteen countries have continued data submission to the ICP IM data base during the period 2008 - 2012: Austria, Belarus, Canada, Czech Republic, Estonia, Finland, Germany, Italy, Latvia, Lithuania, Norway, Russian Federation, Spain, Sweden, and United Kingdom. Ireland has re-established the site IE01 in 2012 and will provide data in 2013.

Presently the number of ICP IM sites with on-going data submission, data for at least part of the period 2007 – 2011, is forty-four. Most of the sites are European. An overview of the data reported internationally to the ICP IM database is given in the Annual Report 2013.

The meeting is expected to discuss ways to improve the data reporting and criteria for participation in the programme, as well as ways to support the national ICP IM work.

6. Reports to be prepared/finalized in 2013

ICP IM reports:

- a) 22nd Annual ICP IM report (AR)

The Programme Centre has prepared the draft version of the report. According to a previous decision of the ICP IM Task Force, the Annual Report should contain summarised information on the status and progress of the activities. Detailed results from data assessments should be presented in scientific papers and separate technical reports. The workplan items should be reported in the AR. The content of the Annual Report 2013 follows this concept. It is proposed to include country specific reports as annexes in the AR. The Annual report should be presented at the WGE meeting in September 2013. The meeting is expected to discuss the content of the report and decide about the presentation to WGE.

- b) Report and scientific paper on relations between biodiversity and CL-exceedances should be prepared by the national focal points of Austria and Sweden, in cooperation with the ICP IM PC. The report will be included in the 22nd Annual Report.
- c) Report on trends and mass balances for sulphur and nitrogen at ICP IM sites to be prepared by the ICP IM PC. The report will be included in the 22nd Annual Report as a separate chapter. A scientific paper on this topic is planned for 2014.
- d) Progress report and scientific paper on base line heavy metal approach to be prepared by the NFP of Sweden and will be included in the 22nd Annual Report.

Activities common to all ICPs, the Task Force on Health and the Joint Expert Group on Dynamic Modelling:

- e) Further elaboration and update of Guidelines for reporting effects which relates to the CLRTAP strategy and workplan and will be prepared with coordination of the head of CCE and in cooperation with the chairman and the Programme Centre with progress reported to WGE 2013. This links Guidelines and future target settings 2020 and 2050. Indicators included are acidity, eutrophication, ozone and heavy metals but also biodiversity change and in relation to climate change impacts. Empirical critical loads should be developed and results on indicators are related also to the CLRTAP Long-Term strategy.
- f) To prepare a summary report on policy relevant results from ICP IM; a combined work of the ICP IM PC and the IM chair.
- g) Comparison of activities across continents and regions; outreach and hemispheric view will relate to EECCA, SEE and LTER as regards ICP IM

The Programme centre will report the ICP IM contributions to the common activities to the CLRTAP secretariat in beginning of June and September 2013 (e-g).

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

UNECE activities:

The meeting is expected to discuss coordination of work and cooperation with other ICPs, particularly regarding dynamic modelling (all ICPs), cause-effect relationships in terrestrial systems (ICP Forests, ICP Vegetation), and surface waters (ICP Waters). Presentations of some of these topics are made during the IM workshop on May 21 and under item 4. Decisions on further work should be reflected in the work plan 2014.

Further quantification of policy-relevant effects indicators such as biodiversity change that should be linked to integrated modelling work may be related to CBD.

Task force on Hemispheric Transport of Air Pollution carried out a meeting in Pasadena in February 2012. The Task Force continues, more information on <http://www.htap.org/>

Expert panel on heavy metals. Activities now on low level.

More meetings could be found on; <http://www.unece.org/environmental-policy/treaties/air-pollution/meetings-and-events.html>

ILTER-Europe:

The European LTER network (European Long-Term Ecosystem Research Network) is developing rapidly (<http://www.lter-europe.net/>). Co-operation between ICP IM and LTER also relates to the LIFE+ project EnvEurope and is part of the outreach of ICP IM. The EnvEurope annual meeting is carried out in Jyväskylä, Finland 17-20 May, 2013. The final Conference will be held in Rome, Italy, probably in December 2013.

Many of the LTER-Europe sites include ICP IM sites so there is an obvious need to discuss means of further cooperation. The Programme Centre will provide some background information on the topic and the connections to EnvEurope.

LTER Europe is connected to the international programme ILTER and it has its annual meeting in Korea on October 7-11, 2013.

Projects:

- a) ALTER-Net; “*A Long-term Biodiversity, Ecosystem and Awareness Research Network*” (www.alter-net.info) ended the first phase in 2009 but continues in ALTER-Net II thereafter and first hosted by NINA in Norway but now by Finnish Environment Institute, SYKE, Finland. NFPs of ICP IM are involved in the project. This project is also related to the LTER and ILTER; “*International Long-Term Ecological Research*” (<http://www.ilternet.edu/>). ALTER-Net is also related to the preparatory work within ESFRI promoted LifeWatch infrastructure project (<http://www.lifewatch.eu/>). The meeting is expected to discuss the ICP IM vs. ALTER-Net connections. An ALTER-Net conference on “*Science underpinning the EU 2020 Biodiversity Strategy*” was carried out in Ghent, Belgium, 15-18 April 2013.

8. Other future work priorities

The meeting is expected to discuss inclusion of new tasks in the short-term or more long-term work-plan. Relations to the Long-time strategy should be considered. Presentations of some of these topics are made during the IM workshop on May 21, 2013. NFPs may give short progress reports about national achievements regarding new topics (e.g. multisite experiments, ecosystem services). The meeting is also expected to discuss what the role of the international ICP IM network should be in relation to multi-effects evaluations and global change related topics, and how this work should be coordinated. Participation in the European biodiversity monitoring system should be noted. Decisions on further work should be reflected in the work plan 2014-2015 and longer term planning for the WGE.

The answers to the Questions raised by the ICP evaluation group could be discussed.

Discussion/proposals on new tasks:

- (i) New challenges for the Convention work is the relations climate change, biodiversity and land-use. Targets for increased use of biofuel would add effects on ecosystems. Air pollution is one pressure on ecosystems but additional are the impacts from socio-economical drivers. Evolving programmes for increasing pressures need to be addressed. Plans for coming years are expected and could be related to the tentative plans of the ALTER-Net 2 programme, EnvEurope and LifeWatch.
- (ii) Other matters arising from the workshop May 21. Technical matters and progress in these fields will be discussed.

9. Work plan 2013/2014

The meeting is expected to decide on the work plan for 2013/2014, based on the discussion during the workshop and Task Force meeting. A preliminary suggestion prepared by the Programme Centre is presented below:

Activity	Time-frame	Responsible
Joint Report 2013 of the ICPs, TF Health and Joint Expert Group on Dynamic Modeling	WGE 2013	UNECE Secretariat, WGE Bureau and ICP IM Programme Centre
Finalisation of 22st Annual Report 2013	June 2013 WGE 2013	Programme Centre NFP contributions
Report on relations between vegetation changes and CL-exceedances	June 2013 WGE 2013	NFPs of Austria and Sweden, in cooperation with Programme Centre
Report on mass balances for sulphur and nitrogen at ICP IM sites	June 2013 WGE 2013	IM Programme Centre, in cooperation with NFPs
Progress report on base line heavy metal approach	June 2013 WGE 2013	NFP of Sweden and Programme Centre
Activities common to all ICPs, the Task Force on Health and the Joint Expert Group on Dynamic Modelling (see item 6 above)	WGE 2013	Programme Centre according to instructions of the UNECE Secretariat
Submission of quality controlled results for year 2012 to Programme Centre	December 1st 2013	National Focal Points
Cooperation with other ICPs, particularly regarding dynamic modelling (all ICPs), cause-effect relationships in terrestrial systems (ICP Forests, ICP Vegetation), and surface waters (ICP Waters).	According to decisions at the TF meeting	According to decisions at the TF meeting
Cooperation with external organisations (International Long Term Ecological	Task Force 2014	Programme Centre and NFPs

Research Network, LifeWatch, GEO BON). Progress reports		
Inter laboratory comparisons under leadership of ICP Waters, ICP Forests and EMEP	Decided later	Voluntary activities of the National Focal Points
Develop concepts for multi pollutant – multi effect relationships (NO_x, O₃, acidity, heavy metals, POPs, etc). Progress reports	Task Force 2014	Voluntary activities at National Focal Points
Report and scientific paper on mass balances and indicators for sulphur and nitrogen in catchments	Task Force and WGE 2014	Programme Centre in cooperation with NFPs
Report on dynamic modelling on vegetation changes in relation to N	Task Force and WGE 2014	NFP of Austria and Programme Centre, in collaboration with NFPs and ICP M&M
ICP IM Task Force 2014		
ICP IM Annual Report 2014		Programme Centre in collaboration with NFPs
Report and scientific paper on long-term trends in ecosystem effects of S, N and heavy metals	Task Force and WGE 2015	Programme Centre, in cooperation with NFPs

10. Financing/external applications

Financial support for the international coordination of effects-oriented activities under the CLRTAP is available through voluntary contributions to the Trust Fund. Tentatively a representative of the WGE Bureau will present information about the present situation regarding this funding.

Some key actions of the EU 7th framework programme are open for research proposals. Such funding can be used for supporting research activities related to ICP IM, and the participating institutes are encouraged to look into the possibilities for joint applications. Information is available at: <http://cordis.europa.eu/>

Note also the upcoming EU programme Horizon 2020 and e.g. the Forest-based Sector Technology Platform (FTP) have a revised “*Vision 2030 and Strategic Research and Innovation Agenda 2020 (SRA)*”.

The NFPs may report on any progress in this field.

11. Next Task Force meeting

12. Other business

13. Conclusion and end.