



United Nations Economic Commission for Europe (UNECE)  
**Convention on Long-range Transboundary Air Pollution**

**Working Group on Effects (WGE)**

**International Cooperative Programme (ICP) on  
Integrated Monitoring of Air Pollution Effects on Ecosystems**

Minutes of the twenty-third Programme Task Force held on 7 May 2015 in Minsk, Republic of Belarus

**I. Opening of the meeting**

1. Mr. L. Lundin (Sweden), Chair of the Programme Task Force on the International Cooperative Programme (ICP) on Integrated Monitoring of Air Pollution Effects on Ecosystems (IM), opened the Task Force meeting and welcomed the participants. Mr Sergei Zaviyalov from the Ministry of Natural Resources and Environmental Protection of the Republic of Belarus opened the meeting on May 6, during the Workshop. Mr. Zaviyalov described the LRTAP work carried out in the Republic of Belarus.
2. The Task Force adopted the agenda of the meeting (Annex I, in English and in Russian). Mr. Lundin reminded that the explanatory notes for the agenda and the draft Annual Report, circulated in advance in electronic form, contained additional details discussed in the meeting.
3. Thirty-three participants attended the ICP IM Task Force meeting and the Workshop. Participants from the following Parties to the Convention attended the meeting: Austria, Republic of Belarus, Croatia, the Czech Republic, Estonia, Finland, Germany, Italy, Norway, Poland, Spain, Sweden and Switzerland. The ICP Waters and ICP Forests programmes were represented (for list of participants, see Annex II).
4. The meeting noted the results from the workshop on data assessment and evaluation methods (for integrated monitoring data), which was held on 6 May 2015 (Presentations of the Workshop & Task Force online, please see: [http://www.syke.fi/en-US/Research\\_Development/Maintaining\\_ecosystem\\_services\\_and\\_biodiversity/Monitoring/Integrated Monitoring/ICP IM Meetings/ICP IM Task Force and Workshop 2015 presentations](http://www.syke.fi/en-US/Research_Development/Maintaining_ecosystem_services_and_biodiversity/Monitoring/Integrated_Monitoring/ICP_IM_Meetings/ICP_IM_Task_Force_and_Workshop_2015_presentations))

List of presentations also in Annex I.

**II. Minutes of 22<sup>nd</sup> ICP IM TF**

5. The Task Force approved the Minutes of the 22<sup>nd</sup> ICP IM Task Force Meeting in Westport, Republic of Ireland, 2014.

**III. Report from Chairman and Programme Centre**

6. Mr. Lundin presented the programme activities since the last Task Force meeting. For details, please see part three of the Explanatory notes. <http://www.syke.fi/download/noname/%7BBBC42446-CB0E-4EF1-BDED-3EE8A63C4F04%7D/108393> and corresponding presentation: <http://www.syke.fi/download/noname/%7BCA5BD49F-9E0D-47A0-84EB-7F220554EE37%7D/108907>

Part of this information is also available in chapter 1 of the (draft) 24<sup>th</sup> Annual Report (AR) 2015.

#### **IV. Progress in WGE activities in 2014**

7. Mr. Lundin presented the progress in Working Group on Effects (WGE) activities and the highlights from ICPs, Task Force on Health, and Joint Expert Group on Modelling (JEG) in 2014. For details, please see part four of the Explanatory notes. <http://www.syke.fi/download/noname/%7BBBC42446-CB0E-4EF1-BDED-3EE8A63C4F04%7D/108393> and item four in corresponding presentation: <http://www.syke.fi/download/noname/%7BCA5BD49F-9E0D-47A0-84EB-7F220554EE37%7D/108907>

#### **V. Updating of scientific and technical knowledge**

8. Mr. Lundin presented the Joint report 2014, which highlighted impacts of air pollution on human health. It updated scientific and technical knowledge presented by the ICPs, TF on Health and JEG with stronger connections to societal needs and also with direct response to the Convention requests.

The following highlights from the 2014 Joint report were mentioned:

- Air pollution main pressure on disease in ECE region
- Health effects of residential heating
- New ozone function for integrated assessment modelling (IAM)
- Web Application for leaf damage developed
- The biodiversity ‘Habitat Suitability Index’
- A critical load for lichens on trees of 2.4 kg N /ha and year
- Institute in Russian Federation leads the moss survey
- Reduction in corrosion of materials – 50% since 1987

Reports are available from: <http://www.unece.org/index.php?id=33605>

#### **VI. Notes from the WGE Extended Bureau meeting**

9. Mr. Lundin covered the notes from the last Joint EMEP Steering Body (EMEP SB) and WGE Bureau meeting, as well as, the WGE “Extended” Bureau meeting in March 2015 (for details, see Explanatory notes (links above) item five: ‘Updating of scientific and technical knowledge’ and item 6 ‘Notes from the WGE Extended Bureau meeting’).

Mr. Lundin especially mentioned the following points:

- Harmonisation of the EMEP and WGE homepages
- Hemispheric Transport of Air Pollution (HTAP) – global scenarios
- Streamlining of ICP work: Scientific work enhanced in connection with ongoing monitoring and modelling
- Workplan 2016-2017 to be settled by end of 2015, common items brought in by Executive Body (EB), top-down approach
- Black carbon and particles especially important for health aspects
- Common EMEP and WGE Trends report. This report was presented by Ms. de Wit in the Workshop on 6 May, please see: <http://www.syke.fi/download/noname/%7B7430B47F-A006-411C-A99E-86482318DE7D%7D/108905> report will be finalized and presented to WGE September 2015, pictures to the report are welcome
- Work on-going on a joint report for the LRTAP Convention, called the Assessment report 2016, which is a parallel report to the above mentioned Trends report.

#### **VII. CLRTAP Workplan**

10. Mr. Lundin explained that there is a new two year workplan, currently 2014-2015 and workplan 2016-2017 is being compiled. The CLRTAP aims at getting more visibility and to achieve this one way is enhanced collaboration with other organisations and conventions such as WHO, UNEP, UNFCCC and CBD. UNEP has already started to enlarge geographical extent. Outreach is encouraged. Mr. Lundin mentioned that ‘Arctic council’ contacted LRTAP for enhanced work on ‘black carbon’ and methane, now included in air pollution.

Joint report 2015 should highlight policy relevant results. There will be a joint EMEP and WGE meeting in September followed by the WGE meeting on September 17-18, 2015. Next Extended Bureau meeting is planned for 16-17 September 2015.

## VIII. ICP IM activities 2014-2015

11. Mr Lundin covered ICP IM activities in 2014 reported to WGE (ECE/EB.AIR/WG.1/2014/9), report can be found from <http://www.unece.org/index.php?id=32278>. A more detailed list of work carried out in 2014-2015 can be found from Chapter 1 of the (draft) 24<sup>th</sup> Annual Report 2015.

## IX. Reports from WGE and other ICPs

12. Mr. W. Seidling (Germany), Head of the Programme Coordination Centre (PCC) of the ICP Forests programme, described the aims, structure, and the status of the programme. He described latest main activities of the programme, and presented results from 2 recent reports: 2013 Executive Report, 2014 Technical Report, as well as, some results presented in 12 recent scientific articles.

Collaboration between ICP IM and ICP Forests was discussed by the Task Force (and the collaboration through use of common data in the modelling work was noted). The opportunity for increased collaboration between the programmes was noted, as the information contained in vegetation and soil data from common sites is valuable for the vegetation modelling. The Programmes have concrete collaboration regarding the planned 'Report and scientific paper on dynamic response of vegetation changes in relation to nitrogen' (see ICP IM work plan, item XV below).

For details please see:

<http://www.syke.fi/download/noname/%7BB2904CE0-2CF5-475F-8D65-143C3A63F646%7D/108908>

13. Ms. H. de Wit (Norway), Head of the ICP Waters programme centre presented the status, network, progress, and highlights of the ICP Waters programme. She mentioned recent reports from the programme: i) Biodiversity in freshwaters (2013) which concludes that biodiversity for most sites has increased since the 1980s, ii) Biodiversity and climate change (2015), and iii) ICP Waters Trend report (2014-15) focussing on changes in water chemistry after year 2000 and looking at what is expected recovery in 2020 (available at: [icp-waters.no](http://icp-waters.no)), this report also includes data from ICP IM. Ms. de Wit also mentioned a future report on Mercury (2016) focusing on mercury in the aquatic environment. Ms. de Wit also presented the WGE/EMEP Trends report (2015) (see item VI).

The Task Force discussed the collaboration with ICP Waters, possibilities of aiming at common trend reporting in the future, joint TF meetings (first in 2016). Mr. Forsius (Finland) proposed a joint effort to include catchments to ICP IM from areas already participating in ICP Waters in the future trend assessment. ICP IM laboratories were encouraged to participate in the inter laboratory comparisons organized by ICP Waters, for details please contact Ms. de Wit.

Ms. de Wit, on behalf of ICP Waters, invited participants to the next ICP Waters Task Force meeting to be held in Monte Verita, Ascona, Switzerland, 6-8 of October 2015.

For details please see: <http://www.syke.fi/download/noname/%7B253ABA57-B371-4EAE-A4B3-A835B7C66564%7D/108909>

## X. Data submission and database status

14. Ms. S. Kleemola (Finland) described the status of data reporting to the Programme Centre. The following thirteen countries have continued data submission to the ICP IM data base during the period 2010 – 2014: Austria, Belarus, the Czech Republic, Estonia, Finland, Germany, Italy, Latvia, Lithuania, Norway, the Russian Federation, Spain, and Sweden. Presently the number of ICP IM sites with on-going data submission, data for at least part of the period 2009 – 2013, is forty-two. Republic of Ireland re-established site IE01 in 2012 and will provide data in 2015. Switzerland will probably include a new site in 2015/2016. Poland has indicated interest to include one or more sites to the network. Altogether eleven countries submitted data for the year 2013, so far.

The Programme Centre requested National Focal Points to submit 2014 data by 1<sup>st</sup> December 2015, using same procedure as earlier. Possible missing/additional data to be used in the ICP IM trend assessment, should be sent preferably by September 30<sup>th</sup> 2015. ICP IM web pages (including the Manual as web pages, not PDF), see

<http://www.syke.fi/nature/icpim>. Links to National program/site pages should also be included to IM web pages.

Mr. M. Forsius (Finland) Programme Manager stressed the importance of reporting especially the data relevant to the on-going evaluations and scientific work.

## **XI. Reports to be prepared/finalized according to Convention Workplan**

### *A. Convention 2014-2015 workplan items specific for ICP IM*

15. The workplan items specific for ICP IM will be reported to the 34<sup>th</sup> session of the Working Group on Effects in September 2015. They will be presented orally in the Salle and activities will also be reported to WGE and WGSR as part of formal reporting activities. Results are also summarized in the 24<sup>th</sup> Annual Report (2015).

#### (i) Progress report and on dynamic vegetation modelling at ICP IM sites

16. Ms. M. Holmberg (Finland) gave a presentation on this topic in the workshop on 6 May. Progress report is also included as a chapter in the Draft Annual Report 2015. Modelling is carried out as a joint exercise between the Programme Centre and several National Focal Points and other institutes and contributions from ICP M&M and ICP Forests. A report is planned for 2016 and a scientific paper for 2017.

Presentation, please see: <http://www.syke.fi/download/noname/%7BC9DD6010-7510-49B7-8176-EE8F30AACCEF%7D/108887>

#### (ii) Scientific paper on mass balances and indicators for sulphur and nitrogen in catchments

17. Mr. J. Vuorenmaa (Finland) informed that this work is being finalized and will be sent out for comments soon. Preliminary work on this topic was presented last year (2014) in the TF meeting and Annual Report 2014. Scientific paper will be finalized in the Autumn 2015.

#### (iii) Preliminary report on Long-term trends in ecosystem effects of sulphur and nitrogen at ICP IM sites

18. Mr. J. Vuorenmaa (Finland) presented the work which forms the basis on formulating the technical progress report into the 24<sup>th</sup> Annual Report of ICP IM during the workshop on 6 May. A full report will be completed in 2016 and a scientific paper on long-term trends is planned for 2017. For additional sites/additional data to be included in this assessment a deadline 30 September 2015 was set.

Mr. Vuorenmaa also indicated the interest to harmonize IM trend assessments with ICP Waters in the future. Presentation, please see: <http://www.syke.fi/download/noname/%7B2BCAE797-66DB-42E6-9DBA-C979EF46E361%7D/108894>

#### (iv) Progress report on heavy metal trends at ICP IM sites

19. Mr. L. Lundin gave a presentation on this topic prepared together with Mr. S. Åkerblom. A progress report is also included as a chapter in the Draft Annual Report 2015. Mr. Lundin noted the lack of time series and some inconsistencies in the data, an effort will be made to include additional data from ICP IM network to the assessment.

Presentation, please see: <http://www.syke.fi/download/noname/%7B3D934BF6-7AA3-4705-8A57-F50C18649043%7D/108964>

### *B. Convention 2014-2015 workplan items common to all ICPs, the Task Force on Health and the Joint Expert Group on Dynamic Modelling*

20. The workplan items common to all WGE programmes will be reported to the 34<sup>th</sup> session of the Working Group on Effects in September 2015.

21. The Task Force entrusted the Programme Centre to submit necessary readily available data to the secretariat, based on the present Annual Report or earlier reports/data on:

- i) *Summary report on policy relevant results from ICP IM (to be included in Joint progress report of the ICPs for the WGSR)*. This will be prepared by the Programme Centre together with the chairman.
- ii) *Report on priority activities with motivations related to the long-term strategy of LRTAP*. The Programme Centre and chairman according to the instructions of the UNECE secretariat.

(i) 24<sup>th</sup> Annual ICP IM report

22. The Programme Centre had prepared a draft version of the report, containing information on the status and progress of the Programme's activities. The Task Force approved in principle the 24<sup>th</sup> Annual Report 2015, invited interested NFPs to submit additional contributions (short National reports) and/or corrections by the 12<sup>th</sup> of June 2015 and requested the Programme Centre to finalize it for submission to the 34<sup>th</sup> session of WGE on 14-18 September 2015. National contributions will be included as Annexes to the Annual Report.

## **XII. Technical reporting for WGE and WGSR**

23. Activities and results will be reported following a 12 items structure (from year 2014), which replaced the official technical reports. Report is due June 30, 2015. In addition there can be unofficial reports such as the ICP IM AR where workplan items can be presented.

A recommendation for the ICPs is to include country reports. These can be included in the Annual Report (see above).

## **XIII. Considerations in perspective of more efficient ICP organization**

24. The following recommendations for common ICP activities were discussed:

1. Common Task Force meetings with ICP Waters
2. Common trend work and reporting with ICP Waters in the future
3. Common outreach for sites with other ICPs
4. Common data use in the modelling work together with ICP Forests
5. Common modelling work with ICP M&M
6. Intercalibrations across ICPs.

The collaboration with other ICPs is expected to continue. Key tasks are analysis of long-term trends, calculation of critical loads and exceedances and dynamic modelling.

The common Task Force meeting has been set for 2016 together with ICP Waters. A progress report on Mercury was discussed and included tentatively in the Workplan for 2017.

Co-operation in VSD modelling with ICP M&M is on-going (see point 16). Contribution from NFPs and other participating institutes is essential to the work.

All of these ideas will be further processed and dealt with at upcoming TF meetings of both ICP programmes.

## **XIV. Co-operation with other projects and organizations**

### *A. LTER-Europe, ILTER, LifeWatch*

25. Mr. Forsius presented eLTER EU/H2020 research infrastructure project and its relations to ICP IM activities during the Workshop on 6 May. The European Union is funding large research projects as part of the Horizon 2020 programme (H2020). European LTER-network (Long-Term Ecological Research) submitted a research proposal to support construction of the European LTER-network, project received funding, and will start in June 2015. Project leader is Michael Mirtl/Herbert Haubold, Austria. Many ICP IM sites are also sites in LTER-Europe. For details see: <http://www.syke.fi/download/noname/%7BD927DB08-B3F4-463D-87E9-A68422652B1C%7D/108886>

*B. Other external projects/organisations*

26. The use of ICP IM data and participation of the Programme Centre and NFPs in various other projects was encouraged.

**XV. Workplan 2015 and tentative plan 2016-2017**

27. The Task Force agreed on workplan of ICP IM for 2015 and tentatively for 2016-2017.

<b>Activity</b>	<b>Time-frame</b>	<b>Responsible</b>
<b>ICP IM work plan 2015</b>		
<b>Joint Report 2015 of the ICPs, TF Health and Joint Expert Group on Dynamic Modeling</b>	WGE 2015 (due June 2015)	UNECE Secretariat, WGE Bureau and ICP IM Programme Centre
<b>Finalization of 24<sup>th</sup> Annual Report 2015 (short National reports are welcomed)</b>	WGE 2015 (comments and national reports by 12 June 2015)	Programme Centre NFP contributions
<b>Progress report on dynamic vegetation modelling at ICP IM sites (chapter in AR 2015)</b>	June 2015 WGE 2015	NFPs of Austria and Sweden, in cooperation with Programme Centre
<b>Scientific paper on mass balances for sulphur and nitrogen in catchments</b>	August 2015 WGE 2015	IM Programme Centre, in cooperation with NFPs
<b>Progress report on assessing long-term trends of S and N at ICP IM sites (chapter in AR 2015)</b>	June 2015 WGE 2015	IM Programme Centre, in cooperation with NFPs
<b>Progress report on heavy metal trends at ICP IM sites (chapter in AR 2015)</b>	June 2015 WGE 2015	NFP of Sweden in cooperation with Programme Centre and NFPs
<b>Reporting of activities common to all ICPs, the Task Force on Health and the Joint Expert Group on Dynamic Modelling (see Technical reporting VII)</b>	WGE 2015	Programme Centre and Chairman according to instructions of the UNECE Secretariat
<b>Submission of quality controlled results for year 2014 to Programme Centre</b>	December 1 <sup>st</sup> 2015	National Focal Points
<b>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). (See XI and XIII)</b>	According to decisions at the TF meeting	According to decisions at the TF meeting
<b>Inter laboratory comparisons under leadership of ICP Waters, ICP Forests and EMEP</b>	ICP F and ICP W 2015 on-going	Voluntary activities of the National Focal Points
<b>ICP IM draft work plan 2016-2017</b>		
<b>ICP IM Task Force meeting 2016</b>		
<b>ICP IM Annual Report 2016</b>	Task Force and WGE 2016	Programme Centre in collaboration with NFPs

<b>Report on assessing long-term trends of S and N</b>	Task Force and WGE 2016	Programme Centre in co-operation with NFPs
<b>Report and scientific paper on dynamic response of vegetation changes in relation to nitrogen</b>	Report: Task Force and WGE 2016 Scientific paper in 2017	Programme Centre, NFPs of Austria and Sweden in co-operation with other NFPs Formal co-operation with ICP M&M and ICP Forests
<b>Report on HM trends and budgets</b>	Task Force and WGE 2017	NFP of Sweden and Programme Centre, in co-operation with other NFPs
<b>Progress report on Mercury (to be discussed at the ICP Waters TF meeting 2015)</b>	Task Force and WGE 2017	NFP of Sweden and Programme Centre, in co-operation with other NFPs Potential co-operation with ICP Waters
<b>Report on connections between calculated CL exceedances and observed impacts of N</b>	Task Force and WGE 2017	Programme Centre in co-operation with NFPs Potential co-operation with ICP M&M
<b>Cooperation with external organisations (International Long Term Ecological Research Network ILTER, LifeWatch, GEO BON). Progress reports</b>	Task Force 2016	Programme Centre and NFPs eLTER EU-project activities
<b>Develop concepts for multi pollutant – multi effect relationships (NO<sub>x</sub>, O<sub>3</sub>, acidity, heavy metals, POPs, etc). Progress reports/contributions to Annual Report OR presentations in Workshop</b>	Task Force 2016	Voluntary activities at National Focal Points
<b>Reporting of ICP IM activities to WGE</b>	WGE 2016 and 2017	Programme Centre and Chairman

## **XVI. Financing**

28. The possibilities for the Convention's trust fund to partially support the international coordination work at programme centres of effects activities and integrated assessment modelling each year was noted. The support will slightly decrease. The support of countries to Programme Centres is most important and is appreciated.

It was noted that some key actions of the EU Horizon 2020 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. The EU/H2020 eLTER-project starting in June 2015, will support also ICP IM data evaluation activities. Information is available at: <http://cordis.europa.eu/>

## **XVII. Next Task Force meeting**

29. Mr Lundin informed that the next Task Force meeting will tentatively be held in Norway together with ICP Waters in May 2016. The TF meeting approved the location and welcomed a joint meeting in Norway.

## **XVIII. Other business**

26. The participants were once again reminded to provide written comments and possible additions (short national reports) to the draft Annual Report by 12<sup>th</sup> of June 2015.

## **XIX. Conclusion**

27. The Chair expressed heartfelt thanks to participants and the host country. Special thanks for the excellent arrangements to the local organisers team (Anatoly, Marina, Sergei, Darya and others) from the Ministry of Natural Resources and Environmental Protection of the Republic of Belarus.
28. The Task Force appreciated, in anticipation, next day's excursion to Berezinsky Biosphere Reserve and a visit to background monitoring station Berezinsky Reserve arranged by the hosts.
29. Meeting closed.



**Annex I (in English)**

**CONVENTION ON LONG-RANGE TRANSBOUNDARY AIR POLLUTION**

**International Cooperative Programme on Integrated Monitoring of  
Air Pollution Effects on Ecosystems**

**23<sup>rd</sup> ICP IM Task Force Meeting & Workshop  
Minsk, Belarus 6-8 May 2015**

The meeting is organized by the Ministry of Natural Resources and Environmental Protection of Belarus

**Venue:** state educational establishment “Republican Centre of Excellence for managers and specialists of the Ministry of Natural Resources and Environmental Protection of Belarus”, Minsk

**Date:** 6-8 May 2015

**Language:** English, Russian

**Tuesday 5 May**

Arrival of participants

**Wednesday 6 May**

**1. Workshop on data assessments and evaluation methods for IM data**

**9.00 – 9.10** Opening of meeting (*Sergei Zaviyalov, Ministry of Natural Resources and Environmental Protection of the Republic of Belarus*)

*Lars Lundin, ICP IM Chairman, Sweden.*

**9.10 – 10.30** workshop

**10.30 – 10.55** coffee break

**10.55 – 12.30** workshop

**12.30 – 13.30** lunch

**13.30 – 15.00** workshop

**15.00 – 15.25** coffee break

**15.25 – 17.00** workshop and final discussion

**ca. 17.00** closing

(15 minutes/presentation + 5 minutes for discussion)

**Reports:**

**Session I: Introductory presentations from host country**

*Natalia Zharkina, Ministry of Natural Resources and Environmental Protection of Belarus*  
Strategic directions of development of the national environmental monitoring system in Belarus.

*Natalia Schegoleva, Republican Centre of analytical control in the field of environmental protection*  
*Ministry of Natural Resources and Environmental Protection of Belarus*  
Organization and analytical control of emissions of pollutants into the air.

*Bogdana Kozeruk, Hydromet Ministry of Natural Resources and Environmental Protection of Belarus*  
Chemical composition of precipitation and snow cover in the Republic of Belarus.

*Anna Malschihina, Institute of Nature Management of the National Academy of Sciences of Belarus*  
Study of the content of ammonia in the air in areas of impact effects.

## **Session II: Ecosystem budgets & long term trends**

*Johannes Kobler, Environment Agency Austria*

Disturbance effects on forest carbon cycle

*Heleen de Wit, Norwegian Institute for Water Research (NIVA)*

Presentation of the WGE Trends report

*Jussi Vuorenmaa, Finnish Environment Institute (SYKE)*

Workplan for trend assessment of bulk deposition, throughfall and runoff water chemistry at ICP IM sites

## **Session III: New monitoring sites& projects**

*Krzysztof Skotak, Polish Institute of Environmental Protection*

Polish Integrated Monitoring network and Monitoring Station “Puszcza Borecka”

- Range of research in terms of possible accession to ICP IM network

*Fabio Lepori & Luca Colombo, Institute of Earth Sciences, Switzerland*

An observatory of atmospheric deposition and climate change in the Swiss Alps

*Luca Colombo, Institute of Earth Sciences, Switzerland*

Monitoring of integrated ecosystem responses to air pollutants in the Swiss Alps

- Proposal for a pilot study

*Martin Forsius, Finnish Environment Institute (SYKE)*

eLTER EU/H2020 research infrastructure project: relations to ICP IM activities

## **Session IV: Vegetation and soil modelling**

*Maria Holmberg, Finnish Environment Institute (SYKE)*

Progress on dynamic modelling at ICP IM sites

*Pavel Krám, Czech Geological Survey*

Changes in soil dissolved organic carbon affect reconstructed history and projected future trends in surface water acidification.

## **Thursday 7 May**

### **II. Task Force meeting**

**9.00 – 10.30** TF meeting

**10.30 – 10.55** coffee break

**10.55 – 12.30** TF meeting

**12.30 – 13.30** lunch

**13.30 – 15.00** TF meeting

**15.00 – 15.25** coffee break

**ca. 17.00** closing

**19.00** Social dinner

## **Agenda**

1. Opening of the meeting
2. Minutes of 22<sup>nd</sup> ICP IM TF
3. Report from Chairman and Programme Centre
4. Progress in WGE activities 2014
5. Updating of scientific and technical knowledge
6. Notes from the WGE Extended Bureau meeting
7. CLRTAP Workplan
8. ICP IM activities 2014-2015
9. Reports from WGE and other ICPs
  - Walter Seidling, ICP Forests, Germany  
Recent activities of ICP Forests
  - Heleen de Wit, ICP Waters, Norway  
Status ICP Waters programme
10. Data submission and database status
11. Reports to be prepared /finalized in 2015
12. ICP IM Technical reporting
13. Considerations in perspective of more efficient organization
14. Co-operation with other projects/organization
15. Work plan 2014-2015 and 2016-2017
16. Financing/external applications
17. Next Task Force meeting
18. Other business
19. Conclusion and end of the meeting

## **Friday 8 May**

### **3. Excursion to the Berezinsky Biosphere Reserve and a visit to background monitoring station “Berezinsky Reserve”**

08:00 Departure from Minsk

10:00 – 17:00 – excursion

19:00 Arrival to Minsk

Departure of the participants

## **Saturday 9 May**

Departure of the participants

**Annex I (in Russian)**

**ПРОГРАММА  
23-го СОВЕЩАНИЯ ЦЕЛЕВОЙ ГРУППЫ МЕЖДУНАРОДНОЙ  
СОВМЕСТНОЙ ПРОГРАММЫ ПО КОМПЛЕКСНОМУ  
МОНИТОРИНГУ (МСП КМ) ВЛИЯНИЯ ЗАГРЯЗНЕНИЯ ВОЗДУХА  
НА ЭКОСИСТЕМЫ И СЕМИНАР**

Минск, Беларусь, 6–8 мая 2015 года

Место проведения: ГУО «Республиканский центр повышения квалификации руководящих работников и специалистов Минприроды», г. Минск

Дата: 6–8 мая 2015 г.

Рабочий язык: английский, русский

**Вторник, 5 мая**

Заезд участников совещания

**Среда, 6 мая**

**1. Семинар по оценке данных и методам проведения оценки данных комплексного мониторинга**

**9.00-9.10** Открытие совещания (*заместитель Министра Качановский И.М., Беларусь*), Ларс Лундин, председатель Целевой группы, Швеция

**9.10 – 10.30** – семинар

**10.30 – 10.55** – кофе-пауза

**10.55 – 12.30** – семинар

**12.30 – 13.30** – обед

**13.30 – 15.00** – семинар

**15.00 – 15.25** – кофе-пауза

**15.25 – 17.00** – семинар и завершение обсуждений

**17.00 – 17.15** – закрытие заседания

(15 минут/презентация + 5 минут для обсуждений)

**Доклады на сессиях:**

**Сессия I: Вступительные доклады принимающего государства**

*Жаркина Н.И., Минприроды (Беларусь)*

Стратегические направления развития национальной системы мониторинга окружающей среды в Республике Беларусь.

*Щеголева Н.П., РЦАК Минприроды (Беларусь)*

Организация и проведение аналитического контроля выбросов загрязняющих веществ в атмосферный воздух.

*Козерук Б.Б., Гидромет (Беларусь)*

Химический состав атмосферных осадков и снежного покрова в Республике

Беларусь.

*Мальчихина А.В., Институт природопользования НАН (Беларусь)*  
Изучение содержания аммиака в атмосферном воздухе в зонах импактного воздействия.

### **Сессия II: Бюджеты экосистемы и долгосрочные тенденции**

*Йоханесс Коблер, Экологическое агентство (Австрия)*  
Эффекты нарушения лесного углеродного цикла.

*Хелин де Вит, Норвежский Институт водных исследований (NIVA)*  
Презентация доклада Рабочей группы по воздействию о тенденциях.

*Юсси Вуоренмаа, Финский институт окружающей среды (SYKE)*  
Рабочий план для проведения оценки тенденций осадений больших объёмов, химический состав атмосферных осадков и ливневых сточных вод на станциях Международной совместной программы по комплексному мониторингу.

### **Сессия III: Новые участки проведения мониторинга и проекты**

*Крыштоф Скотак, Польский Институт охраны окружающей среды*  
Сеть интегрированного мониторинга Польши и станция мониторинга «Пуца Борецка»  
Научно-исследовательские работы в рамках возможного присоединения к сети Международной совместной программы по комплексному мониторингу.

*Фабио Лепори и Люка Коломбо, Институт наук о Земле (Швейцария)*  
Пункт наблюдений мониторинга атмосферного осаждения и изменения климата в Швейцарских Альпах.

*Люка Коломбо, Институт наук о Земле (Швейцария)*  
Мониторинг комплексного реагирования экосистемы на загрязняющие вещества в Швейцарских Альпах.  
Предложение для проведения пилотного исследования.  
*Мартин Форсиус, Финский Институт окружающей среды (SYKE)*  
Проект научно-исследовательской инфраструктуры eLTER EU/H2020: взаимосвязь с мероприятиями Международной совместной программы по комплексному мониторингу.

### **Сессия IV: Моделирование растительных и почвенных процессов**

*Мария Холмберг, Финский Институт окружающей среды (SYKE)*  
Прогресс динамического моделирования на станциях Международной совместной программы по комплексному мониторингу.

*Павел Крам, Чешская геологическая служба*  
Изменения в воздействиях органического углерода, растворённого в почве: восстановленная история и прогнозируемые тенденции в закислении поверхностных вод.

**Четверг, 7 мая 9.00-17.00**

## **2. Заседание Целевой группы**

**9.00 – 10.30** – заседание Целевой группы

**10.30 – 10.55** – кофе-пауза

**10.55 – 12.30** – заседание Целевой группы

**12.30 – 13.30** – обед

**13.30 – 15.00** – заседание Целевой группы

**15.00 – 15.25** – кофе-пауза

**15.25 – 17.00** – заседание Целевой группы

**17.00** – закрытие заседания

**19.00** – официальный ужин

## **Повестка дня заседания Целевой группы**

1. Открытие заседания
2. Обзор результатов 22 заседания Целевой группы Международной совместной программы по комплексному мониторингу
3. Доклад председателя Целевой группы и представителей Центра Программы
4. Успехи деятельности Рабочей группы экспертов в 2014 г.
5. Обновление научных и технических знаний
6. Заметки совещания расширенного Бюро Рабочей группы по воздействию.
7. План работы Конвенции о трансграничном загрязнении воздуха на большие расстояния
8. Действия Международной совместной программы по комплексному мониторингу на 2014–2015 гг.
9. Доклады представителей Рабочей группы по воздействию и иных Программ международного сотрудничества
  - Уолтер Сейдлинг, Программа международного сотрудничества по воздействию на лес, Германия  
Недавно реализованные мероприятия Программы международного сотрудничества по воздействию на лес
  - Хелин де Вит, Программа международного сотрудничества по воздействию на воду, Норвегия  
Статус мероприятий Программы международного сотрудничества по воздействию на воду
10. Представление данных и статус базы данных
11. Доклады, которые необходимо подготовить/завершить подготовку в 2015 году
12. Технический доклад Международной совместной программы по комплексному мониторингу
13. Рассмотрение вопроса обеспечения более эффективной организации в будущем
14. Взаимодействие с иными проектами/организациями
15. План работы на 2014-2015 гг. и 2016-2017 гг.
16. Финансирование/внешние приложения
17. Следующее заседание Целевой группы
18. Иные вопросы
19. Заключение и завершение заседания

**Пятница, 8 мая**

**3. Экскурсия в Березинский биосферный заповедник и посещение станции фонового мониторинга «Березинский заповедник»**

**08.00** – отправление из г. Минска

**10.00 – 17.00** – экскурсия

**19.00** – возвращение в г. Минск

Отъезд участников совещания

**Суббота, 9 мая**

Отъезд участников совещания

Annex II List of participants:

Johannes Kobler	Austria	Environment Agency Austria, Spittelauer Lände 5, A-1090 Vienna, Austria	johannes.kobler@umweltbundesamt.at
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Svetlana Tereshchenko	Belarus	State Scientific Institution «The V.F.Kuprevich Institute of Experimental Botany», National Academy of Sciences	
Natalya Shchegoleva	Belarus	State Institution «Republican Centre for Analytical Control in the field of Environmental Protection»	
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