

AGENDA - FUTURE OF THE GLOBAL AIR MONITORING WORKSHOP –
version 21 March 2009

Meeting place: Hotel Pulkovskaya, St. Petersburg, Russian Federation – meeting room will be specified latter on

Time of Workshop: Tuesday, 31 March, 2009, 09.00 – 18.00

Length of presentations: 10 minutes preferable, 15 minutes as a maximum – please summarize shortly your experiences, state-of-the-art of your programmes or projects and more focus your attention to the problems, open questions, plans for future – do not forget for the main subject of our meeting – Future of the Global Air Monitoring – we will have not time for detailed programmes presentations or detailed results – our main topic is different – to initiate future effective co-operation among the existing programmes and Conventions

1) Introduction: SC, Global Monitoring plan, review of the air results from the WEOG and CEEC regional reports – 09.00 – 09.45 (timing is preliminary)

Katarina Magulova: The global monitoring plan on POPs-implementation of the first phase.

Tom Harner: Air monitoring for POPs in the WEOG region: Results from the First Regional Monitoring Report for the Effectiveness Evaluation of the Stockholm Convention of POPs

Ivan Holoubek: Air monitoring for POPs in the CEEC region: Results from the First Regional Monitoring Report for the Effectiveness Evaluation of the Stockholm Convention of POPs

Discussion: *conclusions and recommendations, main gaps and challenges, plans for the future.*

Chairing: Katarina Magulova

2) Existing active air monitoring programs, their status, comparability, synergies, cooperation – 09.45 – 10.45

Wenche Aas: EMEP monitoring programme and campaigns. Status and challenges.

Hayley Hung: Canadian Air Monitoring Networks for POPs - the Northern Contaminants Program (NCP) and the Integrated Atmospheric Deposition Network (IADN) - Updates and QA/QC Issues

Peter Weiss: air monitoring within MONARPOP and follow-up

Ramon Guardans: Current status and prospects for the future in POPs monitoring in the Mediterranean: relations/synergies between the MAP/lbs protocol and the SC, the role of CPRAC and GMP.

Discussion: *comparability of the programs and data, their synergies, potential for cooperation, intercalibration*

Chairing: Wenche Aas

3) **Passive air samplers as a complementary tool to high volume samplers: existing POPs monitoring programs using passive samplers** – 11.00 – 11.45

Tom Harner: Update on the GAPS Network

Ivan Holoubek: MONET networks: CZ, CEEC, AFRICA, PACIFIC

Discussion: *: comparability of the programs and data, their synergies, potential for cooperation, intercalibration*

Chairing: Ivan Holoubek

4) **Modelling approaches. Challenges for using air monitoring data for the time trend analysis for assessing effectiveness of control measures** – 11.45 – 13.30

Andy Sweetman, Kevin Jones: Linking emission inventories, monitoring and modelling of POPs: Spatial and temporal trends of PCBs, PAHs and PCDD/Fs in the UK atmosphere from 1991 to 2007

Tom Harner: Beyond Statistics: Assessing Temporal and Spatial Trends of Legacy POPs in the Atmosphere

Victor Shatalov: Any modelling work from EMEP???

J. Ma and S. Venkatesh (presented by Hayley Hung): Impact of intercontinental atmospheric transport of lindane on North American and Great Lakes environment

Jana Klanova: Trend data derived from ten years at the Kosetice station?

Pavel Čupr: Emissions, trajectories, modelling

Discussion: *sampling inconsistencies, climatic and meteorological conditions, analytical challenges*

Chairing: Andy Sweetman

13.30 – 14.30 – Lunch time

5) **Strengths and weaknesses, opportunities and threats of passive sampling – meteorology, particles, designs, toxicity, risks** – 14.30 – 15.30

Andy Sweetman: Sampling of particles

Pavel Čupr: Application of PAS for toxicity and risk assessments

Discussion:

Chairing: Jana Klanova

6) **Data comparability: Active versus passive. Passive among various programs. Is it needed between the programs? What can be done?** - 15.30 – 16.15

Victor Shatalov: Usage of passive sampling results for monitoring/modelling evaluation of POP contamination. Results and questions. Discussion on applicability of passive sampling results. Evaluation of POP pollution levels within the European region using measurements of active and passive sampling and modelling results. Comparison of POP modelling results with measurements of passive sampling campaigns (the use of spatial distribution and interannual variations of measured pollution levels, comparability with data of active sampling). Investigation of the uncertainties in spatial distribution of available POP emissions using the comparison with measured levels and back trajectories

Discussion:

Chairing: Victor Shatalov

7) **Future: Challenges with incorporating new POPs into air monitoring programs** - 16.15 – 17.00

Tom Harner: Perspectives on 'New' POPs and Data Comparability Issues

Alexei Konoplev: project funded by CRDF on PBDEs in ambient air of Russian cities and their gradient in direction Moscow/Obninsk to Russian Arctic (Arkhangelsk, Amderma, Chukotka).

E. Guerriero, S. Mosca, M. Rotatori, G. Tramontano: Simultaneous sampling and analysis of PCDD/Fs, PCBs, HCB and PAHs in ambient air

Discussion:

Chairing: Alexei Konoplev

8) **Expert opinion** on future developments, approaches, recommendations and long-term strategies addressed to COP – 17.00 – 18.00

Discussion:

Chairing: Tom Harner

List of participants:

Katarina Magulova (SSC)

Keith Bull (S-CLRTAP)

Sergej Dutchak, Victor Shatalov (MSC East)

Wenche Aas (EMEP)

Tom Harner and Hayley Hung (Environment Canada)

Lars-Otto Riersen, Simon Wilson (AMAP)
Andy Sweetman (Lancaster University)
Ivan Holoubek, Jana Klánová, Pavel Čupr (RECETOX)
Alexey Konoplev (Tayphoon, RF)
Ramon Guardans (Spain)
Peter Weiss (UBA Austria)
M. Rotatori, E. Guerriero, S. Mosca (CNR-Institute for Atmospheric Pollution Rome,
Italy)