



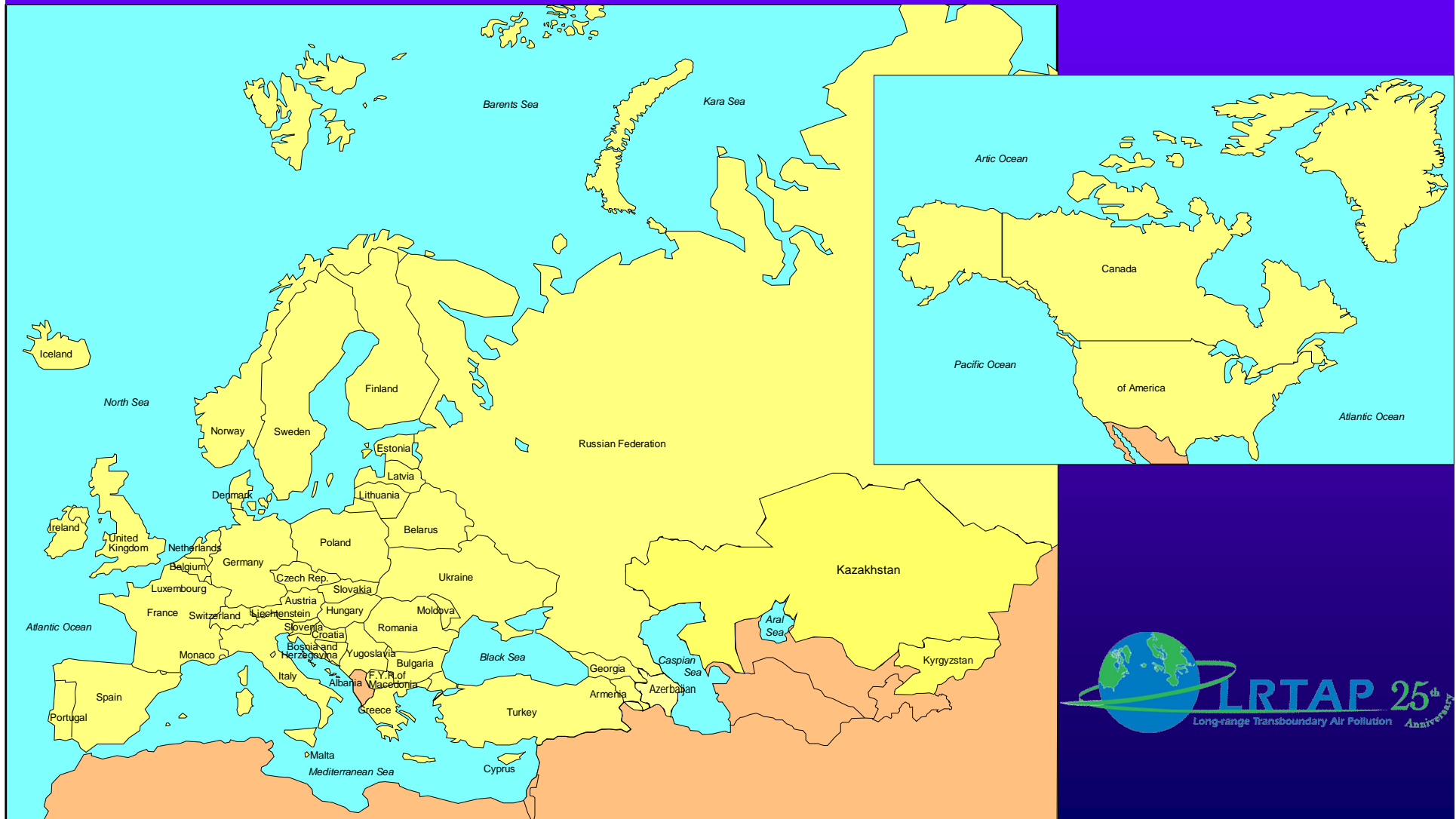
THE UNECE CONVENTION ON LONG-RANGE TRANSBOUNDARY AIR POLLUTION

Workshop to Promote the Ratification of the
Protocols on Heavy Metals, POPs and the
Gothenburg Protocol across the UNECE region –
26-28 October 2009, St. Petersburg

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The UNECE Secretariat to the Convention

CONVENTION ON LONG-RANGE TRANSBOUNDARY AIR POLLUTION

51 Parties in Europe, North America and Central Asia



STRUCTURE OF THE CONVENTION ON LONG-RANGE TRANSBOUNDARY AIR POLLUTION

EXECUTIVE BODY

Implementation Committee

Working Group on
Strategies and Review

Working Group on Effects

EMEP Steering Body

Expert Groups

Task Forces

International
Cooperative
Programmes



EXECUTIVE BODY

IMPLEMENTATION COMMITTEE

WG EFFECTS

ICP
Forests
Task Force

Programme
Coordinating
Centre

ICP
Integrated Monitoring
Task Force

Programme
Centre

ICP
Modelling and Mapping
Task Force

Coordination
Centre for
Effects

ICP
Materials
Task Force

Main Research
Centre

ICP
Vegetation
Task Force

Programme
Centre

ICP
Waters
Task Force

Programme
Centre

Task Force
Health

EMEP

Task Force on Emission
Inventories and Projections

Centre for Emission
Inventories and Projections

Task Force on
Measurement and Modelling

Chemical Coordinating
Centre

Meteorological Synthesizing
Centre-West

Meteorological Synthesizing
Centre-East

Task Force on Integrated
Assessment Modelling

Centre for Integrated
Assessment Modelling

TF on Hemispheric
Transport of Air Pollution

WG STRATEGIES AND REVIEW

Task Force on
Reactive Nitrogen

Task Force on
Heavy Metals

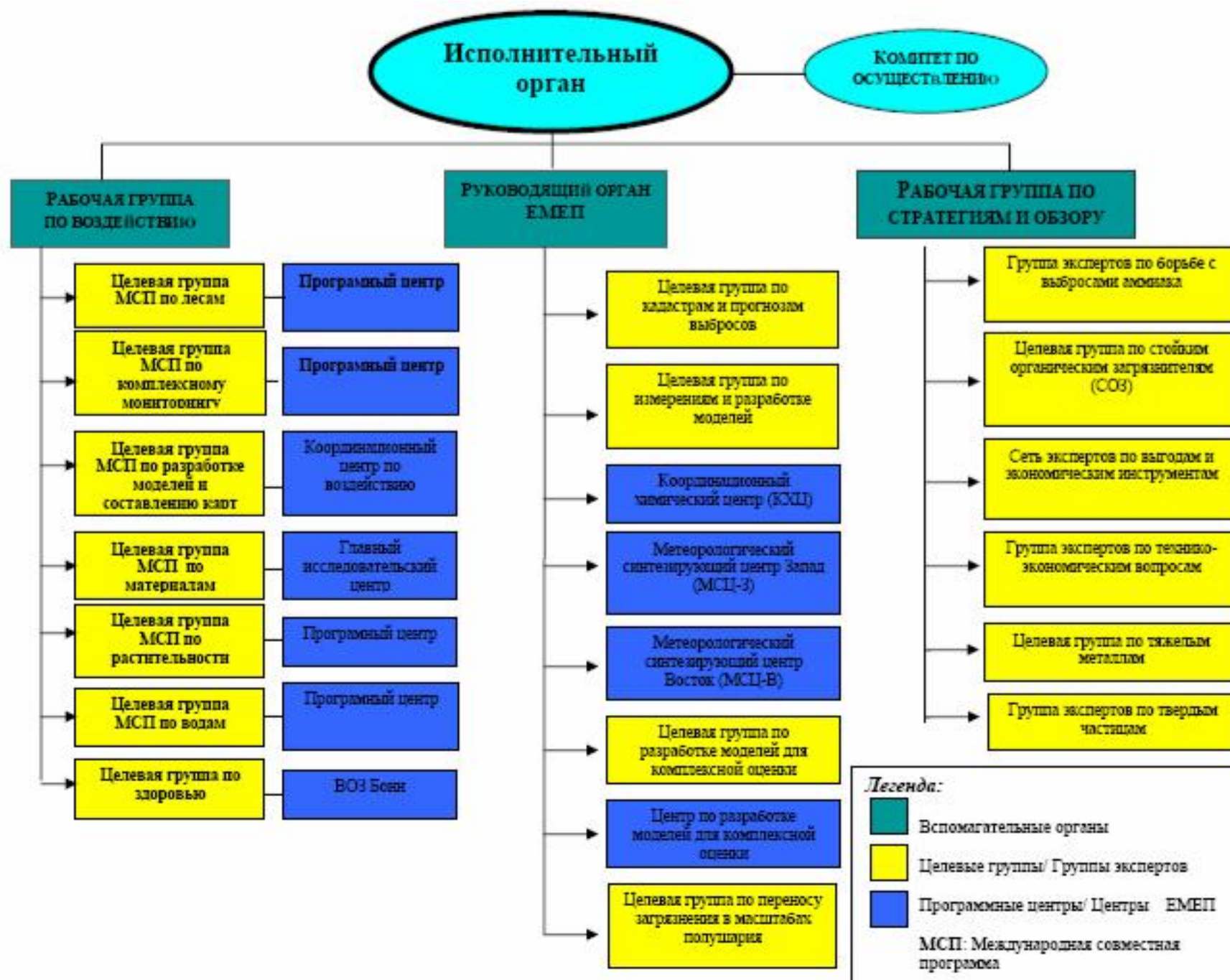
Network of Experts
on Benefits and
Economic Instruments

Expert Group on
Techno-economic Issues

Task Force
on POPs

Expert Group on
Particulate Matter





**There are many Parties to the
Convention, but the Convention itself is
just a framework.....**

Protocols to the Convention

Geneva 1984	EMEP Protocol	42 Parties	Cost-sharing of monitoring, modelling and evaluation work
Helsinki 1985	Sulphur Protocol	24 Parties	Flat-rate reduction (30%) of 1980 emissions by 1993
Sofia 1988	NO_x Protocol	33 Parties	Flat-rate, stabilization of 1987 emissions by 1994, BAT requirements
Geneva 1991	VOC Protocol	23 Parties	Flat-rate reduction (30%) by 1999, optional base year, stabilization for low-emission areas, BAT requirements
Oslo 1994	2nd Sulphur Protocol	28 Parties	Effects-based emission ceilings (acidification), mandatory limit values for major sources



Protocols to the Convention

Aarhus 1998	Heavy metals Protocol	29 Parties (HR, MD)	Stabilize emissions of cadmium, lead and mercury; limit values for major sources
Aarhus 1998	POPs Protocol	29 Parties (HR)	Stabilize emissions of PAH, dioxins/furans and HCB; phase out selected pesticides, limit values for major sources
1999, Gothenburg Multi-pollutant Multi-effect Protocol	Acidification, Eutrophication and Ground- level Ozone (HR) 25 Parties	Effects based using integrated assessment modelling. Specifies emission ceilings and controls for sulphur, nitrogen oxides, ammonia and volatile organic compounds (VOCs)	

The Protocol on Heavy Metals

- Provides for control of cadmium, lead and mercury
- Basic obligations:
 1. Reduce annual emissions (below 1990 levels or other year between 1985-95);
 2. Apply BAT and ELVs to stationary sources;
 3. Apply product control measures (annex VI) and consider other measures (annex VII);
 4. Develop and maintain emission inventories.
- Reporting obligations:
 1. Emission data
 2. Information on implementation measures

Review of the Heavy Metals Protocol

- Dec. 06: Review of obligations completed;
- 2007-08: Options for further reducing HM, updating BAT and adding flexibility for EECCA and SEE;
- Dec. 08: EB welcomed the options and outcomes from Yerevan workshop (May 08);
- 2009: Informal EECCA and SEE consultations;
- Sept. 09: Official amendment proposals by Parties on:
1. Reference years (annex I) and time-scales for ELVs and BAT (annex IV) for EECCA and SEE;
2. Annexes I-VII; to add new source categories, and to update BAT and ELVs;
- Dec. 09: EB (Parties) expected to mandate WGSR to negotiate amendments (2010-2011?);
- 09-10: Review of options to add mercury containing products to annex VI

The Protocol on POPs

POPs = Organic substances used as pesticides, industrial chemicals and by-products/contaminants

POPs criteria:

- (i) toxic (ii) persistent (iii) bioaccumulate (iv) prone to LRTAT and deposition (v) likely to harm health and environment

Obligations

- Eliminate production and use of POPs (listed in annex I) - either immediately or at a fixed date – and ensure their safe elimination/disposal;
- Restrict the use of POPs (in annex II)
- Reduce the emissions of POPs (in annex III)
- Apply limit values for incineration of (municipal, hazardous, medical) waste;
- Apply BAT to stationary sources (in annex VIII)
- Maintain emission inventories and report data

Review and revision of the POPs Protocol

Scope:

- **Reassessment of substance-related provisions, revision of BAT and ELVs;**
- **Inclusion of 7 new POPs and their management options:** (HCBD, Octa-BDE, PeCB, Penta-BDE, PFOS, PCN, SCCP)
- (5 POPs under review for poss. future inclusion: Dicofol, endosulfan, HBCD, pentachlorophenol and trifluralin);
- **Flexibilities for EECCA and SEE on ELVs, application of BAT and timescales for implementation**

Process:

- 2004-2007: Review of effectiveness and sufficiency and of new POPs candidates by TFPOPs
- Dec. 2008: Amendment proposals by Parties
- 2008-2009: Negotiation of draft amendments by WGSR;
- 2009: Informal EECCA and SEE consultations;
- **Dec 09: Parties to POPs Protocol expected to adopt amendments and agree remaining ELVs**

The Gothenburg Protocol (obligations):

- Reduce sulphur, NO_x, VOCs and ammonia emissions (ceilings for 2010 in annex II);
- Apply ELVs for specific emission sources;
 - E.g. Combustion plants, electricity production, cars and lorries
- Apply BAT to mobile sources and new stationary sources (Guidance docs I-V);
- Control ammonia emissions;
- Cut emissions of VOCs from products;
- Annual reporting

Revision of Gothenburg Protocol:

Scope:

- Emission ceilings; environmental targets (including non-binding aspirational targets for 2050)
- Guidance documents;
- Annexes (ELVs for SO₂, NO_x, VOCs - and PM)
- Increased flexibility for EECCA

Process:

- Review of obligations completed in Dec. 07;
- Since 2008: Negotiations for further emission reduction obligations in line with workplan and timetable for deliverables;
- Adoption of a revised Protocol by Parties in December 2010?;

CLRTAP focus on EECCA and SEE

EECCA Action Plan, adopted in 2005, revised in 2007, reviewed annually

Consulting and involving EECCA and SEE:

- **2007: special session at the Saltsjöbaden III Conference;**
- **2007-2008: Questionnaire survey on problems and solutions for ratification of POPs, HM and Gothenburg Protocols (replies annexed to ECE/EB.AIR/2008/11);**
- **2008: Informal session on EMEP activities;**
- **2009: Informal consultations (outcomes annexed into EECCA Action Plan) on amendments to the Protocols.**

Capacity building to facilitate implementation and ratification:

- **Technical workshops,**
- **Donor support, bilateral projects, donor support.**
 - **CAPACT project 2004-2007 in Kazakhstan (national implementation plan for the 3 Protocols and establishment of EMEP monitoring station);**
 - **Dutch funded “Balkans” project to assist SEE countries;**
 - **Czech funded project to assist Moldova ratify Goth. Protocol;**
 - **Russian project proposal to assist EECCA accessions;**



EECCA Action Plan

- Adopted in 2005, revised after “Saltsjöbaden 3” Workshop in 2007
- **Parties and Convention Bodies must prioritize its implementation!**
- **Includes main aims:**
 - Raise political profile of CLRTAP activities
 - Encourage ratification of Protocols (EMEP, HM, POPs, Gothenburg)
 - Increase cooperation and exchange of information through expanding the modelling and monitoring activities
 - Support EECCA involvement in activities of the Convention
- **Identifies related actions and relevant actors (e.g.)**
 - Relax Protocol obligations within their revision (WGSR, EB)
 - Expand EMEP monitoring network (EECCA, EMEP, donors)
 - Make more material available in Russian (EB, secretariat, EECCA)
 - Organize joint activities/workshops for EECCA countries
- **Includes outcomes of the 2009 informal consultations**
(ECE/EB.AIR/WG.5/2009/13)

Main messages to remember:

- Accessing to the Protocols brings benefits
- Opportunities to amend the Protocols to add flexibility for EECCA and SEE!
 - Formulate and express positions to influence the negotiations for revising the Protocols
- Information, donor assistance and funding opportunities are available!
 - Express your needs, concerns, problems to the Convention Bodies and the Secretariat; Request support and propose projects.



MORE INFORMATION:

Convention website:

www.unece.org/env/lrtap

CAPACT:

www.unece.org/ie/capact/implem.html



*THANK YOU FOR YOUR
ATTENTION!*