



*Status of the LRTAP Convention and its  
recent protocols in the Republic of  
Macedonia*

Ministry of Environment and Physical Planning

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# Convention on Long-range Transboundary Air Pollution (CLRTAP)



- Convention is taken by succession from Yugoslavia (it was signed in 1991)
- None of the protocols under the convention is ratified till now.

It is planned to ratify all protocols till end of 2010.

- Reporting towards convention

# National Legal Framework on air



- Law on Environment;
- Law on ambient air quality;
- Rulebook on CORI NAIR inventory methodology;
- Rulebooks on content and manner for preparation of:
  - National plan on air protection;
  - Programs for air improvement and protection, and
  - Action plans for air protection;

# National Legal Framework on air



- Rulebook of methodology for monitoring of ambient air quality (it is sent to the Official Gazette to be publish);
- Rulebook on data transmission (it is sent to the Official Gazette to be publish);
- IPPC directive is transposed in the national legislation;

The following rulebooks are in preparation phase:

- Draft proposal Rulebook on National emission ceilings for emissions of atmospheric pollutants;
- Draft proposal Rulebook on air emissions limit values from stationary sources.

# Air emissions monitoring



- Emission monitoring is carried out by the LCP installations big production industries, and by accredited laboratories. Installations are obliged to send the emissions data towards MEPP, on monthly base;
- The system of IPPC is established and the process of issuing adjustment plans permits for 100 installations which have applied for a permit is in progress;
- Inspection is carried out by the State Inspectorate for environment;
- In the frame of the Kyoto protocol requirements, our country carry out clean-up/renovation programs for industrial installations (desulfurization, introduction of natural gas).

# Status of national inventories



## ■ Cadastre of air polluters and pollutants

Basic pollutants 2004-2005 data. In this moment we are preparing Cadastre of air polluters and pollutants for 2007/2008 which will be ready till end of 2010.

## ■ GHG Inventory under the Second National Communication

Main GHGs (CO<sub>2</sub>, N<sub>2</sub>O, CH<sub>4</sub>) + non-direct GHGs: HFCs, PFCs and SF<sub>6</sub> as well as CO, NO<sub>x</sub>, SO<sub>x</sub> and NMVOCs  
Time series 1999-2002

# Status of national emission inventories



- Inventory of emission data based on CORINAR Methodology

SO<sub>2</sub>, NO<sub>x</sub>, NMVOC, CO, CO<sub>2</sub>, N<sub>2</sub>O, NH<sub>3</sub>, TSP and fluorinated hydrocarbons with 2004 data.

CORINAR inventory for 2008 data in preparation phase will be ready till February 2009 and sent towards UNECE.

- National implementation plan on reduction and elimination of POPs in accordance with Stockholm convention in 2002 – it should be reviewed.



# Reporting of air emissions



	Requested information	For the period	Year of reporting	Manner of reporting/ format
Air Emissions	AE-1: CLRTAP data	1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007	2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009	CDR / NFR
	AE-1b: NEC data			
	AE-2: UNFCCC data	1990-2002	2006, 2007, 2008, 2009	CDR / CFR
	AE-2b: EU GHG data			

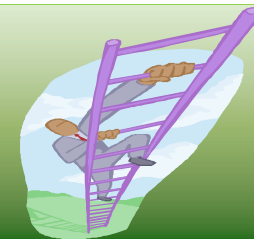
# UNECE - Netherlands project for ratification and implementation of the three last protocols under convention



- Kick-off meeting in Belgrade 24-25<sup>th</sup> February 2009
- Coordination meeting in Skopje 1<sup>st</sup> July 2009
- First Phase - Development of a National Action Plan
- Second phase – implementation of the National Action Plans
  - Preparation of Emission HM inventory
  - Determination of emission protections
  - National plan for air quality
  - National plan for emission reduction

# Development of NAPs

(steps taken in national administration)



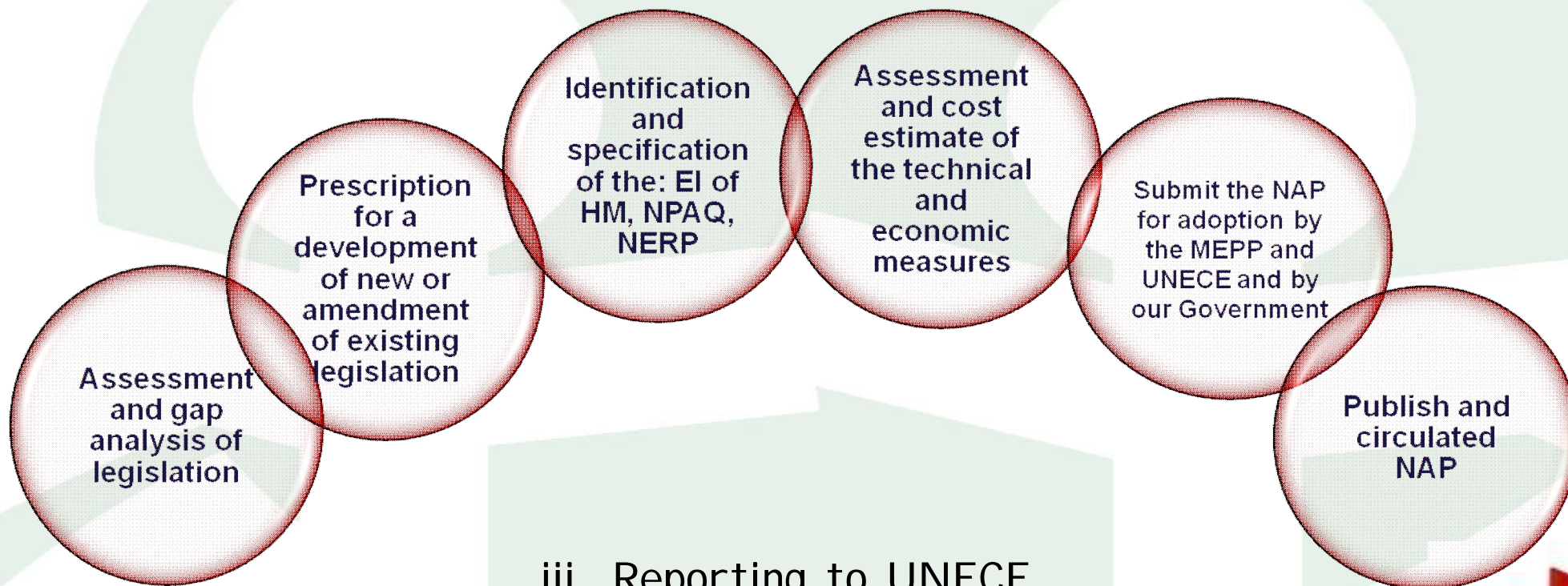
- i. Establishment of Working Groups for the implementation of the LRTAP Convention and its recent three Protocols (HM, POPs, Gothenburg)



# Development of NAPs

(Future steps now till end of December)

ii. NAP development by the working groups and their adoption by UNECE and Government of Republic of Macedonia



iii. Reporting to UNECE

Prepare and send report to the UNECE regarding activities carried out in the first phase of the project.



# Results from preliminary analyses



Obligation	Current situation / future determinate activity	Responsible institution
Application of BAT's to new and existing stationary sources	Law on environment Period of adoption 2014 + 5	MEPP – IPPC department
Application of ELV's to new and existing sources	Draft rulebook on emission limit values from stationary sources (November 2009)	MEPP
Application of ELV's to mobile sources	Rulebook on emission limit values for emissions from mobile sources – end of 2010	MEEP with Ministry of economy
Development and maintenance of emission inventories for the HM	Planned with second phase of the project	MEEP – Inventory prepared by consultant company

# Results from preliminary analyses



Obligation	Current situation / future determinate activity	Responsible institution
Implementation of EMEP methodology for formation of HM emission inventories	EMEP Rulebook (2007)	MEPP and consultation company
Reporting to the EMEP	From 2002 continuously	MEPP-MEIC
Enforcement of Law on waste management	Waste management strategy adopted	MEPP - State inspectorate
Adoption of new Regulation on the technical and other requirements for liquid fuels	Rulebook on liquid fuels	Ministry of economy

# Results from preliminary analyses



Obligation	Current situation / future determinate activity	Responsible institution
Maximum emissions ceilings	NEC	MEPP
Emissions projections 2010-2020	Planned in the second phase of the project	MEPP + support from international expert
CEN standards for emission measurements	22 standards adopted	Institute of standardization /MEPP
Measures for reduction of the emissions in the air	NERP	MEPP
Substances planned to be eliminated or restricted	POPs NIP + projects	Office of POPs

# Procedural steps towards ratification



## Responsible institutions

MEPP

Ministry of Foreign Affairs



## Submit to

Government



Assembly



## Sent to

Official Gazette of the Republic  
Macedonia

Secretary-General  
New York



# Difficulties and problems



- The existing legislative framework is not suited for incorporating the limit values and measures prescribed by the protocols.
- The problem with exceedances of TSP will be handled with the measures given in the National plan for air protection
- Difficulties to implement measures for emission reduction
- Absence of emission inventories on HM and POPs
- Lack of measurement and monitoring data on POPs and HM
- Main difficulty is to fully implement the three protocols

Thank you