



## Emission Inventories in Albania

### ECRAN-TAIEX Workshop on air quality modelling, second annual working group meeting

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## Overview



- 1- Convention and Protocols
- 2- Air Emission Inventory 1990-2009 and 2010
- 3- GHG Inventory (First, second and third Communication under UNFCCC)
- 4- PRTR

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## Convention and Protocols ratified



- Albania ratified the United Nations Framework Convention on Climate Change and the Kyoto Protocol on the 3rd October 1994 and the 1st April 2005, respectively.
- Albania The ratified the Long Range Transboundary Air Pollution (LRTAP) Convention on the 2nd December 2005.
- In order to comply to the commitments coming from the above mentioned international conventions, Albania has to yearly produce and officially transmit the national air emissions inventory, containing updated data on emissions of greenhouse gases and all atmospheric pollutants relevant for LRTAP Convention.

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## Air Emission Inventory



- **AIR EMISSIONS INVENTORY 1990-2009, and 2010 (by the Project “Consultancy services in the sector of the Air Pollutant Emission Inventories Implementation and Air Quality Planning in Albania”, implemented by TECHNE- Consulting s.r.l )**
- Emissions estimation has been done using all available data obtained by direct surveys, statistical information and knowledge of the sources and through the software ad hoc developed by Techne Consulting (**Apex.com**), according to the methodology recognized at European level and thanks to the job of a team of experts.
- In particular, the EMEP/EEA Air Pollutant Emission Inventory Guidebook 2009 and the 2006 IPCC Guidelines for National Greenhouse Gas Inventories were applied.

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# GHG Inventory



- The GEF/UNDP prepared Initial National Communication (INC), which was submitted to the UNFCCC in July 2002. The core focus of the INC was the preparation of the GHG emissions inventory *for the year 1995*, considering *seven main GHG-emitting sectors*: (i) energy, (ii) industrial processes (iii) agriculture and livestock, (iv) land use change and forestry (LUCF); (v) waste; (vi) solvents; and (vii) international bunkers. The inventory was the basis for the GHG mitigation analysis, which projected GHG emissions for each year up to the end of 2020.
- The SNC built on the results of the INC and the 2004 Technology Needs Assessment (TNA) extended the inventory of anthropogenic GHG emissions and removals to the *period 1990-2000, with 2000 being the base year*. The SNC considered *six main GHG-emitting sectors*: i) energy, ii) industrial processes, iii) agriculture, iv) waste, v) LUCF, and vi) solvent and other product uses. (Uncertainties particularly on fuel wood consumption) The inventory was again the basis for the GHG mitigation analysis, which was extended to 2025 and had a pronounced focus on energy and transport (the main emitting sectors).
- GHG Inventory in TNC (draft) has narrower and deeper analysis than the previous inventory (i.e., more detailed activity levels, data permitting) with the baseline year of 2005. The inventory adopted the higher tiers of the IPCC methodology and maintained a strong data validation focus on the energy and transport sectors. The inventory covers the refined time-series for the period *2000-2009*. TNC is developed using the 1996 revised IPCC Guidelines

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# PRTR

- The European Pollutant Release and Transfer Register (E-PRTR) is an inventory of pollutant emissions from industry and other sources; The aim of the inventory is to make information on pollutant emissions and waste transfers more available to the public.
- Albania issued the law “On the accession of the Protocol of UNECE for release and transfer of pollutants” on 2006.
- New Law “On the protection of Environment”, 2011.
- New Law “On Environmental Permits” 2011, amended.
- DCM for the implementation of PRTR in Albania on September 2015. (partially approximated the Regulation (EC) No. 166/2006 concerning the establishment of a European Pollutant Release and Transfer Register) (enters into force on June 2016)
- CEMSA Project (Consolidation of the Environmental Monitoring System in Albania) assisted NEA through training with the subject of PRTR.

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**THANK YOU!**

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