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# EMISSION REPORTING REQUIREMENTS AND DATA FLOW

# Emission reporting requirements

- LRTAP Convention
  - ▣ 8 protocols
  - ▣ 51 Parties (..Turkey...EU)
  
- UNFCCC
  - ▣ Kyoto protocol
  
- EU directives (**NECD**, IPPC, LCP...)  
27 EU MS
  
- National legislation

# CLRTAP - mandatory reporting

- Parties are required to report on the substances and for the years set forth in **protocols that they have ratified and that have entered into force**
    - 1984 EMEP protocol (*Turkey signed and ratified*)
    - 1985 and 1994 Sulphur Protocols
    - 1988 NO<sub>x</sub> Protocol
    - 1991 VOC Protocol
    - 1998 Heavy Metals Protocol
    - 1998 POP Protocol
    - 1999 Gothenburg Protocol
      - to abate Acidification, Eutrophication and Ground level Ozone
- ..... *Annex II ( [Part 1](#) and [Part 2](#) ) of reporting Guidelines.*

# Reporting requirements under LRTAP Convention

<http://www.ceip.at/reporting-instructions/reporting-programme/>

- *EMEP protocol*: Parties should provide information needed for environmental analyses
  
- Decision of EMEP Executive Body: Parties should follow **The Guidelines for Estimating and Reporting Emission Data** (ECE/EB.AIR/97) adopted by EMEP EB, Dec 2009
  
- (29c) Parties should use reporting formats provided in Annex IV...
  
- **Reporting templates** are made available on the website of the EMEP Centre on Emission Inventories and Projections (CEIP) <http://www.ceip.at/reporting-instructions/>

# Reporting requirements based on Reporting Guidelines

<http://www.ceip.at/reporting-instructions/reporting-programme>

The Parties should report **level of emissions** and its temporal and spatial resolution..., **sectoral emissions and projections**

- Pollutants: **SO<sub>x</sub>, NO<sub>x</sub>, NMVOCs, NH<sub>3</sub>, CO, HMs, POPs and TSP/ PMs**
- New reporting formats contain **activity data**
- **Gridded data** (emep grid 50x50km) (for the years 1990, 1995, 2000, 2005 and 2010 - if not already reported), and
- **LPS data** (reported on a 5-yearly basis) next **1 March 2012**.
- IIR Informative Inventory Report

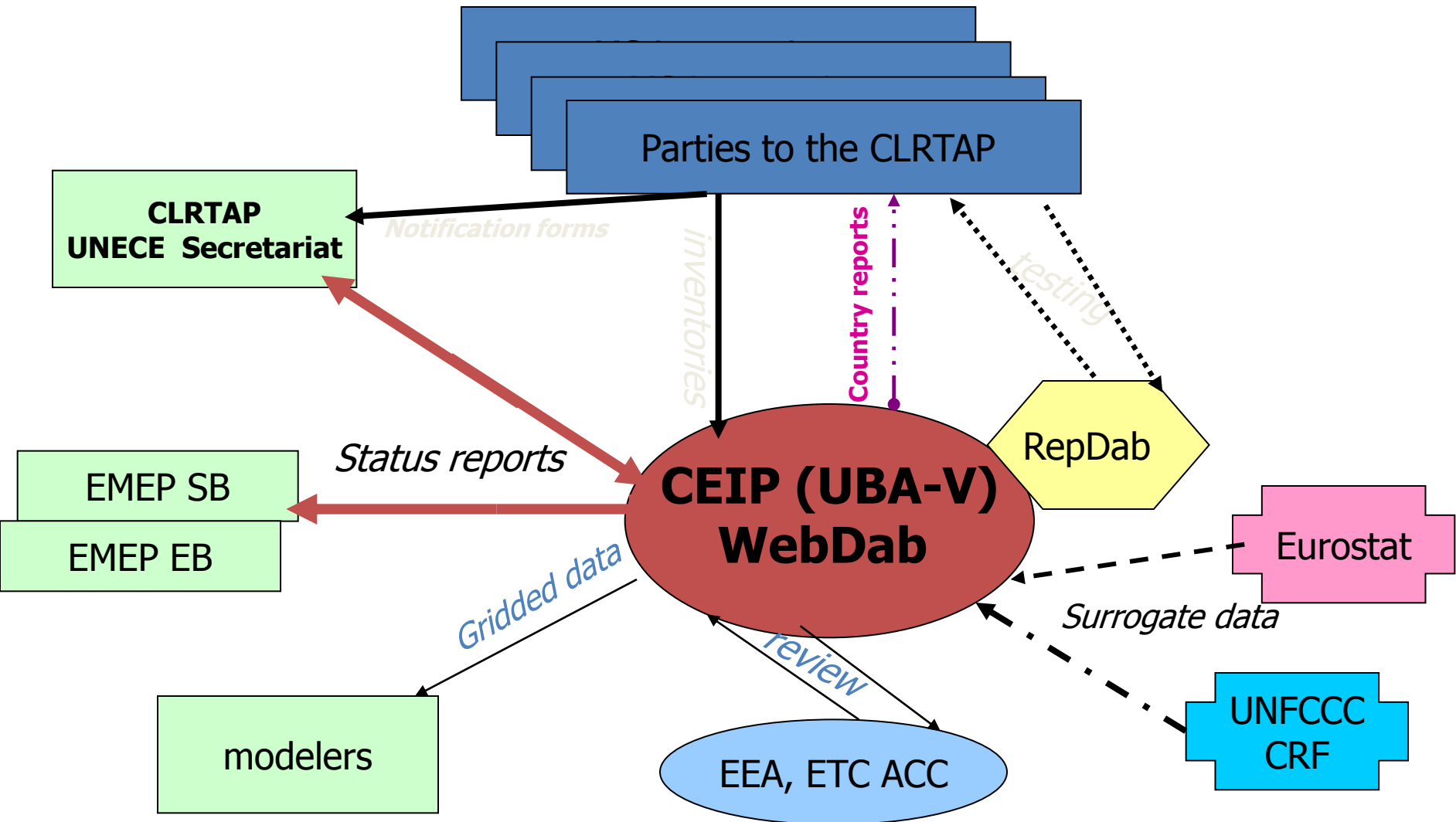
# Process

- At the start of each emission reporting round, the UNECE secretariat sends **a letter to EMEP designated emission experts** initiating the reporting round.

(Turkey: Mr. Zeki Necypodlu, [atikyon@marketweb.net.tr](mailto:atikyon@marketweb.net.tr))

- **Parties to the CLRTAP** should send **data** to the **CEIP** and send **Notification form** to the UNECE (CLRTAP secretariat)
- The deadline for submission:
  - *inventories* **15 February**
  - *inventory report (IIR), gridded data, LPS* **15 March**

# Data flow



# Reporting requirements under NEC Directive

- Mandatory for EU Member States  
legal basis: Council Directive 2001/81/EC on national emission ceilings for certain atmospheric pollutants
- Pollutants to be reported in are **SO<sub>x</sub>, NO<sub>x</sub>, NMVOCs, NH<sub>3</sub>**
  - emissions final year N-2 and provisional year N-1
  - annually update of 2010 projections
  - methods agreed under CLRTAP, EMEP/EEA Inventory Guidebook
  - *MS are invited to report time series 1990 onwards*
  - (upcoming revision of Gothenburg protocol: PM<sub>2,5</sub> including Black Carbone, Emission ceilings 2020)
- The next deadline for submission of inventories and projections is **31 Dec 2011**



# Formats / Annexes to the reporting Guidelines

<http://www.ceip.at/reporting-instructions/annexes-to-the-reporting-guidelines/>

- **Annex I – Substances and Definitions**
  - pollutants
  - LPS
  - international air and sea traffic
  - notation keys
  
- Overview
- Annex\_II.pdf (status of ratification )
- Annex\_III\_Aggregation\_gridded\_data.doc (GNFR)
- **Annex\_IV\_reporting\_templates.xls**
- Annex\_IV\_General.doc (supporting information )
- Annex\_V Gridding
- **Annex\_VI\_IIR.doc (IIR template)**
- RevisedGL\_AnnexVII\_References.doc

# Reporting formats CLRTAP and NECD

- All inventory submissions should be reported using the (Nomenclature for Reporting) **NFR09 tables** in accordance with the new *EMEP 2009 Reporting Guidelines*
- **IIR – Informative inventory report** should describe methods, EFs, AD, provide references, explanation of recalculations and trends, uncertainties assessment and QA/QC