Emission gridmaps workshop

Feedback from the EDGAR workshop/training on gridding, which was organized by EC/JRC/IES/H02/EDGAR

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TFEIP/EIONET meeting
Milan, 11th-12th May, 2015
Title: From polluting human activities to emission gridmaps using the Emission Database for Global Atmospheric Research (EDGAR)

This activity was executed in the context of the “Enlargement and Integrated Action (EIA)” and “Danube Air Nexus (DAN)” project.

Objective: to highlight the importance of the emissions distribution on the gridmaps and to encourage interactions with the aim to enhance the countries’ capability to improve the reporting of gridded emission inventories.

EC/JRC events are advertised at [https://ec.europa.eu/jrc/en/events/](https://ec.europa.eu/jrc/en/events/)
Participants from:

- Danube region/EU_28
- Germany
- Czech Republic
- Austria
- Slovakia
- Slovenia
- Hungary
- Croatia
- Romania
- Bulgaria

Danube region & EIA/Non-EU

- Ukraine
- Republic of Moldova
- Serbia
- Bosnia and Herzegovina
- Montenegro

EIA countries

- Turkey
- The former Yugoslav Republic of Macedonia
- Albania

Contributors:

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EDGAR

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- R. Wankmueller (Umweltbundesamt GmbH)

TFEIP/CEIP

- N. Redzic (Serbia)
- K. Uhlik (Hungary)
- C. Esin Köksal (Turkey)
- all participants for Panel discussion/practical applications

Country experts
NOx emissions from Energy sector and transport subsectors, 2008, [tonne/0.1x0.1 degree grid cell]
Contents:

(1) CLRTAP EMEP/EEA
- reporting requirements
- new EMEP grid

(2) Countries’ expertise/persp.
- road traffic/EMEP grid (Serbia)
- freight transport (Hungary)
- air emissions (Turkey)

(3) Panel discussion

(4) EDGAR
- methodology
- emissions distribution
- transport/macro-regional
- F-gases

(5) Practical applications (EDGAR)
- rural and urban population: EDGAR proxy
- point sources/E-PRTR
- emissions distribution for domestic and international aviation
- emissions distribution for road and railway transport sectors
- derived proxy data for international shipping and inland waterways
- derived proxy data for coastal fishing

Theme: Panel discussion on the difficulties encountered in the scientific work related to emission distribution

Questionnaire/Input from country experts/discussion

I. EDGAR

- Webpage - secured workshop webpage with all presentations/training documents and the EDGAR gridding manual
  Marilena Muntean/EDGAR team

- Presentation – on the outcome of this training workshop at the TFEIP meeting
  Marilena Muntean (EDGAR team)/Jeroen Kuenen (TFEIP)

II. TFEIP

- Webpage - on the TFEIP WEB/CEIP WEB: the documentation used for gap-filling, conversion from new EMEP grid to the old EMEP grid for comparison reasons and grid definitions.
  Wankmueller Robert (CEIP)
III. EDGAR

- Web-based **gridding tool** with the set of **EDGAR proxy** data that can be freely used by counties for a first gridding of their emissions or to compare with their gridded emissions.
- Common approach in dealing with distribution of emissions that are resulting from international bunker fuel, i.e. **international shipping and international aviation**.

Greet Janssens-Maenhout/EDGAR team

IV. TFEIP

- Discussion on the “**TFEIP network on gridded emissions**”.
- Examples of **good practice** related to the existing/improved methodology on gridding as additional information to the GB2013.
- Add/improve the **GB2013 on uncertainty, proxy data set** defaults for gridding and indications on **quality checking** of gridded emissions.
- **Training** needed for EECCA countries on **POPs** and **HMs**.
- Further training based on country **experts needs**.

TFEIP (Jeroen Kuenen)/Country experts/EDGAR
QUESTIONS?