



Department
for Environment
Food & Rural Affairs

UK Feedback – EU composite mapping and links to e-Reporting

FAIRMODE Plenary 2016

Presented by: Daniel Brookes
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EU composite mapping

- Upload webpage <http://aqm.jrc.ec.europa.eu/index.aspx>
- Core datasets requested
 - Annual mean maps (NO₂, PM₁₀)
 - Year 2012 or another recent year
 - Meta data
 - Format ASCII or GeoTiff
- Additional underlying data requested (“useful” but “not mandatory”)
 - DELTA-Assessment data (DTL) - include the modelling data, the monitoring data and the start-up configuration file
 - Delta - Emission data (EMS) - the total emissions per macro sector and precursors for the region covered by the map
- But the aims of the exercise need to be clarified...



UK e-Reporting

- UK e-Reporting submissions are **publically available** and provide the inputs requested (excluding emissions):
 - Year 2013 or 2014 are available from EIONET, see <http://cdr.eionet.europa.eu/gb/eu/aqd>

The screenshot shows the EIONET Central Data Repository website. The header includes the EEA logo and navigation links for SERVICES, REPORTNET, TOOLS, and TOPICS (ETCS). The main content area is titled "Reporting under air quality directives 2004/107/EC and 2008/50/EC" and lists various "Envelopes and subcollections" with their respective dates. A sidebar on the left contains "Services" and "Account Services" sections. A "Note" box at the bottom left encourages users to subscribe for notifications.

EEA | Login

EIONET Central Data Repository

SERVICES | REPORTNET | TOOLS | TOPICS (ETCS)

You are here: Eionet > CDR > United Kingdom > European Union (EU) ... > Reporting under air ...

Services

- » Search by obligation
- » Search XML files
- » Search for feedback
- » Global worklist
- » Notifications
- » Help

Account Services

I have

- » lost my password

Note

Subscribe to receive notifications if you want to stay updated about events in this site.

Overview

Reporting under air quality directives 2004/107/EC and 2008/50/EC

Envelopes and subcollections

(B) Preliminary information on zones and agglomerations (Article 6)	17 Dec 2015
(E1a) Information on primary validated assessment data - measurements (Article 10)	07 Dec 2015
(K) Information on measures (Articles 13 and 14)	07 Dec 2015
(D) Information on the assessment methods (Articles 8 and 9)	01 Dec 2015
(G) Information on the attainment of environmental objectives (Article 12)	01 Dec 2015
(C) Information on the assessment regime (Article 7)	01 Dec 2015
(C) Preliminary information on the assessment regime (Article 7)	13 Nov 2015
(E2a) Information on primary up-to-date assessment data - measurements (Article 10)	09 Oct 2015
(E1b) Information on primary validated assessment data - modelled (Article 10)	09 Oct 2015
(B) Information on zones and agglomerations (Article 6)	09 Oct 2015
(J) Information on the scenario for the attainment year (Article 13)	09 Oct 2015
(I) Information on source apportionment (Article 13)	09 Oct 2015
(H) Information on air quality plans (Article 13)	09 Oct 2015
(F2) Information on generated aggregated data - primary up-to-date measurements (Article 11)	08 Sep 2014
(F1b) Information on generated aggregated data - primary validated modelled (Article 11)	08 Sep 2014
(F1a) Information on generated aggregated data - primary validated measurements (Article 11)	08 Sep 2014

Document last modified 2015/11/30 12:41:34.118160 GMT+1. [\[Validate HTML\]](#)

Model outputs

- UK modelled outputs are delivered as data flow e1b under e-Reporting:
 - For 2013 (2013-v0 submission) annual mean background NO2 see http://cdr.eionet.europa.eu/gb/eu/aqd/e1b/envu_czcg/no22013bk_etr89.tgz/manage_document
 - For 2013 (2013-v0 submission) annual mean roadside NO2 see http://cdr.eionet.europa.eu/gb/eu/aqd/e1b/envu_czcg/no22013rs_etr89.tgz/manage_document
 - For 2013 (2013-v0 submission) annual mean background PM10 see http://cdr.eionet.europa.eu/gb/eu/aqd/e1b/envu_czcg/pm102013gbk_etr89.tgz/manage_document
 - For 2013 (2013-v0 submission) annual mean roadside PM10 see http://cdr.eionet.europa.eu/gb/eu/aqd/e1b/envu_czcg/pm102013grs_etr89.tgz/manage_document

Output formats

- Data files for the UK e-Reporting submission are already formatted as ASCII grid for 1 km background modelled concentration maps so fit the specification requested for the WG1 composite mapping exercise.
- Shapefiles have been used for the UK e-Reporting submission for traffic locations, and are available for the pollutants requested.
- We recommend consistency of formats requested to reduce effort and ease linking to e-Reporting. Vector formats should be allowed in addition to raster to avoid exclusion e.g. Shapefiles for UK traffic locations.

Metadata

- Model metadata is also provided in data flow D under e-Reporting:
 - For 2013 (2013-v0 submission), see http://cdr.eionet.europa.eu/gb/eu/aqd/d/envu_c0za/
 - In terms of the model meta tags requested through the Delta database submission system these are also largely compatible with the specification for model meta data submission in data flow D under e-Reporting.
- We recommend greater flexibility in FAIRMODE model meta tags to improve consistency with e-Reporting e.g. model name and version

Database

Add new model

Model meta tags

Model name:	<input type="text"/>
Release version:	<input type="text" value="000"/>
Country:	<input type="text"/>
Region/city:	<input type="text"/>
Model type:	<input type="text" value="Select an item..."/>
Map reference:	EPSG- <input type="text"/>
Data assimilation:	<input type="text" value="None"/>
Output frequency:	<input type="text" value="Select an item..."/>
Pollutants:	<input type="checkbox"/> O3 <input type="checkbox"/> PM2.5 <input type="checkbox"/> PM10 <input type="checkbox"/> NO2
Documentation link:	<input type="text"/>

Reference period - DELTA dataset only

Day start:	<input type="text"/>	<input type="text" value="Select a month .."/>
Day end:	<input type="text"/>	<input type="text" value="Select a month .."/>

Reference year

Year: (yyyy)

Back

Submit

Additional data

- DELTA-Assessment data (DTL)
 - How would these be used?
 - Extra effort required to prepare Delta configuration files
 - Measurement datasets used for model calibration are included with the UK e-Reporting submissions:
 - For 2013 (2013-v0 submission) see http://cdr.eionet.europa.eu/gb/eu/aqd/e1b/envu_czcg/E1b_GB_ModellingObservations.xml/manage_document
- Delta - Emission data (EMS)
 - How would these be used?
 - Not part of e-Reporting submissions and are not in the public domain and require extra effort to prepare

Recommendations

- There is **added value in linking the FAIRMODE activities to e-Reporting and acquiring data for the years 2013/2014**
 - 2013 was the first year of submission via the e-Reporting system and Member States are investing heavily in the development of this system
- **We can avoid duplication of effort and potential for inconsistency in the future**
 - We recommend making it possible for the user to import e-Reporting datasets from EIONET where these have been published to reduce effort
 - We recommend greater flexibility in FAIRMODE model meta tags to improve consistency with e-Reporting
 - We recommend extending format requirements to allow vector formats e.g. Shapefile format used for UK traffic locations, to improve consistency.
 - We recommend meta data to be included with EU composite mapping layers to aid understanding, including links or location of the datasets (e.g. e-Reporting or FAIRMODE source) for transparency