



**National Mapping of GHG and non-GHG Emissions Sources
Stakeholder workshop
October 28, 10.00-12.30
Chartered Accountants House | 47 Pearse St, Dublin 2, Ireland**

Minutes

The project National mapping of GHG and non-GHG emissions sources (MapEIre) is funded by the Irish EPA. The project will run for 24 months starting January 2016. Mapping of emissions is an important first step to quantify pressures in the form of deposition of harmful substances to the environment and human exposure to air pollution. Furthermore, there are international requirements for the reporting of mapped emissions.

Date: 5 December 2016

The project will do a complete mapping of Irish anthropogenic emissions with a resolution of 1 x 1 km for all pollutants covered by the Irish emission inventories.

Page 1/5

National stakeholders and inventory experts will be involved in the project in order to include knowledge on spatial properties for the activities concerned.

The purpose of the workshop was to present and discuss the available spatial data and the selection of data for the spatial model. The list of participants attending the workshop is included in Annex 1.

More information about the project is available at the homepage www.MapEIre.dk

The project team received a lot of valuable input during the workshop and is in the process of following up on all the suggestions made.

Minutes from the workshop

The project team presented the status of the gathering of spatial data for each emission source. The presentation focussed at one sector at a time and following each there was discussion on the proposed spatial data. The presentation is available via the project website:

<http://projects.au.dk/mapeire/documents-and-presentations/>

Manufacturing industries

It was mentioned that GeoDirectory contains NACE codes that could be used to qualify the spatial distribution of emissions from specific industrial sectors.

Natural gas and oil delivery data were mentioned as a possible source of information allowing a more detailed geographic breakdown of emissions. CSO mentioned that new data for energy use by enterprises would not be available until the Spring of 2017.

Small combustion

In addition to GeoDirectory, the project team was advised to take into account areas with a ban on smoky coal.

Machinery

Emissions from agricultural machinery should be allocated to cropland and improved grassland only.

Fishing

It was discussed how to handle the fact that emissions from fishing in many cases occur outside the territory of Ireland. It was suggested that the project both develop a distribution compliant with the requirements for the international reporting, but also develop one reflecting the real world for modelling purposes. CSO has data for amount of fish caught in different areas.

Road transport

A question was raised regarding fuel tourism and how this would be handled. Similarly to the fishing, it was suggested that the project both develop a distribution compliant with the requirements for the international reporting, but also develop one reflecting the real world for modelling purposes.

NTA mentioned that an update of the transport modelling was just launched and recommended the project team to contact after the workshop.

National navigation

The suggested buffer zone by the project team that follows the coastline was thought to be not realistic, in that vessels would not swerve in and out based on the coastline. It was therefore suggested that the buffer zone was changed to reflect this. Again, the issue of vessels travelling outside the Irish Exclusive Economic Zone (EEZ) was discussed. It is of less importance than for fishing, but international sea transport in Irish waters could be of importance. The project team will look into the possibilities.

For inland waterways, the source is not currently reported separately in the inventory. The project team was advised to contact SEAI to clarify where this fuel consumption is allocated in the energy balance.

Fugitive emissions from coal, oil and natural gas

The project team was made aware that coal storage and handling occurs mainly in connection with a major power plant. This will be investigated further.

The project team presented that presently there was no information available on service stations. The CSO indicated that there might be a dataset available.

A new point source for flaring will be included in the inventory for 2015 and should be mapped.

Industrial processes

The project team was recommended to look more into the data gathered and reported under the Water Framework Directive (WFD).

For production of asphalt, there are few producers and it should be possible to get information, e.g. through local authorities.

Some industries are big water consumers and therefore data are available through water licenses.

CSO mentioned that information included in the business register could be of help in mapping specific industries.

It was pointed out that stationary air conditioning was only relevant for commercial building and not for residential buildings.

Participants would provide the project team with contact details for industrial refrigeration and for electrical equipment

Agriculture

The next agricultural census is in 2020. Data from the WFD were mentioned as a possible source of information.

A current PhD project has worked on identifying unlicensed farms and this data set could be used to improve the spatial distribution.

Local registers have data on sludge spreading available.

Fertilizer use in national farm survey should be updated. The project team should contact the Department of Agriculture, Food and the Marine.

For liming, urea use, grain handling and fertiliser handling a contact at Teagasc was provided.



Harvested wood products

A recent EU report on use of wood could be of value. The project team was provided with a link to the report.

Waste

The project team had identified one industrial incineration plant, but it was mentioned that there are probably more. The project team will investigate.

Annex 1 List of participants

From the project team participated:

Ole-Kenneth Nielsen & Marlene Plejdrup

Other participants:

Stephen Treacy	EPA
Paul Duffy	EPA
Bernard Hyde	EPA
John McEntagart	EPA
Ian Marnane	EPA
Kevin Delaney	EPA
David Dodd	Department of Communication, Climate Action and the Environment
Gerry Brady	CSO
Linh Nolan	CSO
Sinead Briacken	CSO
William J. Pierce	Irish Rail
Ronan Gleeson	Department of Agriculture, Food and the Marine
Simon Jennings	Limerick County Council
Charles Shier	Bord na Mona
Brian McManus	Dublin City Council
Aonghus MacNabola	TCD
Barry Colleary	Head of Transport Modelling, National Transport Authority
Kate Hynes	Environment Awareness Officer, Rathdown County Council
Denise Keoghan	Department of Transport, Tourism and Sport
Lydia Rooney	Department of Transport, Tourism and Sport
Tom Curran	UCD
David Kelleghan	UCD
John Leahy	Clare County Council