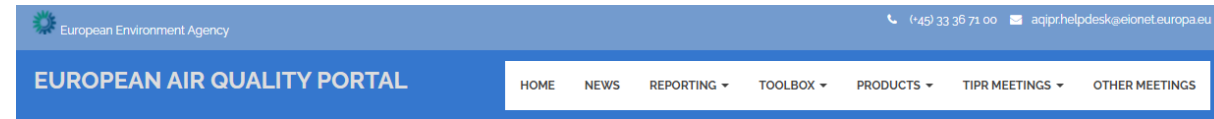# Model documentation requirements and links to e-reporting

FAIRMODE CT2 - 7th October 2021

MQI and MPC in e-reporting - metadata

- It is expected that the revision of the AAQDs will enable an **enhanced use of modelling** data for assessment, source allocation, forecasting and planning purposes

- This imposes further documentation requirements on modelling applications and their QA/QC

- … and needs to be linked to e-reporting

https://aqportal.discomap.eea.europa.eu/

MQI and MPC in e-reporting - metadata

- E-reporting data on Air Quality Models – Data flows D1b and E1b

https://discomap.eea.europa.eu/App/AirQualityModels/index.html#.eu/

MQI and MPC in e-reporting - metadata

- E-reporting data on Air Quality Models – **Data flows D1b** and E1b

European Commission

MQI and MPC in e-reporting - Few reports

Note that EEA also estimates its own

https://discomap.eea.europa.eu/App/AirQualityModels/index.html#.eu/

MQI and MPC in e-reporting needs additional information on observations

Basic information	Model name	
	Model version	
	Contact information	
	Model type	Eulerian, Gaussian..
	Model documentation	Schemes, parametrizations
Coverage & Resolution	Spatial coverage	
	Temporal coverage	
	Temporal resolution	
	Spatial resolution	
	Vertical resolution	
Input data	Emissions	
	Meteorology	
	Initial & boundary conditions	
	Data assimilation / fusion	
Data Quality – MQI and MPC	Actual values	
	Methodology used	FAiRMODE – other
	Observations - measurements	Basis for MQI calculations
	Report s	

MQI and MPC in e-reporting - metadata
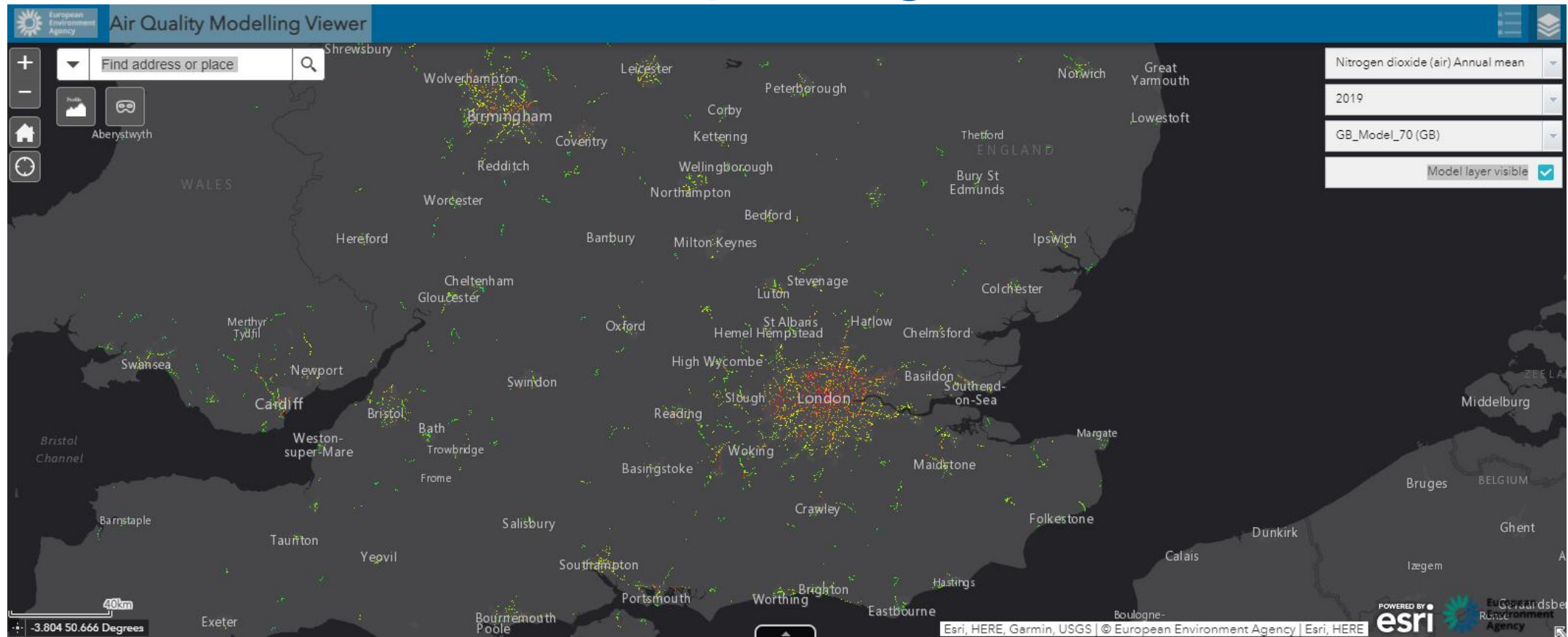
EEAs Air quality viewer has a different purpose & functionality than *FAIRMODEs composite mapping platform*

https://maps.eea.europa.eu/AirQualityModellingViewer/

Discussion on metadata

- Would it be useful to include MQI and MPC information in the FAIRMODE composite mapping?

- How would it inform EEAs own MQI evaluation?

- Would it be useful in the future to recommend reporting of MQI/MPC values?

- if so, what is the preferred format for reporting ? Do numbers alone make sense?

Thank-you