

No.	Question	Options	Guidance notes	Response
Description				
1.1 Author				
1.1a	Intellectual Property Right holder		Provide name and address	
1.2 Dataset				
1.2a	Title		Provide a long (up to 120 characters) and short version (less than 32 characters) of the title.	Emissions Database for Global Atmospheric Research (EDGAR)
1.2b	Description		Provide 200-500 word description, highlighting the key distinguishing features of the dataset. This text will be used in the DDC entry.	EDGAR provides global past and present day anthropogenic emissions of greenhouse gases and air pollutants by country and on spatial grid. The current development of EDGAR is a joint project of the European Commission JRC Joint Research Centre and the Netherlands Environmental Assessment Agency (PBL).
Authority				
2.1 Use by the IPCC				
2.1a	Has the dataset been used in an IPCC Assessment or Special Report, e.g., in a figure or table or discussed in text?	Not Known	List report name(s), table/figure/page number(s)	AR5, WGIII, 11.2.2
2.1b	Is dataset used in any other IPCC-related documents or materials?	Not Known	List document name(s), table/figure/page number(s)	
2.2 Documentation				

			<p>Janssens-Maenhout G, Dentener F, Van Aardenne J, Monni S, Pagliari V, Orlandini L, Klimont Z, Kurokawa J, Akimoto H, Ohara, T, Wankmueller R, Battye B, Grano D; Zuber A, Keating T. EDGAR-HTAP: a Harmonized Gridded Air Pollution Emission Dataset Based on National Inventories. Ispra (Italy): European Commission Publications Office; 2012. JRC68434, EUR report No EUR 25 299 - 2012, ISBN 978-92-79-23122-0, ISSN 1831-9424</p> <p>Shindell D, Kuylenstierna J, Vignati E, Van Dingenen R; Ammann M, Klimont Z, Anenberg S, Muller N, Janssens-Maenhout G, Raes F, Schwartz J, Faluvegi G, Pozzoli L, Kupiainen K, Hoglund-Isaksson L, Emberson L, Streets, D, Ramanathan V, Hicks K, Oanh K, Milly G, Williams M, Demkine V, Fowler D. Mitigating Near-Term Climate Change and Improving Human Health and Food Security through Black Carbon and Methane Emissions Controls. SCIENCE, 335 (183) 2012. DOI 10.1126/science.1210026</p> <p>Publications (2010-2011)</p> <p>Olivier J, Janssens-Maenhout G. Part III: Greenhouse-Gas Emissions. In: CO2 emissions from fuel combustion. Paris (France): International Energy Agency; 2011. p. III.1 - III.57. JRC67519 Olivier J, Janssens-Maenhout G, Peters J, Wilson J. Long Term Trend in Global CO2 Emissions. The Hague (Netherlands): PBL Netherlands Environmental Assessment Agency and European Commission Publications Office; 2011. JRC65918</p> <p>Janssens-Maenhout G, Petrescu, A, Muntean M, Blujdea V. Verifying Greenhouse Gas Emissions: Methods to Support International Climate Agreements. GREENHOUSE GAS MEASUREMENT AND MANAGEMENT 1 (2); 2011. p.132-133. JRC67524</p> <p>Pozzoli L, Janssens-Maenhout G, Diehl T, Bey I, Schultz M, Feichter J, Vignati E, Dentener F. Reanalysis of tropospheric sulphate aerosol and ozone for the period 1980-2005 using the Aerosol-Chemistry-Climate Model ECHAM5-HAMMOZ. ATMOSPHERIC CHEMISTRY AND PHYSICS 11 (18); 2011. p. 9563-9594. JRC64486</p> <p>Monteil G, Houweling S, Dlugokenky, E, Janssens-Maenhout G, Vaughn B, White C, Rockmann T. Interpreting methane variations in the past two decades using measurements of CH4 mixing ratio and isotopic composition. ATMOSPHERIC CHEMISTRY AND PHYSICS 11 (18); 2011. p. 9141-9153. JRC68596</p> <p>Publications (2008-2009)</p> <p>Application of EDGAR data: Gridded global emission scenarios of non-transport emissions combining EDGARv32-FT2000 and SRES emission scenarios as input to the QUANTIFY project:</p> <p>Hoor, P., Borken-Kleefeld, J., Caro, D., Dessens, O., Endresen, O., Gauss, M., Grewe, V., Hauglustaine, D., Isaksen, I. S. A., Jöckel, P., Lelieveld, J., Myhre, G., Meijer, E., Olvie, D., Prather, M., Schnadt Poberaj, C., Shine, K. P., Staehelin, J., Tang, Q., van Aardenne, J., van Velthoven, P., and Sausen, R.: The impact of traffic emissions on atmospheric ozone and OH: results from QUANTIFY, Atmos. Chem. Phys., 9, 3113-3136, 2009.</p> <p>EDGAR data on non-CO2 greenhouse gas as input to IEA report "CO2 emissions from fuel combustion 1971-2006". T. Pulles and J.A. van Aardenne (2008): Part III: Greenhouse gas emissions: 1. Shares and trends in greenhouse gas emissions; 2. Sources and Methods; Total greenhouse gas emissions. In: "CO2 emissions from fuel combustion 1971-2006", 2008 Edition, pp. III.1-III.47. International Energy Agency (IEA), Paris. ISBN 978-92-64-04238-4 (paper) (also available on CD ROM) (2008).</p> <p>Evaluation of EDGAR data in representing emissions from megacities T.M. Butler, M.G. Lawrence, B.R. Gurjar, J. van Aardenne, M. Schultz, J. Lelieveld: The representation of emissions from megacities in global emission inventories, Atmospheric Environment, Volume 42, Issue 4, February 2008, Pages 703-719, ISSN 1352-2310, DOI: 10.1016/j.atmosenv.2007.09.060.</p>
2.2a	Is the dataset documented in detail in a peer-reviewed journal article or as a peer-reviewed dataset?	Yes	Provide full citation and list Thomson-Reuter impact factor (or other standard influence factors) for journal if available.
2.2b	Is the dataset documented in detail in a peer-reviewed book chapter, report or technical document?	Not Known	Provide full citation. List type of peer review if known; list type of book, report, or document, e.g., if part of a series; provide evidence of credibility of authors or publisher (e.g., UN organization)
2.2c	Is the dataset documented in detail in a non-peer reviewed document, web site, or other resource?	Yes	Provide citation or links. Describe quality control or other review processes used (e.g., crowd sourcing); provide evidence of credibility of authors or publisher (e.g., UN organization) http://edgar.jrc.ec.europa.eu
2.2d	Has there been significant discussion of the dataset in the scientific literature?	Not Known	Provide citations to criticisms and responses where relevant.
2.2e	Are the uncertainties associated with the data documented.	Not Known	Provide link(s) or reference(s) and indicate what sort of uncertainty information is provided?

2.3 Lineage

2.3a	Is the dataset produced by or under the direction of a national or international body or group?	Yes	List scientific body or group	EDGAR project team Greet Janssens-Maenhout European Commission - JRC Joint Research Centre IES Institute for Environment and Sustainability TP 290 I-21020, Ispra (Va), Italy
Significance Relative to the IPCC Community				
3.1 Interest in the data				
3.1a	Has an IPCC Working Group or the TFI used or expressed an intention of using this data?	Not Known	Indicate which group(s) and/or other body. Provide reference and quote relative passage.	
3.1b	Have DDC users expressed interest in these data?	Not Known	Indicate numbers and/or types of users. Provide user metrics or examples of queries.	
3.1c	Are there strong reasons for considering the data relevant to the DDC user community?	Yes	Give reasons, backed by references. References from gray literature should have accompanying justification, as for IPCC reports.	This data was used in the development of the RCPs
3.2 Uniqueness				
	Are other datasets available with the same or overlapping 3.2 variables?	Not Known	Indicate other datasets and degree of overlap; provide links.	
Stability of Data and Data Provider				
4.1 Curation				
4.1a	Does the provider have a published data policy?	Yes	Provide link or citation	http://edgar.jrc.ec.europa.eu/terms_of_use.php
4.1b	Does the provider have a succession plan for this dataset?	Not Known	List organization(s) with long-term responsibility for the dataset (e.g., government agency, library, archive); provide a link to the plan or other documentation of the agreement	
4.1c	Is there an explicit funding model for the dataset or data provider?	Not Known	Indicate type (e.g., subscription-based, government-supported, submitter fees) and give link.	
Quality Control				
5.1 Meta-data and quality control				
5.1a	Does detailed meta-data exist for this data, in accordance with relevant national or international meta-data standards	Not known	Indicate relevant standards (e.g. NASA's Directory Interchange Format) and provide a link to the metadata.	
5.1b	Is there a stated quality assurance process or procedure for the dataset?	Not known	Indicate if relevant quality assurance standards are met (e.g., ISO9000) and give links.	
5.1c	Is there a regular validation or calibration process or procedure for the data?	Not Known	Indicate frequency and/or most recent date and give links	
5.1d	Is technical/usage guidance available?	yes	Give links	http://edgar.jrc.ec.europa.eu/methodology.php
5.2 Data updates and version control				
5.2a	Is the data subject to updates?	Yes	List frequency	irregular

5.2b	Is there a clear version control process and tracking of data provenance?	Not known	Describe version control and data provenance procedures	
5.2c	Are previous versions of the dataset accessible?	yes	List previous versions	
Accessibility				
6.1 Access requirements				
6.1a	Are the data available on-line for download?	All	Give links	http://edgar.jrc.ec.europa.eu/overview.php?v=42FT2010
6.1b	Are data made available in one or more standard (preferably open) formats?	Yes	List the formats available (at least one standard format is required);	csv
6.1c	Are there restrictions (beyond user registration and acceptance of terms of use) on data use, re-dissemination, or reuse?	Not Known	If applicable, specify the type of restrictions and give relevant links	
6.1d	Is the data available for free or for a charge?	Free	if applicable, give link to price structure	
6.2 Additional information				
6.2a	Is user registration required or requested?	No	Give relevant links;	
6.2b	Is attribution required or requested?	Not Known	Give relevant links;	
6.2c	Are versions of the data available through open interfaces (e.g., OGC Web Services, REST, SOAP)?	Yes	List interfaces and give links for specifications	http://edgar.jrc.ec.europa.eu/overview.php?v=42FT2010
6.2d	Are levels of service (e.g., bandwidth, up time) adequate?	Not Known	Give links, e.g., to up time metrics	
6.2e	Is user support available (e.g., help desk, frequently asked questions)?	Yes	List user support services and links	http://edgar.jrc.ec.europa.eu/faq.php
6.2f	Is documentation available in English?	Yes	Give links	http://edgar.jrc.ec.europa.eu/methodology.php
6.2g	Is documentation available in other languages	No	List languages (with links)	
6.2h	What is the spatial domain of the dataset		Specify bounding latitudes and longitudes	