

Guidance notes:

- 1 Please select one of the options in column C (where applicable) and enter further information in column E.
- 2 Where applicable, give additional information requested in column E, replacing the italicised text.
- 3 Do not enter information in the blue cells.

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.	<p><i>Representative Concentration Pathways Database (RCPs database)</i></p> <p><i>The RCP database aims at documenting the emissions, concentrations, and land-cover change projections of the so-called "Representative Concentration Pathways" (RCPs). The database includes harmonized and consolidated data for three of the four RCPs. This comprises emissions pathways starting from identical base year (2000) for BC, OC, CH4, Sulfur, NOx, VOC, CO and NH3. In addition, harmonized well-mixed GHG emissions of the RCPs have been added for the period 2005 to 2100. Radiative forcing and concentrations of GHGs are given for the RCPs up to the year 2100, and are extended for climate modeling experiments to 2300 (ECPs). Wherever available, historical information is provided back to the year 1850. Recent updates include historic and future land-cover information as well as emissions and concentrations data for additional sources. The data provided for the RCPs is extensive - and has undergone several procedures to assure quality and consistency, to harmonize regional base year emissions to recent inventories, and to downscale the projections to 0.5 x 0.5 degree. To prevent misuse of the RCPs, we provided guidance on the limits and uses of the RCPs.</i></p>
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.	
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?	No	List report name(s), table/figure/page number(s)	
2.1b	IPCC-related documents or materials?	Yes	List document name(s), table/figure/page number(s)	www.ipcc.ch/pdf/supporting-material/expert-meeting-ts-scenarios.pdf
2.2 Documentation				
2.2a	Is the dataset documented in detail in a peer-reviewed journal article or as a peer-reviewed document?	Yes	Provide full citation and list Thomson-Reuter impact factor (or other standard influence factors) for journal if available. 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)	<p>The representative concentration pathways: an overview Detlef P. van Vuuren, Jae Edmonds, Mikiko Kainuma, Keywan Riahi, Allison Thomson, Kathy Hibbard, George C. Hurtt, Tom Kram, Volker Krey and Jean-Francois Lamarque, et al. <i>Climatic Change</i> Volume 109, Numbers 1-2 (2011), 5-31, DOI: 10.1007/s10584-011-0148-z http://www.springerlink.com/content/t296645337804p75?MUD=MP</p>
2.2b	Is the dataset documented in detail in a peer-reviewed book chapter, report or technical document?	Not known	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)	
2.2c	Is the dataset documented in detail in a non-peer reviewed document, web site, or other resource?	Yes	Provide citations to criticisms and responses where relevant. Provide link(s) or reference(s) and indicate what sort of uncertainty information is provided?	http://www.iiasa.ac.at/web-apps/tnt/RcpDb/dsd?Action=htmlpage&page=web
2.2d	Are there significant discussions of the dataset in the scientific literature?	Not known		
2.2e	Are there uncertainties associated with the data documented.	Not known		
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	<p><i>IMAGE modeling team of the Netherlands Environmental Assessment Agency, MinicAM modeling team at the Pacific Northwest National Laboratory's Joint Global Change Research Institute (JGRI), AIM modeling team at the National Institute for Environmental Studies (NIES), Japan. MESSAGE modeling team and the IIASA Integrated Assessment Framework at the International Institute for Applied Systems Analysis (IIASA), Austria.</i></p>
Significance Relative to the IPCC Community				
3.1 Interest in the data				
3.1a	the TFI used or expressed an intention of using this data?	Yes	Indicate which group(s) and/or other body. Provide reference and quote relative passage.	<i>This data will be used in conjunction with the CMIP5 climate projections for large parts of the AR5 report.</i>
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.	
3.2 Uniqueness				
3.2	Are other datasets available with the same or overlapping variables?	Yes	Indicate other datasets and degree of overlap; provide links.	<i>The SRES scenarios contain similar variables, but do not cover the same time range and have a different conceptual basis.</i>
Stability of Data and Data Provider				
4.1 Curation				
4.1a	Does the provider have a published data policy?	No	Provide link or citation	

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	funding model for the dataset or data provider?	Yes	subscription-based, government-supported, submitter fees) and give link.	IIASA strategic plan to 2020: http://www.iiasa.ac.at/Admin/DI/docs/IIASA%20Strategic%20Plan%202011-20201.pdf
Quality Control				
5.1 Meta-data and quality control				
5.1a	accordance with relevant national or international meta-data standards	Yes	Indicate relevant standards (e.g. NASA's Directory Interchange Format) and provide a link to the metadata.	http://www.iiasa.ac.at/web-apps/tnt/RcpDb/dsd?Action=htmlpage&page=abo
5.1b	quality assurance process or procedure for the dataset?	No	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://www.iiasa.ac.at/web-apps/tnt/RcpDb/dsd?Action=htmlpage&page=abo
5.2 Data updates and version control				
5.2a	Is the data subject to updates?	Not known	List frequency	
5.2b	Is there a clear version control process and tracking of data provenance?	No	Describe version control and data provenance procedures	
5.2c	Are previous versions of the dataset accessible?	No	List previous versions	
Accessibility				
6.1 Access requirements				
6.1a	available on-line for download?	All	Give links	http://www.iiasa.ac.at/web-apps/tnt/RcpDb/dsd?Action=htmlpage&page=download
6.1b	available in one or more standard (preferably open) formats?	Yes	List the formats available (at least one standard format is required);	Some data provided in netcdf; Time series data provided as ASCII files
6.1c	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 optional?	Required	Give relevant links;	http://www.iiasa.ac.at/web-apps/tnt/RcpDb/dsd?Action=htmlpage&page=dow
6.2b	Is user registration required or optional?	Requested	Give relevant links;	http://www.iiasa.ac.at/web-apps/tnt/RcpDb/dsd?Action=htmlpage&page=wek
6.2c	Are data accessible through open interfaces (e.g., OGC Web Services, REST, SOAP)?	No	List interfaces and give links for specifications	
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)?	No	List user support services and links	
6.2f	Is documentation available in English?	Yes	Give links	
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	
Suggested improvements to this questionnaire				
Number 1	Section/row Many	Replace option list with selection box, where applicable.		