

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.	<i>NCEP/NCAR Reanalysis</i> <i>The NCEP/NCAR Reanalysis is a joint product from the National Centers for Environmental Prediction (NCEP) and the National Center for Atmospheric Research (NCAR). This project is an effort to reanalyze historical data using state-of-the-art models. It is continually updating gridded data set representing the state of the Earth's atmosphere, incorporating observations and numerical weather prediction (NWP) model output dating back to 1948. More than 20 different data products are output from the Reanalysis data assimilation, model run, and model forecast. These products are defined in terms of the NCAR archive names, physical variables, resolutions (temporal and spatial), and media storage size.</i>
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?	Yes	List report name(s), table/figure/page number(s)	<i>WG1, Chapter 4. Cited together with ECMWF and Japanese re-analyses.</i>
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				
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 factor) 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)	<i>Kalnay, E., M. Kanamitsu, R. Kistler, W. Collins, D. Deaven, L. Gandin, M. Iredell, S. Saha, G. White, J. Woollen, Y. Zhu, M. Chelliah, W. Ebisuzaki, W. Higgins, J. Janowiak, K.C. Mo, C. Ropelewski, J. Wang, A. Leetmaa, R. Reynolds, R. Jenne, and D. Joseph, 1996: The NCEP/NCAR 40-year reanalysis project. Bull. Amer. Meteor. Soc., 77, 437-471.</i>
2.2b	Is the dataset documented in detail in a peer-reviewed book chapter, report or technical document?	Not known	Provide full citation and list Thomson-Reuter impact factor (or other standard influence factor) 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)	
2.2c	Is the dataset documented in detail in a non-peer reviewed document, web site, or other resource?	Not known	Provide full citation and list Thomson-Reuter impact factor (or other standard influence factor) 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)	
2.2d	Are there any significant discussions 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	<i>CISL Research Data Archive that is managed by the Data Support Section of the Computational and Information Systems Laboratory at the National Center for Atmospheric Research in Boulder, Colorado. NCAR is sponsored by the National Science Foundation. USA.</i>
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.	
3.2 Uniqueness				
3.2	Are other datasets available with the same or overlapping 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?	No	Provide link to policy	<i>Falls under NSF data policy - but this is not (to my knowledge) available as a stand alone document.</i>
4.1b	Does the provider have a succession plan for this dataset?	Not known	Indicate link to plan 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?	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://rda.ucar.edu/pub/reanalysis/nonncar_usr.html
5.2 Data updates and version control				
5.2a	Is the data subject to updates?	Yes	List frequency	3 year
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	Are the data available on-line for download?	Some	Give links	http://rda.ucar.edu/pub/reanalysis/ or http://www.esrl.noaa.gov/psd/data/gridded/data.ncep.reanalysis.html
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);	<i>netcdf (from ESRL) GRIB, BUFR, CRAY Binary, and ASCII (from UCAR)</i>
6.1c	Are there any restrictions on data use, re-dissemination, or reuse?	Yes	If applicable, specify the type of restrictions and give relevant links	See http://www2.ucar.edu/terms-of-use -- "non-commercial, non-profit research, or educational purposes only";
6.1d	Is the data available for free or for a charge?	Both	if applicable, give link to price structure	Monthly averages are said to be available for free via ftp. Price structure at http://rda.ucar.edu/pub/reanalysis/cdrom_cost.html
6.2 Additional information				
6.2a	Is user registration required or requested?	Required	Give relevant links;	http://rda.ucar.edu/datasets/ds090.0/matrix.html
6.2b	Is attribution required or requested?	Requested	Give relevant links;	http://rda.ucar.edu/datasets/ds090.0/
6.2c	Are versions of the data available through open interfaces (e.g., OGC Web Services, REST, SOAP)?	Not known	List interfaces and give links for specifications	
6.2d	Are levels of service (e.g., bandwidth, up time) available?	Not known	Give links, e.g., to up time metrics	
6.2e	Are user support services (e.g., help desk, frequently asked questions) available?	Yes	List user support services and links	<i>General help : dssweb@ucar.edu Reanalysis specific help : chifa@ucar.edu</i>
6.2f	Is documentation available in other languages?	Yes	Give links	http://rda.ucar.edu/pub/reanalysis/data_prod.txt http://rda.ucar.edu/
6.2g	What is the spatial domain of the dataset?	No	List languages (with links)	
6.2h	What is the spatial domain of the dataset?		Specify bounding latitudes and longitudes	
<p>Comments: Currently linked from http://www.ipcc-data.org/obs/index.html -- the link is to one page within a rather complex portal. A specific dataset is not well defined.</p> <p>Suggested improvements to this questionnaire</p>				
Number	Section/row			
1	Many	Replace option list with selection box, where applicable.		