Committee:	**National Committee for Data in Science**
Period covered:	1 Nov 2013 – 30 October 2016
Chair:	Professor Jane Hunter
Version and date:	18 February 2014 EXCOM approved

Purpose / context	The overarching purpose of this committee is to enable Australian scientists to more effectively exploit the emerging data-rich research environment in order to conduct data-intensive science. 1. To connect the Academy to the field of data science and to practitioners, researchers and scientists working with data in Australia; 2. To link the Academy to Australian data scientists and practitioners in order to work together to promote the development of the discipline; 3. To link Australian science in the disciplines of scientific data management, analysis, curation and preservation to world science, in particular through the membership of appropriate international organisations; 4. To ensure that Australia has a voice and a role in the global development of the discipline of Data Science; 5. To provide strategic science policy advice on scientific data management to the Academy (through input to Academy science policy statements), and to the Australian Government and Australian organisations (with the approval of the Executive Committee of Council). 6. To promote the national value and benefits of Data (in) Science, the adoption of best practices by scientists working with data in Australia and the training of experts in data science in Australia.
Description and objectives	*(Description, purpose and benefits of the National Committee)* The NC for Data in Science is a committee of the Council of the Australian Academy of Science. The broad aims of the committee are to foster the discipline of Data Science in Australia, to link the Academy to Australian scientists and practitioners and relevant societies in this area, and to serve as a link between Australian and overseas scientists, primarily through establishing links with International Unions relevant to the field of Data Science.
Coverage	*(To be informed by the report of the Review Committee, with others as necessary)* Scientific data management; curation, preservation of and access to data collected in science; data provenance; scientific data analysis; data citation; Big Data; Linked Open Data; data integration; research data infrastructure; eResearch services; best practise data management.

Linked international organisation	Committee on Data for Science and Technology (CODATA)
Key connected organisations	*(List international unions, Australian scientific societies, other national committees, etc)* **Links to other National Committees:** Data is relevant to all of science, so the National Committee Data in Science (NCDiS) needs to build links to all National Committees. **Australian Societies and Organisations:** Links will be established through the discipline-based National Committees. Other relevant links include to infrastructure developers (e.g., the Australian National Data Service (ANDS), Research Data Storage Infrastructure (RDSI), National eResearch Collaboration Tools and Resources (NeCTAR)) and national disciplinary, research and government organizations generating large volumes of scientific data (CSIRO, Geosciences Australia, Bureau of Meteorology, Australian Bureau of Statistics (ABS)). **International Organisations:** • Committee on Data for Science and Technology (CODATA) • ICSU World Data System (WDS) • Research Data Alliance (RDA)
Key outcomes	*(Activities and projects. In addition, reference should be made to: communication and interactions with various parties, with suggestions on how this can be done; Obtaining resources to assist with outcomes and with international subscriptions. Please refer to the report of the Review Committee.)* 1. Approved committee structure and membership (annual); 2. Approved annual report (annual); 3. Engage with the relevant Australian peak bodies by providing news items to their publications and seeking opportunities to discuss NCDiS activities at their annual general meetings; 4. Engage with relevant national committees on issues of common interest; 5. Engage with CODATA, ICSU WDS, RDA and other international organizations, including nomination of members of committees; 6. Obtain financial and other resources to assist in the delivery of its activities, including contributions to the Australian subscriptions to CODATA; 7. Provide input to the Academy science policy statements where appropriate;

	8. Engage with the Chief Scientist, the Australian Research Committee (ARCom) and the Research Data Infrastructure Committee (RDIC) on the issue of open access to data outputs from publicly funded research. 9. Develop a science policy paper "Realizing an Open Data Culture in Australian Science" – which identifies the key steps that the Australian Government, the ARC, the NHMRC and research institutions could take to enable intelligent collection of, open access to and more effective exploitation of scientific data. 10. Organise activities such as workshops and panels, to promote national and international collaborations and to raise awareness of new policies, technologies, infrastructure and best practices in Data in Science in Australia.
Indicative budget	*($3000 provided per annum / $2500 per ISU meeting. Include all other activities.)* 1. $3000 per annum for meetings provided by AAS 2. Up to $2500 provided by AAS to support attendance at international meetings of CODATA (2014)
NC Officer contact	Jeanette Mill - Jeanette.mill@science.org.au
Approved by / date	