



# Australian Academy of Science

Ian Potter House, Gordon Street, Canberra 2601

## **NATIONAL COMMITTEES FOR SCIENCE** **National Committee for Space Science**

### **2011 BUSINESS PLAN or WORK PLAN** **Including TIMELINES for up to 5 years**

It is anticipated that this Plan would provide information on:

1. Aims of this National Committee
2. Strategies to allow these aims to be achieved. Eg engaging to a greater extent with the secondary and / or tertiary education sectors; promoting the benefits of your discipline to the Australian community; strengthening relationships with scientific societies; contributing to policy development; facilitating international engagement by Australian scientists
3. Plan of work/activities for up to 5 years including timelines
4. Proposed budget details (Please use the attached spreadsheet)

Note each National Committee is allocated:

- \$3,000 per annum to support committee meetings.
- Up to \$2,500 each for up to three approved voting delegates, upon presentation of a report and receipts/invoices, for attendance at the triennial/quadrennial General Assembly meetings of the corresponding International Union.

*Progress against these identified Work Plan activities will be reported on in the Chairs' annual reports to the Academy. Work Plans for 2010 can be viewed at [www.science.org.au/natcoms](http://www.science.org.au/natcoms)*

**Note:** This plan will be published on the National Committee page of the Academy of Science website [www.science.org.au/natcoms](http://www.science.org.au/natcoms).

**Please complete and return this form by 14 January 2011 to:**

Jeanette Mill

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## **1. Aims of the National Committee for Space Science**

- Propose and encourage activities and policy in Australia, either jointly with other bodies or separately, that promote and develop space science in Australia;
- Build upon and achieve the goals of the first Decadal Plan for Australian Space Science, revised as necessary;
- Support the Strategic Plan for Earth Observation from Space, revised as desired;
- Liaise with the international Committee for Space Research (COSPAR), the International Association of Geomagnetism and Aeronomy (IAGA), the International Association of Geodesy (IAG), the Scientific Committee on Solar-Terrestrial Physics (SCOSTEP) of ICSU, the International Union of Geodesy and Geophysics (IUGG), the International Union of Geological Sciences (IUGS), the Asia Oceania Geosciences Society (AOGS), and other relevant international bodies and societies on space science and space matters;
- Provide the Academy of Science and government with advice and opinions on matters relevant to space policy and space related activities of national importance;
- Liaise with Government groups focused on space science and on space matters, including the Space Policy Unit, IPS Radio and Space Services, Australian Antarctic Division, Bureau of Meteorology, CSIRO, Defence Science and Technology Organisation (DSTO), and Geoscience Australia;
- Liaise with the Australian Institute of Physics (AIP) and its Solar Terrestrial and Space Physics (STSP) Group, the Geological Society of Australia, the Academy of Technological Sciences and Engineering (ATSE), and other relevant national bodies and societies (whether professional, commercial, or public-based) interested in space science and space matters;
- Enhance cross-fertilisation, education, and training across the multi-disciplinary subject of space science;
- Develop and lead the Australian Space Science Conference (ASSC), in conjunction with the National Space Society of Australia (NSSA), to be the nation's internationally-respected showcase for Australian space science;
- Develop leadership roles in other Australian meetings relevant to space science, including planetary science workshops associated with the Geological Society of Australia and Workshops on the Applications of Radio Science (WARS) with the National Committee for Radio Science;
- Encourage participation by Australian scientists in relevant activities of COSPAR, IAGA, IAG, SCOSTEP, and similar international scientific societies and programs (e.g., CAWSES, IHY, eGY, I\*Y etc.), to keep COSPAR, IAGA, IAG, SCOSTEP, and similar societies and programs informed at appropriate times of Australian opinions and plans, and to ensure that our voice is heard.

## **2. Strategies to allow these aims to be achieved**

- Publish, release, promote, enable, and work to achieve the goals of the first Decadal Plan for Australian Space Science 2010 – 2019, approved by the Academy on 3 December 2009, and launched on 27 September 2010.
- Promote, enable, and work to develop the aims of the Strategic Plan for Earth Observation from Space, approved by the Academy and ATSE in October 2009;
- Work with Government, specifically the Space Policy Unit created in 2009, to develop space science and space as a whole for the national benefit;



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- Promote the National Space Weather Plan and the associated Space Weather Statement in collaboration with ATSE;
- Support COSPAR, IAGA, SCOSTEP, and IUGG by managing the Australian delegation and input (international role), plus provide input to IUGS for planetary science and Earth observation in particular, with similar work for AOGS, ASSC, and other appropriate national and international groups;
- Support the many component disciplines and applications of space science (e.g., solar-terrestrial and space physics, planetary atmospheres and geology, remote sensing, astrobiology, and space technology) as major foci and themes of scientific meetings in Australia.
- Develop stronger links to other organisations in Australia with interests in space and science.
- Work with the National Space Society of Australia (NSSA) to further develop the Australian Space Science Conference (ASSC) into a nationally and internationally showcase for Australian space science;

### **3. 2011-2015 NCSS Plan of work/activities and timelines**

Most of NCSS's work and activities are anticipated to occur each year or every second year. These are given next, before timelines.

- Yearly NCSS meetings (and as otherwise required).
- National delegate to attend and participate at Council meetings of COSPAR, IAGA, and SCOSTEP, each every 2 years with COSPAR & SCOSTEP in alternate years to IAGA.
- Promote, enable, and work to achieve the goals of the first Decadal Plan for Australian Space Science 2010 – 2019, in consultation with relevant space, geoscience, biological, and astronomical constituencies.
- Consult and work with others to extend the Strategic Plan for Earth Observation from Space towards detailed scientific and service projects.
- Respond to issues relevant to government space policy and a coordinated national effort in space science (e.g. the National Space Weather Plan) and help organise meetings of Australian space scientists with government and foreign groups;
- Jointly organise and promote an annual Australian Space Science Conference with the National Space Society of Australia (NSSA);
- Support other international and domestic conferences with space science interests that are held in Australia, including planetary science at the International Geological Congress (Brisbane, 2012), 2011 Planetary Science workshops with the Geological Society of Australia in 2011 and other years, and Workshops on the Applications of Radio Science (WARS) with the National Committee for Radio Science as appropriate;
- Organise, write, and release bi-annual reports to COSPAR on Australia's efforts in space science;
- Develop contacts with other Australian Societies with interests in space science, such as ATSE, IEAust National Committee on Space Engineering (NCSE), Geological Society of Australia, NSSA, and the Australian Space Industry Chamber of Commerce;
- Support continued involvement in the Hayabusa (MUSES-C) space mission through the Academy's MUSES-C Task Force set up in 2002;
- Support involvement of Australian scientists and institutions in existing and future spacecraft, ground-based instruments and infrastructure relevant to Australian space science;
- Support Australian involvement in the CAWSES (SCOSTEP), International Living with a Star (ILWS), IHY, I\*Y, eGY, and future programs.

At present the most important non-recurring event expected for NCSS is the process of assessing the progress made towards the goals of the Decadal Plan (2010-2019) and the preparation of a mid-course correction and update report. This process is expected to start in 2014, 4 years after release of the Plan, with release of the mid-course correction/update report in late 2015.



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2011:

- NCSS meeting in March / April
- Hayabusa meeting (date TBD)
- IAGA and IUGG meetings in July (Melbourne)
- ASSC Meeting and Planetary Science Workshop (Canberra) in September/October

2012:

- NCSS meeting in March / April
- Hayabusa meeting (date TBD)
- Prepare COSPAR report 2010-2012 (Feb – July)
- SCOSTEP, COSPAR, and IGC meetings in July/August
- ASSC Meeting September/October

2013:

- NCSS meeting in March / April
- Hayabusa meeting (date TBD)
- IAGA meetings in July/August
- ASSC Meeting September/October

2014:

- NCSS meeting in March / April
- Hayabusa meeting (date TBD)
- Prepare COSPAR report 2012-2014 (Feb – July)
- SCOSTEP and COSPAR meetings in July/August
- ASSC Meeting September/October
- Start the mid-course correction process and preparation of an update report for the Decadal Plan (second half of year)

2015:

- NCSS meeting in March / April
- Hayabusa meeting (date TBD)
- IAGA meetings in July/August
- ASSC Meeting September/October
- Complete and release the mid-course correction / update for the Decadal Plan (late 2015)
- ASSC Meeting September/October



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## National Committee for Space Science Proposed Budget

Year	Item (Please include brief description of item/activity in Business Plan document)	Amount requested from Academy \$	Other resources requested from Academy (non\$)	Other contributions (non Academy including in kind)
Example	<i>Symposium on (insert topic)</i>	\$5,000	<i>Two weeks staff time</i>	<i>Committee's time 200hrs</i>
			<i>Shine Dome for 2 days</i>	
<b>2011</b>				
	NCSS Annual Meeting	3000		
	Muses-C Taskforce Annual Meeting	3000		
	National Delegate to IAGA / IUGG	2500		
	Australian Space Science Conf. (esp. Plan Workshop)	2000	5 days staff time	
<b>Total</b>		10500		0
<b>2012</b>				
	NCSS Annual Meeting	3000		
	Muses-C Taskforce Annual Meeting	3000		
	National Delegate to COSPAR	2500		
	National Delegate to SCOSTEP	2500		
	Preparation of COSPAR Report (web publication)		3 weeks staff time, 1 person	
	Australian Space Science Conf. (esp. Plan Workshop)	2000	5 days staff time	
<b>Total</b>		11000		0
<b>2013</b>				
	NCSS Annual Meeting	3000		
	Muses-C Taskforce Annual Meeting	3000		
	National Delegate to IAGA / IUGG	2500		
	Australian Space Science Conf. (esp. Plan Workshop)	2000	5 days staff time	
<b>Total</b>		10500		0
<b>2014</b>				
	NCSS Annual Meeting	3000		



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	Muses-C Taskforce Annual Meeting	3000		
	National Delegate to COSPAR	2500		
	National Delegate to SCOSTEP	2500		
	Preparation of COSPAR Report		3 weeks staff time, 1 person	
	(web publication)			
	Australian Space Science Conf.	2000	5 days staff time	
	Mid-Course Correction Process for Decadal Plan (1-2 meetings)	3000	2 week staff time & Shine Dome for 1-2 days	
<b>Total</b>		16000		0
<b>2015</b>				
	NCSS Annual Meeting	3000		
	Muses-C Taskforce Annual Meeting	3000		
	National Delegate to IAGA / IUGG	2500		
	Australian Space Science Conf.		No request this year (due to other requests below).	
	(connected to Plan Symposium)			
	Symposium on Decadal Plan	1000	Lunches, 2 days of Shine Dome & 2 weeks staff time	
	(connected with Aust Space Sci Conf)			
	Writing / publication of Mid-Course	3000	3 days Staff time & lunch for a 1-day meeting of Steering	
	correction / update for Plan		Committee, 3 weeks staff time to edit/publish Report, and publication costs for Report.	
	Release of Mid-Course Report	3000	Event costs at Shine Dome or suitable location + 1 week staff time	
<b>Total</b>		15500		0