

## 2016 National Research Infrastructure Roadmap Terms of Reference

The National Research Infrastructure Roadmap is an initiative under the Australian Government's National Innovation and Science Agenda (NISA) announced by the Prime Minister, the Hon Malcolm Turnbull MP, on 7 December 2015.

The 2016 National Research Infrastructure Roadmap (2016 Roadmap) will set out Australia's long term research infrastructure needs and propose future areas of investment so that Australia continues to maintain its research excellence and increases innovation across the economy to the benefit of the nation.

The 2016 Roadmap, led by Australia's Chief Scientist, has been established to provide advice to the Australian Government through the Ministers for Education and Training and Industry, Innovation and Science on future priorities for strategic investment in those key national research infrastructure capabilities that would support and develop Australia's research capacity and underpin research and innovation outcomes over the next five to ten years.

The Chief Scientist will be assisted by an Expert Working Group in the development of the new 2016 Roadmap.

The 2016 Roadmap will develop a prioritised plan for the coming decade for investment in national research infrastructure capability that will advance science and research for a healthy, sustainable and prosperous Australia and position the nation to respond to the world's big research challenges.

Accordingly, the 2016 Roadmap will:

- identify Australia's national research infrastructure needs to underpin future research and innovation capability
- consider where Australia already has world-class research infrastructure capability and identify existing and emerging areas for future strategic development or prioritised investment
- determine areas where capacity building of the national research infrastructure system or decommissioning of existing capacity will be of strategic benefit to Australia's research effort
- identify those international trends and best practices that will determine whether Australia's national research infrastructure investment can be world-class and provide international leadership
- identify how Australia's national research infrastructure investment can be aligned to Australia's National Science and Research Priorities and other Government priorities such as NISA, so as to increase collaboration within the research system both nationally and internationally and with the users of research such as business and industry
- identify opportunities for partnerships and co-investment with key stakeholders in the research sector, particularly industry and other end users of research, that will leverage the Government's investment in national research infrastructure
- provide guidance on where Australia can take advantage of international or global research infrastructure and build regional sharing arrangements, and
- provide guidance to the Government on priorities and possible allocation of operating funding under NCRIS.

In developing the 2016 Roadmap, the Chief Scientist leading the Expert Working Group will:

- seek expert advice on research infrastructure capability and investment needs
- consult with the research community, the university sector, public and private research institutes, research funders, state and territory governments, peak organisations, existing facility operators, publicly funded research agencies, international organisations, federal government agencies and importantly users of research such as industry and business
- provide stakeholders and the community more broadly with the opportunity to provide feedback on a draft 2016 Roadmap, and
- provide regular updates on progress to the Minister for Education and Training and the Minister for Industry, Innovation and Science.

The Expert Working Group will be supported by the Department of Education and Training through a dedicated secretariat.