Please note: the substantive content of the 2026 NRI Roadmap Survey begins at Question 20 with prior questions dealing with administrative and other information).
As such all submissions that are published include the responses submitted from Question 20 onwards only.
Part 2: Research themes 2.1 NRI comprises the assets, facilities and associated expertise to support leading-edge research and innovation in Australia and is accessible to publicly and privately funded users across Australia and internationally. We are seeking your input on possible directions for future national-level investment - i.e., where the requirements are of such scale and importance that national-level collaboration and coordination are essential.
The 2021 Roadmap used a challenge framework to support NRI planning and investment. With this in mind, consider likely future research trends in the next 5 - 10 years, and with respect to one or more of the 8 challenge areas identified in the 2021 Roadmap as listed below: • describe emerging research directions and the associated critical research infrastructure requirements that are either not currently available at all, or not at sufficient scale and • describe current national infrastructure requirements that you anticipate will no longer fit the definition of
NRI in 5-10 years. Do not limit your commentary to NCRIS funded capabilities.
Q21. Resources Technology and Critical Minerals Processing
Increased reliance on computation to accelerate novel processing techniques.

Food and Beverage	
Not sure	
Q23. Medical Products	
Not sure	
Q24. Defence	
Increased reliance on computation to model engagements, social trends, geopolitcs etc.	
Q25. Recycling and Clean Energy	
Not sure	
Q26. Space	
Not sure	
Q27. Environment and Climate	
Increased reliance on computation to understand climate and ecological trends and to test interventions for effectiveness.	

Increased reliance on computation to accelerate discovery of new chemical and material technologies, and to optimize manufacturing through digital and related techniques.	I twin
 Q29. 2.2 The 2024 statement of National Science and Research Priorities (NSRPs) includes outcomes linked to each priority to assist in identifying critical research needed in the next 5 to 10 years. Consider the priority statements and, with respect to one or more of the 5 priority areas as listed below: describe emerging research directions and the associated critical research infrastructure requirements that are either not currently available at all, or not at sufficient scale and describe current national infrastructure requirements that you anticipate will no longer fit the definition of NRI in 5-10 years. Do not limit your commentary to NCRIS funded capabilities, and where relevant, refer to the underpinning outcomes and research identified in the NSRPs document. 	
Q30. Transitioning to a net zero future	
Not sure	
Supporting healthy and thriving communities Not sure	
Q32. Elevating Aboriginal and Torres Strait Islanders knowledge systems	
Not sure	
Q33. Protecting and restoring Australia's environment	
Not sure	

Building a secure and resilient nation Increased reliance on digital skills and leadership in new technologies as manufacturing moves to lower cost countries. Q35. 2.3 The case for a new NRI capability, or enhancements to existing capabilities, typically emerges through advocacy from research communities clustering around rigorously identified needs and goals. Such a concept could respond to a requirement for novel or expanded capacity within a domain, or across domains, and must be such that it could only be made available with national-level investment. If you have identified such a requirement, briefly describe the need, the proposed infrastructure capability, the medium-term goals, impacted research communities, and the timeframe over which you advocate its establishment. Your response can include links to relevant existing reports. Australia is a laggard in computational infrastructure and competency, with overseas competitors having easier access to computing resources via flexible arrangements. This urgently needs to be fixed to ensure we do not fall behind competitors. Note, the obsession with quantum computing here is a major hindrance, as it (mis)directs funding to unproven - and most likely niche even when proven - technologies away from technologies that are already advancing our competitors compared to Australia. Q36. Part 3: Industry perspectives This section is seeking input specifically from industry-based respondents. Other respondents can skip this section. Recommendation 6 of the 2021 Roadmap related to improvements in industry engagement with NRI. To complement work on this topic that has occurred since then, we are seeking additional advice on NRI requirements as perceived by current or potential industry-based users. Q37. 3.1 Have you (or your organisation) interreacted with or used Australia's NRI? Yes No Q38.

3.2 If so, please briefly outline the NRI capabilities you (or your organisation) have interacted with or used. Do not limit your response to NCRIS capabilities.

This question was not displayed to the respondent.

Q39.

3.3 Please indicate your (one or more) primary reasons for interacting with NRI:

This question was not displayed to the respondent.

Q40.

3.4 If you answered no, please indicate your (one or more) primary reasons:

☐ I did not know about it
Other facilities suit my needs better
☐ I would like to, but cannot get access due to geographical location
I would like to, but believed that access was only available to academic researchers
I am not aware of any capability that meets my needs
Other (please specify)

Q41.

Part 4: Other comments

i art 4. Other comments	
4.1 Please elaborate on any of your above responses or add any other comments relevant to the	
development of the 2026 Roadmap. Your response can include reference or links to existing reports that you	J
recommend be considered during the 2026 Roadmap development process.	

Q49.

4.2 Optional Document Attachment.

Note: Our strong preference is that answers are provided against the relevant questions in the survey. However, this file upload option is available for submissions in file format, where needed. Please ensure the document includes your name or organisation.