

Coordinating National Data Infrastructures to Support Global Data-Intensive Research

The Information Standards Advisory Panel (ISAP) of the Australian National Earth and Environmental Sciences Facilities Forum (NEESFF)

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Australia’s National Collaborative Research Infrastructure Strategy (NCRIS) is building a coordinated, interoperable **Earth and Environmental data ecosystem** through the **National Earth and Environmental Sciences Facilities Forum (NEESFF)** and its **Information Standards Advisory Panel (ISAP)**.

This work positions Australia as a **key international partner** in advancing **Open Science**, supporting the UN Sustainable Development Goals, and empowering data-intensive, cross-disciplinary research **from local to global impact**.

As well as coordinating across Australia, members participate in global Research Infrastructures (RIs): TERN is a participant in the Global Ecosystem Research Infrastructures (GERI), ALA the Global Biodiversity Information Facility (GBIF), ACCESS-NRI and NCI the Earth Systems Grid Federation (ESGF), whilst Auscope has formed a network with the European Plate Observing System (EPOS), the US EarthScope and Earth Science NZ/Te Pū Ao. Additionally, with a goal of improving data interoperability and supporting Open Science principles, some members are actively participating in the CODATA-led WorldFAIR+ initiative. Members also belong to community-led organisations like Earth Science Information Partners (ESIP), the Research Data Alliance (RDA), AGU and EGU, bringing global information standards knowledge to Australia.

