

Our soil

Soil is one of our most valuable natural resource assets. It plays a crucial role in supporting agricultural industries. Soil also supports our biodiversity and environment, our infrastructure, our heritage, and the way we live.

The National Soil Strategy

The National Soil Strategy sets out how Australia will value, manage and improve its soil resources for the next 20 years. The Australian National Soil Information System (ANSIS) Project is a key program of works to come out of the strategy. ANSIS is supported by funding through the Australian Government National Soil Strategy (Department of Agriculture, Fisheries and Forestry) in collaboration with CSIRO and partner organisations.

ANSIS vision

ANSIS will provide improved access, sharing, and use of nationally-consistent soil data and information to help sustainably manage our soil, and to support decision-making processes and policy outcomes.

The benefits and value of ANSIS for partners

The value of ANSIS for partners lies in the shared data infrastructure and social (i.e. governance) systems that ANSIS provides. This infrastructure and these systems can facilitate improved data sharing and uptake. ANSIS governance arrangements encourage collaboration on tangible policy and science outcomes across multiple domains, including agriculture and the environment.

Conversations with current ANSIS partners have identified the following benefits (i.e. realised value):

- Enhanced visibility, recognition and capacity to provide meaningful, fit-for-purpose data to inform policy and support for decision makers and stakeholders
- Improved awareness and understanding of soil data and quality among partners at a national scale
- Increased capacity within and between partner organisations to share and access soil data
- Reduced duplication of soils data and data infrastructure
- Improved knowledge, data, and collaboration through ANSIS's federated governance model
- Integration of soil data from ANSIS with other environmental and sustainability activities, such as regional and national assessments.



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Credit: CSIRO/Stuart Walmsley.