

Building A Trustworthy Data Repository for Australian Geoscience Research Communities

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Introduction

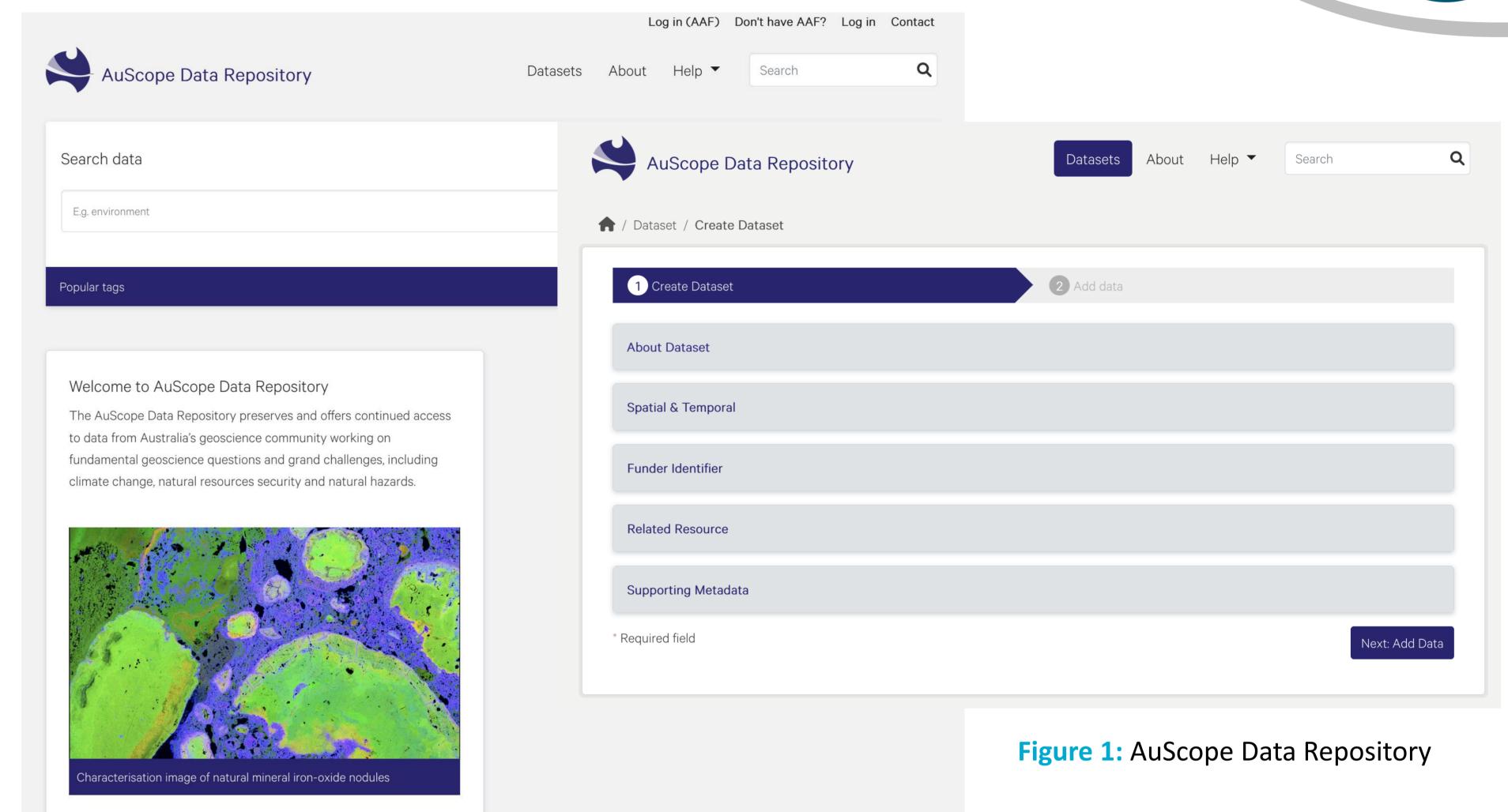
- The AuScope Discovery Portal [1] aggregates spatial layers from the AuScope partners
- Data catalogues offered by the partners and universities do not fully meet the requirements of Australian geoscience research communities
- Heterogenous data structures and inadequate metadata limits data discovery and reuse
- A domain repository for preserving various geoscience data in Australia is missing

AuScope Data Repository

- A trusted digital repository [2] for the AuScope community (e.g., NCRIS-funded data projects and Australian Geoscience research communities)
- Offers long-term geoscience data preservation and continued access
- Supports AuScope 10-Year Strategy 2020-2030 [3] to enable predictive geoscience by providing openly accessible FAIR data

Repository Principles

- Open access with appropriate attributions
- FAIR (Findable, Accessible, Interoperable and Reusable) data for humans and machines
- CARE Principles for Indigenous Data Governance
- Alignment with community practices (national, international)
- Editorial for ensuring high-quality data publication
- Interfacing with relevant data services for enhanced data discovery and reuse
- Sustainable and secured infrastructure
- Educate and engage with the user community



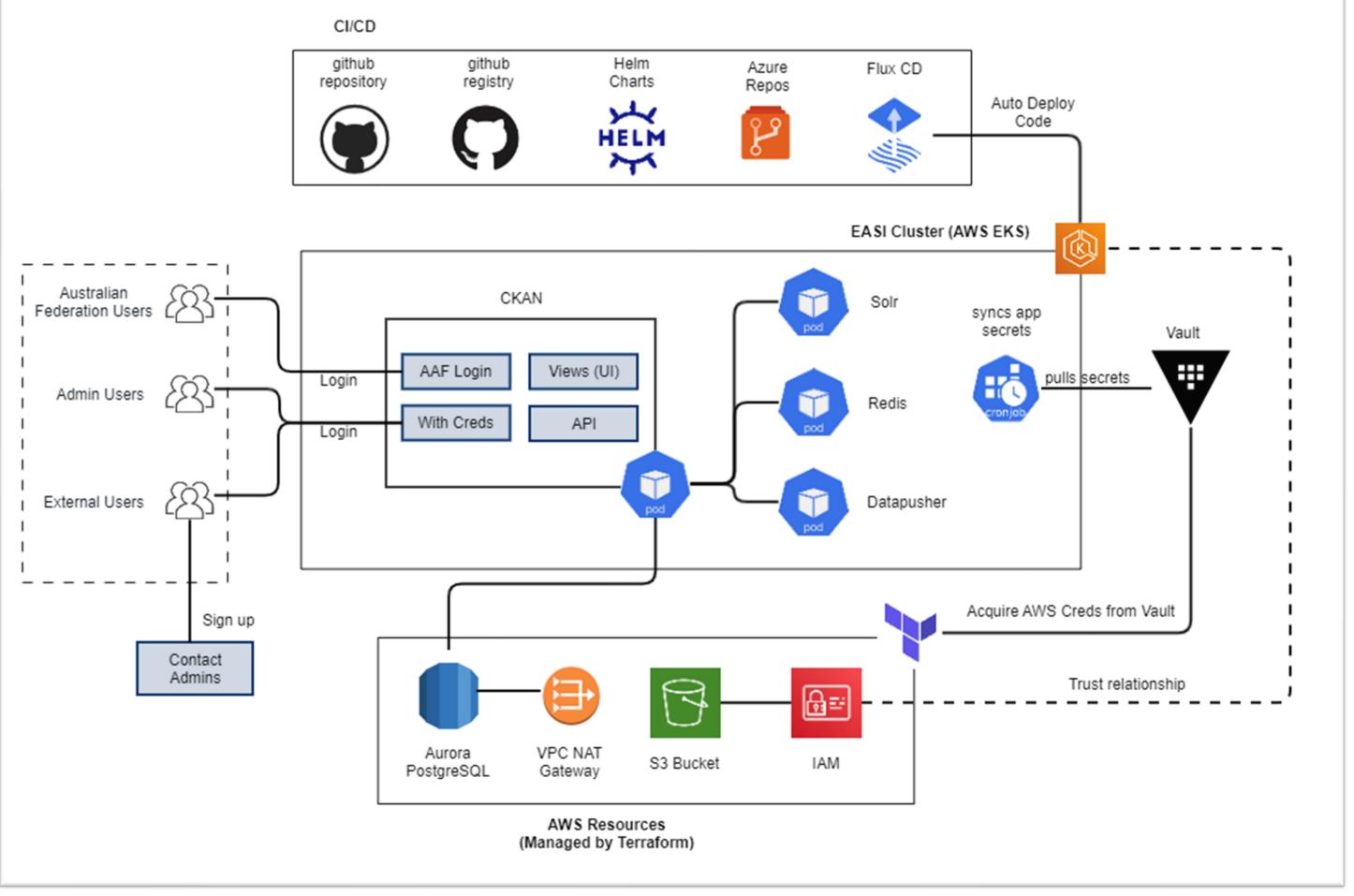


Figure 2: System Architecture.

Strategy (NCRIS).

LINKS