CADRE Platform
Information Exchange

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Co-authors

- Ingrid Mason & A/Prof Steven McEachern, The Australian National University
- A/Prof Amir Aryani, Swinburne University
- Peter Vats, Research Graph Foundation
- John Scullen, The Australian Access Federation

Prototype information graph

- Public information – scholarly graph
- Internal administrative information – request and requestor records
- Internal identity information – institutional records and controls

Information requirements

- Manage requests and access to sensitive data (for research)
- Information collation, synthesis and visualisation for decision-support
- Combining multiple information sources
  - Information about:
    - Researchers, projects, training and request histories
    - Technical authorisation and authentication
    - Sensitive data access requests
- Research workflows across multiple systems (institutional and national research infrastructure as ecosystem)

Information modelling

- Straw graph to quickly collate and synthesise metadata for
- Identification of standards and ability leverage off and build onto scholarly graph
- Identification of leading work internationally e.g., ImPACT project, data use ontology (Broad) and research passport (ICSPR)
- Identification of allied work in secure settings nationally e.g., SeRP

Informatics and analytics

- *Sensitive* research data management – information sources
  - Five Safes framework (5 + 2 : organisations and groups) – ADA
  - Ethics expertise (training and accreditation) – ADA
  - Trust and identity (authorisation and authentication) – AAF
  - Scholarly profile (publications) – Research Graph

- *Sensitive* research data manager – decision-support
  - Data owner – sets terms and conditions for access
  - Data custodian – mediates to ensure compliance and enable access
  - Data user – complies with terms and conditions for access

Five Safes & Ethics Expertise – ADA

- Profile of the request and requestor
    - Five Safes attributes – inclusion of DOI, RAiD, RoR, ORCiD (PID)
    - Expertise – inclusion of request history, ethics training history, training certification or accreditation

Trust & Identity – AAF

- Authoritative attributes from home organisation e.g., name, current affiliation (relationship), email address

- One-time process to link ORCiD to registered user

- CILogon holds group membership information to enable access to approved datasets

Scholarly profile – Research Graph

- Profile of the scholar and their scholarship
    - ORCiD and CrossRef (PID) and augment API
    - Prototype with ADA metadata from Dataverse (public and admin attributes)