# Position Details

## Research Projects- CSOF6

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| The following information is for applicants | |
| Advertised Job Title | Information Modeller |
| Job Reference | 97136 |
| Tenure | Specified Term of 1 year until 30/6/25  Full-time |
| Salary Range | AU$126k - AU$148k per annum (pro-rata for part-time)  plus up to 15.4% superannuation |
| Location(s) | Brisbane QLD (preferred), Sydney NSW, Canberra ACT, Melbourne VIC |
| Relocation Assistance | Will be provided to the successful candidate if required |
| Applications are open to | Australian/New Zealand Citizens and Australian Permanent Residents |
| Position reports to the | Sparked Community Lead |
| Client Focus – Internal | 80% |
| Client Focus – External | 20% |
| Number of Direct Reports | 0 |
| Enquire about this job | Contact Kylynn Loi via email at Kylynn.loi@csiro.au |
| How to apply | Apply online at <https://jobs.csiro.au/>  Internal applicants please apply via **Jobs Central**  If you experience difficulties when applying, please email [careers.online@csiro.au](mailto:careers.online@csiro.au) or call 1300 984 220. |

**Acknowledgement of Country**

CSIRO acknowledges the Traditional Owners of the land, sea and waters, of the areas that we live and work on across Australia. We acknowledge their continuing connection to their culture and pay our respects to their Elders past and present. View our [vision towards reconciliation](https://www.csiro.au/en/about/Indigenous-engagement/Reconciliation-Action-Plan).

**Child Safety**

CSIRO is committed to the safety and wellbeing of all children and young people involved in our activities and programs. View our [Child Safe Policy](https://www.csiro.au/en/about/policies/child-safe-policy).

### Role Overview

The Australian e-Health Research Centre (AEHRC) is CSIRO’s national digital health research program. We’re championing the digital delivery of healthcare enabled by ​world-leading digital research and innovation​, industry partnerships, community connections​, and national trust. We’re a dedicated and committed team, passionate about transforming the health of Australians. You’ll find some of our health and biomedical informatics research:

* Delivered through virtual care to monitor health remotely;
* Informing evidence-based digital health solutions; or
* Transforming the efficiency of hospital and health systems – nationally and internationally.

With over 100 scientists and engineers across Brisbane, Sydney, Melbourne, Canberra and Perth, the AEHRC is Australia’s largest digital health research program.

The unparalleled demands of COVID-19 have been a catalyst for increased focus on digitisation and innovation in health. CSIRO, via the AEHRC, is leading a national agenda focused on innovation to foster continued transformation and sustainable healthcare delivery practices. We're hiring a number of talented researchers and leaders to contribute to this significant objective.

The Clinical Information Modeller role in the Sparked AU FHIR Accelerator team at the Australian e-Health Research Centre (AEHRC) is a dynamic and multifaceted position. It involves collaborative efforts with the Sparked team and various stakeholders to advance the development, management, and governance of open data exchange standards in line with Australia’s healthcare system's evolving needs.

The Sparked Clinical Information Modeler plays a crucial role in the design of national health data standards and interoperability of health information. This role focuses on the design, development, management, and implementation of data models, clinical terminologies and vocabularies within healthcare settings, particularly through the use of the openEHR clinical modelling approach and implementation using FHIR (Fast Healthcare Interoperability Resources) standards. The role is integral to ensuring accurate and consistent health data, both within our electronic health record systems and flowing between the various systems and stakeholders in healthcare, including national platforms such as My Health Record, standardised clinical decision support systems, and for reuse in other secondary use contexts.

### Duties and Key Result Areas

* Development and governance of structured clinical data models, comprising clinical information models and appropriate terminology value sets, to ensure they are up-to-date and accurately reflect current clinical practice.
* Develop logical modelling and data mapping between different terminology systems to support interoperability among diverse health information systems.
* Active participation and facilitation in the Sparked Clinical Design Group (CDG), co-designing work with the clinical profession and industry through an agile approach.
* Active participation in the Sparked Technical Design Groups (TDGs), clarifying clinical requirements during the FHIR IG development process
* Effective communication and training capabilities to educate healthcare providers on the use of clinical data models, including openEHR archetypes and terminologies
* Effective communication and training capability about how the clinical modelling provides the data foundation for transformation into implementable technical specifications like FHIR
* Facilitation of workshops with clinicians and vendors, including pre- and post-workshop documentation
* Representation at external engagement events and conferences.
* Leading an agile approach to iteratively developing and validating the clinical modelling specifications using a consensus and community-driven approach.
* Communicate openly, effectively and respectfully with all staff, clients and suppliers in the interests of good business practice, collaboration and enhancement of CSIRO’s reputation.
* Work collaboratively as part of a multi-disciplinary, regionally dispersed research team to carry out tasks in support of CSIRO’s scientific objectives.
* Adhere to the spirit and practice of CSIRO’s Values, Code of Conduct, Health, Safety and Environment procedures and policy and diversity initiatives.
* Other duties as directed.

## **Selection Criteria**

#### Essential

*Under CSIRO policy only those who meet all essential criteria can be appointed.*

1. Relevant diploma/bachelor’s degree or equivalent relevant work experience in the medical healthcare domain.
2. Strong understanding of clinical healthcare practices, workflows, and regulatory requirements related to clinical documentation and health data exchange in the Australian ecosystem.
3. Proven negotiation, consultation, facilitation and effective written and oral communication skills for use in a complex project environment.
4. Understanding of medical terminology, including anatomical terms, procedures, diagnoses, and medications.

## **Desirable**

1. Experience of the openEHR clinical modelling methodology and FHIR standards.
2. Proficiency with healthcare terminology standards such as SNOMED CT, LOINC, ICD-10, and CPT codes, and how these integrate with openEHR archetypes and FHIR resources.
3. Experience in using and managing terminology services and tools and other clinical data ontologies.
4. Ability to develop and govern information models for national data sets like the Australian Core Data Set for Interoperability (AUCDI) to support FHIR-based systems.

## **Required Competencies**

* **Teamwork and Collaboration:** Cooperates with others to achieve organisational objectives and may share team resources in order to do this. Collaborates with other team as well as industry colleagues.
* **Influence and Communication:** Identifies critical stakeholders and influences them via an influential third party, for example through an established network, to gain support for sometimes contentious, proposals / ideas.
* **Resource Management/Leadership:** Sets up and maintains effective and efficient work teams and manages performance and resources, to achieve objectives. Chooses appropriate management strategies and communication styles to maintain high levels of motivation and productivity. Gives feedback for development purposes and provides support and direction for improvement.
* **Judgement and Problem Solving:** Anticipates and manages problems in ambiguous situations. Develops and selects an appropriate course of action and provides for contingencies. Evaluates, interprets and integrates complex bodies of information and draws logical conclusions, synthesises proposals and defends options with reasoned arguments.
* **Independence:** Assesses the risk and opportunity of identified strategies, options and actions. Overcomes problems and setbacks in achieving goals. Invariably includes consideration of value-added future impact on bottom line when determining the optimal and efficient use of resources.
* **Adaptability:**Demonstrates flexibility in thinking and adapts to and manages the increasing rate of organisational change by adjusting strategies, goals and priorities.

Special Requirements

Appointment to this role is subject to provision of a pre-employment background check and may be subject to other security/medical/character clearance requirements.

Include if relevant:

* The successful candidate will undertake a pre-employment background check. Please note that individuals with criminal records are not automatically deemed ineligible. Each application will be considered on its merits.

## **About CSIRO**

We solve the greatest challenges through innovative science and technology. Visit [CSIRO Online](http://www.csiro.au/) and  [AEHRC website](file://users/loi011/Downloads/aehrc.csiro.au) for more information.

CSIRO is a values-based organisation.  In your application and at interview you will need to demonstrate behaviours aligned to our values of:

* People First
* Further Together
* Making it Real
* Trusted