

# TinT: Classification & Māori Data TK Labels

## Background of Scholarship

Applications are invited for a PhD scholarship opportunity on exploring classification systems for Māori data. This scholarship is part of a research project - Tikanga in Technology: Indigenous Approaches to Transforming Data Ecosystems - supported by the NZ Endeavour fund. The successful applicant must be eligible to enrol at a New Zealand University.

## Primary Purpose of the Position

Undertake research activities as required to advance the use of Traditional Knowledge Labels as machine actionable data management tools. The TK Labels are human readable and machine readable digital tags that were developed to refocus the relationships on how people, place, and data are activated and used within archives, museums, libraries, and open data environments. The TK Labels were created as a response to the failure of IP law to properly address Indigenous cultural and intellectual property interests especially in contexts of research, collection, and preservation. They function as a practical digital tool that supports community aspirations for Indigenous data sovereignty. This tool provides a structured approach to sharing Indigenous information and data by making machine readable Indigenous protocols and permissions for use and circulation of information and data. The Labels also work to support data provenance, data findability, and data re-use.

To increase the utility and functionality of the TK Labels we are looking for a motivated student to explore the functional provenance limits of the TK Labels from a community user perspective, including the contexts where derivative uses of data might generate their own unique provenance relationship.

We propose that the successful applicant will:

1. Undertake a comprehensive review on approaches to licensing of data, data access permissions, and data provenance.
2. Identify the best use of the Open Digital Rights Language and the Data Privacy Vocabulary for promoting the goals of the Traditional Knowledge Labels Taxonomy.
3. Engage with community users of the TK Labels to explore uses, advantages, and limits of identifying provenance.
4. Develop a model for transitioning digital rights associated with Indigenous cultural and intellectual property interests, in particular for defining rules and limits associated with TK Labels.

## Knowledge & Skills

Essential:

- Expertise in community psychology or information science would be ideal
- Experience in engagement with Māori/Indigenous communities is necessary
- Expertise in quantitative and qualitative data analysis
- Excellent written and verbal communication skills
- Statistical analysis skills.

## **Education & Experience**

Essential:

- A qualification in information science or related discipline such as information systems, statistics, computer science, computer engineering, or psychology to meet the eligibility criteria for entry into the PhD programme for the University of Waikato
- Strong interest in information and using science to enhance the value of information for people, in particular Indigenous information
- Awareness of data ethics, data provenance, natural language processing, data management
- Research experience with primary and secondary data collection and analysis.

## **Personal Attributes**

- Independent and flexible work practices
- Attention to quality and accuracy of work.

## **Application documents required:**

- CV and two character references

## **Contact and email address for applications:**

Name: Associate Professor Maui Hudson

Email address: [maui.hudson@waikato.ac.nz](mailto:maui.hudson@waikato.ac.nz)

## **Closing date:**

1<sup>st</sup> August 2021