

Ātea

National
Science
Challenges

SCIENCE FOR
TECHNOLOGICAL
INNOVATION

Kia kotahi mai –
Te Ao Pūtalao me
Te Ao Hangarau



THE UNIVERSITY OF
WAIKATO
Te Whare Wānanga o Waikato

Ātea – the purpose

- To create **virtual, digital space** in which Māori knowledge can be **created, articulated, interpreted, interrogated** and **built**
- An environment where Māori can **connect, share, create** and **develop reo, whakapapa, culture** and **identity** as Māori for Māori
 - Globally connected people - more than **250,000 currently living overseas**
 - Māori **urbanisation** approx. **85%**

Ātea – the team



Peter-Lucas Jones



Keoni Mahelona



Robyn Kamira



Antony Royal



Rob Lindeman



J. Stephen Downie



David Bainbridge



Paora Mato



Pou Temara



Hōri Manuirirangi



Te Taka Keegan



Hēmi Whaanga, Nadia Jones, Noel Park, Bubba Thompson, Holger Regenbrecht, Steven Mills, Dean Whaanga

Ātea – the concept

- Described as **space**, a **wide expanse**, or something that is **clear** and **free from obstruction**
- **Captures the possibilities of this space**, both its hypothetical, imaginary, and its infinitely **unobstructed potential to create new and unrealized mechanisms** with **technologically** advanced tools to **connect Māori** to their **reo, whakapapa, whānau, iwi, culture** and **identity**

Ātea – the aim

- To support **Māori, iwi** and **communities** to **connect** their increasingly globally connected **tribal members** to their **Mātauranga-ā-iwi, reo, tikanga, histories** and **knowledge**
- To deliver to Māori communities a **technology based solution** that provides them with the **means** with which to fulfill their own **cultural, educational, economic** and **environmental purposes**

Ātea – the goal

Conduct impactful and meaningful research with **experts** in **artificial intelligence (AI)**, **virtual and augmented realities (VR & AR)**, **mixed realities**, **machine learning (ML)**, leading Māori academics engaged in **Indigenous data sovereignty** and **digital repositories**, **Māori industry partners**, **tohunga**, **iwi**, **rangatahi** and **collaborators** through a **Kaupapa Māori approach**

Ātea – ecosystem

- Divided into **6 interlinked work packages**:
 - **Ātea Core System**
 - **Reo AI presence**
 - **Telepresence**
 - **Tikanga**
 - **Marae Ātea**
 - **Web**
- Implements a **system to be demonstrated, evaluated and measured for success**

Ātea – Vision Mātauranga Spearhead

- **Spearhead** –VM
- **Exemplar** on how to support the development and conceptualization of VM projects
- **Relational** - Based on building and developing collaborations, networks and best-teams
- **SFTI contracts** that reflect best practice re **IP, Access, Copyright**

Contacts

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te hiku
media



Te Runanga o Awarua



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