

Greater Wellington Regional Council: Collaborative Modelling Project

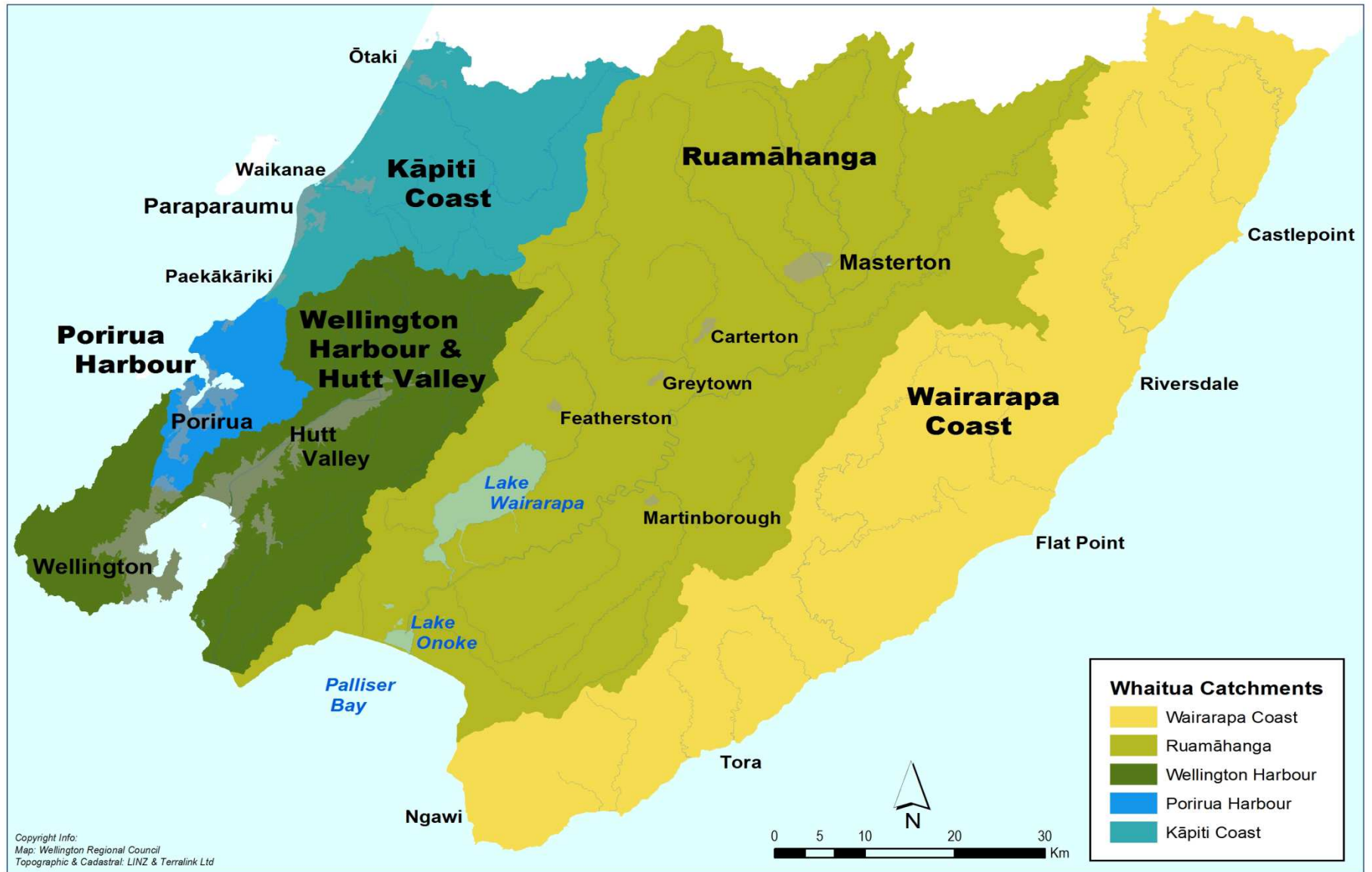
Te Awarua-o-Porirua Whaitua Committee 2 July 2015

Natasha Tomic, senior science coordinator



greater WELLINGTON
REGIONAL COUNCIL
Te Pane Matua Taiao

Whaitua



Collaborative Modelling Project

- **Bringing together the knowledge required to test land use and resource limit scenarios**
- **Mirrors the whaitua process – it is based on consensus**
- **A collaborative modelling hub jointly agrees on what models and knowledge are ‘fit for purpose’ and who is doing what**
- **Delivers trusted knowledge/science**
- **The whaitua committee is ‘the client’ - provides potential management scenario questions**





Modelling

- **Modelling informs decision-making on the potential impacts of setting freshwater objectives and limits**
- **Modelling provides likely outcomes and consequences of policy options**
- **Models are used to fill in the gaps and make best use of data**
- **Models are used to make predictions**
- **A management scenario - what the future may look like for a catchment**

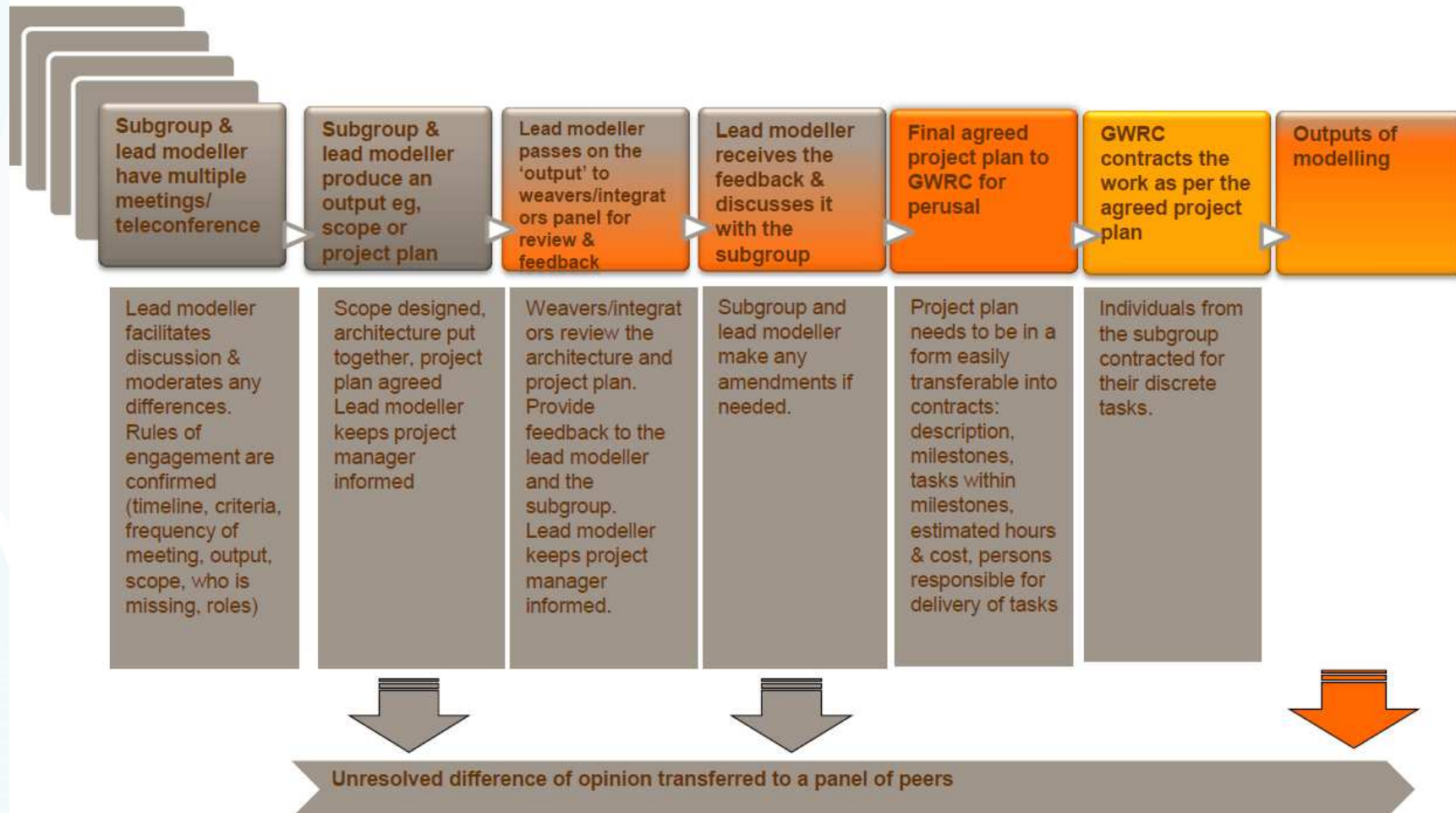


Collaborative Modelling Project

- **Key modelling phases:**
 - **Developing an Overarching Knowledge Framework**
 - **Ruamāhanga whaitua modelling:**
 - Scenarios incl. status quo**
 - Limit setting**
 - Managing to limits (implementation)**
 - **Modelling for other whaitua – Te Awarua-o-Porirua is next**
 - **It is a social process as much as delivering science**

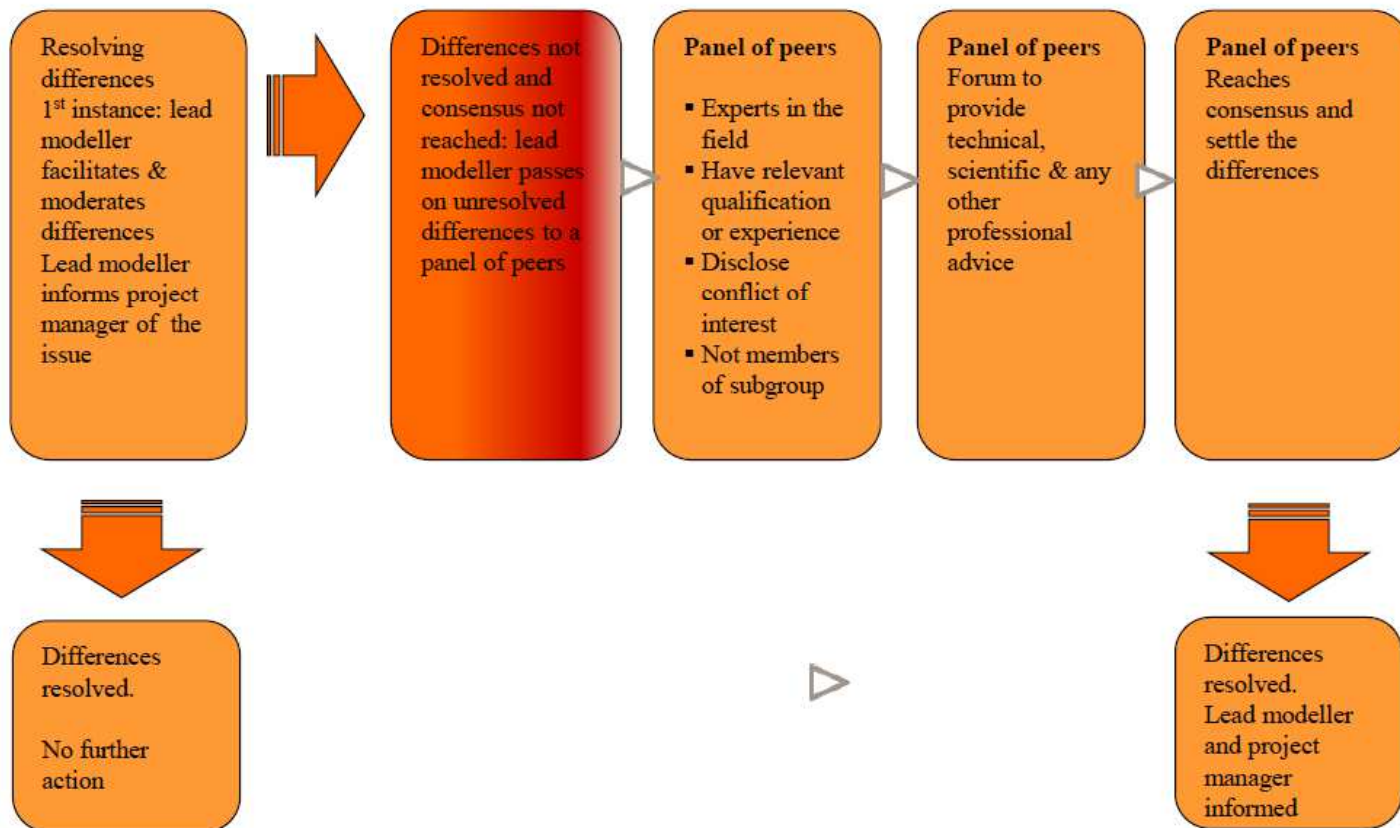


It is a social process



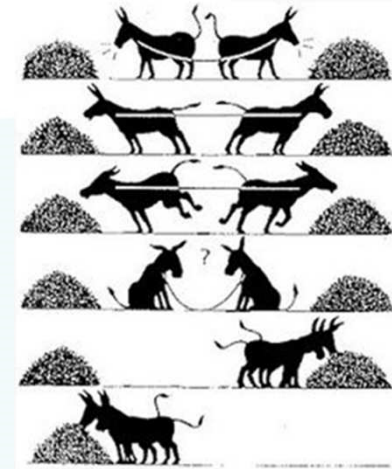
Resolving differences

Unresolved difference of opinion transferred to a panel of peers

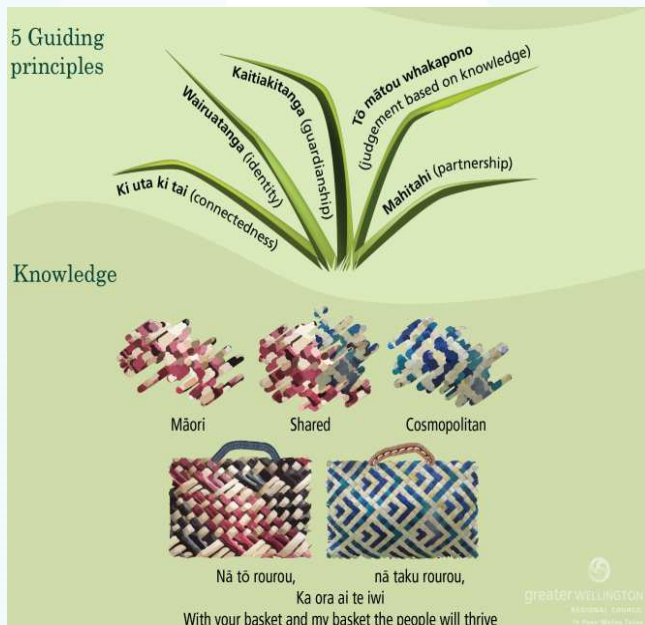


Why we doing this?

- Removes 'my science is better than your science'
- Creates 'our science'
- Drives 'for fit for purpose' modelling through consensus
- Enables co-development = ownership
- The whaitua committees and communities - trust in the outputs, not arguing the process by which we got there
- Better buy-in
- Creates building blocks for future decision-making



What is the overarching knowledge framework?

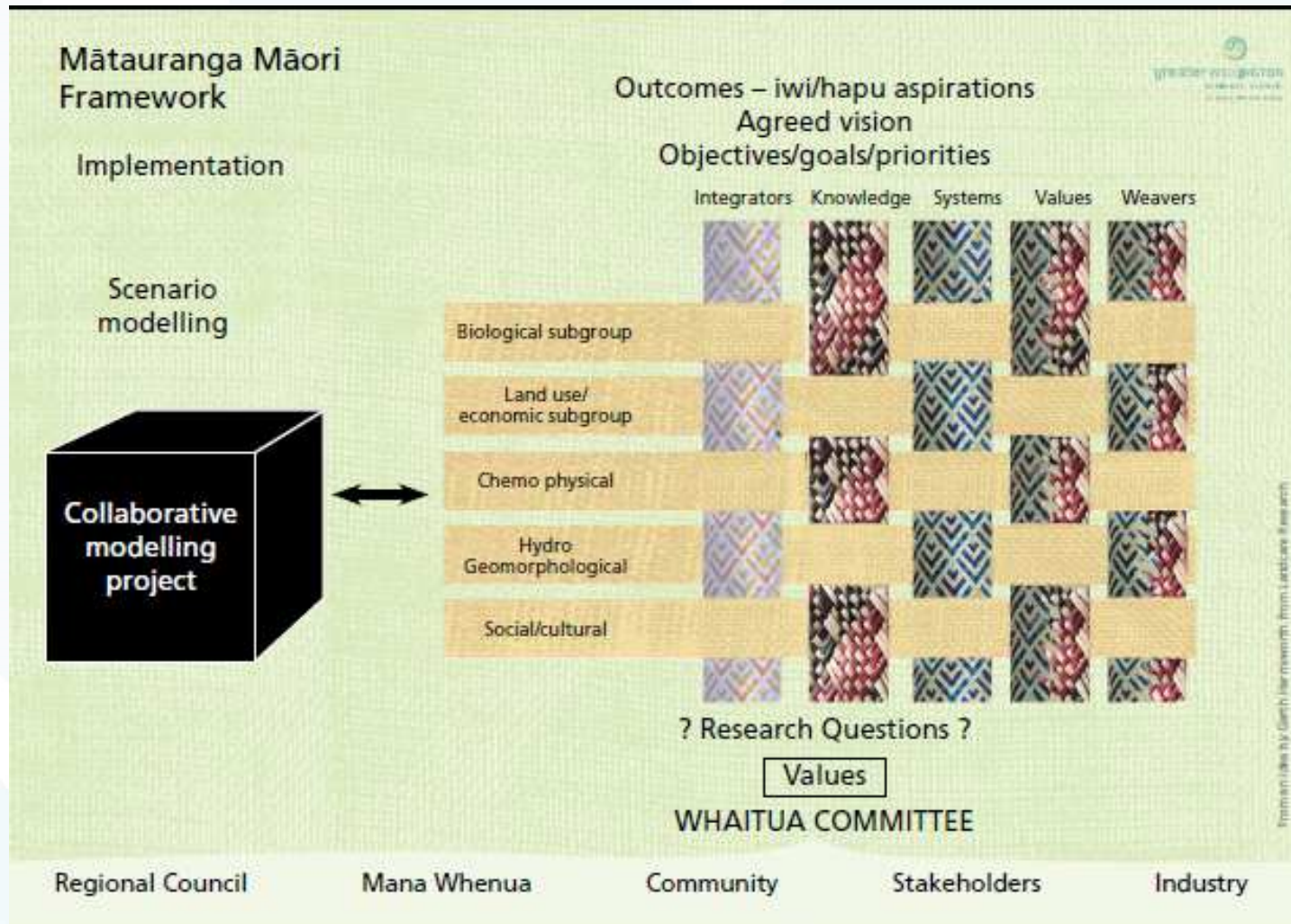


- **Organisation of all knowledge and how knowledge is used to inform the values/limit setting process**
- **A holistic approach – Cosmopolitan/Pākehā and Māori world views**
- **A process to enable information/knowledge to feed into the whaitua values/limit setting process**
- **Conceptual, replicable framework that can be used at any scale**

Five guiding principles



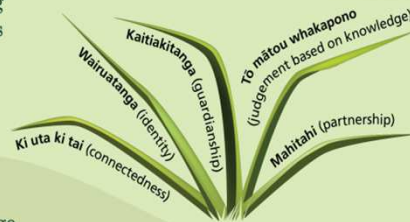
Mātauranga Māori Framework



Matāuranga Wairarapa



5 Guiding principles

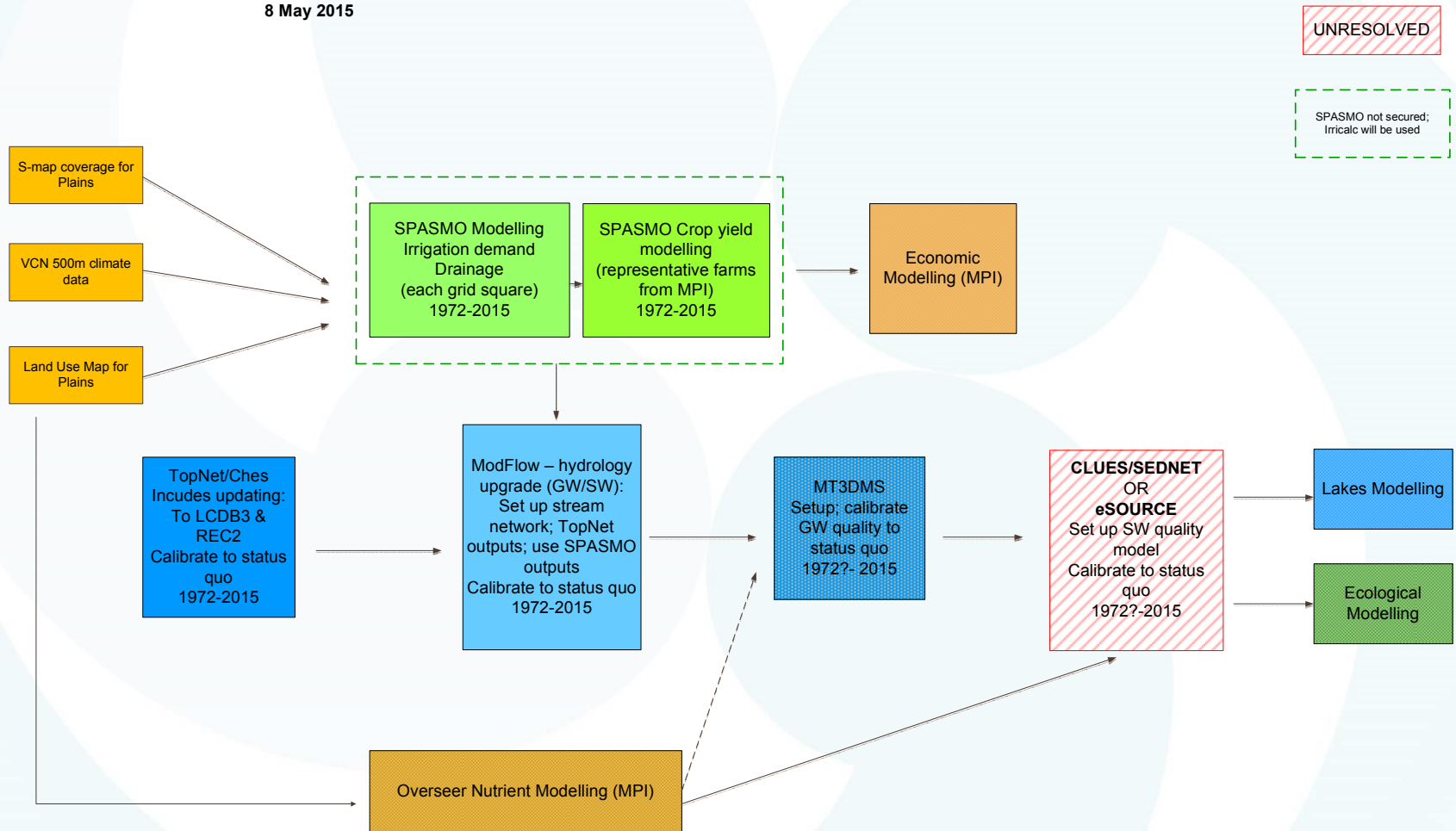


Knowledge



Collaborative modelling

Ruamāhanga Whaitua Modelling Architecture
8 May 2015



What have we learned ?

- **Ensure everyone understands the process & what it involves – ‘have it in writing’**
- **Clear mandate for all parties**
- **Clarify and agree on language & terminology, & their meaning**
- **Organisational buy-in is not enough – secure funding & resourcing**



And still learning...

- **Allow iwi to have their own safe space**
- **Don't try to 'integrate' mātauranga Māori, allow it to have its own space; weave the knowledge in**
- **Allow more time, much more than you think**
- **It is not a sprint it is a marathon**



Thanks

