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#### How LUC is considered in FWFPs?

Jimena Rodriguez, Katie Beecroft

Environmental I m p a c t



### LUC

Systematic arrangement of different kinds of land according to those properties that determine its capacity for longterm sustained production





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#### **FWFPs**

A farm planning process that puts the health of the whenua (land) and wai (water) at the centre of farm decision making. (Ministry for the Environment)



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A farm planning process that puts the health of the whenua (land) and wai (water) at the centre of farm decision making. (Ministry for the Environment)

**Productive capacity** 

Protect water quality

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- landform (eg, slope, aspect, underlying geology)
- climate
- presence of irrigation
- presence of land drainage (surface and sub-surface).





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### Land Use Capability – *Limitations*





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Age

#### Map scale for FWFPs



### Land Use Capability – *Limitations*

Age

Map scale for FWFPs

Do not represent current state of environment





- **Opportunities**
- Updating mapping scale
- **Digitisation** of the **resources** available in each
- RC





#### **Opportunities**

# Impact of climate change on LUC



## **Opportunities**

Incorporation of **new technologies** to **manage limitations** identified by **LUC** 



#### **Opportunities**

#### Incorporating new mapping system







▲ LUC map

#### **Opportunities –** Incorporating new **mapping system**





#### Develop a programme to update the LUC maps



Fit for purpose for resource management plans, freshwater farm plans and regulation



(?)

(?)

#### How can we do it?

#### How can we do it?

Do we have the resources (experts, time and money)?



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#### Work along with RC

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