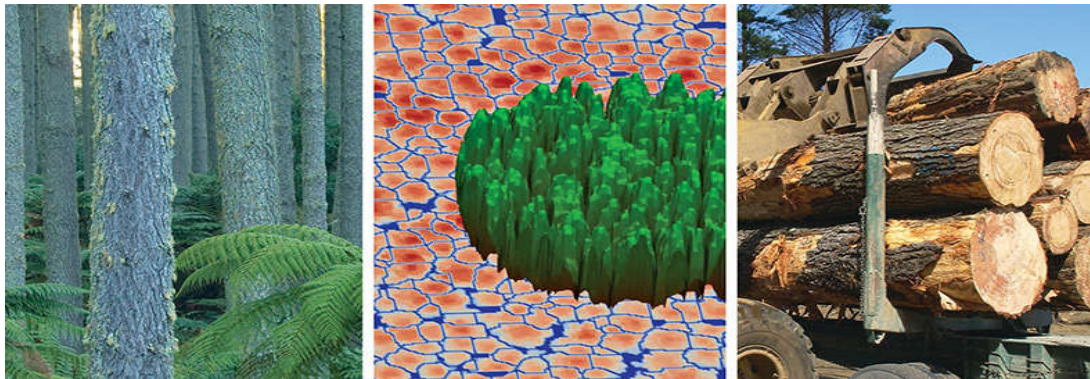


ErodeNZ: the story so far ...

Authors Duncan Harrison:



What is ErodeNZ?

- A **mobile application** to collect erosion and debris flow data
- Provides **actual evidence** of the occurrence and impacts of erosion
- Easy and **offline use** via Android or Apple smartphone



Goal

1. Identification of erosion and debris flow risk.
2. Reduce the window of vulnerability.
3. Identify effectiveness of mitigation measures.



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Constraints

1. Lack of understanding of **Scale and Impact** of erosion and debris flow events
2. Lack of knowledge of the **Performance of Mitigation measures**
3. Inexact science for **erosion risk classification**.



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Impacts

1. Adding science knowledge: being able to back up recommendations for forestry management change with robust science
2. Improve/design forestry harvest plans to minimise risk.
3. Improve the accuracy and scale of current risk classifications.
4. Data to calibrate and improve erosion and debris flows models
5. Develop effective risk assessment and hazard zoning.
6. Minimise the impact of debris flow events, particularly off-site.
7. Minimise the impact of erosion on freshwater values and soil quality.



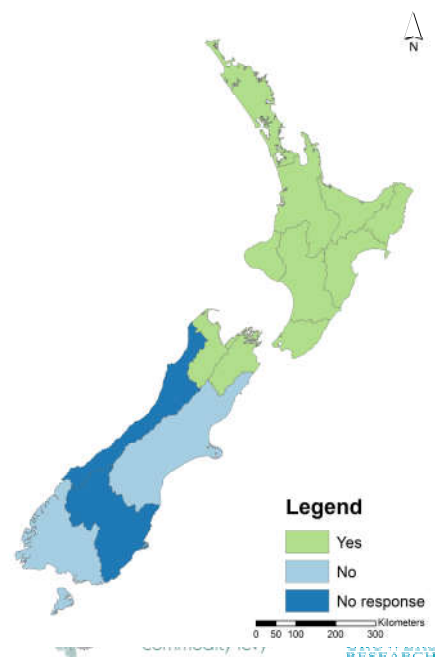
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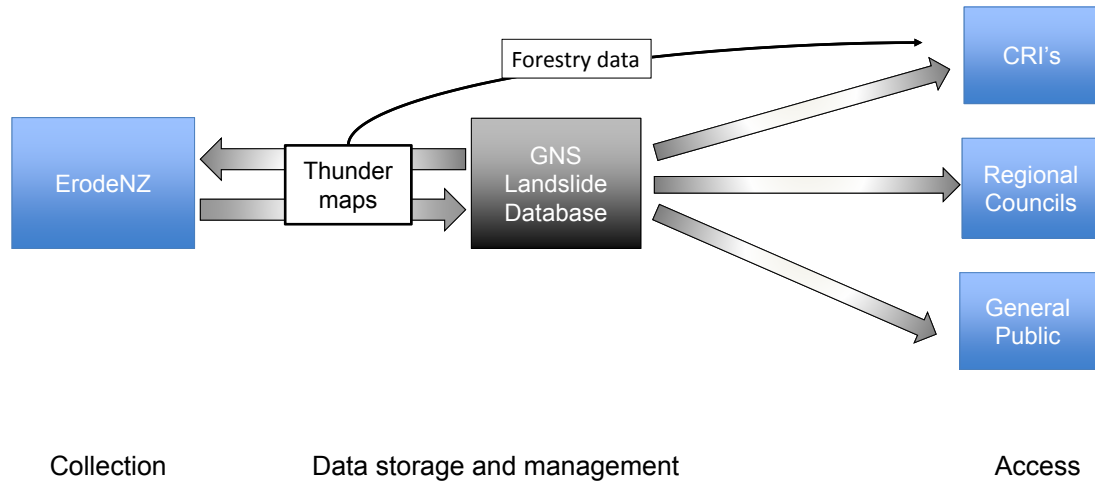
Wider Interest.

GNS and Regional Councils.

- Understand **scale and impact** of erosion and debris flow events



How is the data managed?

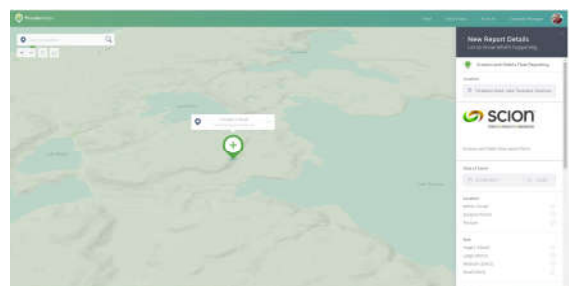
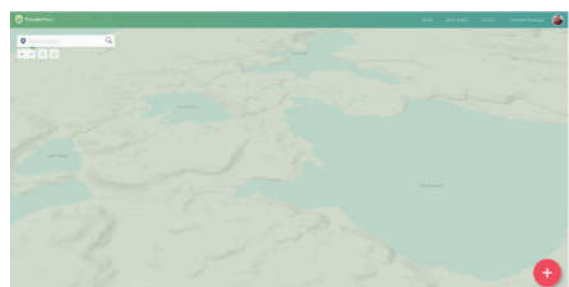


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Can I use ErodeNZ?

- Launch date February/March 2018
- When available the process will be:
- Step 1. Download ErodeNZ from apple app store or Google Play
- Step 2. Sign in
- Step 3. Report



**Growing
confidence
in forestry's
future** Research
Programme



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