



NATIONAL  
LAND RESOURCE  
CENTRE

# National Land Resource Centre

Knowledge and Information on the use of New Zealand's Greatest Asset



Landcare Research  
Manaaki Whenua



# NLRC

## Vision

Enhance the impact of research on the land economy through partnerships and collaboration

## Progress

- Launched concept and website in July 2012
- Building relationships across sectors
- Gathering information on needs
- Establishing business model to ensure long-term future





# Operating areas

## **Strategic programmes:**

- Foresight
- International connectivity
- National partnerships
- National land strategy

## **Enabling programmes:**

- Information gateway
- Capability development
- Science communication
- Research efficiency
- Value from data



Strategic impact...

# Foresight

## Vision

Bring together intelligence to future-proof science, government & business activities in the land economy

## Progress

- Hoping to release first report in the new year
- *Looking for ideas and contributions for future reports*



# International

## Vision

Enhance international linkages to increase New Zealand's connectivity and reputation

## Progress

- FAO Global Soil Partnership
- KBBE Sustainable Agriculture
- Geospatial Standards Committee
- Global Soil Map
- Hosted trans-Tasman soil information workshop
- *Where else should we be linked?*



# National partnerships

## Vision

Develop cross-sector partnerships to deliver greater impact from land-based research

## Progress

- Engaged to determine aims of the NLRC with science government & business sectors
- Currently facilitating a collaborative submission around a national science challenge in the land/water area
- *What else could we/should we be doing?*





# Strategy

## Vision

Facilitate a cross-sector discussion on a national land strategy and underpinning research strategy

## Progress

- Begun discussions
- Working with regional council SIGs (LMF and LMG) on collaborative research strategy
- *What else should we be doing?*



Enabling...

# Information gateway

## Vision

Establish and maintain a one-stop-shop/gateway into NZ's land science, resources, organisations, news and events













## Progress

- Website strategy
- Launch of version 1 of the website
- Social media presence
- *What resources should we be linking to?*





# A gateway to New Zealand's land information and services

Science	Resources	News and Events	Connect
<p><b>Projects</b></p> <p>Across New Zealand a wide range of science projects are taking place in land resources. </p> <p><b>LCDB3</b></p> <p>Landcare Research has announced the release of a new land cover database of New Zealand. </p> <p><b>SLURI</b></p> <p>A collaborative research programme that conducts research on sustainable management and use of soils. </p>	<p><b>Resources</b></p> <p>The one-stop shop to authoritative land resource data, tools, information and services. </p> <p><b>Quantum Map</b></p> <p>NIWA Quantum Map is a free, open source, desktop mapping tool based on the popular Quantum GIS application. </p> <p><b>LRIS Portal</b></p> <p>The Land Resource Information Systems (LRIS) Portal is a repository of authoritative New Zealand science datasets and information. </p>	<p><b>Latest News</b></p> <p><b>Land Use Recovery Plan</b></p> <p>Environment Canterbury has received a direction from the Canterbury Earthquake Recovery Minister, Gerry Brownlee, to...</p> <p><b>Upcoming Events</b></p> <p><b>NZARM Annual Conference 2012. Land Use, Water: A world of Difference</b></p> <p>Further information on this event will be listed here when it is published.</p> <p><b>Latest from NLRC</b></p> <p><b>NZLRI and LUC workshop</b></p> <p>Experts meet to discuss future development of the New Zealand Land Resource Inventory (NZLRI) and...</p>	<p><b>Training Needs Survey</b></p> <p>Help us build capacity across all sectors. Complete our short survey. </p> <p><b>NZ Landcare Trust</b></p> <p></p> <p>NZ Landcare Trust works on a range of field based projects.</p> <p><b>The Great NZ Science Challenge</b></p> <p>This is your chance to have a say on the major Science challenges facing our country.</p> <p><a href="#">Join the debate!</a> </p> <p>Follow Us   </p>



Science

Resources News and Events Connect

Home > Science > Land, water and soil

## Land, water and soil

Healthy soils and appropriate land use underpin sustainable New Zealand's ability to neutralise greenhouse gas emissions. Intensified pastoral agriculture is putting pressure on land. Zealand's soils are of low natural fertility. Because of this, which it is being changed, it is important to monitor and use the most advanced and specialized methods, tools and are remote sensing systems. These instruments, many map-like and wa making such as a geog sustain

Climate, energy and contaminants

Ecosystem processes and services

Land, water and soil

Land cover and resource mapping

Land-use and capability modelling

Soil and landform characterisation

Soil and water

People and environment

Projects

Related resources

- LCDB3
- Our Environment
- SINDI

Science Resources News and Events Connect

Home > Resources

## Search all resources

About us | Contact us | Our collaborators Search...

NATIONAL LAND RESOURCE CENTRE

Science Resources News and Events Connect

Home > Resources > Tools > FarmsOnline

## FarmsOnline

Provided by FarmsOnline

FarmsOnLine is a one stop shop for accurate up-to-date contact details for rural properties in New Zealand. It gives MAF instant access to information so it can respond quickly to a biosecurity alert or natural disaster. FarmsOnline also provides rural information to help land owners learn about land use in their area. It can be used to get a detailed view of land use and biosecurity information.

Visit farmsonline.maf.govt.nz

### About this resource

Type	Tools	Science theme	Land, Water and Soil
Provider	FarmsOnline	Contact	<a href="#">Visit contact page</a>
Provider group	Central Government	Creation date	26 June, 2012
Region	New Zealand	Last updated	3 July, 2012



Knowledge and information on the use of New Zealand's greatest asset.

Home | About us | Contact us | Conditions

Science Resources News

News and Events

Latest news

What's on

Latest from NLRC

Courses and training

Tell us what's on.  
Did we miss something? Tell us about it.

ADD AN EVENT

NOVEMBER 2012

M	T	W	T	F	S	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

**What's on**

**NOV 12 13** **NZARM Annual Conference of Difference**  
13th Nov 2012 - 28th Nov 2012, Otago, NZ  
Further information on this event will be listed  
[Read more](#)

**NOV 12 24** **Geosciences 2012**  
24th Nov 2012 (all day), Hamilton, NZ  
The conference will showcase the broad range in New Zealand and abroad.  
[Read more](#)

**NOV 12 26** **Public Presentation of**  
26th Nov 2012, Wellington  
On 26 November the Wellington Regional Council ideas for managing our region's natural resources  
[Read more](#)

**NOV 12 27** **Kirkham Conference**  
27th Nov 2012 (all day), Palmerston North  
The conference will cover contemporary soil properties of soils, relating structure to function diversity and ecological economics.  
[Read more](#)

**DEC 12 1** **Joint ASSI and NZSSS**  
1st Dec 2012 - 2nd Dec 2012, Hobart, T  
Soil Science Australia and the New Zealand NZSSS Soil Science Conference.  
[Read more](#)

Science Resources News and Events Connect

Home > Search > Map View

## Search map

Search  for

- FILTER YOUR SEARCH -

Active Filters **Organisations**

List View **Map View**

Showing 1 - 10 of 121 results matching wellington

- Grow Wellington**  
Grow Wellington was set up as a result of the Wellington Regional Strategy (WRS) which was developed by the nine local authorities in the region.
- Department of Conservation - Wellington-Kapiti**  
The Department of Conservation (DOC) is a government department which was formed under the Conservation Act 1987. This DOC website has information that relates specifically to the Wellington-Kapiti region.
- Wellington City Council**  
The Wellington City Council is responsible for a wide range of services for their district include looking after their community, local roads, water, sewerage and refuse collection, libraries, parks, recreation services, local regulations, community and economic development, and town planning.
- Wellington Tenth's Trust**  
The Wellington Tenth's Trust was established to

1 2 3 4 5 6 7 8 9 10 >

Only resources with a defined geographic area will appear on the map.

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# Capability development

## Vision

Build NZ's capability to understand and use land science across science, government and business sectors





## Progress

- Professional development survey - establish needs and form
- Commenced engagement with training providers
- Will be a focus for Q1-2 of 2013
- *How close are we to a crisis regarding capability?*





How much do you agree with the following statement. There is a need to build capacity in soil and land resource science and/or management in my organization?

		Response Percent
Strongly Agree		34.0%
Agree		45.3%
No Opinion		17.0%
Disagree		3.8%
Strongly Disagree		0.0%





# Science communication

## Vision

Provide access to customised, easily consumable and fit-for-purpose information for policy, business and science users



## Progress

- Analysis of business users needs for land information – content and form - completed
- Analysis of Regional Council users needs for land information – commencing
- *What are your ideas for how we could make science more usable?*

# Research efficiency

## Vision

Facilitate more efficient research operations across the sectors

## Progress

- Discussions with SLUA on development of best teams
- Review with SLUA and IGNS of current research landscape
- Discussions with IGNS and Scion on national field coordination
- Embarked on building science projects 'database'



# Value from data

## Vision

Maximise the value from past and future land resource data held across the sectors

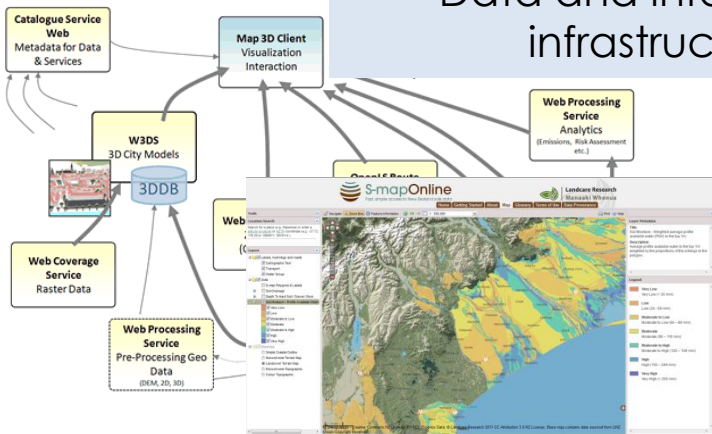
## Progress

- Discussions with NIWA on opportunities for common data infrastructure
- Involvement in cross CRI discussions around improved data management
- *What are the data barriers to better decision making?*

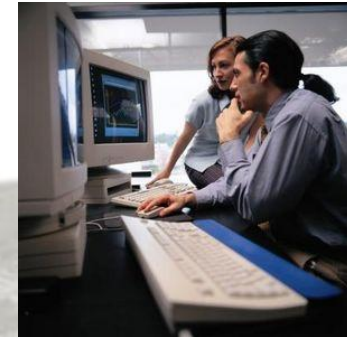




## Data and information infrastructure



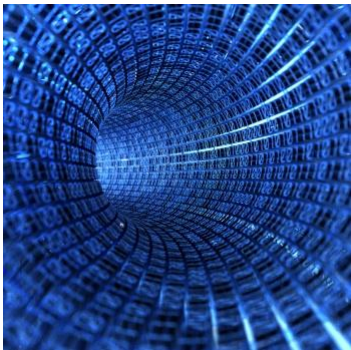
Authoritative data sets from many providers



## Value from data

Technological innovations

Promoting data stewardship & best practice

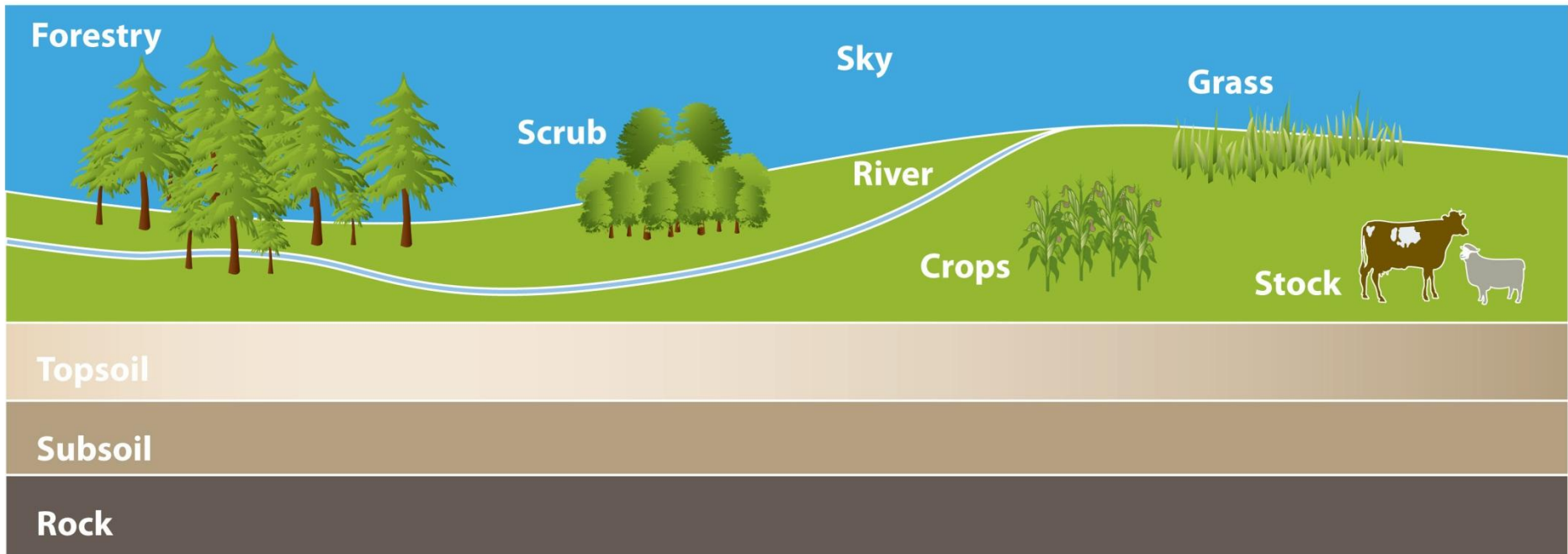




# The commitment we ask

- Bring us ideas on how we can achieve our vision and help you
- Advocate for us amongst your networks
- Liaise with our content manager to make NLRC website an invaluable resource – add content!
- Complete our professional development survey to help identify where and how we can build capability
- Consider us the first port of call on issues facing land resource





# What outcomes do we want for NZ land resources?

Productive forests  
without water  
quality issues  
downstream

Eco-tourism  
based on our  
healthy  
landscapes

Don't want our  
soils and food  
chains to be  
contaminated  
with Cd

1. Take some post-its and describe (blue for positive, pink for negative)
2. Put them on the pretty picture where they best fit
3. Sit down and have a rest

# What can the NLRC do for you?

Run a training course on how to use different land management models

Develop a land information system to assist with rural lending decisions

Bring together a single soils evidence base from across CRIs

1. Take some post-its and write what you need (yellow for 1-2 years, green for 3-6 years)
2. Put them on the pretty picture where they best fit
3. Take a festive treat!



Thank you...

*Question and Answer time*

but first prize giving