Overlook data portability at your peril

Why standardising data is the future
About me

• Agricultural software 27 years
• Founded Rezare Systems in 2004
• Product development mobile, models
• Livestock management, genetics, pasture
Our data-rich world

• We like to measure – some things
• Not always so good at interpreting

• Manual at farm scale
• Huge opportunity for innovation
Sensors and silos

• Unclear “ownership”
• Confusion over meaning
• Sharing without permission?
• Unable to share
Encouraging innovation in farm data

Farm Data Code of Practice
Transparency around rights to data and policies

Farm Data Standards
Common vocabulary for farm data

DataLinker
Framework to share data with farmer permission
Farm Data Code of Practice

Transparency
• Understandable Terms & Conditions
• Rights to data
• Sharing: who and how

Practices
• Security policy
• Privacy and controls

www.farmdatacode.org.nz
Farm Data Standards

Common vocabulary to describe farm data
“Namespace” for identifiers

Covering
- Animals
- Land Applications
- Financials, Accounts
- Pasture and Feed
- Irrigation and Effluent
- Farm and Model Data
- Spatial Entities
- Health & Safety

www.farmdatastandards.org.nz
Data Linker

Framework to share data with farmer permission

• Providers have data to share
• Consumers can use data

www.datalinker.org.nz
Data Linker

Register of:
• Provider services and
• Consumer applications

Protocol includes:
• Schemas for common sets of data
• Licences between parties
• Dynamic registration
• Farmer permission (OAUTH) and tokens
• Data flows directly

www.datalinker.org.nz
Next Steps

• Apply for accreditation: Farm Data Code of Practice
• Participate in developing Farm Data Standards
  • Spatial Entities and Attributes     April
  • Health and Safety               April-May

• Integrate using DataLinker protocols
  • Technical specifications available now
  • First partners integrating April-May
  • Get involved in schema development
Thank you

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