



AgHack

powered by **MINISTRY OF DATA**

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Presented by:



Department of
**Primary Industries and
Regional Development**

CHALLENGE TITLE

Helping make sense of agricultural data

How might we better

Collect and collate farming data from different sources in different formats to enable better decisions and precision agriculture?

CHALLENGE STORY

Farmers have access to more data sources than ever before (including yield maps, soil tests, electromagnetic soil mapping, on farm weather stations etc) to gain a detailed understanding of the different conditions around their farms . Enabling them to strategically plan which crops to plant and what inputs to apply to optimise production.

Many of the sources of data are based on different data formats or paper records and while some integration software exists it is often clunky and only adopted by highly tech aware farmers.

This means most farmers are manually making sense of the different data or saving it to computers and not using it.

Providing a simpler way for farmers to collate and manipulate the data would mean reduced costs and the ability to adopt more precision farming practices.

Scale/Potential:

HIGH

Currently low data interoperability and poor user interfaces are preventing large scale use of data and adoption of smart systems.

Data Description & Source

- Header data
- Spatial layering data
- Normalised difference vegetation index data
- Weather data
- Competitive examples

Mentors & Contacts

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