AgHack
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Presented by:

Department of
**Primary Industries and
Regional Development**

GOVERNMENT OF
WESTERN AUSTRALIA

CHALLENGE TITLE

Monitoring the rangelands

How might we better

Monitor the condition, health and usage of WA's pastoral rangelands?

CHALLENGE STORY

DPIRD monitors the condition and health of the pastoral rangelands of WA which comprises nearly two thirds of the State.

The Rangelands are dominated by large scale pastoral leases for livestock production and the mining industry.

DPIRD monitors the condition of the rangelands using remote sensing backed up by field based assessments. The cost is in the ground-truthing.

Improving the accuracy of the remote sensing will decrease monitoring costs and give pastoral lease managers close to real-time estimates of carrying capacity within paddocks or by watering point.

We need a MyWeedWatcher App for remote sensing.

Scale/Potential:

HIGH

We need to be able to detect the quality of palatable pastoral plant species using remote sensing data This can be used to determine carrying capacity for livestock.

It will help land managers improve management, productivity and profitability

Data Description & Source

- GIS Data
- Satellite data
- Unstructured research notes and databases on the actual monitoring

Mentors & Contacts

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