

28 July 2023

The Australian Feedbase Monitor and PastureKey Services –

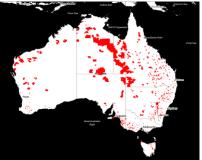
new tools for managing your feedbase

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For the Occupant Design Part of the Company of the

Farm and supply chain reporting / benchmarking

National industry reporting

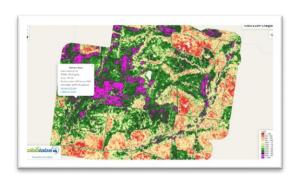


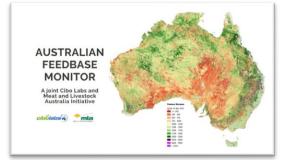
Field data collection systems

SAMSUND

CIBOLO35 Pulaccabowas

CIBOLO35 Pulaccabowas





Paddock pasture monitoring

National, state, industry services

CeresTag animal tracking



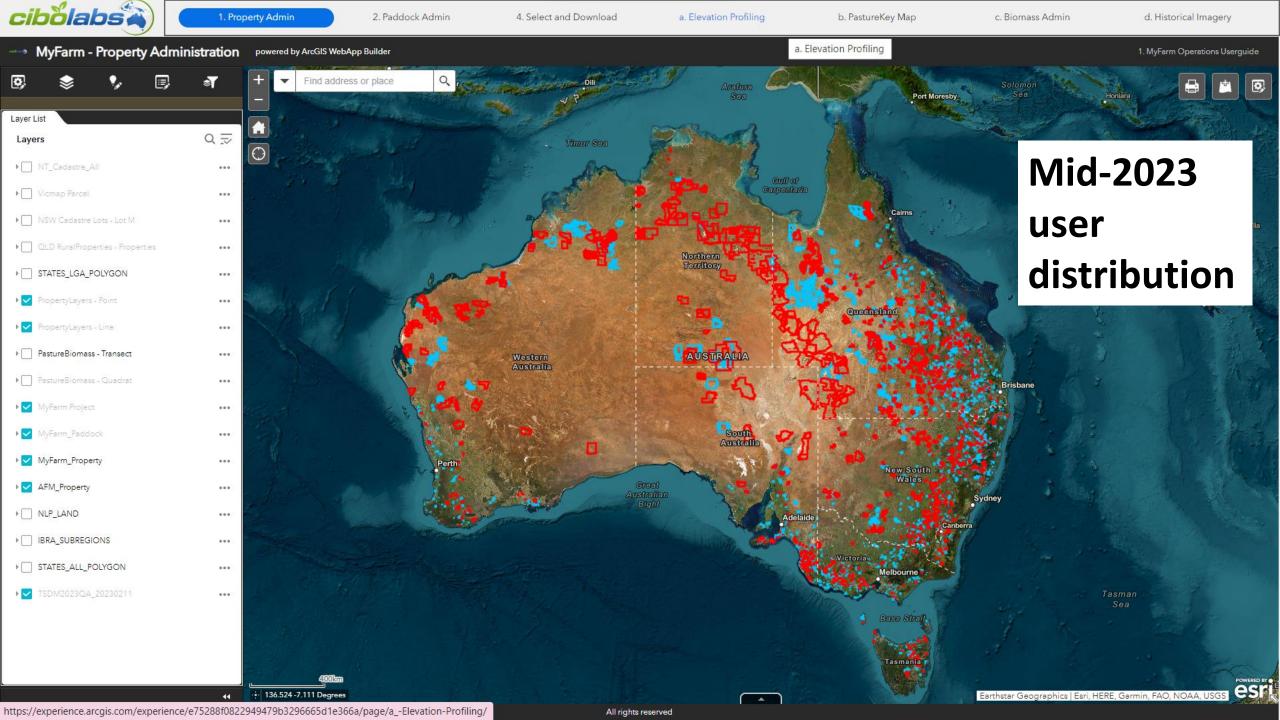
Farm mapping systems

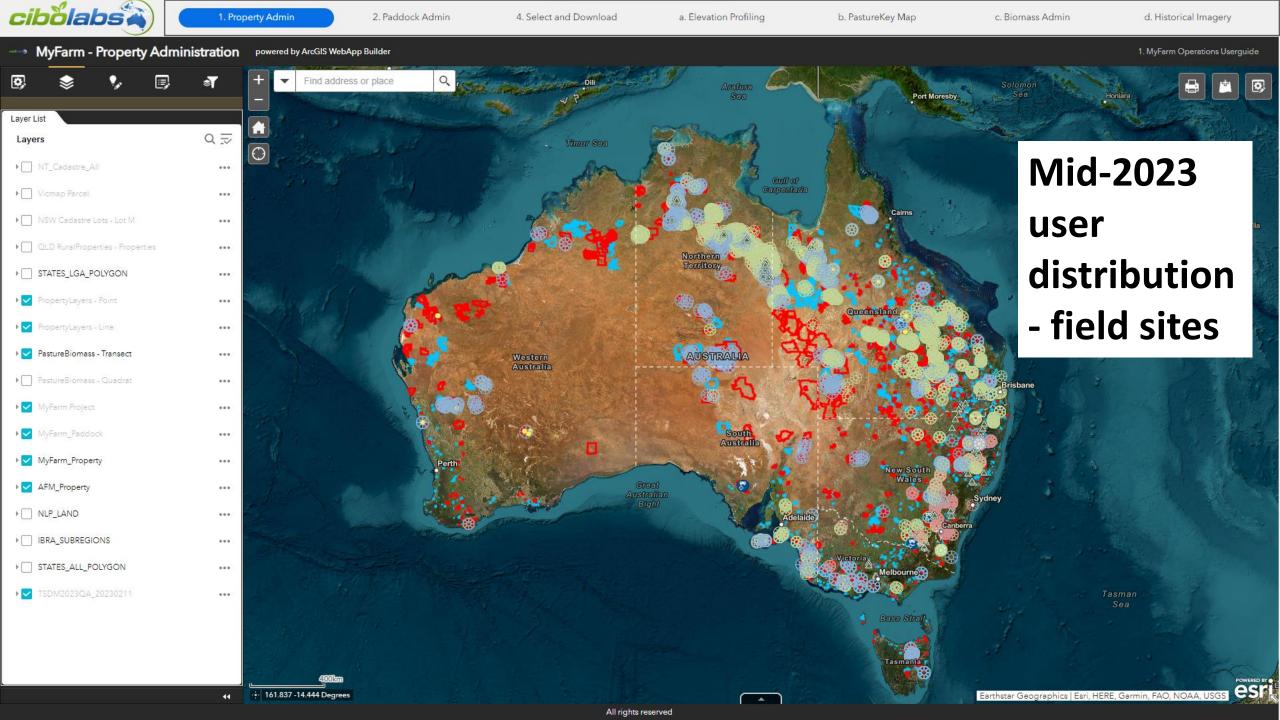


Long-term collaborative R&D

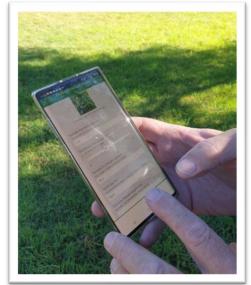


Cross industry integration









~6000 sites and counting





The Australian Feedbase Monitor



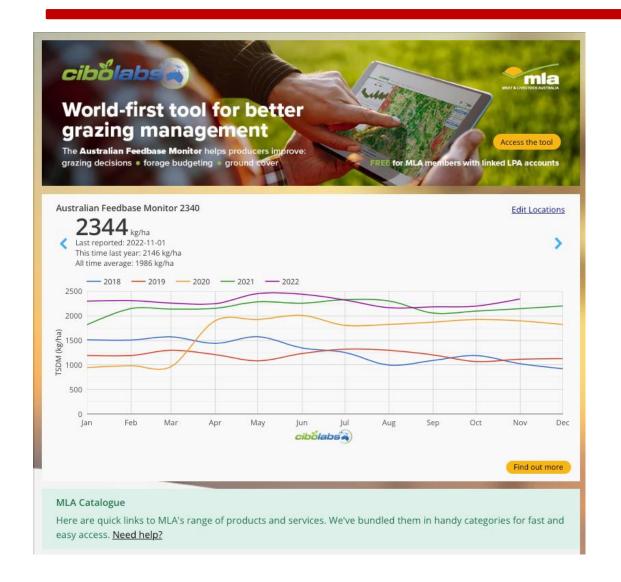
Overview

- The AFM is a \$4.7m co-funded (50:50)
 investment by Cibo Labs and the MLA Donor
 Company to deliver industry-wide benefits.
- Objective, consistent and repeatable feedbase assessments for every farm, every month.
- Creating a foundation for "spatially-enabling" the industry.





Using the AFM





Create myMLA Account

A myMLA account will allow you to access all your MLA information



Link your LPA Account

Your LPA is needed to link your property or properties. You can link through the myMLA account



Access the AFM

Click on find out more go to the Cibo page



Complete your details



Live demonstration

Using the Australian Feedbase Monitor







cibőlabs 🙀

1. Farm Details

TassieDemoFarm

2. Farm Address

Street Address

Liffey Road

Suburb

Bracknell

Postcode State

TAS

7302

Or

Upload a farm boundary file.

Choose file No file chosen

Accepted file types: .json, .geojson, .kml

3. Select Parcels



Locate your property on the map and select one or more polygons that make up your property.

On the map, left click to select a parcel of land, left click it again to de-select it.

20 Parcels selected:

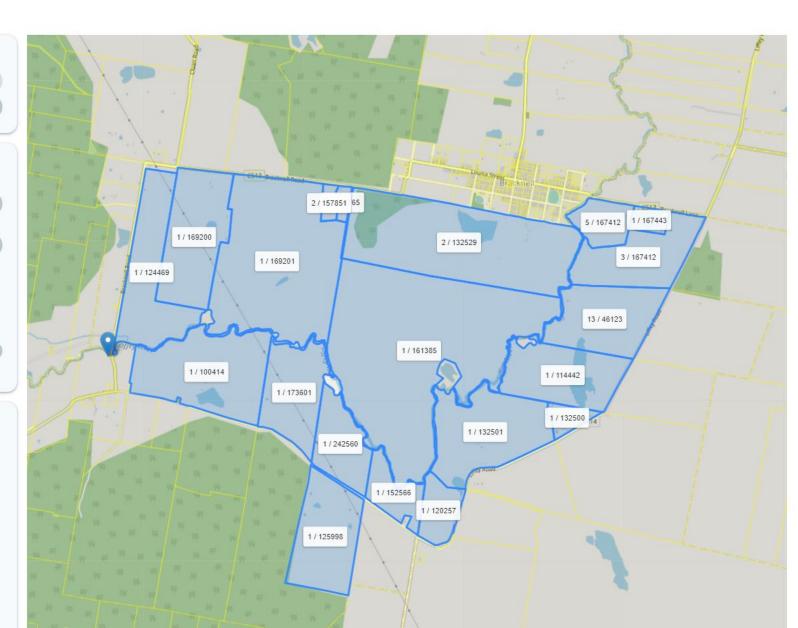
1 / 132500 3 / 167412 1 / 169200 1 / 242560 1 / 125998

1 / 161385 13 / 46123 1 / 173601 1 / 167443

5 / 167412 1 / 124469

1 / 100414 De-select all

1 / 169201 1 / 152566 1 / 120257



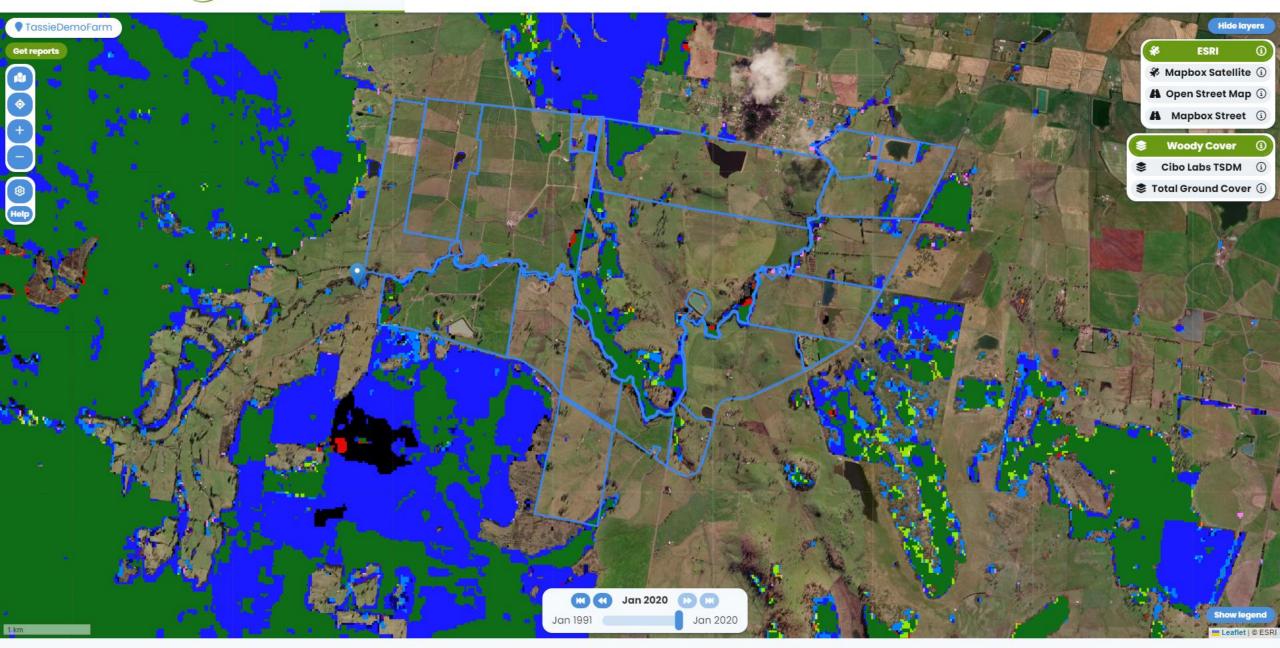


View Farm ✓

Products >

Knowledge base





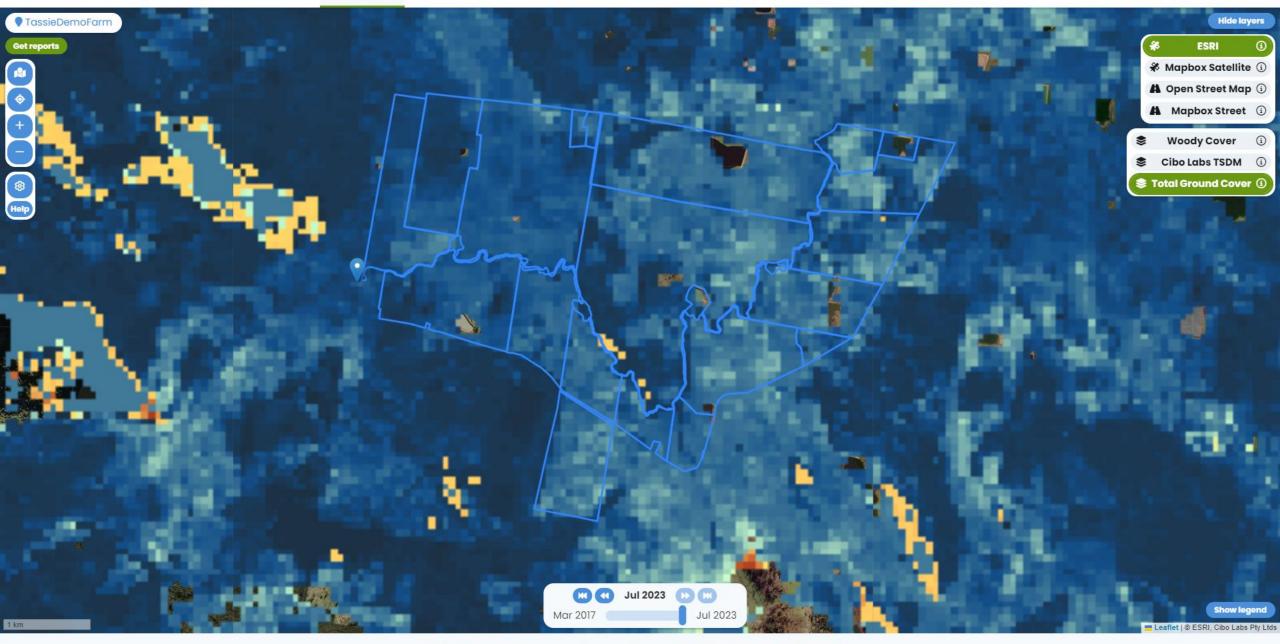


View Farm ✓

Products >

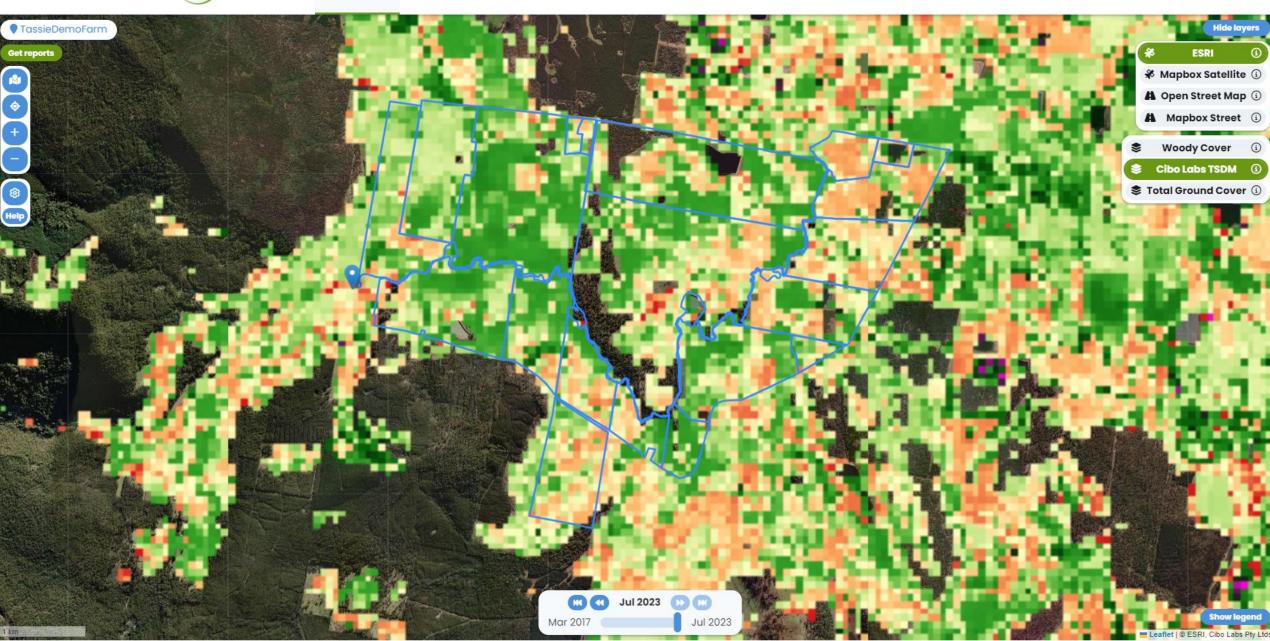
Knowledge base News







Dashboard View Farm Y Products Y Knowledge base News About Contact

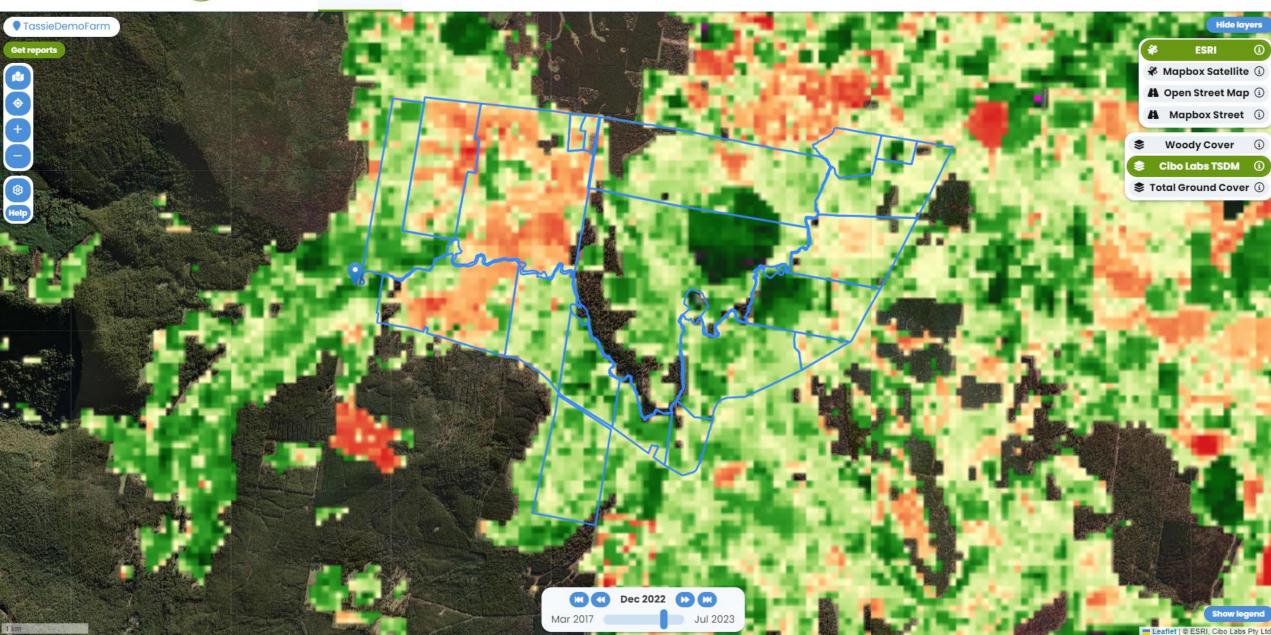




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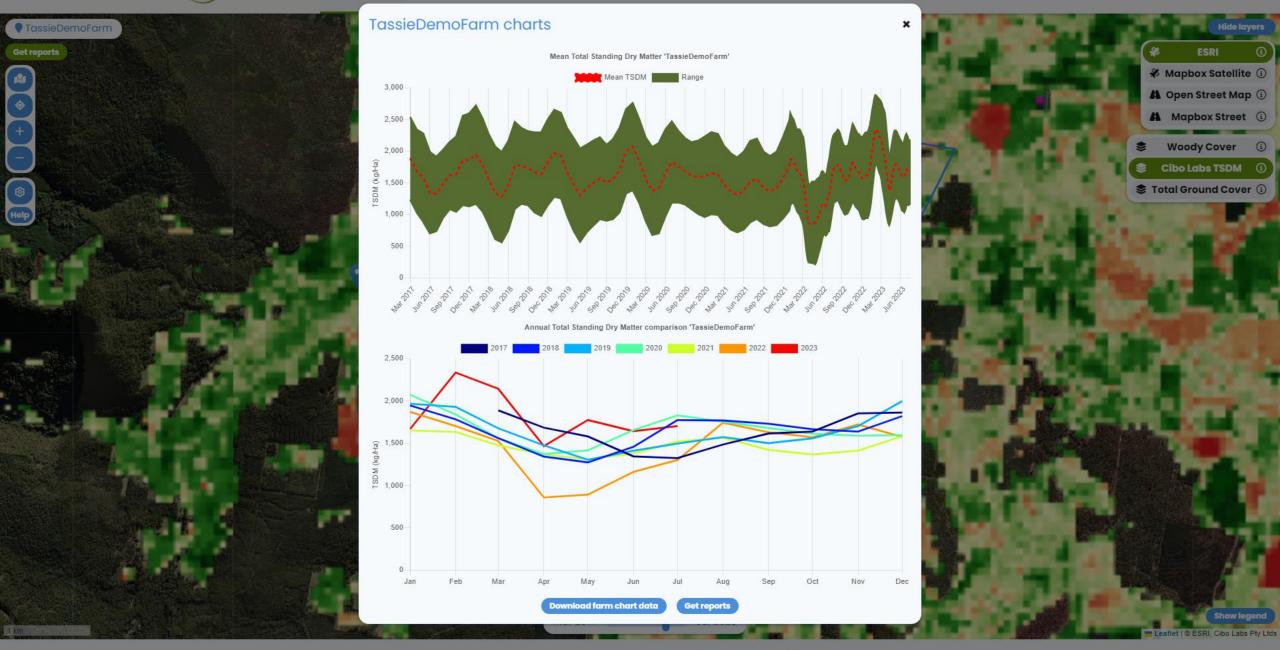
Products ✓ Knowledge base News About





Dashboard View Farm > Products > Knowledge base News About Contact





Feed demand calculator















Welcome to the MLA Feed demand calculator

This calculator shows you how closely your herd or flock demand matches your pasture growth.

It calculates, for each month of the year, the total feed demand of all the cattle and sheep on your property. You can then compare monthly demands to the likely supply of pasture. Use this tool to show you how much of your pasture your livestock are grazing, how big your pasture shortage or surplus at various times of the year might be and how many kilograms of liveweight you produce per hectare.

Instructions

Background information and how to use

Read more about the purpose of the pasture improvement calculator and how to use it effectively.

READ INSTRUCTIONS

2. Livestock inventory

Create your current livestock scenario

Create an inventory of all existing, purchased and sold livestock for your given enterprise.

SIMULATE LIVESTOCK

1. Pasture simulation

Create your current pasture scenario

Select pastures based on your location and set the type and area that is available in each month.

SIMULATE PASTURE

3. Feed supply and demand

Revise key performance indicators

Produce graphs showcasing the monthly feed demand versus supply as well as the key performance indicators.

This calculator was developed for MLA by CSIRO, with DJM Livestock Consultants P/L and PSA Services, and is based on the more detailed decision support tools, GrazFeed and GrassGro.

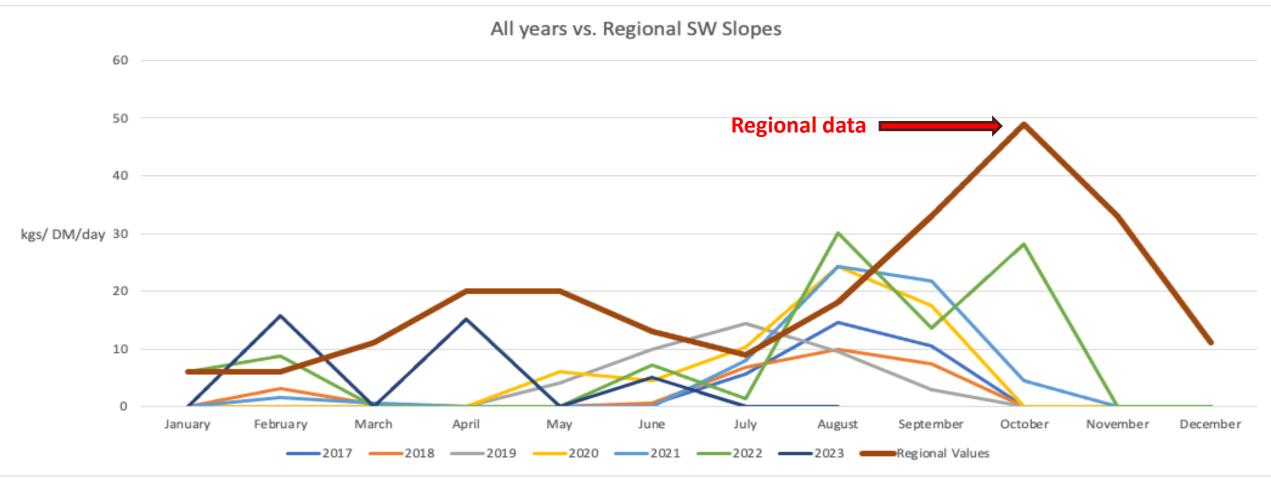




HOME INSTRUCTIONS PASTURE LIVESTOCK FEED FTOOLS



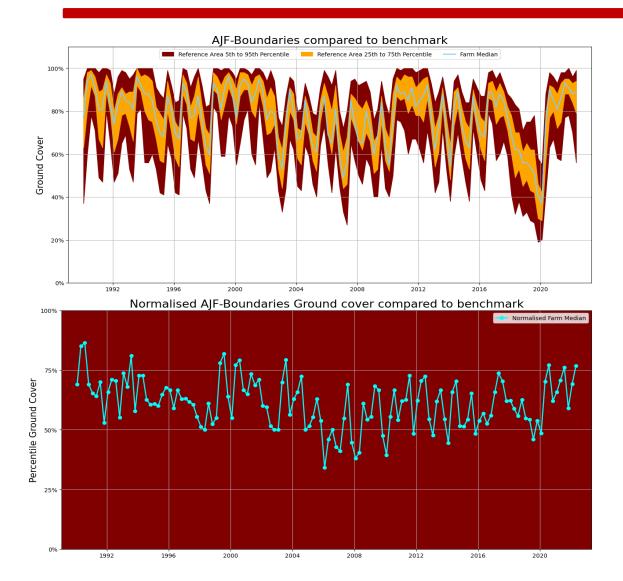
Feed demand and supply based on regional and local data

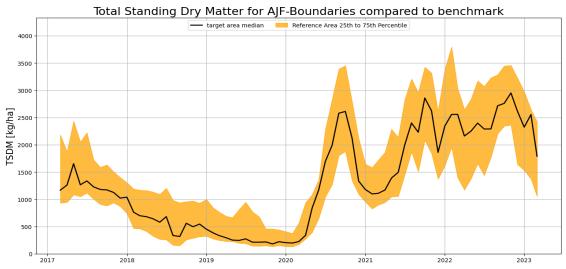


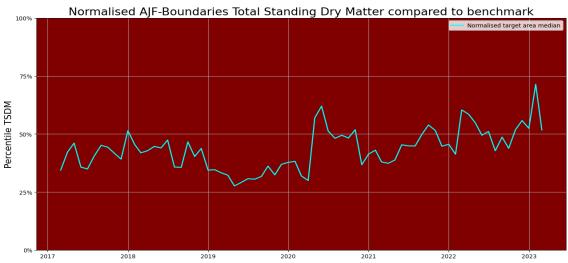




Pasture growth analysis and benchmarking

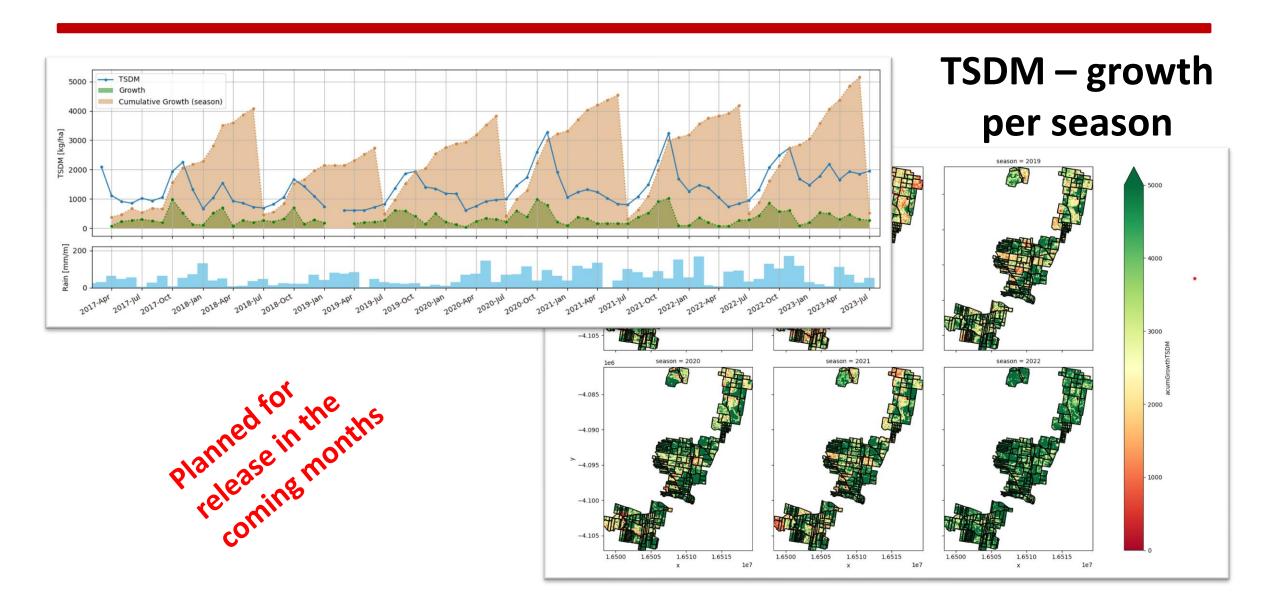


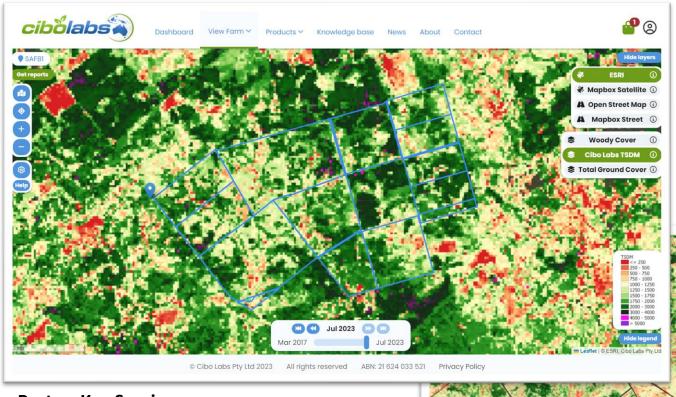






Pasture growth analysis and benchmarking



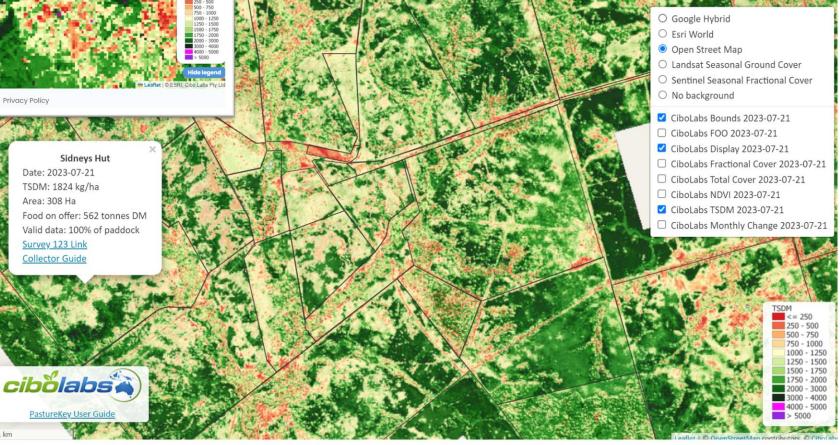


Australian Feedbase Monitor

- Land Parcel and Farm Level Reporting
- 1ha resolution
- Rolling monthly estimates on a 5-day interval

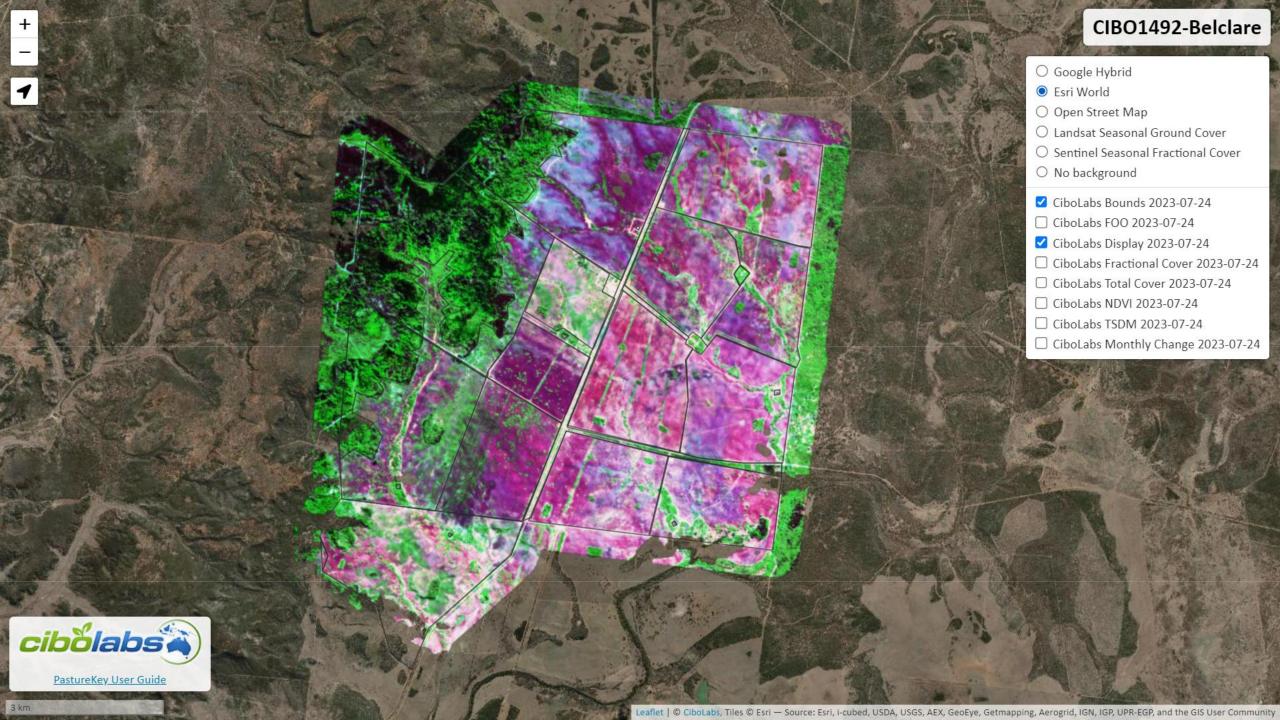
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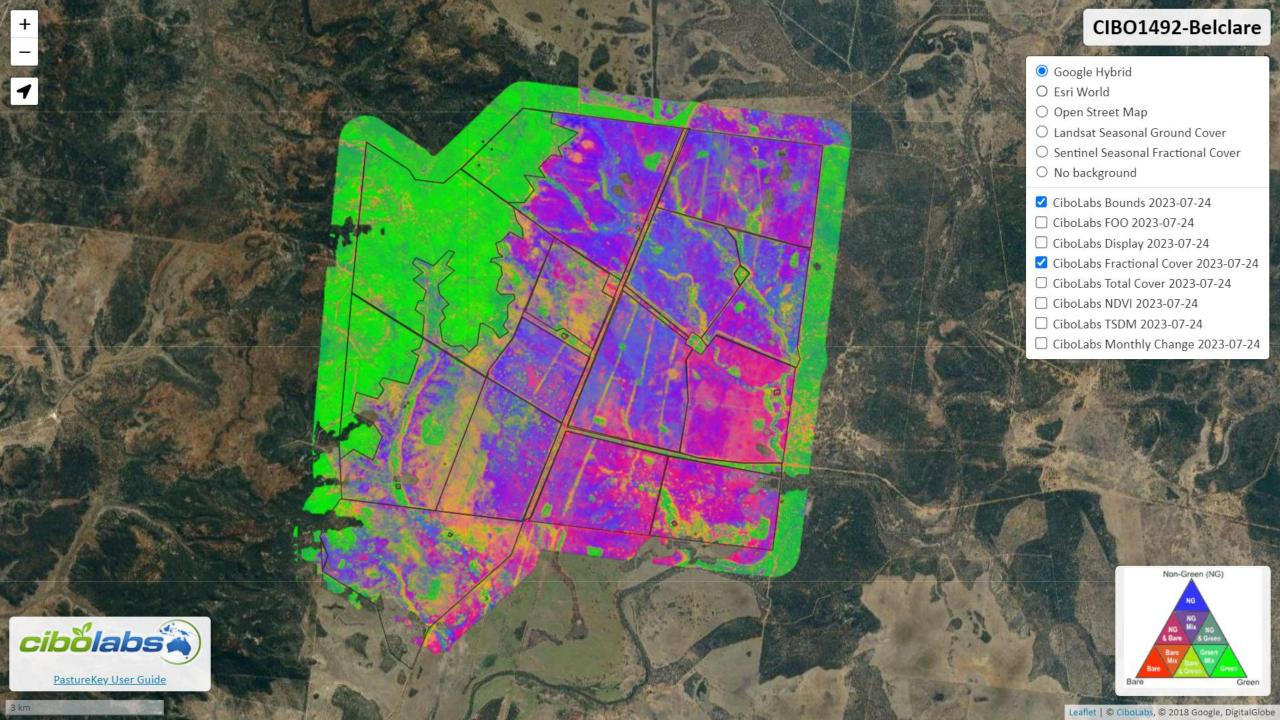
Strategic planning, analysis and reporting.



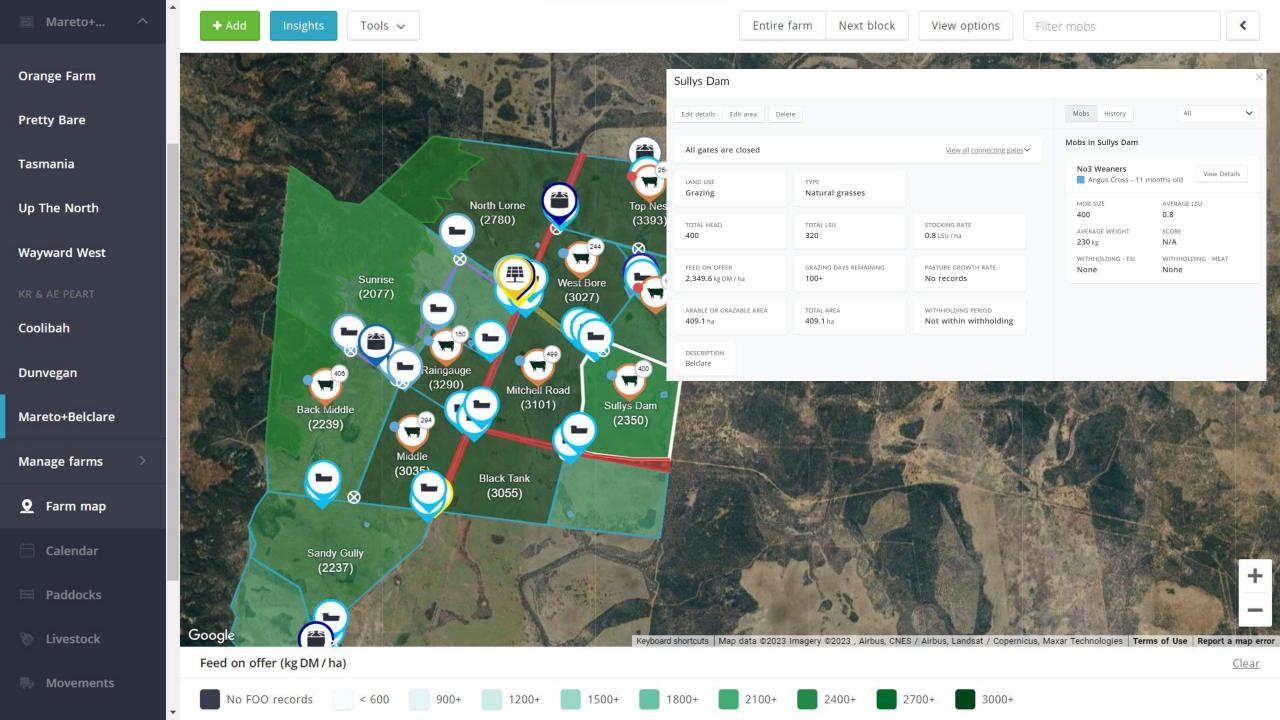
PastureKey Service

- Paddock level analysis and reporting
- 10m resolution imagery inc. multispectral, Fractional Cover and Biomass (TSDM)
- Rolling 5 day and 15 day estimates updated every 5 days.
- Tactical, paddock-to-farm level forage budgeting (MAE of <250kg/ha), decision support and reporting
- Data sharing across platforms such as AgriWebb.











Take home messages

- 1. The AFM offers all producers access to accurate, regular and objective assessments of pasture biomass at farm-scale.
 - A world-first capability that needs producers to engage in improvement.
- 2. The PastureKey Service provides paddock level estimates of pasture biomass at paddock scales for tactical decision making.
- 3. PastureKey integrates with Agriwebb and other systems.
- 4. A number of natural capital and environmental credential reporting systems are available and under development.
- 5. Use the information to add value and accuracy to your decisions and with other tools such as feed budget and stocking rate calculators.





Tools, resources & training

www.cibolabs.com.au

Documentation

https://support.cibolabs.com.au/en/knowledge

www.mla.com.au/mymla

 https://www.mla.com.au/extension-trainingand-tools/





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