Phantoms in the Rangelands
DESERT CHANNELS QUEENSLAND

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Pathway

TO SUCCESS

MAPPING AND PRIORITISATION

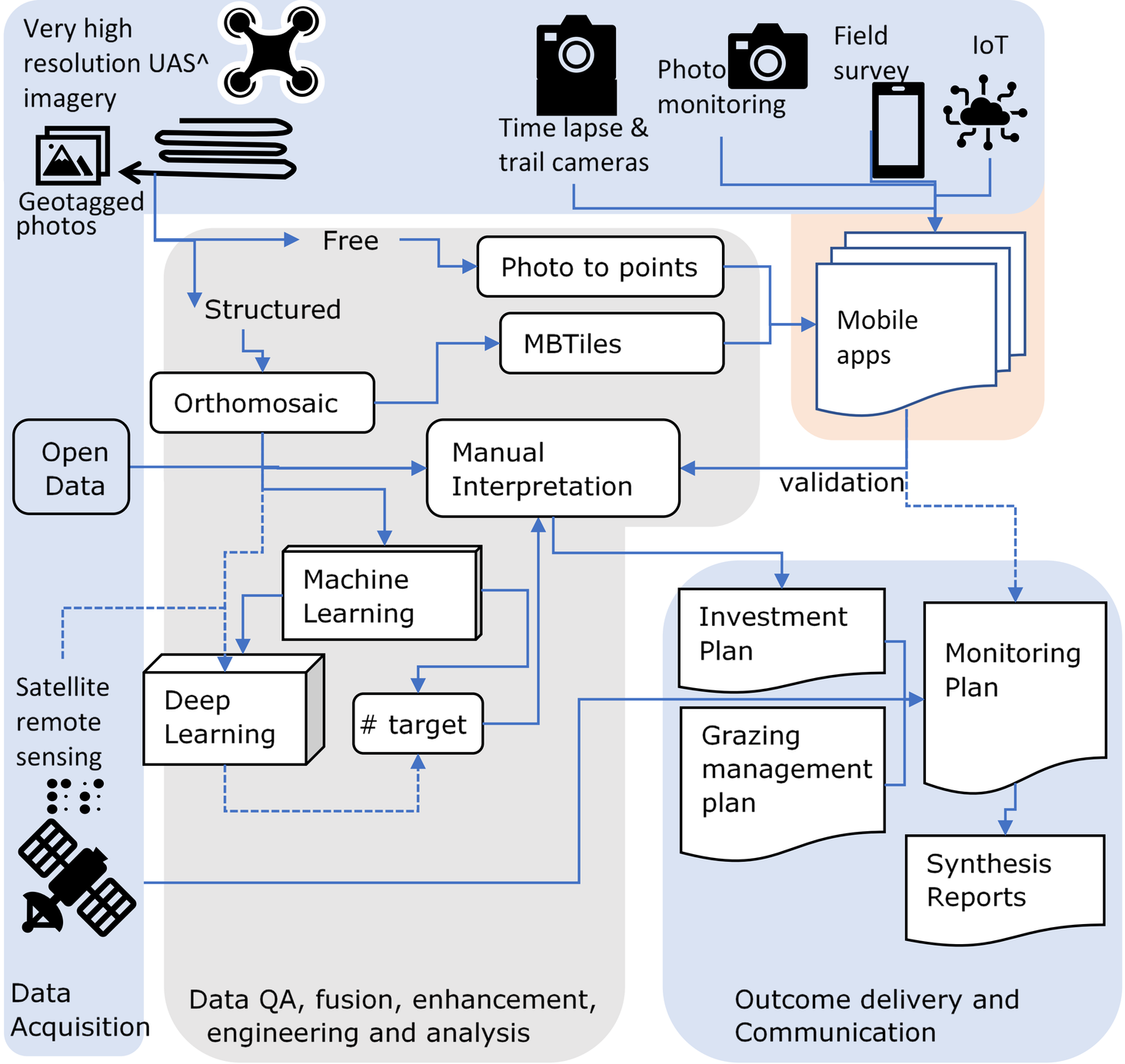
REGULATORY TOOLS TO SUPPORT EFFICIENT CONTROL

INNOVATIVE SOLUTIONS

MONITORING AND EVALUATION

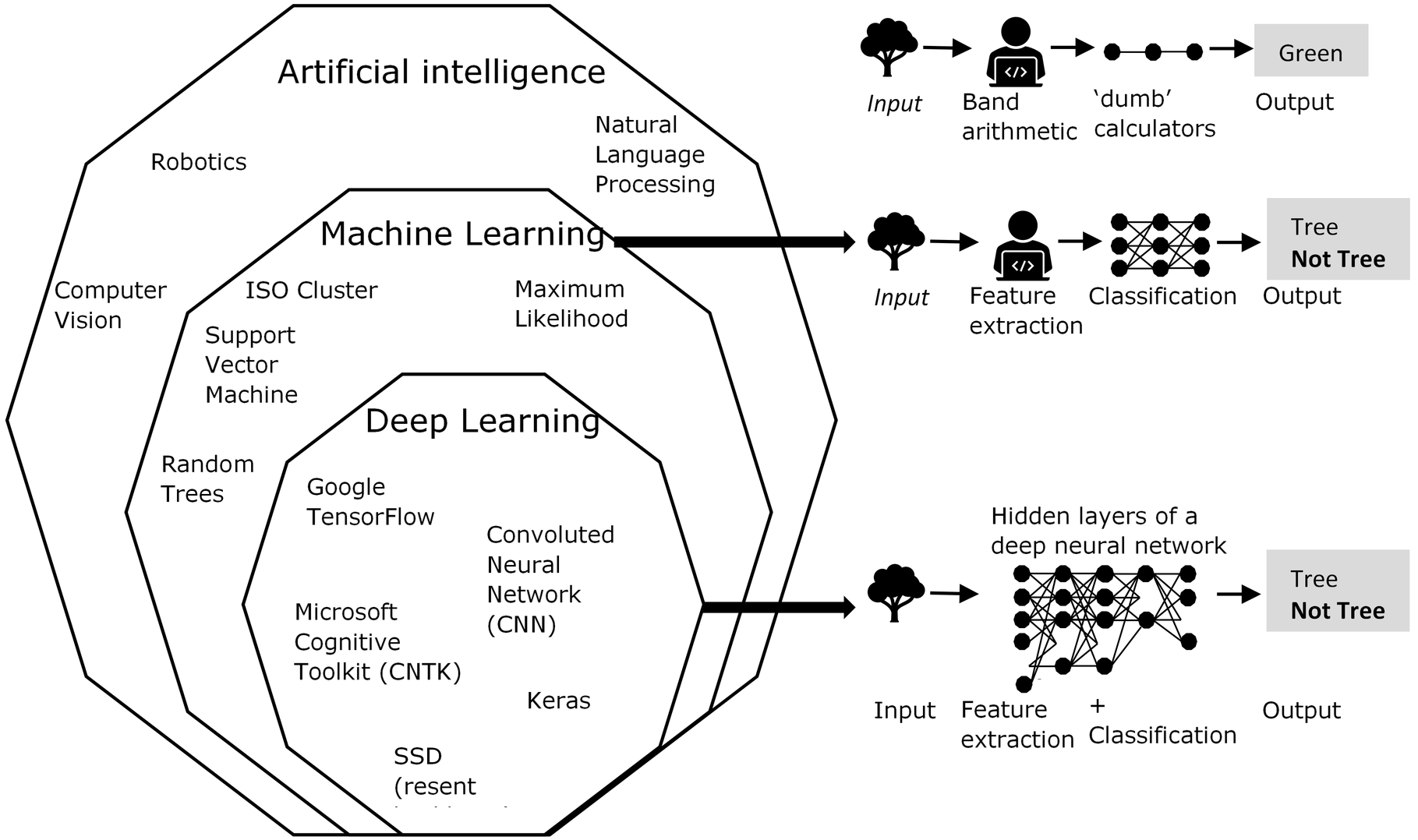
Data Collection

EFFICIENT



Computer Algorithms

KEY CONCEPTS



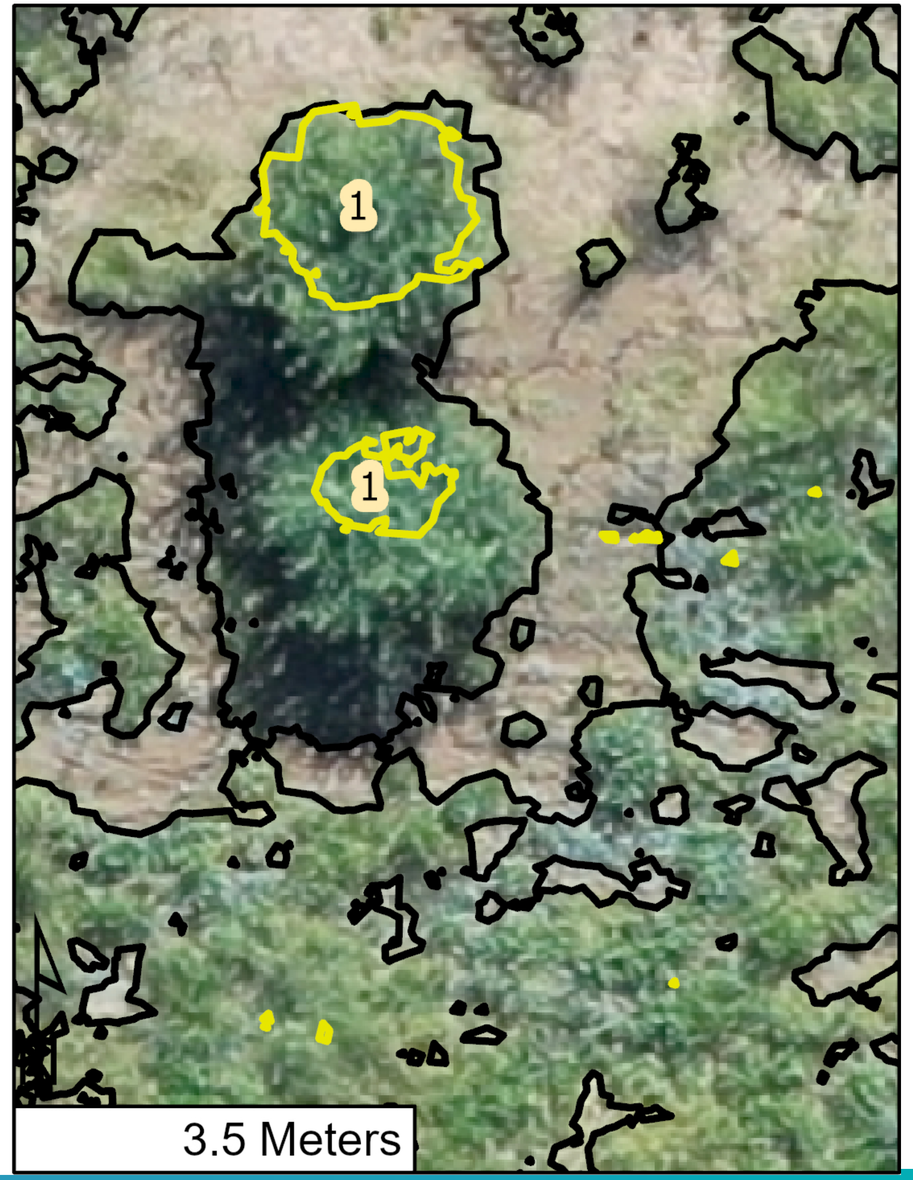
Map Prioritisation

SURVEY AND DATA COLLECTION

Mapping

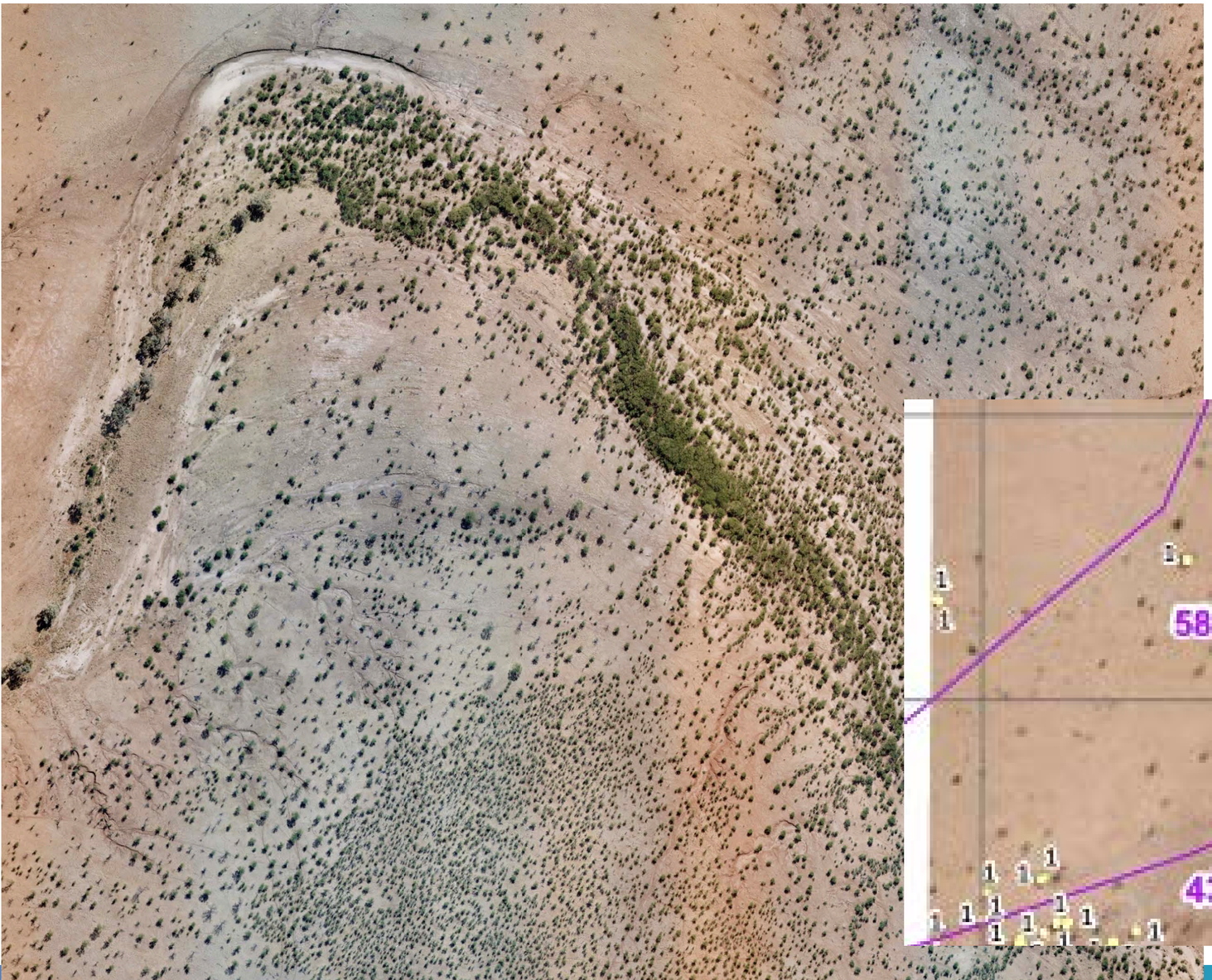
BASIC CALCULATOR: CHANGES IN GREEN COVER

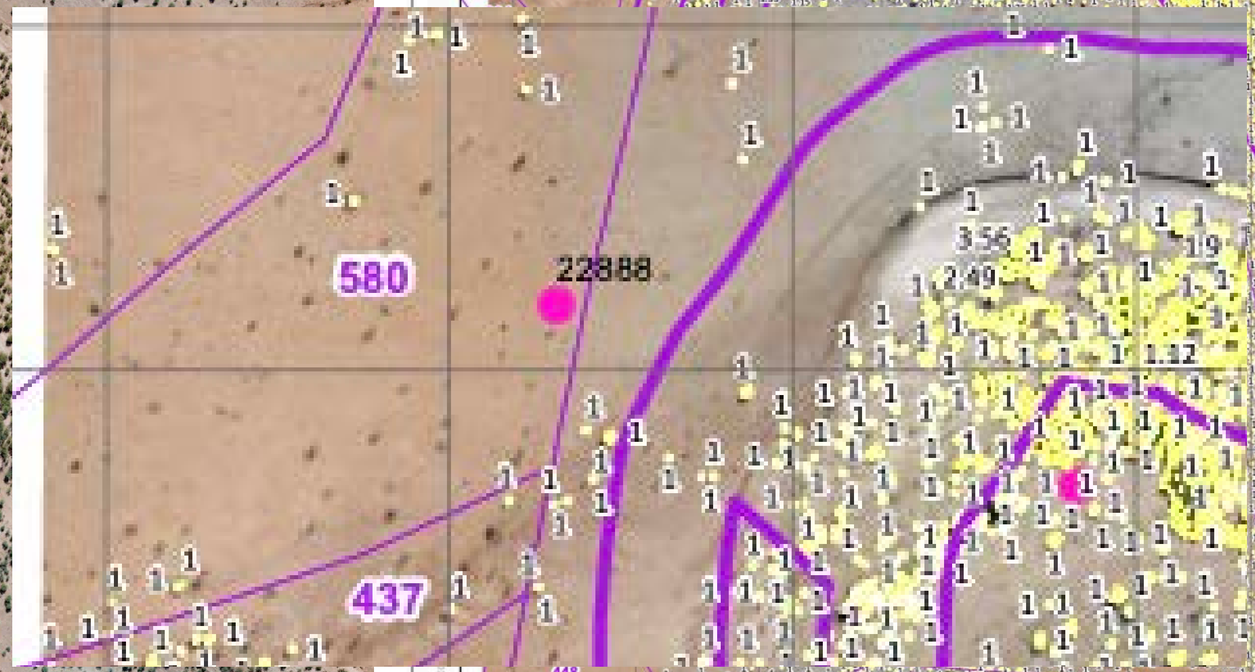
- Visible atmospherically resistant index
- (G-R)/(G+R+B)
- Designed for satellite imagery. Minimal sensitive to atmospheric effects, allowing for vegetation to be estimated in a wide variety of environments, accounts for the presence of blue in its calculation of spectral data (Gitelson, Kaufman, Stark, & Rundquist, 2002).
- Binary output



Mapping and Prioritisation

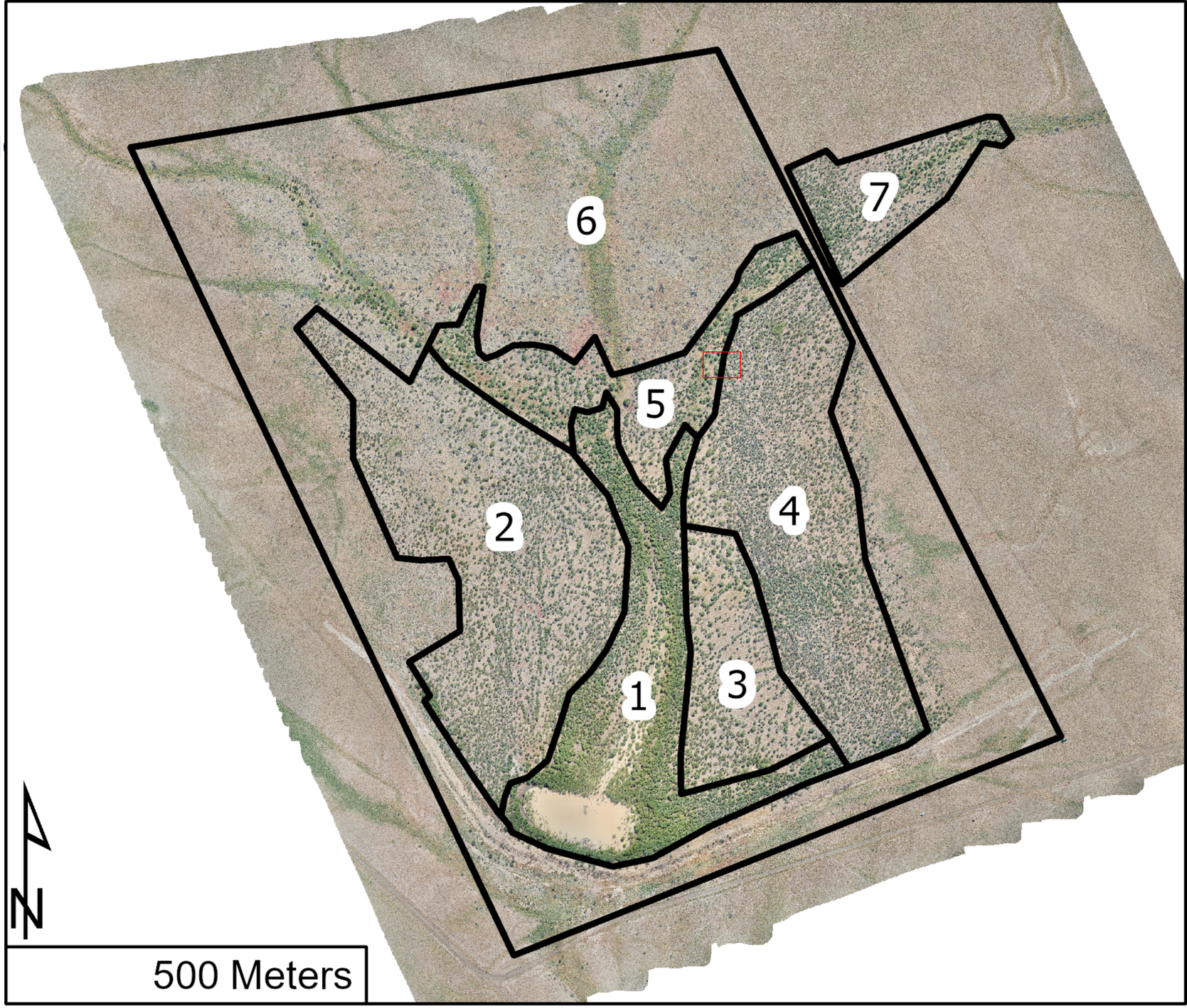
MACHINE LEARNING

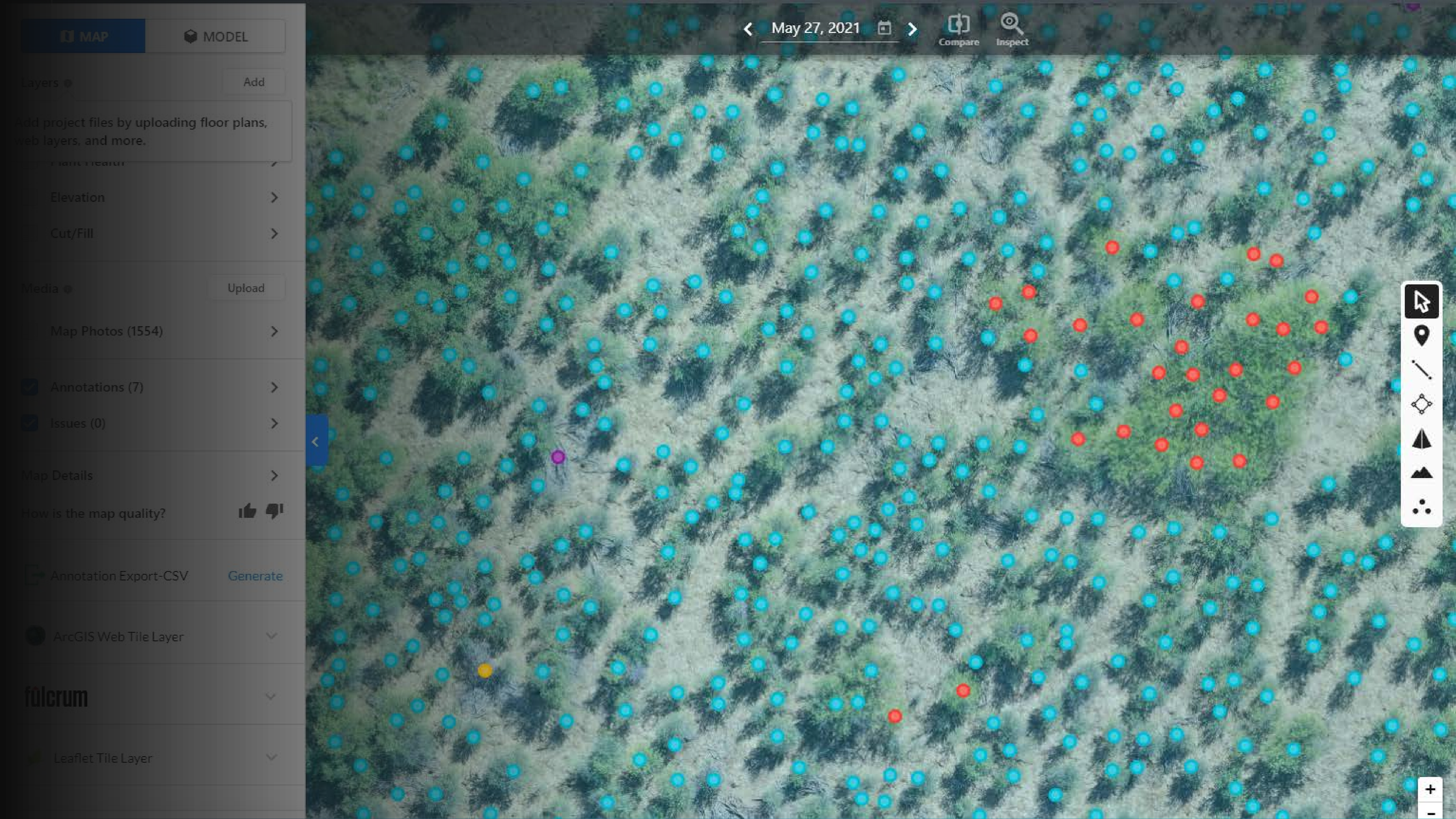




Mapping

DEEP LEARNIN

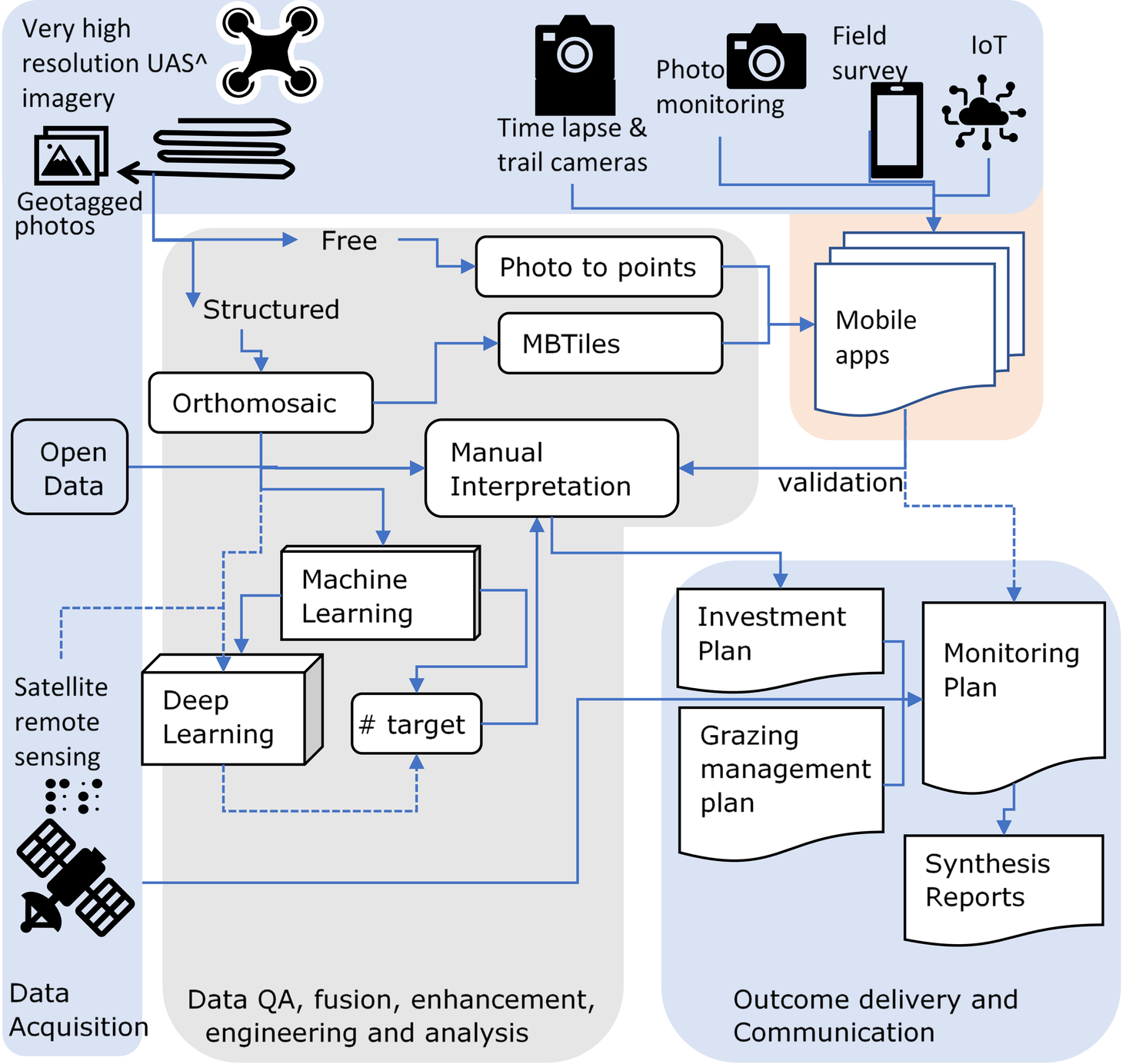



MAP
MODEL
Layers
Add
Add project files by uploading floor plans, web layers, and more.
Elevation
Cut/Fill
Media
Upload
Map Photos (1554)
Annotations (7)
Issues (0)
Map Details
How is the map quality?
Annotation Export-CSV
Generate
ArcGIS Web Tile Layer
fulcrum
Leaflet Tile Layer
May 27, 2021
Compare
Inspect

Monitoring and evaluation

RECOVERY

dcq.org.au

LONGREACH

desert channels QUEENSLAND