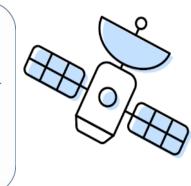
Modern Phenotyping and GeO-Big data







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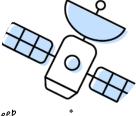
Drone/Satellite AI-4-Agriculture



In situ measurements



ML and statistical drone model



• LAI

- NDVI
- SPAD
- Biomass
- Plant Height,
- Chlorophyll

• Vegetation

Indices

Thermal

indices

Model upScaling from Satellite

Statistical model,

Machine learning or Deep

Machine

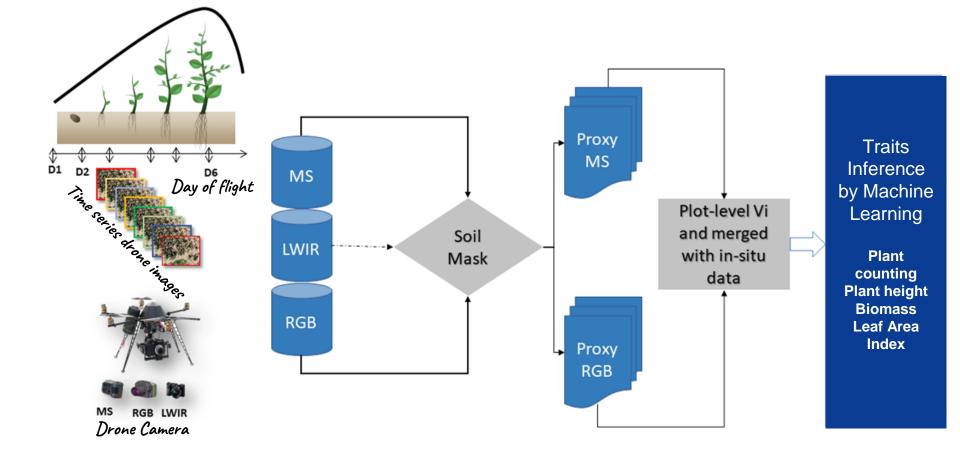
Learning

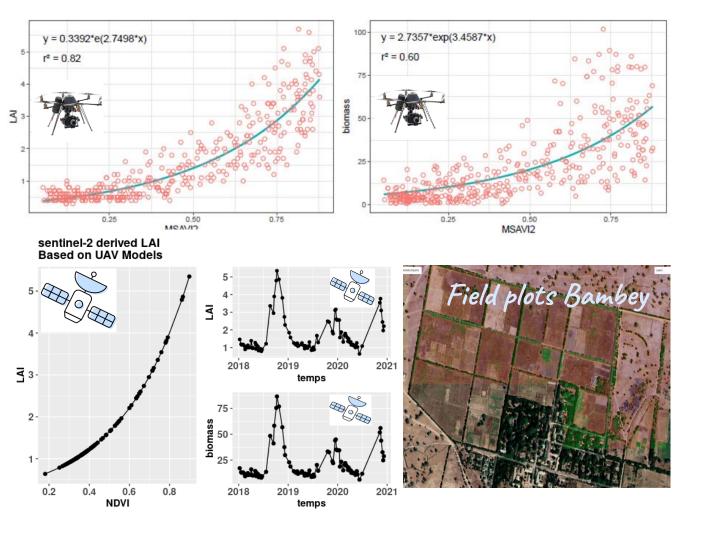
3

- Mesures non destructives
- Génération de cultures durables résistantes au changement climatique.
- Paramètres agromorphologiques et physiologiques





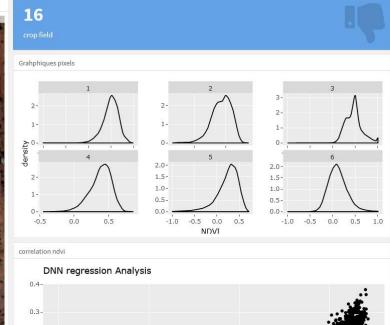




Agisoft metashape file processing







-0.5

0.0

NDVI

0.1-

0.0-

-1.0

0.5

UAV Method Based Multi-Spectral Imaging for Field Phenotyping

