SATFARMING

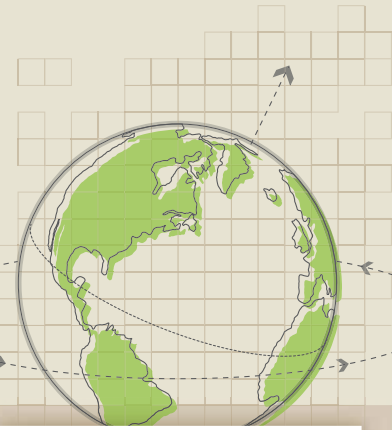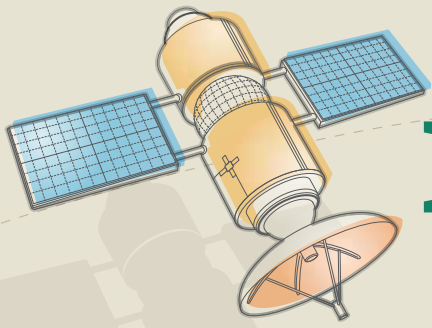## REMOTE SENSING & CROP SIMULATION MODEL
How It Works

CROP LIST: Winter wheat, spring wheat, barley, durum wheat, corn, rapeseed, canola & more...

SATELLITE IMAGERY	WEATHER	FIELD DATA	FARMING MANAGEMENT

S2A/B Landsat Modis - UAV/Drone

SATFARMING PROCESS
Artificial Neural Network

SPATIALIZATION
Interpoling Weather Data

CONNECTED SENSORS
Soil & Crop Data

CROP STRATEGY
Variety - Sowing Date Density...

- Vegetation Cover Index
- Leaf Area Index
- Leaf Chlorophyll
- Crop Water Content

- Weather Sensors
- Connected Raingauge
- Humidity
- Temperatures

- Input Planning
- Nitrogen
- Irrigation

SATFARMING CROP MODELING

GROWTH STAGES	BIOMASS	NITROGEN Nutrition Index	WATER BALANCE	YIELD
CROP CALENDAR	CROP STATUS	OPTIMIZATION	IRRIGATION	STRATEGY

SATFARMING DECISION SUPPORT TOOL
Spatial Intrafield Variability Management, Modulation Maps...

ADVISOR
Technician Expert

+

FARMER

- Strategy
- Decision Making
- Input Planning
- Nitrogen
- Irrigation

STRATEGY AND DECISION

- FIELD OPERATION PLANNING
- FUNGICIDE SPRAYING
- NITROGEN FERTILIZATION
- START & STOP IRRIGATION
- INPUT INVESTMENTS

SatFarming Propretary Algorythms and Softwares