

Aeravision brengt mensen bij elkaar!



BOTS – BOOTS – BUSINESS

& activities in Netherlands

Tamme van der Wal

AeroVision BV | BioScope BV



Conference



Community on Agricultural Performance, Innovation and Geospatial Information

Topics:

- AMS
- **Soil Carbon**
- **Digital transition**
- Biodiversity
- **Spraying drones**



Soil Organic Carbon



- Increased demand for SOC monitoring
 - National inventories
 - Local / private initiatives
- New satellites (e.g. ENMAP (DE), Planet-Tanager)
- LULUCF
- EU Space Week: many satellite-based monitoring systems (agro)forestry



QU.A.L.I.TY criteria



QUANTIFICATION



ADDITIONALITY



LONG-TERM STORAGE



SUSTAINABILITY



Agricultural Dataspaces NL



- European harmonisation
- Code of Conduct (NL interbranch arable, COPA/COGECA)
- NL: PPP on dataspace governance in field crops
- NL: Hollandse Datalinie: design and implementation of dataspace in field crops (2023-2027)
- ISO/TC 347 Datadriven Agrifood Systems



TC Data-Driven Agrifood Systems
Gemeinsame Leitung mit ANSI

WG Agrisemantics
Working

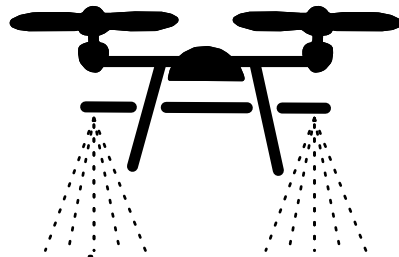
SC Controlled Environment,
and Urban Farming

SC Sustainability Models,
Metrics and Data

SC Livestock Activities Data
Management



Spraying Drones



- Interest in NL but legislation barrier
- Recent changes in EASA flight rules
 - Max. span 3 m.
 - no weight limit
 - Extra safety measures (buffer)
- Upcoming change in SUR
 - Art. 21: spraying with unmanned aerial spraying systems
 - Currently at Council ...



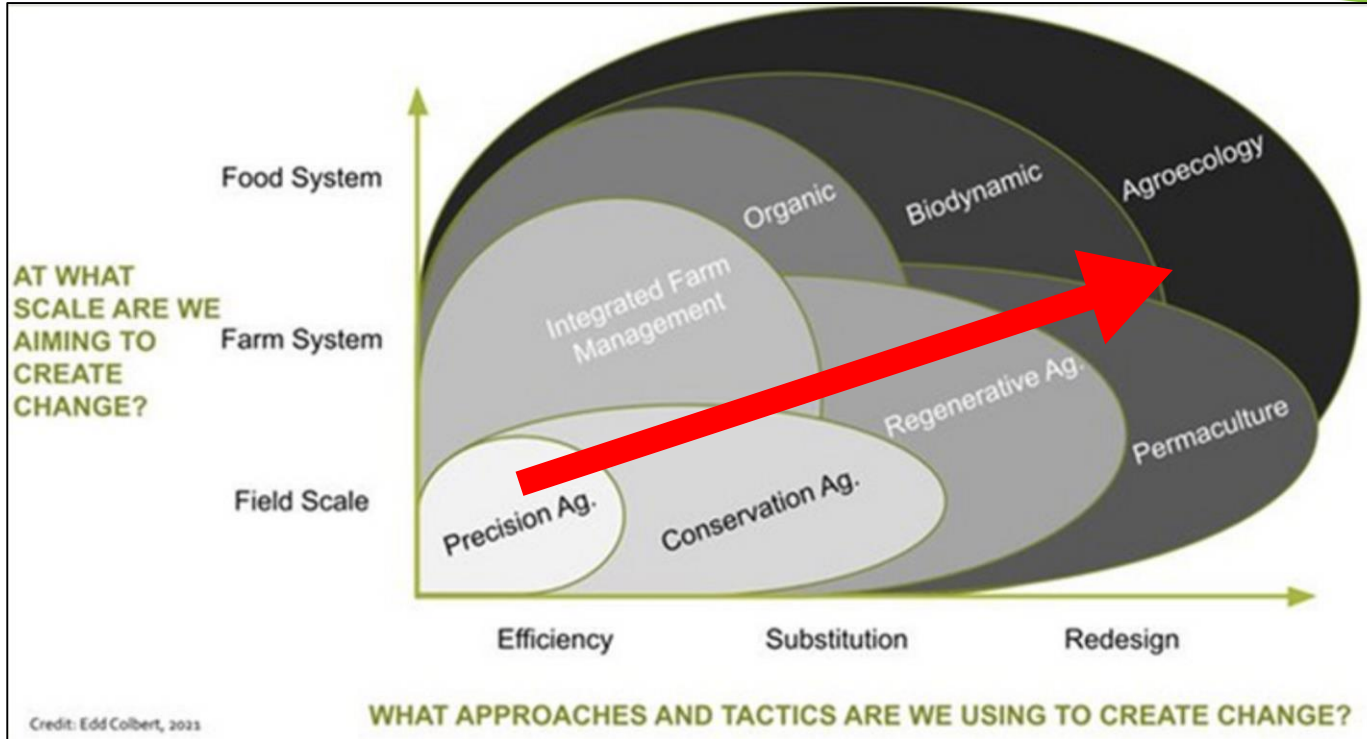
“robotic spraying” herbicides



- Ecobotix – Ara
- Spotspraying
- On-board cameras and AI
- PWM nozzles
- Tested in FieldLab Precision Ag (NPPL)
- 30-40 ordered in NL (2024 delivery)
- 90% reduction in herbicides (e.g. glyphosate)



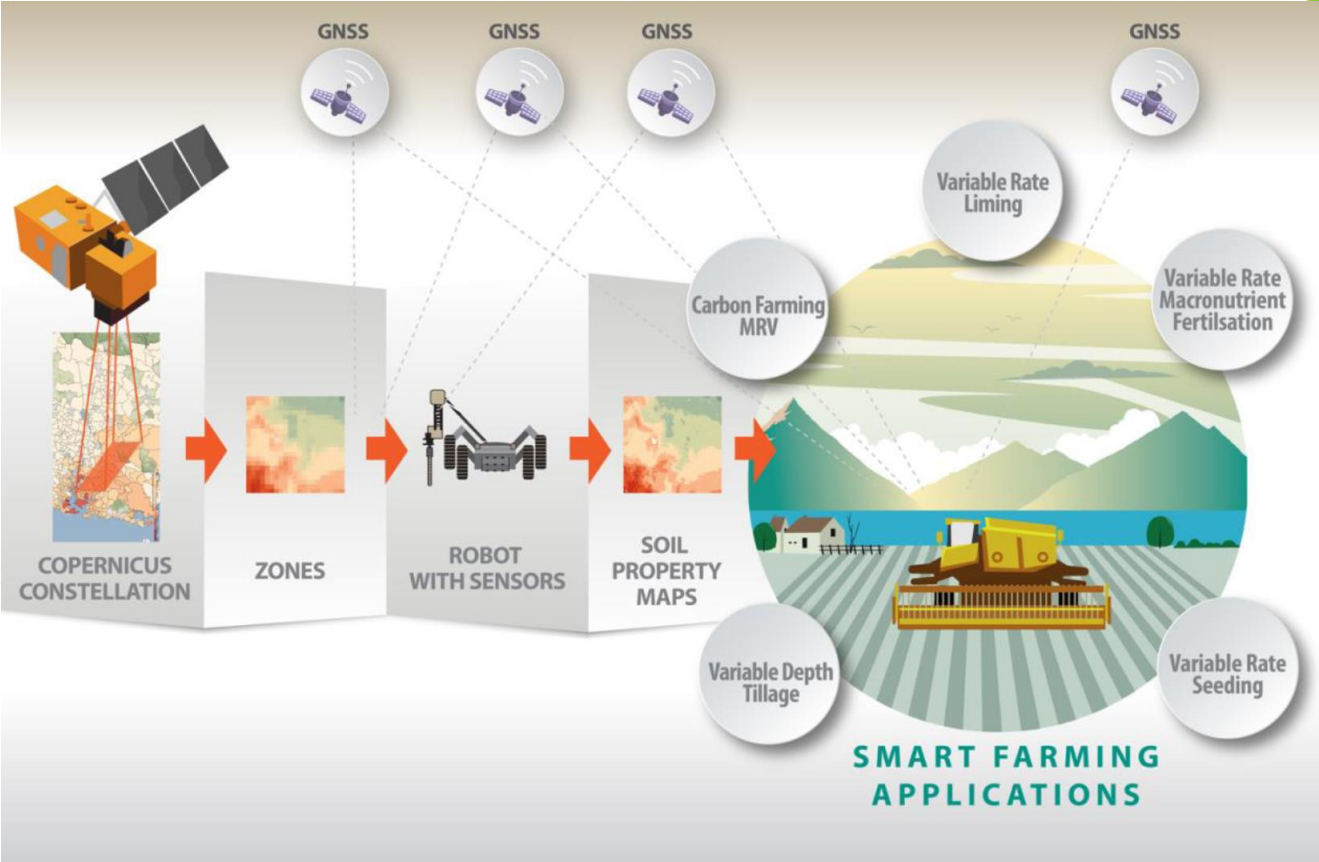
Regenerative Agriculture



Courtesy: Edd Colbert | Thomas Slattery



Soil Quality Analysis Tool



Next event?

- Shall we have a CAPIGI 2024?

