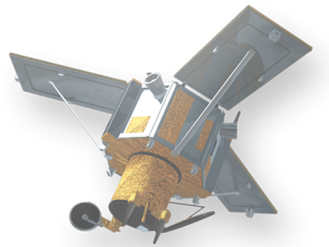
AeroVision connects

SPACE and AGRICULTURE

- Why we participate in Horizon Europe

Tamme van der Wal
AeroVision - BioScope



AeroVision

bio scope

About AeroVision

- Innovation strategists:
  - Role of (geo) information in improvement or change of business processes
  - Supporting users in getting maximum value in the market
  - Supporting R&D and developers in business propositions and market analysis

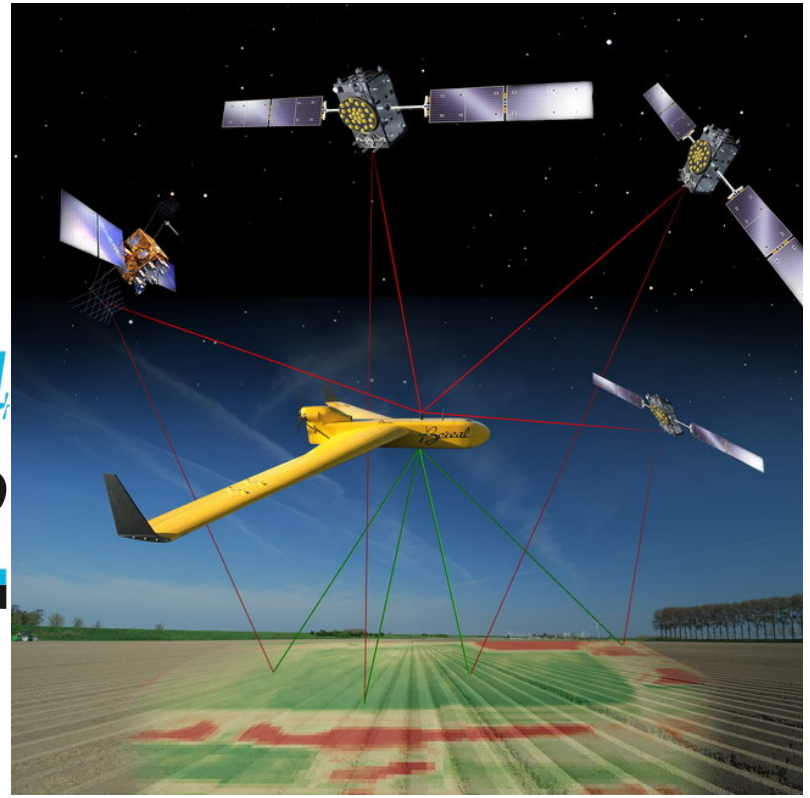
- AeroVision in agriculture:
  - Bridging gap between technology and application (two ways)
  - Translating needs and demand into development programmes
  - Spin-off company BioScope – providing Ag sector with satellite data

Recent projects – 1: GreenPatrol (H2020)

- GNSS guidance for indoor robots;
- Autonomous robot to scan and treat crop diseases in greenhouses;
- International collaboration (ES-UK-CZ-NL);
- Our role:
  - Elicitation of demands (farmers, crop protection agent companies, advisors);
  - Market analysis (greenhouse crops);
  - Business plan development and exploitation plan;
  - Dissemination.
- Result: working prototype and roadmap for exploitation.

Recent projects – 2: Mistrale (H2020)

- Drone-borne R-GNSS sensor for soil moisture mapping
- Our role:
  - Stakeholder engagement
  - Requirements analysis
  - Business Plan development
  - Exploitation plan development



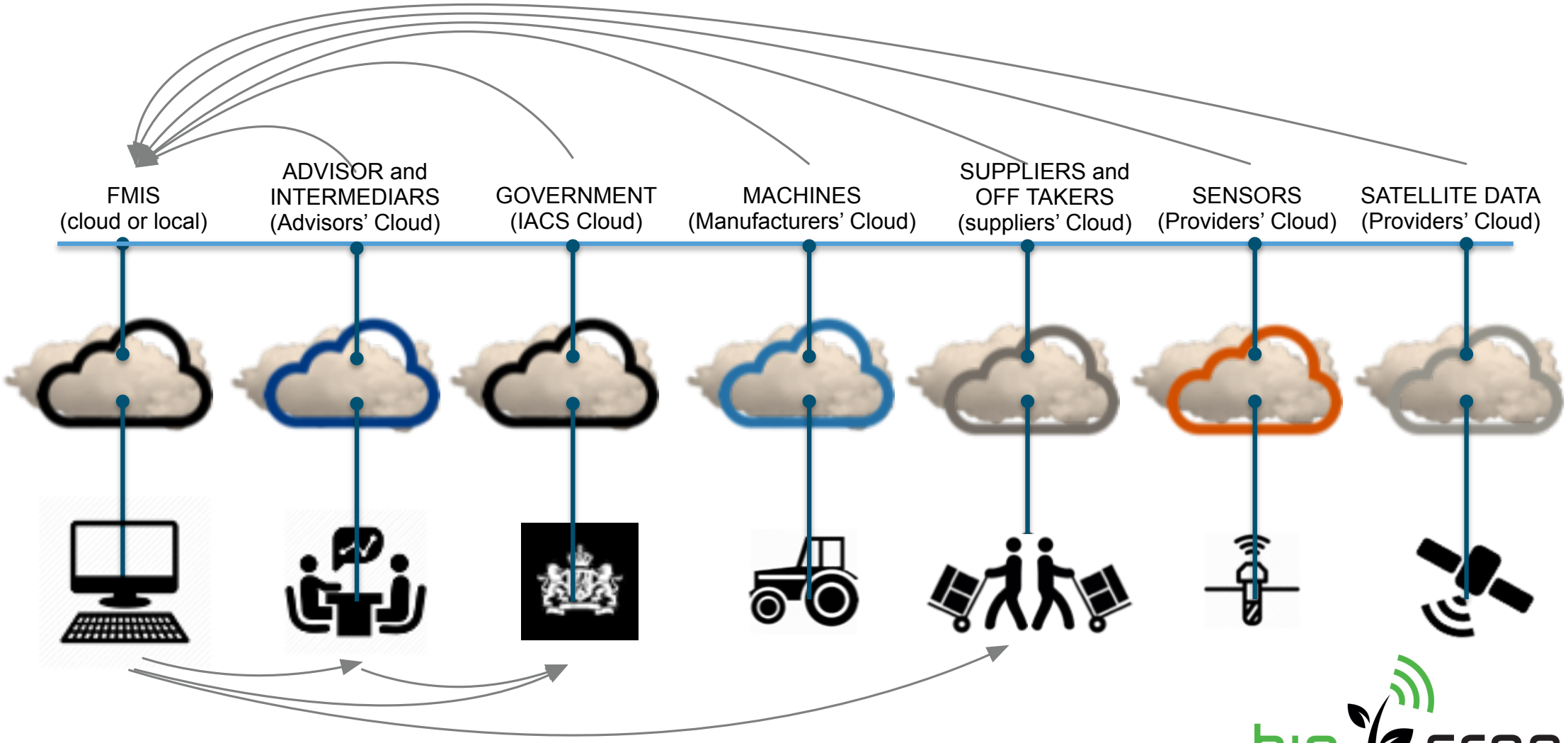
- Result: demonstrated prototype. Plan for further development.

Recent projects – 3: FarmCube (H2020)

- Feasibility and characteristics for a farmer governed farm-data repository:
  - User / needs aspects
  - Technological aspects
  - Societal / ethical aspects (data sovereignty)

- Our role:
  - Conceptual design
  - Stakeholder assessment
  - Roadmap for development

FarmCube


FMIS
(cloud or local)
ADVISOR and
INTERMEDIARS
(Advisors' Cloud)
GOVERNMENT
(IACS Cloud)
MACHINES
(Manufacturers' Cloud)
SUPPLIERS and
OFF TAKERS
(suppliers' Cloud)
SENSORS
(Providers' Cloud)
SATELLITE DATA
(Providers' Cloud)

Recent projects - 4: Carboniser (SBIR)

- Development of a satellite monitoring method for soil carbon stocks
- Integration of satellite – sensor and farmer inputs into monitoring approach
- Farm-advisory services
- Carbon Credits

- Our role: setting up concepts and monitoring process.
- Identifying successful satellite methods/ applications for use in carbon monitoring.