Future Information needs for land, agriculture and food



AeroVision connects



Tamme van der Wal AeroVision - BioScope





VanBoven





















for Ecosystem modelling

CAPIGI



FieldScout, de Smartphone app

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Making Smart Farming Easy and affordable FieldScout geeft actued inzicht in uw gewasgroei Von Castinett Neerdoestpold 6.40 18 - 3 Proceedings 3 3151.8h 08 Acordostipold 200 ta Proefvold Z Acentompele Google 12310-1 Van Campes: Hoogte (AHN) Norskerpela 1% te Campen 2+6.40 P Prestatieindex Van Campen 2 • 6,40 ha Name approval. Prestatieindex Hoogte (AHN) Biomassa 2 januari 2020 \rightarrow WINNER AZO • GALILEO MASTERS 2020 G DUTCH INTERACTIVE AWARDS Prize GOLD AWARD FOR BEST TOOL

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CAPIGI 2023, 8-9-10 MAY 2023

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Contact us

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HighTech innovation:

- Users always want better, faster, more details, more spectra ... boring!
- What (potential) users really want: not to be bothered ...

Demand-driven innovation:

- Increase use of satellite data
- Make life easier

What side are you on?



AeroVision con THE PROMISE



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THE PERFORMANCE

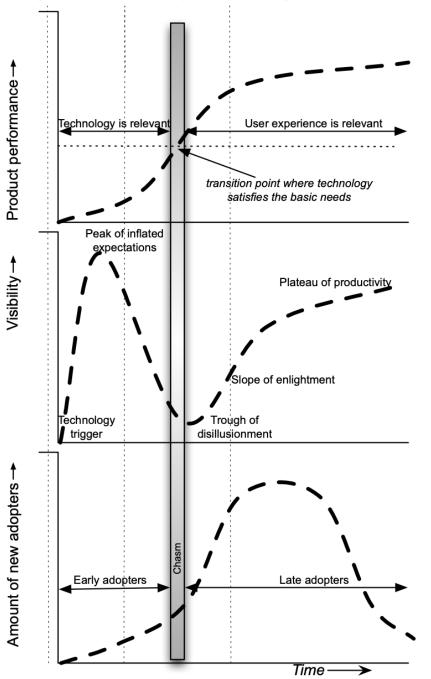




LIFE OF PIE



Discovery Definition Development Delivery



What matters?

- User experience
- Seamless integration
- Undisputable data
- Etc.
- Focus on "Customer Success"









Customer's inability to communicate Their unmet needs ...

cutting costs, less failures ... "A Car for Every Purse and Purpose"

Frozen design:

"Any color ... so long as it is black"

"If I had asked people what they wanted, they would have said faster horses."





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De sloper als ultieme ' eindgebruiker' (illustratie de sloopconcurrent)

Start with the user ...

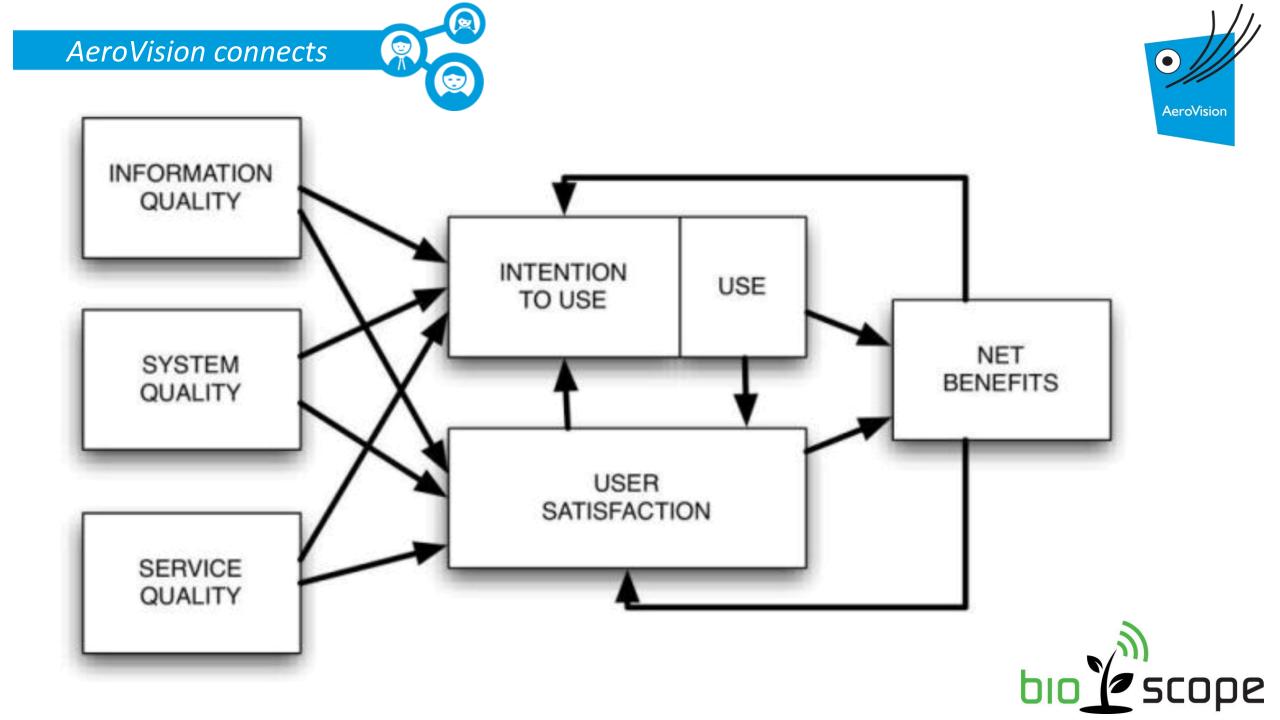
future plans Science & **Private Sector Private Space** Value adders Technology Industry users Advisory bodies analysis ready monitoring *l* data analytics data information requirements Space requirement Public / Products & Research services acquired policy advice Society services organisations & systems data data requirer. Other Government Public Space (EO) Science funding (Media, NGOs (Space) science Organisation & Education skilled workforce ----- \rightarrow \prec etc.) knowledge funding \geq bio 🕐 scope

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societal demands —



requirements and



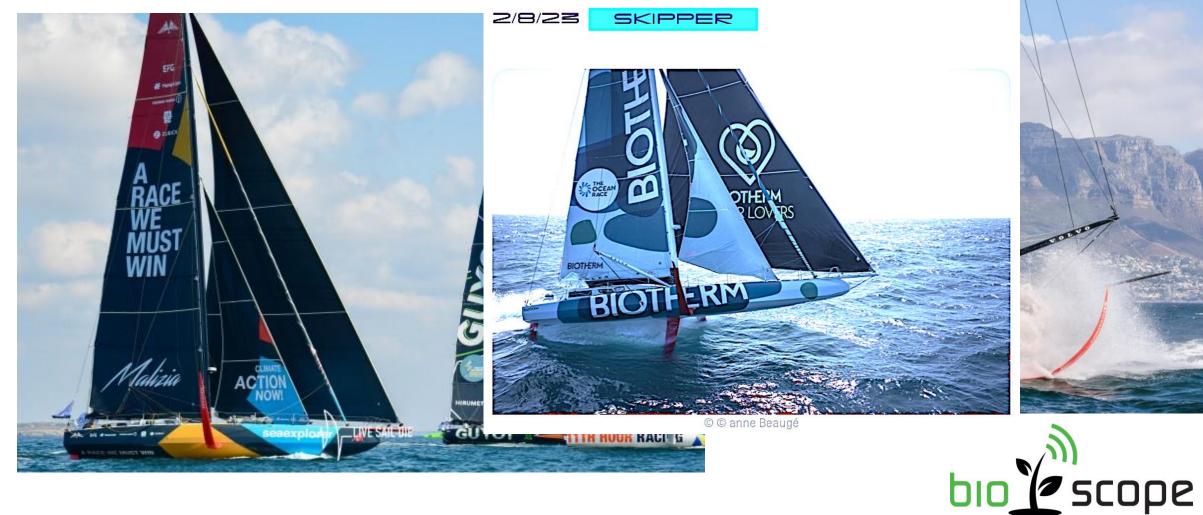


BIOTHERM AND PAUL MEILHAT ARE JOINING FORCES WITH THE TARA OCEAN

AeroVision

A race we must win FOUNDATION TO STUDY OCEAN

BIODIVERSITY



Innovations in race-sailing

- Faster boats
- Safer boats
- Less crew
- I didn't really change sailing until ...

OMEGA

Innovations at EO

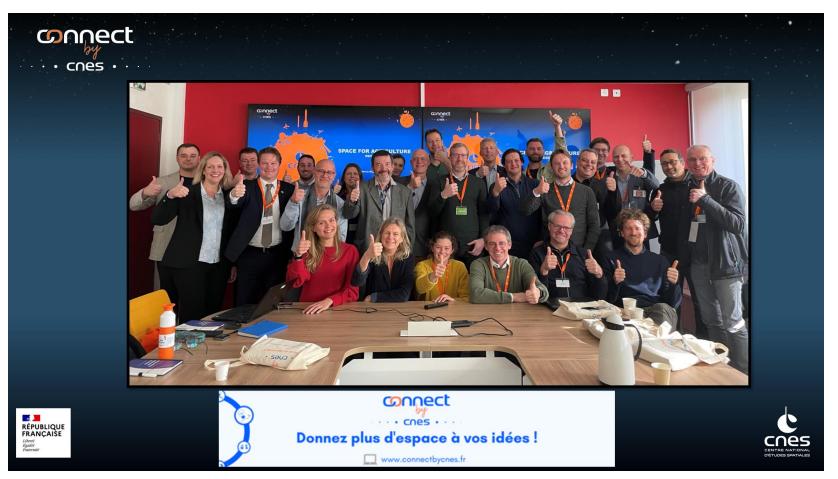
- Higher capacity
- Shorter revisits
- Better access

It didn't really change agriculture until ...

- Analysis Ready Data
- Fusion

CNES meeting 9 February 2023

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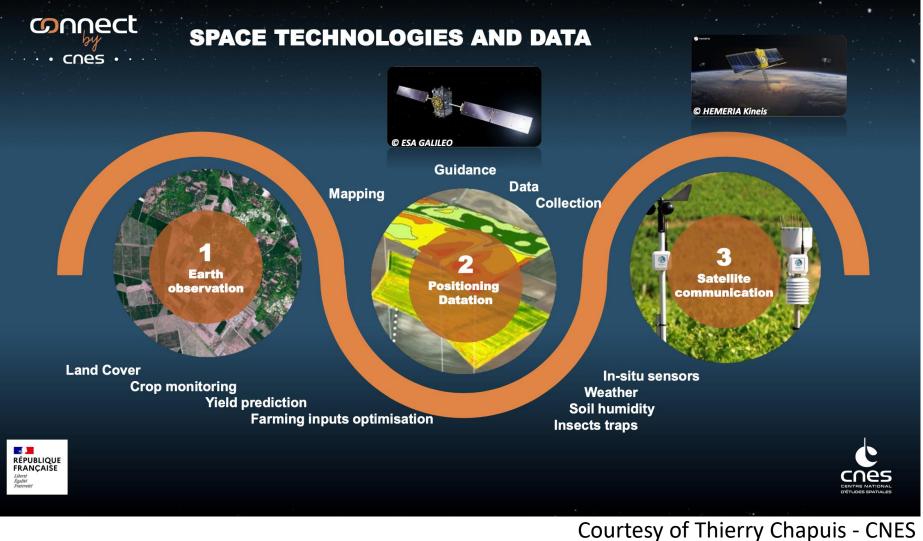


Courtesy of Thierry Chapuis - CNES

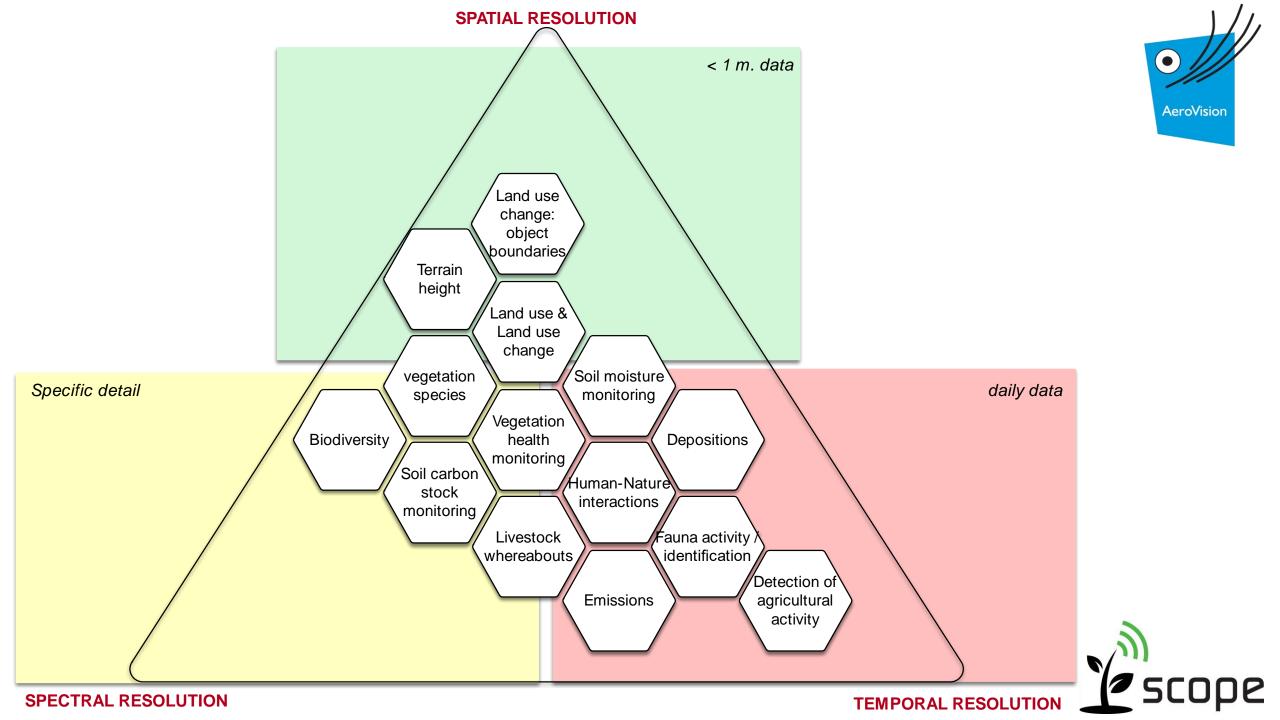




My take away: Slow progress in EO usability



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What are yet-unmet expectations?

- Don't bother users with "cloud issue"
- Don't bother users with atmospheric correction, rectification etc.
- Create a dataflow that is
 - Available
 - Accessible
 - Affordable
 - Applicable
 - Acceptable







- Satellite data is still a "nice to have" in most application domains
- Demand driven innovation is almost non-existent
- "Sun-synchronous" prevents innovative use (looking around the clouds)
- Thermal data has been neglected too long
- Demonstrations and experimentation for USERS is lacking
- System and service quality are as important as information quality
- Satellites are never a one-off solution ...



....

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Thank you for your attention!

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More information



