

G4AW Geodata Demonstrators

NSO team
Space for Global
Sustainable Development

2 & 3 December 2024





Agenda

Welcome

Joanna Ruiter – Netherlands Space Office



Space for development & G4AW

Ruud Grim – Netherlands Space Office



Geodata demonstrations

Koen Verberne, 52impact

Koko Alberti, MapWorks

Corné van der Sande, eLEAF



Q&A





Netherlands Space Office

- Space Agency of the Netherlands
- Advice on and implementation of the national space policy
- The Netherlands benefits from space



Ministerie van Economische Zaken



Ministerie van Infrastructuur
en Waterstaat



Ministerie van Onderwijs, Cultuur en
Wetenschap





Roles NSO



Connecting



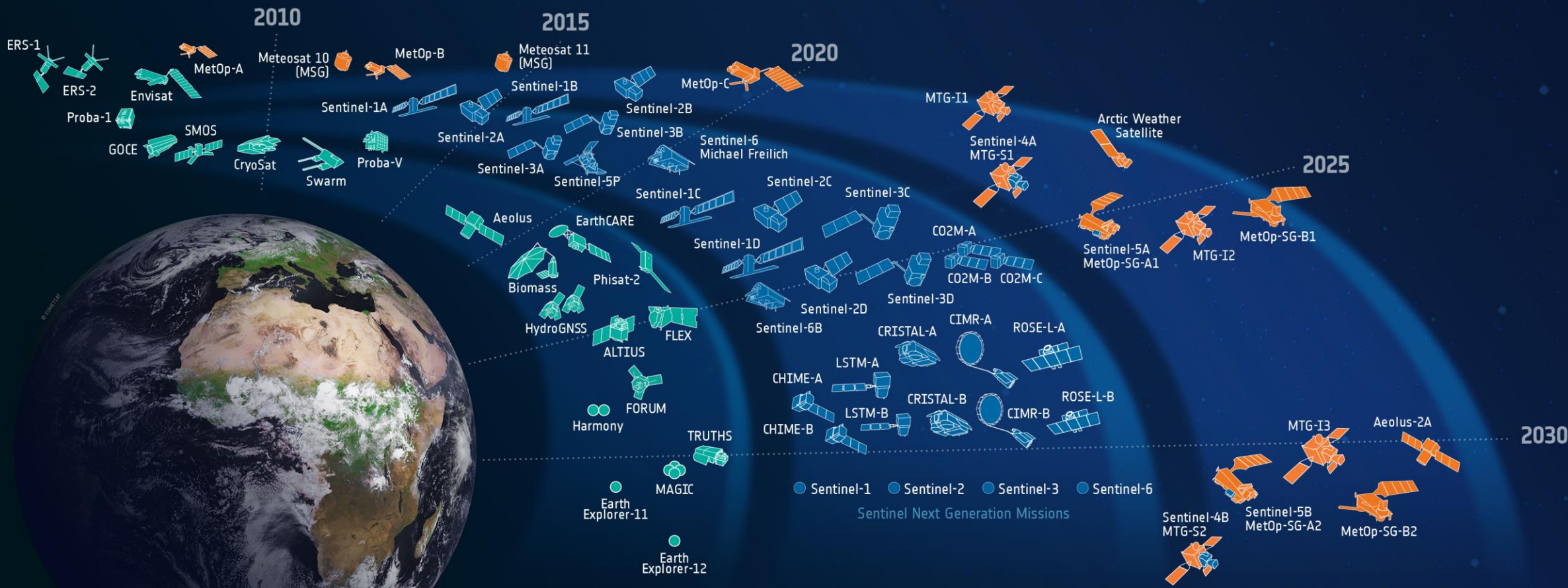
Advising



Stimulating – through financial means



ESA-DEVELOPED EARTH OBSERVATION MISSIONS



Science



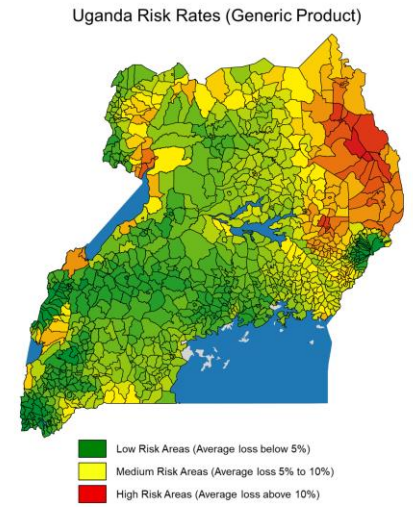
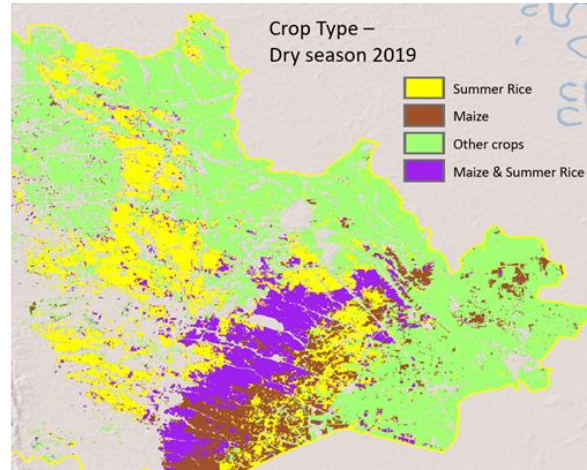
Copernicus



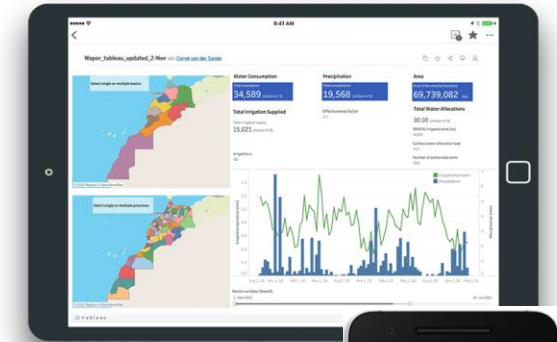
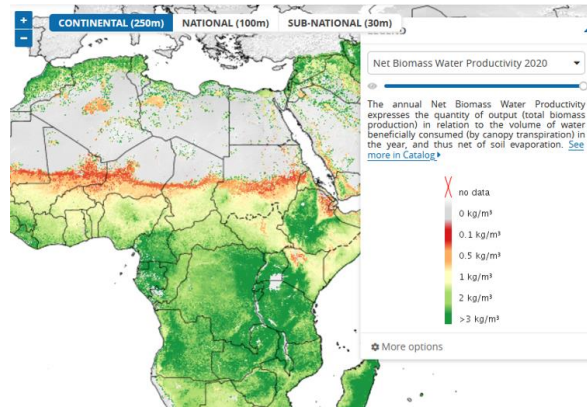
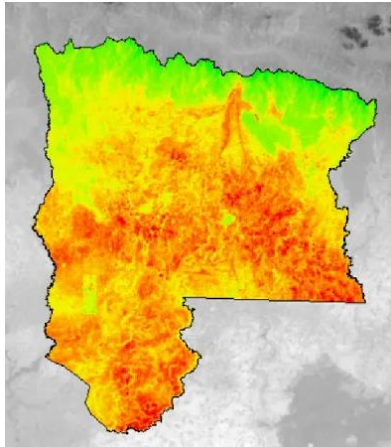
Meteorology



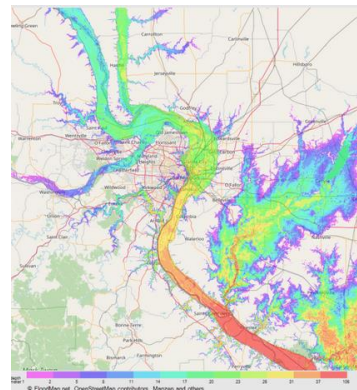
Optical



Thermal



Radar



Geodata for Agriculture & Water



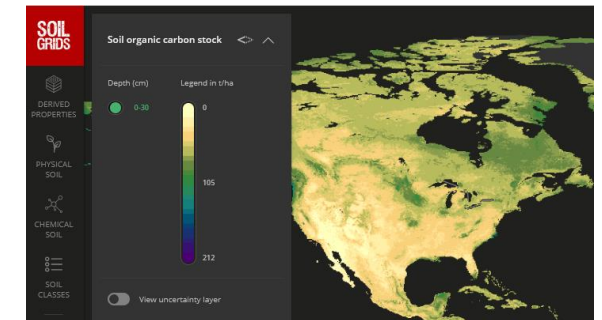
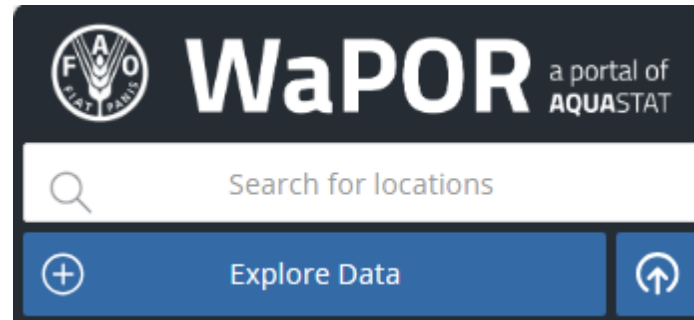
Ministerie van Buitenlandse Zaken

SPACE FOR FOOD SECURITY – NEXT PERSPECTIVES



More and more open data initiatives

- Available for free
- Mostly funded by tax payer (national, EC)
- Webportals
- Download data via API





G4AW - Open geodata challenge (2022)

- Pain: only useable for experts
- Gain: services that lower barriers for usage
- Challenge: make open geodata more usable for non-experts
- Responding to user needs
- Themes: agriculture, water and sustainable landscapes
- Funded by G4AW (MoFA) & NSO (innovation funding)





Three 'winners'



MapWorks & IDH
Landscape Diagnostic Tool



FutureWater & HGT
SOSIA Irrigation Tool



eLEAF & Resing
Water Control Dashboard



Landscape level



Farm level





G4AW – Geodata Demonstrators (2024)

- Verify added value of 'landscape' winners
- Responding to user needs (*) & improve the services
- Climate modelling added as third service
- Funded by G4AW (MoFA)
- Future ops: service for free (under framework contract or funded by service provider) or at low cost (procurement)

(*): supporting embassy policies and projects



Presentation by 52impact, Mapworks & eLEAF





Next steps



Survey



Final report (2024)



Share insights



Continue dialog
with stakeholders in 2025

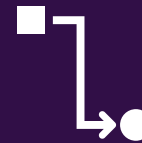




Contact NSO for:



Access to knowledge on Earth Observation open data & services



International partnerships and contacts (using EO)



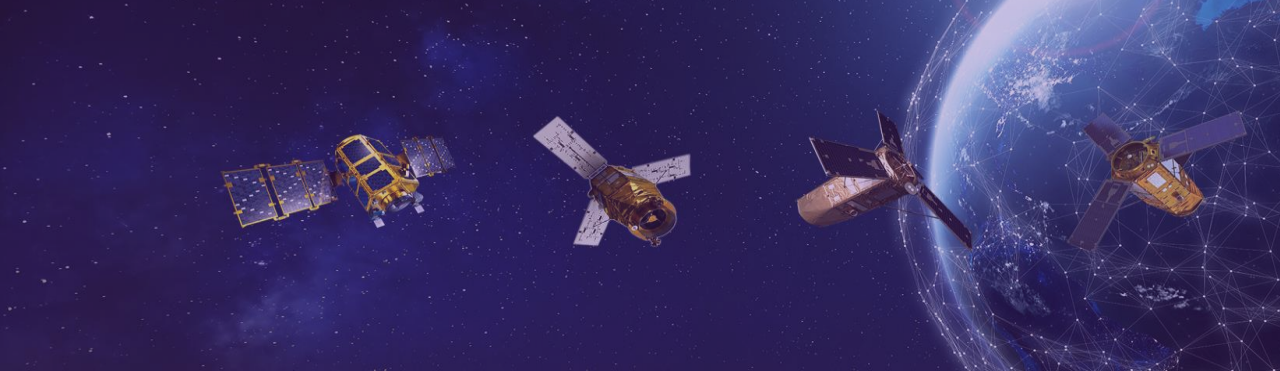
Addressing local needs with Dutch and local EO expertise



Business opportunities world wide (with RVO)



Themes & Services



Food security



Water use and management



Land use



Deforestation



Biodiversity



Weather, climate, air quality



Early warning





Thank you for
your attention!

 r.grim@spaceoffice.nl

