



# Space for Food Security

Geodata for Agriculture & Water  
G4AW

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**G4AW**

GEODATA FOR AGRICULTURE AND WATER

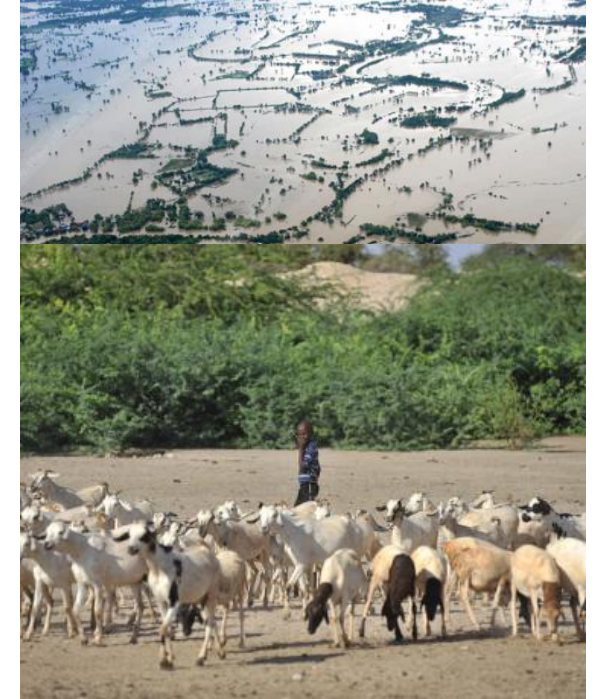
Netherlands  
**Space**  
Office





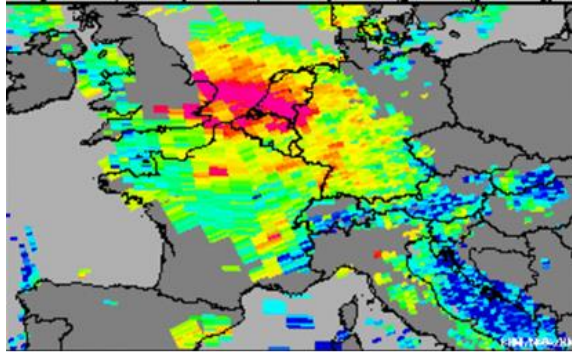
# Challenge

- World population
- Food production
- Climate change
- Need: better informed decisions at farmer level

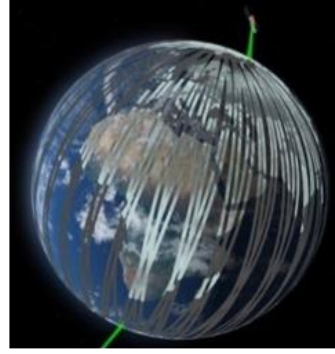




# Added value of satellites



Large regions



Global coverage

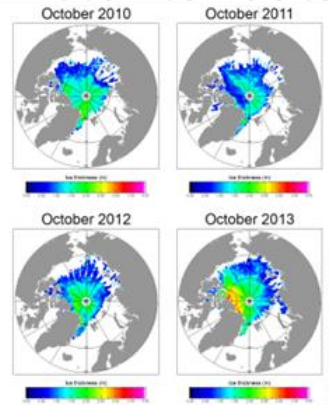


Global access



Homogeneous data

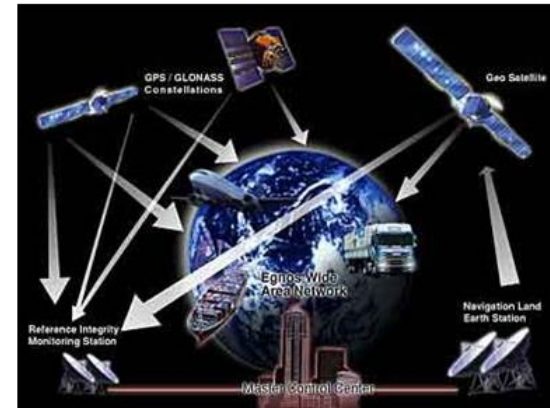
Repeated obs  
Historical data



Integration



Multiple users



Near real time







*Geodata for Agriculture and Water (G4AW) improves food security in developing countries by using satellite data.*

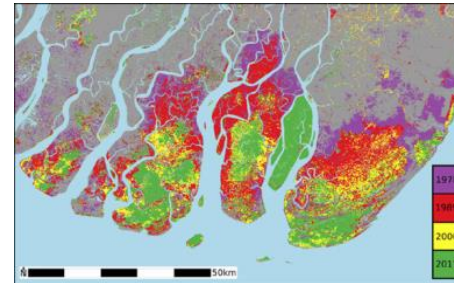


- 3 Calls
- 100 mio €
- 2014-2021
- 23 projects
- 14 countries

*Netherlands Space Office (NSO) is executing this programme, commissioned by the Dutch Ministry of Foreign Affairs.*



# Major (technology) enablers for service provision



Satellite and other  
sensor systems

Operational  
infrastructure

Value adding  
Services, AI

Distribution  
channels



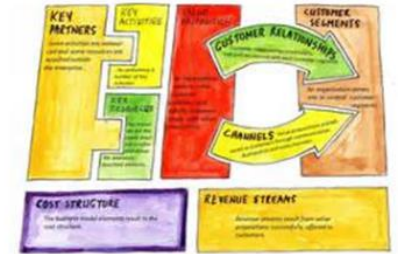
## Examples of services

- More localized weather forecasts
- Yield forecasts/growth stages
- Pest & disease warnings
- Drought and flood warnings
- Micro insurance
- Risk profiling supporting insurance and credits



# Granted projects: success factors

- **Business model:** Various models being deployed
- **Market:** Tackle a well-defined and specific problem
- **Solution:** Part of a portfolio of services, focus remains on a core offer with added value for client
- **Channel:** They build on already existing delivery mechanism(s)
- **License to operate:** embedding in the local context
- **Maturity:** a reproduction of an already (elsewhere) validated service







Thank you for  
your attention

G4AW is a programme  
commissioned by



Ministry of Foreign Affairs

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