



# Introducing NSO and G4AW Space for Food Security

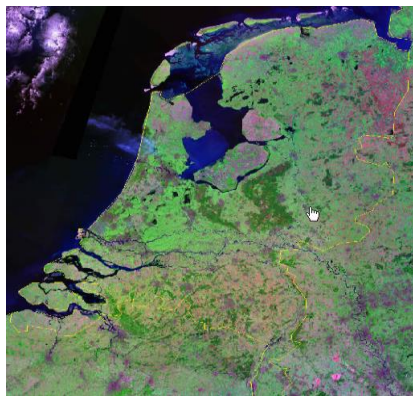
Ruud Grim  
Netherlands Space Office

G4AW Space for Food Security  
March 16, 2017 Yangon, Myanmar





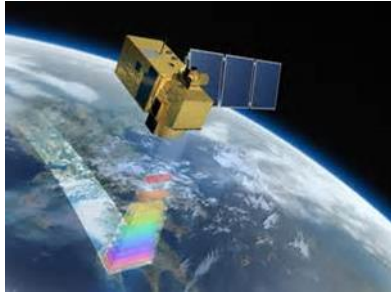
# Netherlands Space Office



- Space agency of the Netherlands government (established 2009)
- Reporting to:
  - Ministry of Economic Affairs
  - Ministry of Infrastructure and Environment
  - Ministry of Education, Culture and Science
  - Ministry of Foreign Affairs
  - Netherlands Organisation for Scientific Research (NWO)
- Task: to develop and implement Netherlands Space programme
- Outcome: space applications for science, economy and society



# Large gap between (open) space data and farmers

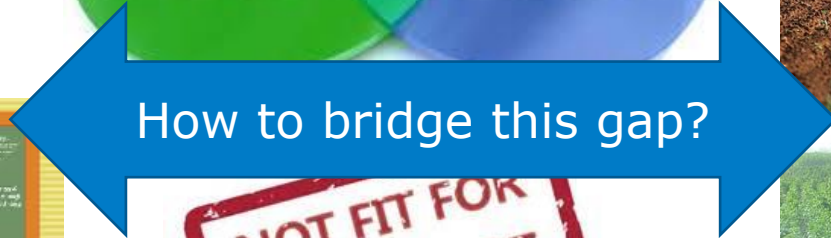
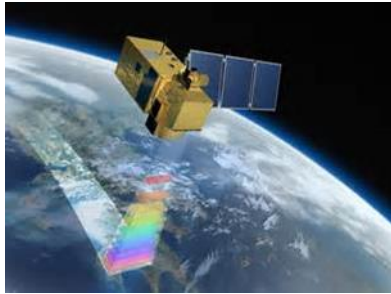


**NOT FIT FOR  
PURPOSE**





# Large gap between (open) space data and farmers



**NOT FIT FOR PURPOSE**





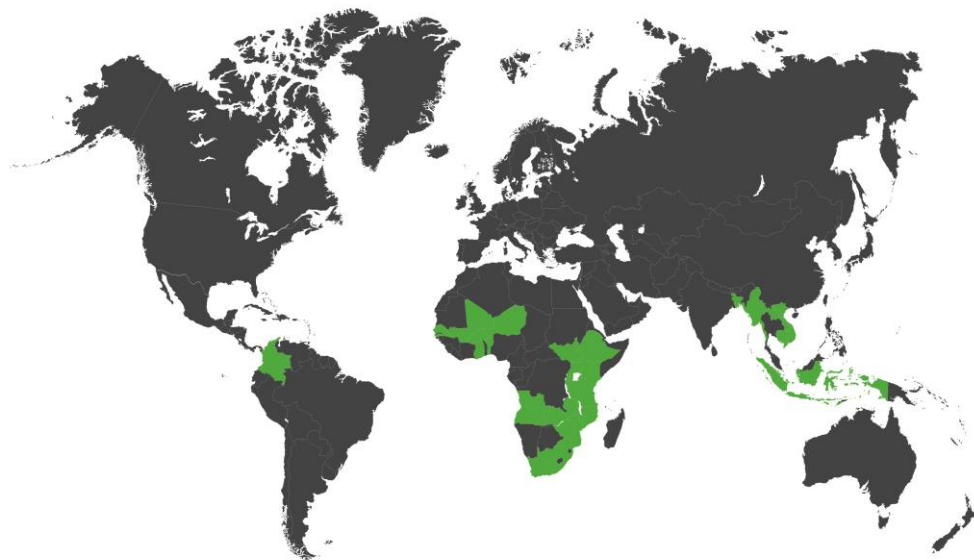
## G4AW Background

- Cooperation between governments & space agencies
  - Smallholder food producer not reached
- 2012: initiation of G4AW Facility
  - Desk study, interviews
  - Program policy rules, guidelines, M&E framework
- Two call for proposals (2013/2014, 2014/2015)



# G4AW Countries

Angola	Mali
Bangladesh	Mozambique
Benin	Myanmar
Burkina Faso	Niger
Burundi	Rwanda
Cambodia	Senegal
Ethiopia	South Sudan
Ghana	Tanzania
Indonesia	Uganda
Kenya	Zambia
Laos	Zimbabwe
Malawi	



*Countries in economic transition (2013): Colombia South Africa, Vietnam*

# 17 projects in 10 countries



Country	Project	Lead Partner	Business Model	Aggregator	Embedding
Bangladesh	GEOBIS	Lal Teer Seed	Inclusive	Seed supplier	Extension officers, retail
Bangladesh	GEOPOTATO	Wageningen Univ.	Service	Mob/ICT, gov.	Government, NGO
Bangladesh	IDSS	ACI	Freemium/Inclusive	Input supplier, gov.	Extension officers, retail, NGO
Burkina Faso	MODHEM	SNV	Service	Telcom, gov.	Extension officers, NGO
Ethiopia	CommonSense	Alterra	Service	Cooperatives, unions, MFI's	Government, NGO
Ethiopia	GIACIS	University of Twente-ITC	Inclusive	Bank, insurance, government	Government
Indonesia	G4INDO	Wageningen Univ.	Service	Insurance	Government
Indonesia	SmartSeeds	ICCO	Service	Seed supplier	NGO
Kenya	CROPMON	SoilCares	Service	Cooperative, trade association	NGO
Kenya/Tanzania	GEODATICS	ICS	Inclusive	NGO	NGO
Mali	STAMP	SNV	Service	Telcom	Cooperative
Mali/Uganda	SUM Africa	EARS	Service	Cooperative	Cooperative
South Africa	R4A	ARC	Freemium	Parastatal/SemiGov	Extension officers, NGO
Tanzania	SIKIA	TechForce Innovations	Freemium & service	NGO, government	Extension officers, NGO
Uganda	MUISS	CTA	Freemium & service	Federation, unions	Extension officers
Vietnam	Sat4Rice	Vinaned	Inclusive & loyalty	Seeds & nutrient	Extension officers, gov.
Vietnam	GREENcoffee	ICCO	Service	Telcom/ICT	Extension officers, gov., NGO



# Questions?







Thank you for  
your attention

G4AW is a programme  
commissioned by



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**G4AW**  
GEODATA FOR AGRICULTURE AND WATER

Netherlands  
**Space**  
Office