



G4AW Goals

- Reaching over 3 million smallholders
- Providing them with useful and timely (agrometeorological) and/or (financial/insurance) products
- Improving sustainable food production, increase the effective use of inputs (water, nutrients, seeds, pesticides)
- Economic development in participating countries
- Stimulating private investments
- Financially sustainable services after 3 years
- Improved food security and income

17 Projects & partnerships

Over 80 organisations across 10 partner countries have initiated a total of 17 G4AW projects. Their business cases are all based on cooperation, affordability, sustainability and empowerment in a local context. They aim to bridge the entire information chain from satellite to soil; space for food security.

Contact

E g4aw@spaceoffice.nl

I g4aw.spaceoffice.nl

Visitors Address

Netherlands Space Office

Prinses Beatrixlaan 2 | 2595 AL The Hague

This is a publication of Netherlands Space Office, in collaboration with Ministry of Foreign Affairs

© Netherlands Space Office (August 2016)

Photo Credit: Stephanie Malyon / CIAT

Space for Food Security



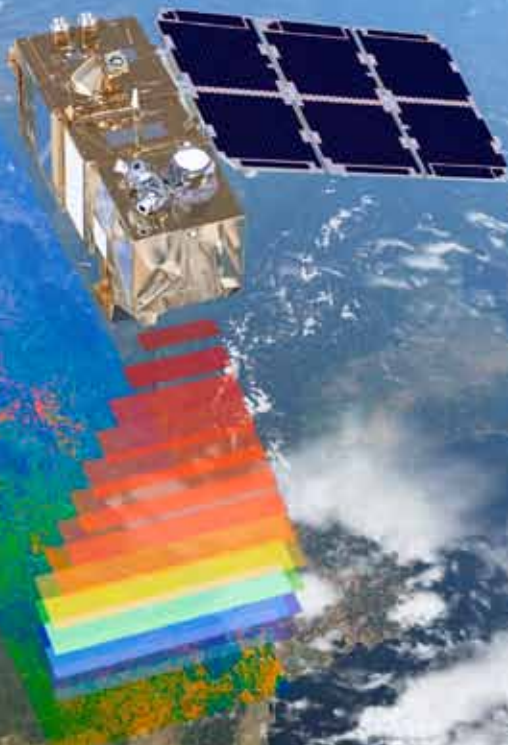
Netherlands
Space
Office



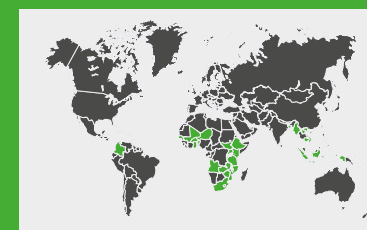
Ministry of Foreign Affairs of the
Netherlands

A global challenge: Feeding the future

The food producers of our planet face the extraordinary challenge of feeding 9 billion people by the year 2050. As a consequence of climate change, there will be a growing competition in using water and finding fertile land. Further, reliable weather forecasts for food producers are scarcely available in developing countries.



Access to market information and customised, timely agricultural advice.



G4AW partner countries

The opportunity: space for food security

The combination of improved mobile connectivity, new satellite services and private investments offers the opportunity for scaling up innovations to large-scale implementation and operations. A growing fleet of earth observation satellites encircling our planet guarantee a continuing global coverage and provision of free objective data.

Geodata, converted to relevant information on climate, weather and hazards, helps food producers and other stakeholders in developing countries; they can access market information and customised, timely agricultural advice, as well as warnings of natural hazards like floodings or droughts.

Increasing the quantity and quality of communication networks empowers millions of food producers in remote areas to make better decisions. Combined with these services, micro-insurances and/or micro credits can help guarantee the continuity of food production.

The Geodata for Agriculture and Water (G4AW) Facility promotes and supports private investments for large scale, demand driven and satellite based information services. It provides a platform for partnerships of public organisations, research institutes, private sector operators, NGO's, farmer cooperatives, satellite data/service operators, businesses and transmission operators, developing space for food security.

G4AW projects and partner countries:

| Country | Project | Lead partner | Crop / livestock / insurance | Call | Project Start |
|----------------|-------------|--------------------------|--|------|---------------|
| Bangladesh | GEOBIS | LTSeed | Potato, rice, vegetable | 2 | 2015 |
| Bangladesh | GEOPOTATO | Wageningen University | Potato | 2 | 2015 |
| Bangladesh | IDSS | ACI | Rice, vegetable | 2 | 2015 |
| Burkina Faso | MODHEM | SNV | Grass (pastoralist) | 2 | 2016 |
| Ethiopia | CommonSense | Alterra | Sesame, sorghum | 1 | 2015 |
| Ethiopia | GIACIS | University of Twente-ITC | Rain fed arable crops (insurance) | 1 | 2014 |
| Indonesia | G4INDO | Wageningen University | Rice (insurance) | 1 | 2014 |
| Indonesia | SMARTseeds | ICCO | Chilli, tomato and cucumber | 2 | 2016 |
| Kenya | CROPMON | SoilCares | Coffee, maize, grass, sorghum, cereals | 2 | 2015 |
| Kenya/Tanzania | GEODATICS | ICS | Maize, legume crops | 2 | 2015 |
| Mali | STAMP | SNV | Grass (pastoralist) | 2 | 2015 |
| Mali/Uganda | SUM-Africa | EARS | Maize, millet, rice, sorghum (insurance) | 1 | 2014 |
| South Africa | R4A | ARC | Various | 2 | 2015 |
| Tanzania | SIKIA | TechForce Innovations | Rice | 2 | 2016 |
| Uganda | MUISS | CTA | Maize, soya, sesame | 2 | 2015 |
| Vietnam | Sat4Rice | VinaNed | Rice | 2 | 2015 |
| Vietnam | GREENcoffee | ICCO | Coffee | 2 | 2016 |