

A satellite-style image of Earth, showing a mix of brown and tan landmasses and vibrant blue and cyan oceanic regions. The image is used as a background for the title slide.

# Why we need SMART agriculture to feed the world?

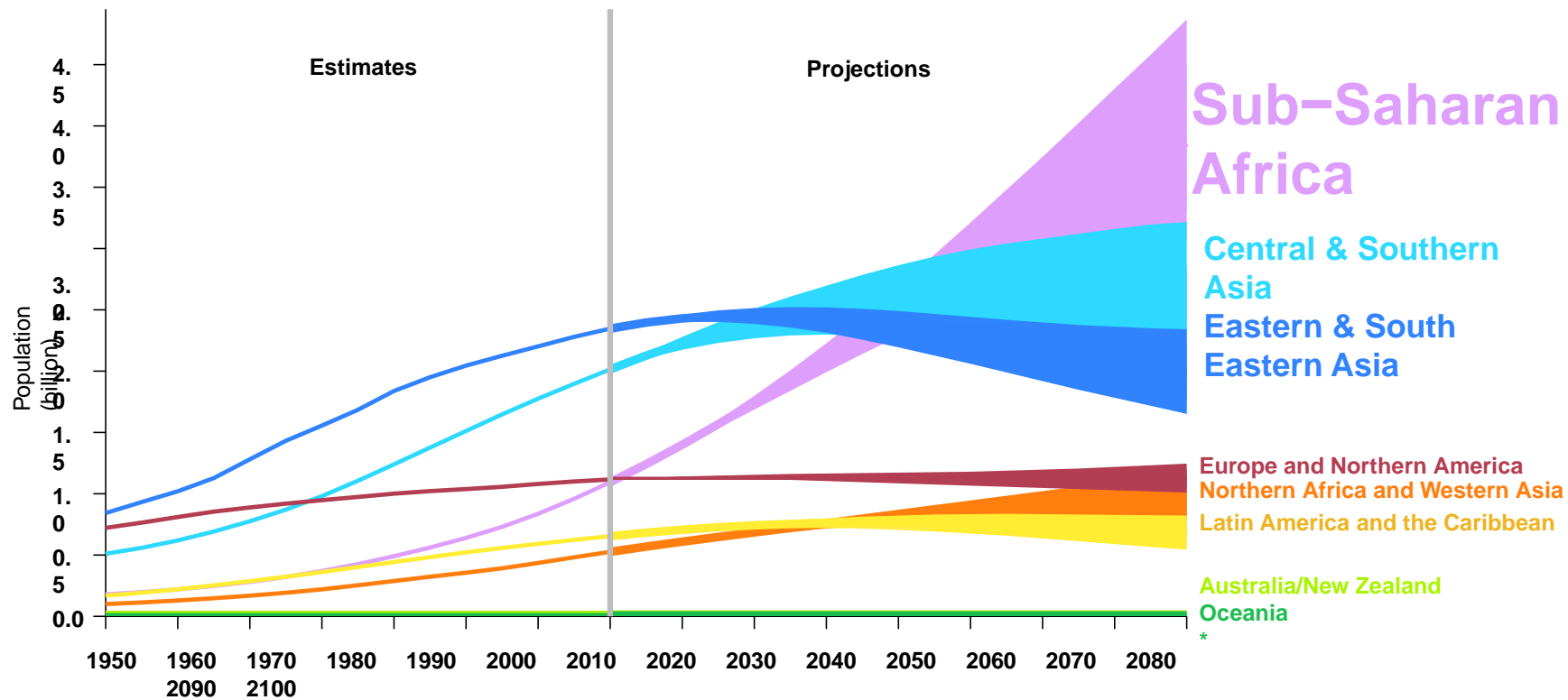
Eliane Ubalijoro, PhD  
Deputy Executive Director (Programmes) GODAN

GODAN -  
October 2019



# How will we feed humanity in 2050?

Population by SDG region: estimates, 1950-2020, medium-variant projections, 2020-2100, with 80- and 95- percent prediction intervals



# GODAN: October 2019: 1000+ partners; 117 countries



**gODAN**  
Global Open Data  
for Agriculture & Nutrition

*A Global Data Ecosystem  
for Agriculture and Food*



# Convergence of ideas and innovation needed for creating a Global Data Ecosystem for Agriculture and Food

Key to achieving this will be developing a broad awareness of, and making efforts to improve

**Data Quality**  
**Data Provenance**  
**Data Timeliness**  
**Data Accessibility**  
**Data Interoperability**





Market, weather and ag integration:



# CONNECT WITH FARMERS

via SMS, voice-SMS and call centre

LEARN MORE →

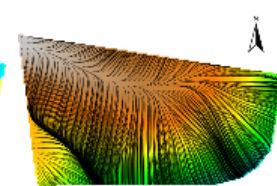
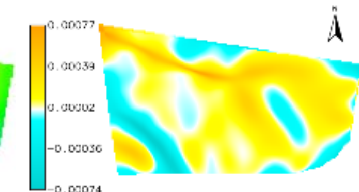
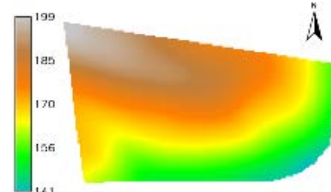
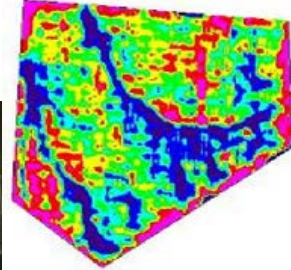
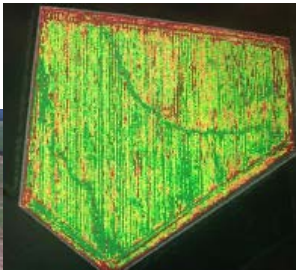
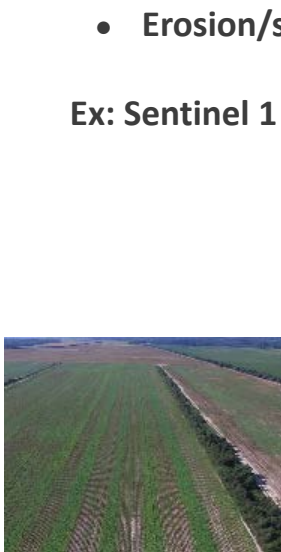
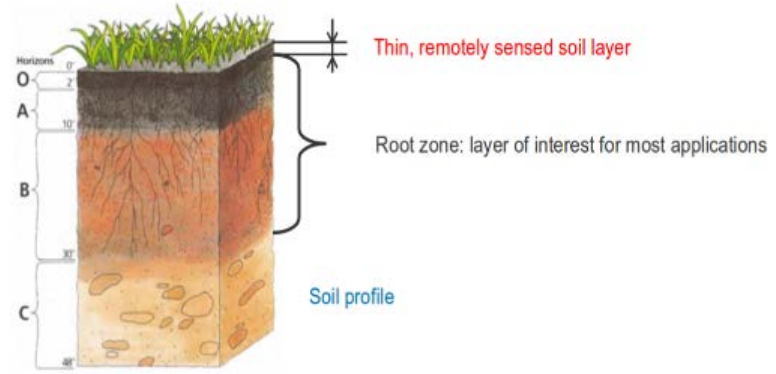


# Geodata: knowing our soil:

## Analysis:

- Growth
- Soil quality Index
- Air and soil temperature forecasting
- Drought and flood forecasting
- Nitrogen and pH
- Erosion/soil degradation

Ex: Sentinel 1 & 2 (10 m resolution)



# PROJET STAMP – Service GARBAL – Mali:



Geodata – Big data pour les pastoralistes aussi!



# Sat4Farming - Information services for sustainable cocoa farm management in Ghana



<b>Category</b>	Crop advisory service
<b>Region</b>	West Africa
<b>Country</b>	Ghana
<b>Period</b>	2018 - 2020
<b>Targeted end users</b>	Smallholder cocoa farmers in five regions (Ashanti, Brong Ahafo, Eastern, Central and Western)

<https://g4aw.spaceoffice.nl/en/projects/g4aw-projects/91/sat4farming---information-services-for-sustainable-cocoa-farm-management-in-ghana.html>

*With geodata developing and utilizing tailored farm development plans for individual cocoa farmers*







22-24 October, 2019

Accra International Conference Centre, Accra, Ghana

SHAPING AFRICA'S DIGITAL FUTURE

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<b>1200+</b> PARTICIPANTS	<b>100+</b> COUNTRIES	<b>1000+</b> REMOTE PARTICIPATION	<b>200+</b> HIGH LEVEL LEADERS	<b>100+</b> THEMATIC SESSIONS/WORKSHOPS	<b>10+</b> HIGH-LEVEL DIALOGUES	<b>20+</b> AWARDS	<b>40+</b> CHAMPIONS OF GOOD PRACTICE	<b>40+</b> EXHIBITORS
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WELCOME ADDRESS





Let's use the data  
revolution to feed  
the world and  
protect Our Planet  
for Generations to  
come

