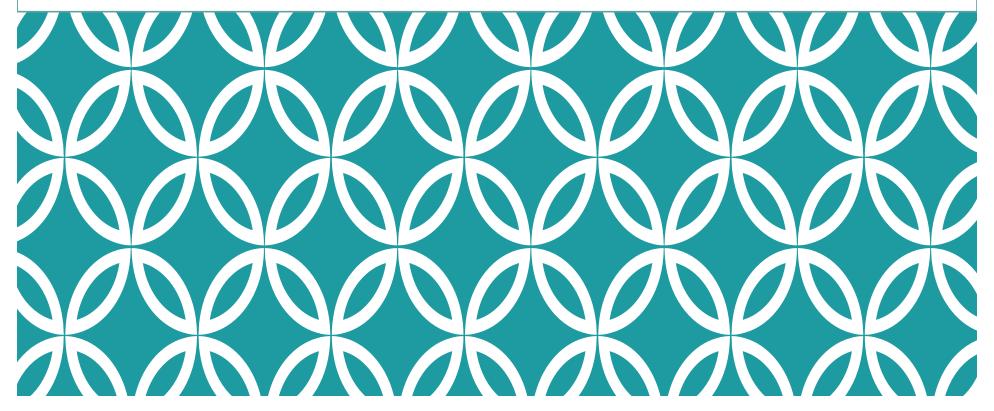


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EOSTAT SENEGAL AND UGANDA BREAKING DOWN THE BARRIERS TO THE OPERATIONAL USE OF EO DATA FOR AGRICULTURAL STATISTICS IN AFRICA

Lorenzo De Simone, Senior EO Expert SDG Sub- Programme coordinator Office of the Chief Statistician, FAO

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- FAO comparative advantage in the use of Earth Observations for generation of crop statistics
- FAO EO STAT project in a nutshell
- FAO and the UN Global Platform, synergies to break technological barriers
- Work plan
- Next steps

FAO'S STRENGTHS IN THE USE OF EARTH OBSERVATIONS DATA FOR CROP MONITORING AND CALCULATION OF AGRICULTURAL STATISTICS AND

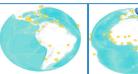


- Extensive experience in land cover mapping and crop monitoring in many countries in the world, delivered naional, regional and global products
- Key partner of the 50 x 2030 initiative, a coordinated approach to large in situ data collection, which will yield essential grund truth data for EO classification/regression algorithms
- Global and national projects on natural resoruces monitoring and agricultural development
- FAO Offices present worldwide
- Collaborations with academia and Space Agencies to develope new EO algorythms and products















FAO PORTFOLIO OF KEY ONGOING EO - BASED ACTIVITIES

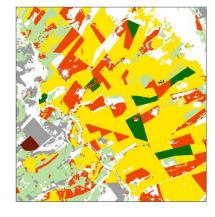
EO-STAT

Scope: Delivery of operational capacity in countries for the generation of dynamic crop maps and extraction of crop statistics (area, yield)

Selected Countries: Senegal, Uganda

Technology: Sen2 Agri — to be migrated to Sen4Stat in the future

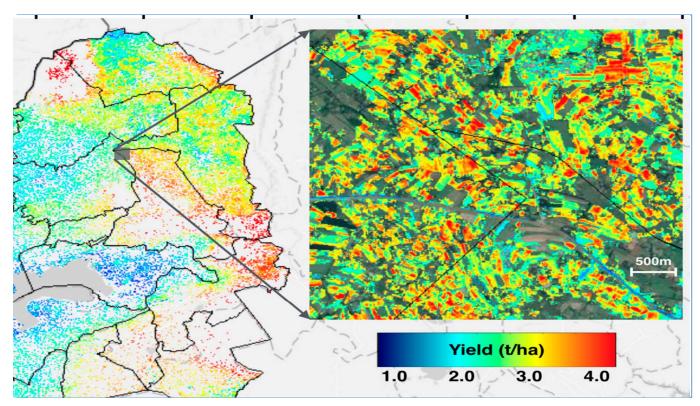
Cloud provider: AWS through the UN Global Platform



LDS1 Lorenzo De Simone, 2/17/2020

EO-STAT DELIVERABLES

- Seasonal maps of main crops (10m resolution)
- Crop area indicator (1km resolution)
- Estimation of crop yield
- Facilitation of the **Sen4Stat** project through sharing of in situ data and provision of intermediate products (e.g. crop masks). Facilitation through engagement with country counterparts



EO-STAT-SENEGAL

Actors



Sentinel 2



AGRIS Surveys & in-situ data



Sen2 Agri toolbox Algorithms & Analytics





National Agricultural Statistics



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Marketplace Alpha

FAO & UN GLOBAL PLATFORM COLLABORATION: STRENGTHS and OPPORTUNITIES FOR SYNERGY

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- Sharing of trusted data, methods and algorythms
- Incubator/accellerator for innovations
- Cloud plarform: Storage and Computing
- Dissemination/Visibility

THANK YOU

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