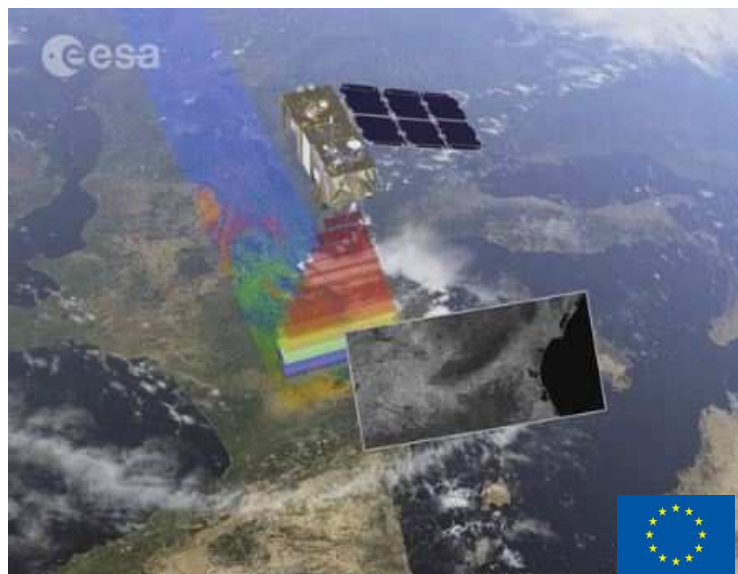


SENTINEL 2 IMAGES WILL IMPROVE MESA THEMA LAND SERVICES in AGRHYMET

Dr Bakary Djaby – AGRHYMET MESA Technical assistant

28/02/2015

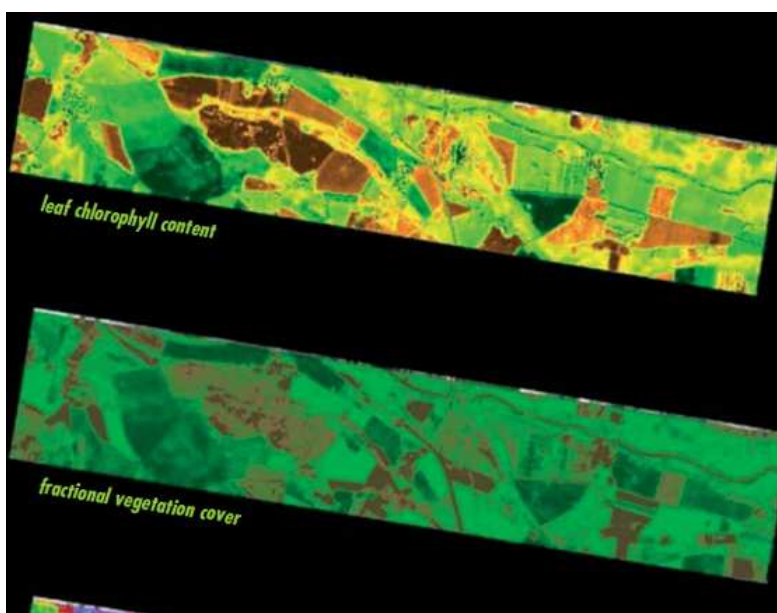


SENTINEL 2 missions, The EU Copernicus program for LAND services, ready to be launch **in mid-June 2015**, Just after **MESA forum in April 2015**. The quality of data in terms of free cloud contents and spatial resolution (10m, 20, 60m) better than LANDSAT images (30 m) and Spot 4 and its global coverage will give to MESA each 10 days, HR

data to provide continuity for our services in West Africa. As mentioned by the ESA's Earth Observation programmes Directors, "Sentinel-2 is relevant for key societal challenges, like **food security for a growing population** and climate change." The case for Africa Thema land region.

With its 13 spectral bands with 4 bands at 10 m, 6 bands at 20 m and 3 bands at 60 m spatial resolution (3 in SWIR for Vegetation and the last one for Atmospheric correction and cloud screening), Sentinel 2 is ready to enhance our MESA Thema land services with Images for land assessment and geophysical variables as LAI, Chlorophyll content.

The images for floods services which is well waiting by West Africa Thema land steering committee and national networks will be available on Sentinel 2.



For Data Distribution, The European Data Relay system and EC are also ready to go forward to provide high-speed communications to the Copernicus Sentinel-2.

MESA eSTATIONver.2 in AGRHYMET REGIONAL CENTER will be ready soon to receive SENTINEL 2 data form JRC