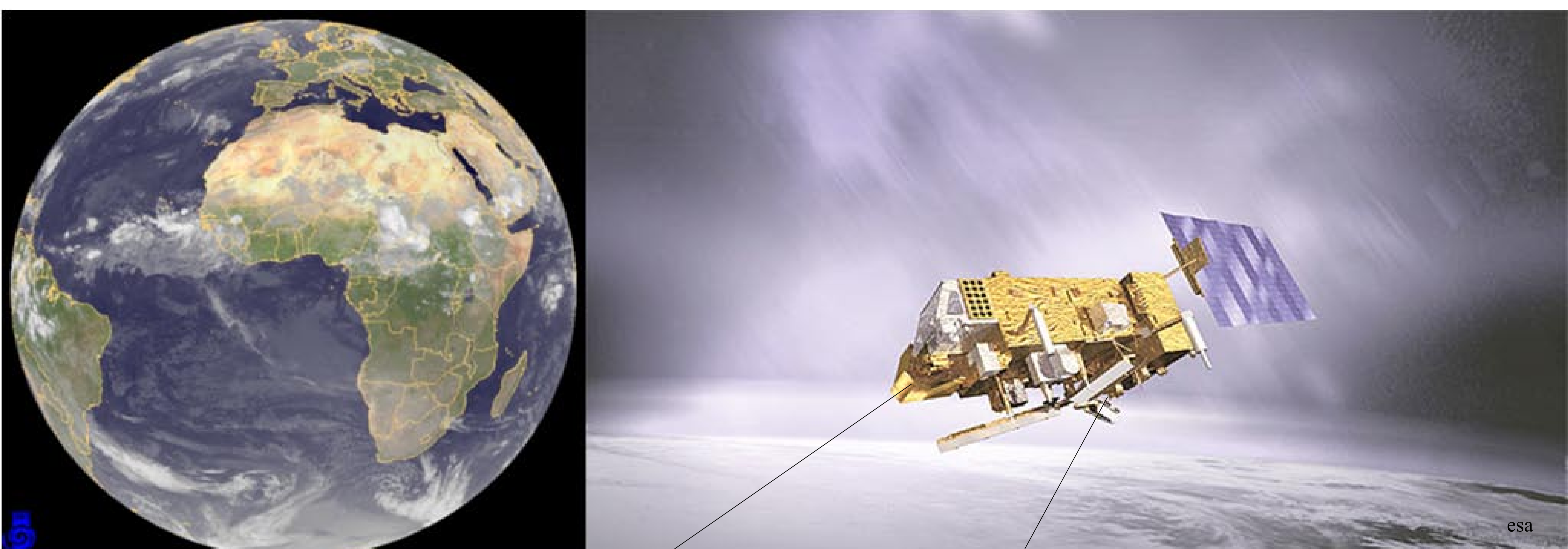


# Monitoring for Environment and Security in Africa (MESA)

## Water Management for Cropland and Rangeland

*From the satellite earth observation to an effective food security management*



### Main objective

Improve the capacities of the national and regional institutions of ECOWAS regions including Mauritania and Chad involved in the environment management, to do a better usage of earth observation data for best water control and a more effective management of agriculture and animal breeding.

### The 3 main services

#### Crop service

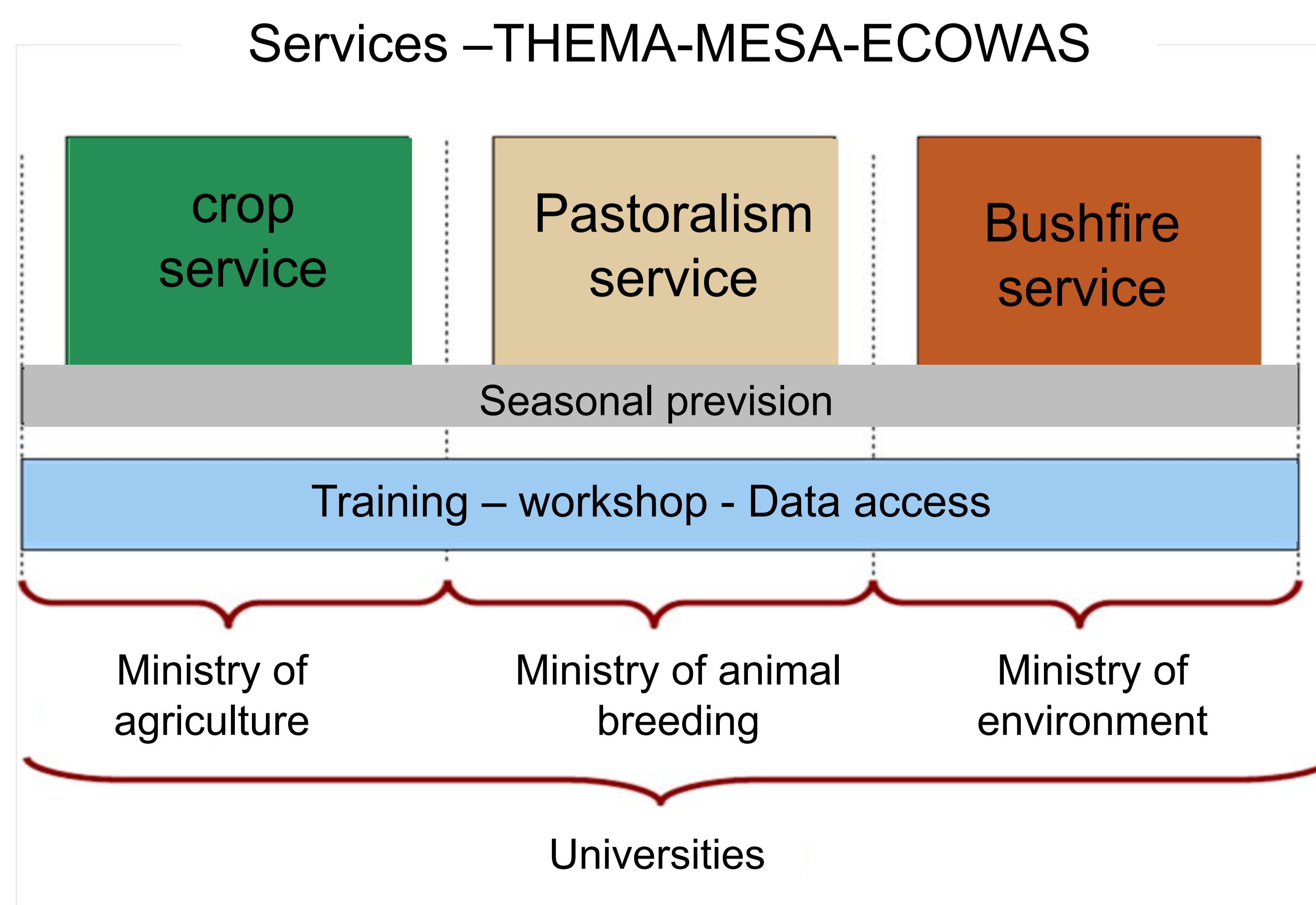
The crop service would monitor the crop situation (advance and tardiness of setting up conditions, water supply situation) and provide result perspectives for food security's early warning.

#### Pastoralism Service

The Pastoralism service would monitor the rangeland situation (vegetation front advance, advance or tardiness compared to the average, potential production of Forage biomass), surface water bodies (Beginning and dryness) in order to support decision taking.

#### Bushfire service

The Bushfires service would provide indications on fire risks (Areas at fire risk before the fire), the monitoring of active fires and burn areas evaluation for a better decision in environment management domain.



### Counties involved

