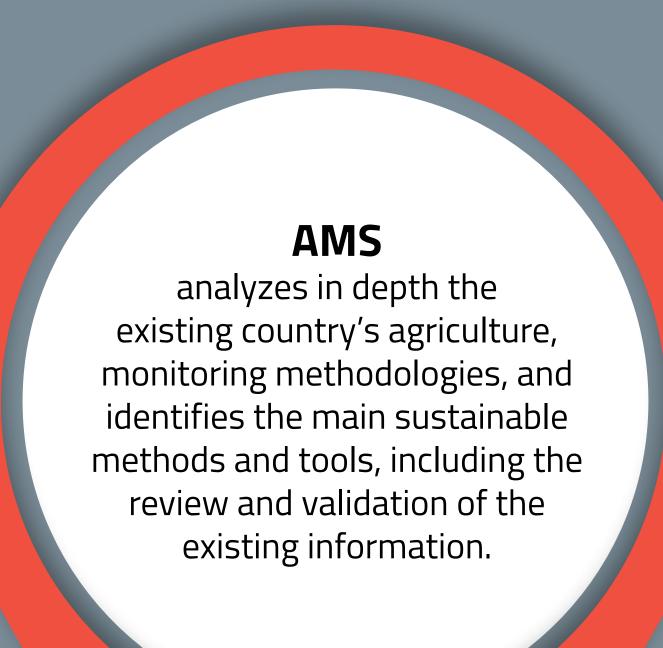![Food and Agriculture Organization of the United Nations](FAO logo)

**Food and Agriculture Organization
of the United Nations**

STRENGTHENING AFGHANISTAN INSTITUTIONS CAPACITY FOR
THE ASSESSMENT OF AGRICULTURE PRODUCTION AND SCENARIOS DEVELOPMENT

AGRICULTURE MONITORING SYSTEMS (AMS)

AMS based on innovative and sustainable methods, tools, geospatial technology and in situ data.

AMS
analyzes in depth the existing country's agriculture, monitoring methodologies, and identifies the main sustainable methods and tools, including the review and validation of the existing information.

AMS
improves data collection, analysis and dissemination systems, based on advanced approaches and technology and integral use of remote-sensed data.

AMS
develops innovative, up-to-date and/or complementary agriculture monitoring systems and improve the quality of data.

AMS
improves area and yield forecasting, crop monitoring and estimation, based on geospatial information.

AMS
generates cropland information including the main crop types and seasonal crop dynamics at national/provincial level based onintegration of the remote sensing, and identifies areas for improvement.

THE PROJECT WILL FOCUS ON RICE AND COTTON PRODUCTIVITY ASSESSMENT AND CROP AREA ESTIMATION FOR 2017 BASED ON RECENT HIGH RESOLUTION GEOSPATIAL INFORMATION:
Proba-V, Aqua/Terra, Landsat-8, Sentinel-1, Sentinel-2, SPOT-5, 6 & 7 and Pleiades-1A & 1B imagery.
It will further develop the existing agriculture monitoring system at provincial level through a regularly scheduled series of actionable crop production reports developed by the agriculture provincial offices.

MAIL