



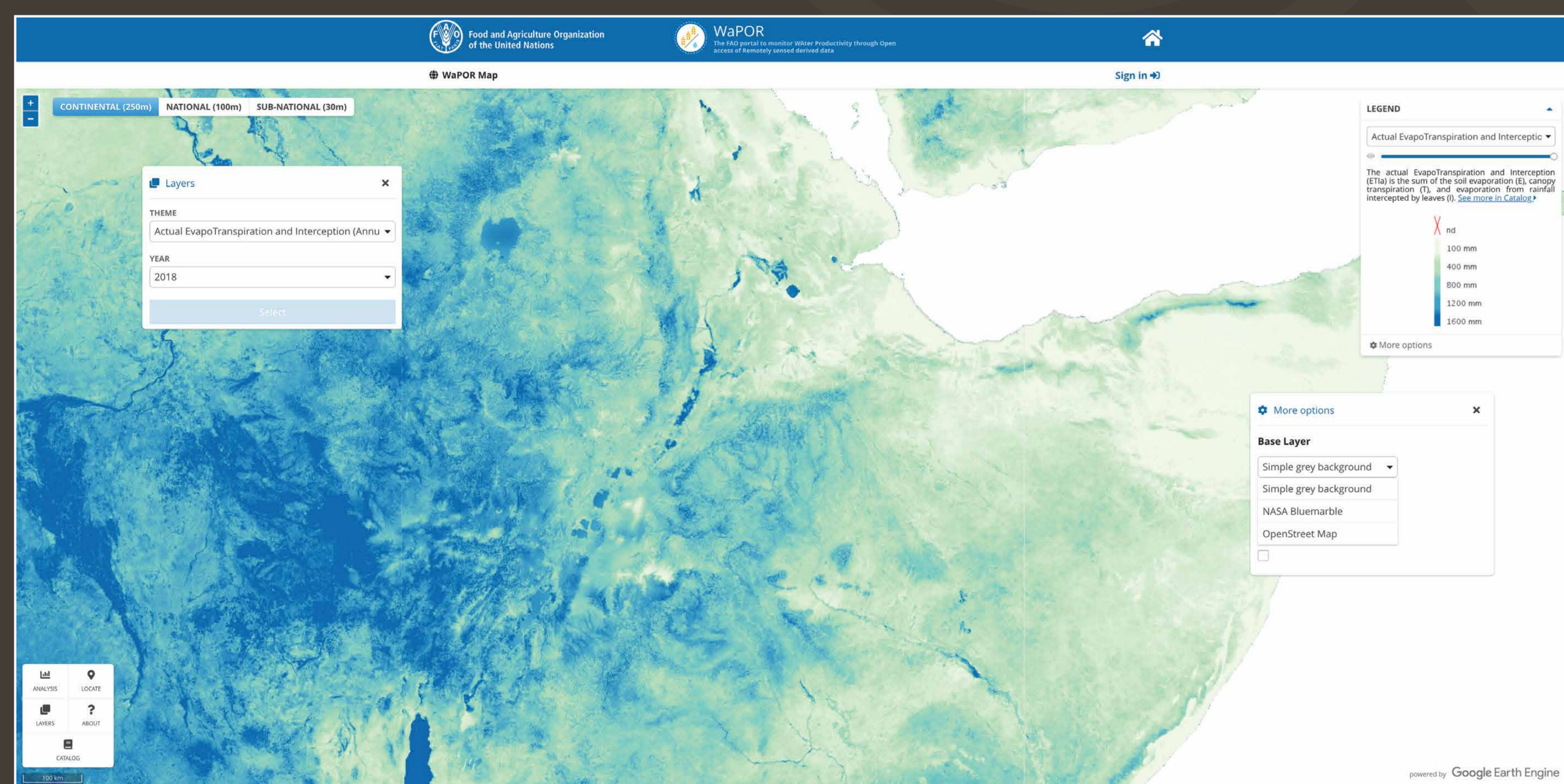
WaPOR

THE FAO OPEN-ACCESS PORTAL TO MONITOR WATER PRODUCTIVITY

Accurate monitoring and improvement of water productivity in agriculture are essential for achieving food security. Using innovations in satellite remote sensing, it is possible to collect and distribute key data for monitoring and understanding water use in agriculture, allowing for targeted intervention strategies.

WHAT IS WAPOR?

WaPOR (Water Productivity through Open access of Remotely sensed derived data) is the FAO database for monitoring water productivity in agriculture. Users have access to a wide variety of near real-time satellite data collected over a ten year span, covering Africa and the Near East. This information can be used in solutions for efficiently and sustainably increasing water productivity in agriculture.



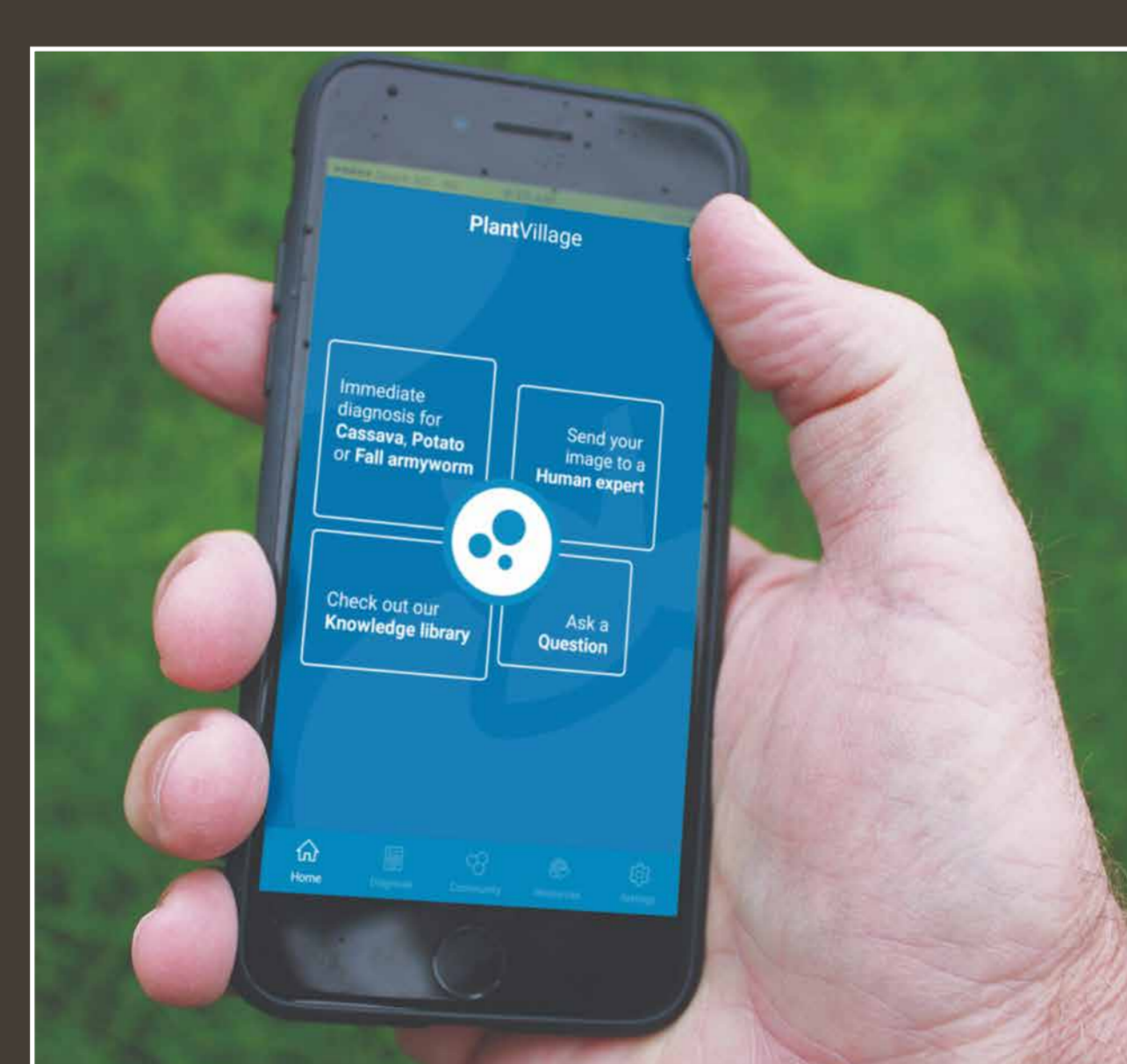
HOW CAN YOU BENEFIT FROM WAPOR?

New technologies, such as WaPOR, provide accessible and reliable information to governments and farmers, allowing for informed decisions on more efficient use of water.

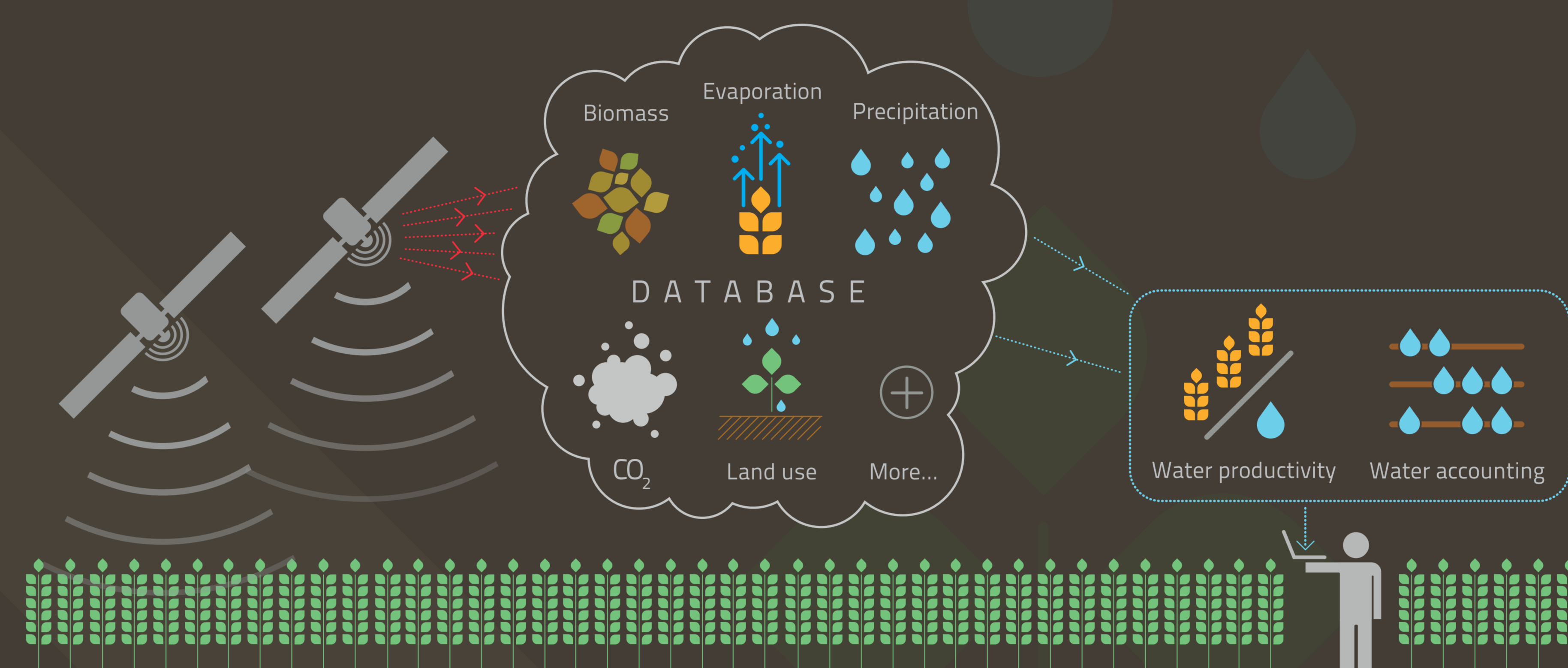
WaPOR allows three different levels of monitoring according to users' needs: from continental level (250 metres resolution), to national and basin level (100 metres resolution), down to field level monitoring (30 metres resolution).



In the field, farmers can access information on water productivity, crop health and vegetation trends, through mobile apps, such as FAO FAMEWS and Plantvillage, developed by FAO and third parties. Farmers are advised, in this way, on agricultural practices to increase soil fertility, reduce water use, or select the appropriate crop to grow in specific climatic conditions.



HOW WAPOR WORKS?



WaPOR uses satellite information to compute and map key variables related to water and agriculture, such as evapotranspiration and biomass production. Evapotranspiration expresses the amount of water that is evaporated back into the air through soil evaporation and plant transpiration. Biomass production is used to calculate crop yield. By combining biomass production and evapotranspiration, WaPOR provides insights on how much crop is produced per "drop" - or cubic metre- of water consumed. This concept is referred to as water productivity, an indicator that captures and combines the performance of agriculture in relation to land and water use.

WAPOR OFFERS UP TO 10 YEARS OF NEAR-REAL-TIME DATA FROM 21 PARAMETERS INCLUDING...

