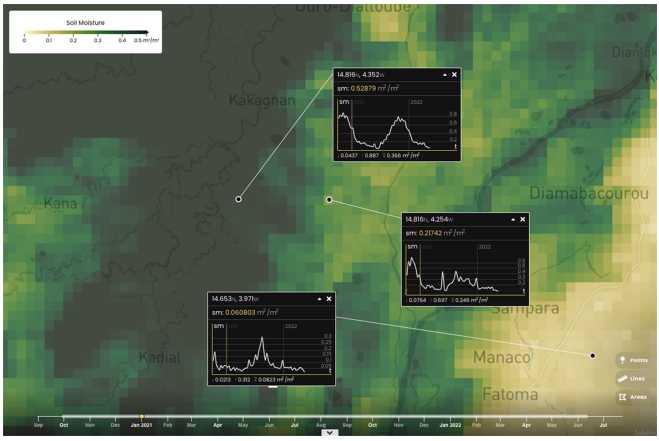
SnapEarth

EarthFoodSecurity

The increasing scarcity in water resources due to variability of precipitation patterns combined with the increasing exploitation of the soil also by agriculture, is resulting in more frequent and stronger extreme events and unpredictable water resource availability throughout the year with consequent impacts on food security in numerous Countries.

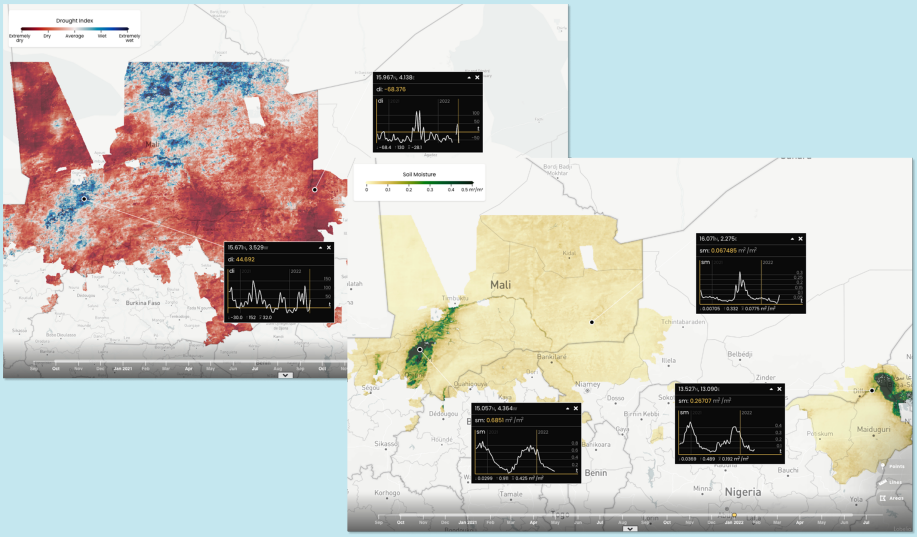
EarthFoodSecurity pilot offers access to high resolution soil moisture data, a key indicator for soil water availability, to address drought at its very early stages.

Through the pilot user can explore the data and build their own data request for any area of the world and monitor the status of processing of their request.



The product is based on validated scientific methodology and offers data globally at 1km resolution, independently from light and weather conditions. The data enable users to monitor evolution and changes of soil moisture and drought indexes, as well as understand historical trends and anomalies.

The accuracy of the product is clearly visible in its sensitivity to basins, rivers and irrigation districts not correctly represented by existing open-access products. Validated in semi-arid regions, it is ideal for large-scale applications and for regions particularly affected by limited hydrological resources.



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