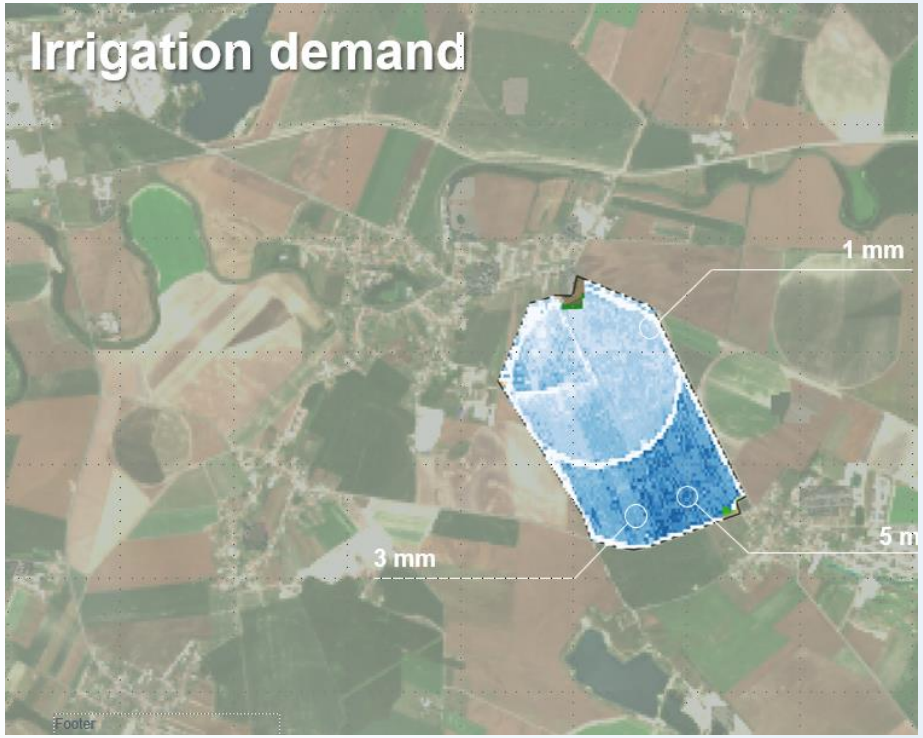
EO services contributing to SDGs

Agri360

- User: Governments/Agro food producers, NGOs
- Challenge/Needs: The increase of water use efficiency is essential for the global agricultural sector – both on local and regional scales. Food security and quality are dependent on how planners, irrigation managers, government institutions and farmers communicate and coordinated land use, water use and extraction. A large majority of worldwide freshwater withdrawals are for agricultural use and specifically for crop irrigation comprising up to 70% of withdrawn freshwater resources. Better use of water resources is becoming critical in many places.
- Initiative: Commercial product as a result of several years R&D
- Results: Agri360.io is a set of irrigation planning tools to assess water use efficiency based on primarily remotely sensed images ingested into a hydrological model allowing farmers and water utility managers to estimate, forecast and plan irrigated water use and water use efficiency in agriculture.
- Service Provider: DHI GRAS

Target 6.4: By 2030, substantially increase water-use efficiency across all sectors and ensure sustainable withdrawals and supply of freshwater to address water scarcity and substantially reduce the number of people suffering from water scarcity.



Example: The satellite data coupled with advanced modelling and weather forecast allow us to forecast irrigation demand.

Reference: https://agri360.io / https://www.dhi-gras.com/projects/eo4sdg/