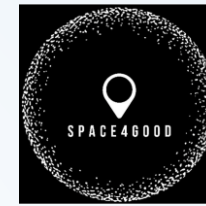


EO services contributing to SDGs

Monitoring Changes in Groundwater Storage



- User: Governmental entities, NGOs, humanitarian aid organizations
- Challenge/Needs: Increasing amount of groundwater abstraction resulting in significant decline over time, thereby increasing irrigation costs, consequential ecological imbalance, and affected livelihood of populations dependent on groundwater based agriculture
- Initiative: Short-term and Long-term analysis to understand groundwater variability
- Results: Analysis revealed the groundwater deficit areas in the country, thus showing withdrawals in these areas that have exceeded recharge.
- Service Provider: Space4Good (IOM UN Migration)

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. Indicator 6.4.1 and 6.4.2: Water use efficiency and Water stress

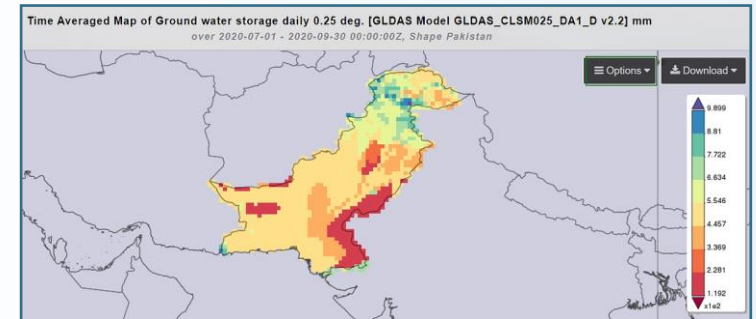


Fig 1. Groundwater Storage Map

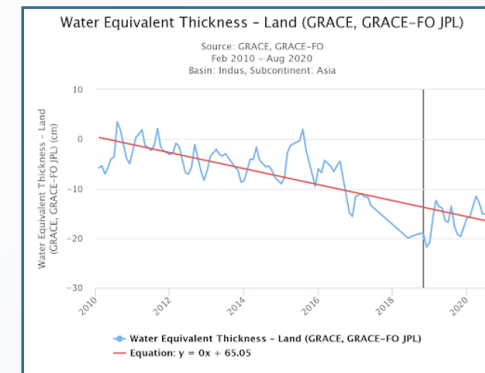


Fig 2. Water Equivalent Thickness