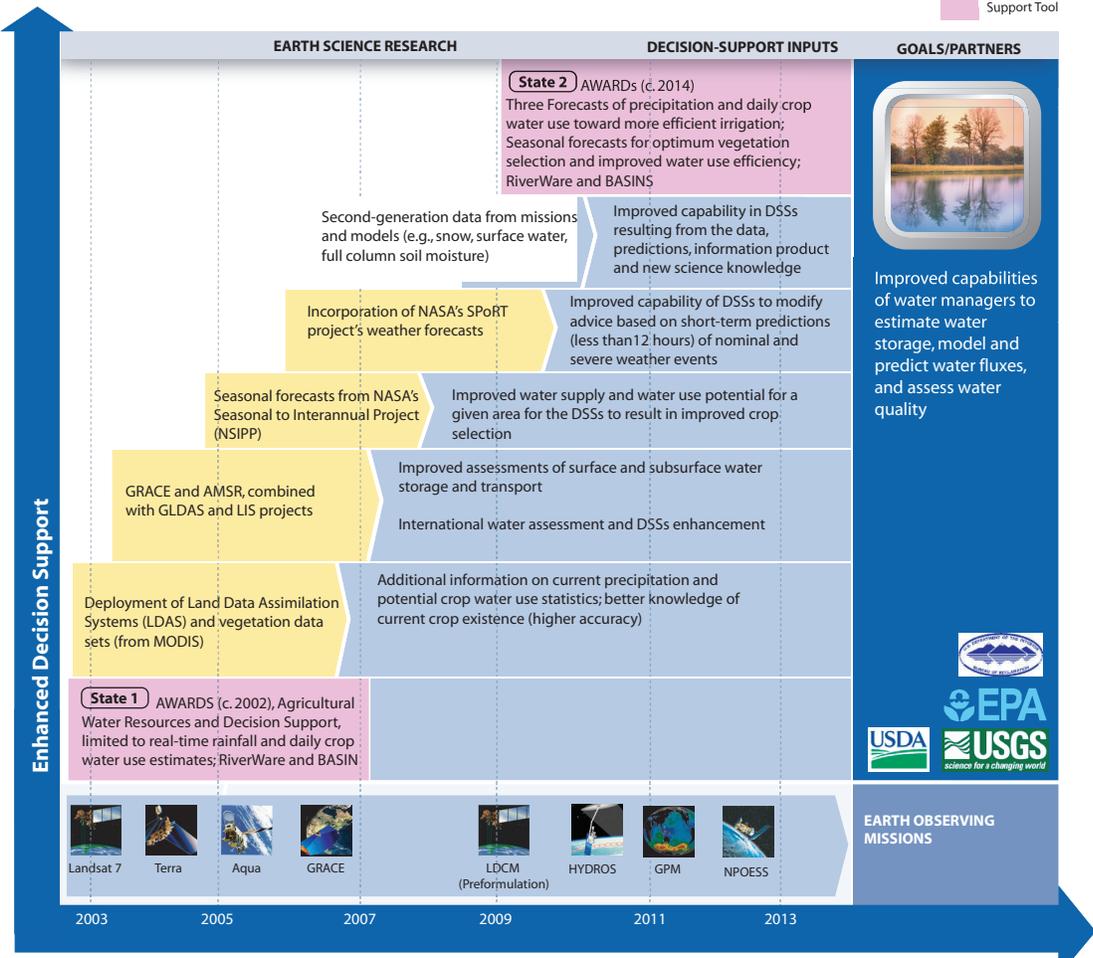


Roadmap Water Management



Where we are now

Decision tools for water management sparsely use information on land cover, land cover change, short-wave radiation, and precipitation provided by Earth observing satellites such as Aqua, Terra, and TRMM

NASA missions Landsat 5 & 7 and AVHRR relied upon for assessment of water quality and anomaly detection

NASA data products incorporated into NOAA and Air Force data sets are occasionally picked up by distributed users

Where we plan to be

Earth science missions OCO, HYDROS, and Aquarius provide measurements of atmospheric carbon, soil moisture, and ocean salinity that are seamlessly integrated into all appropriate DST modules, including weather and climate model systems that are coupled to DSTs

Space-based tracking of water storage changes beneath the Earth's surface allow for monitoring of changes in aquifer water storage

NASA resources for augmenting USDA DSTs and its soil moisture model, SWAT, identified and implemented

2004 ————— 2012