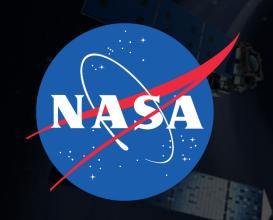
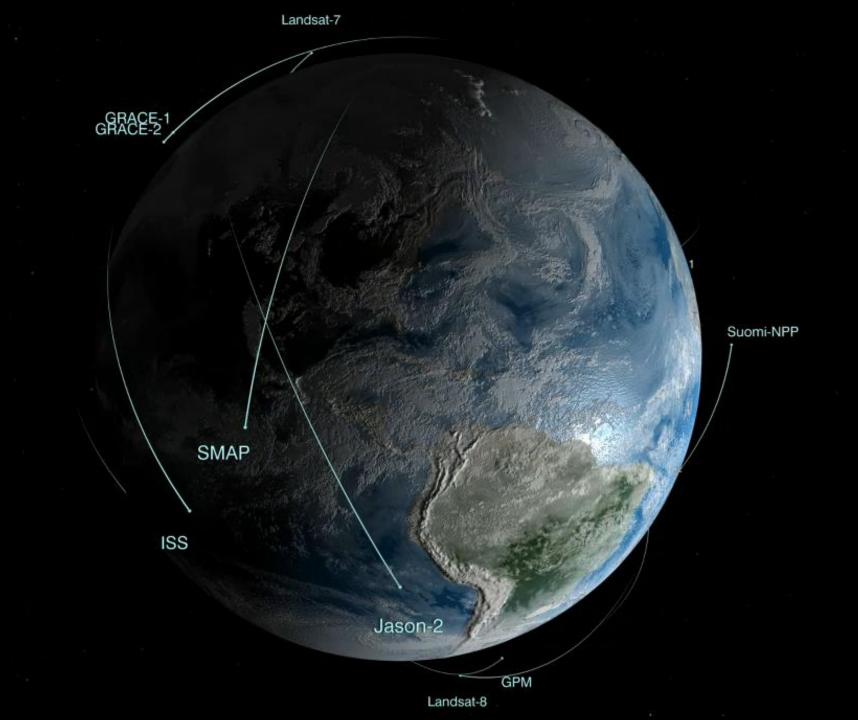
SYSTEMS THROUGH SATELLITE OBSERVATION PROGRAMS



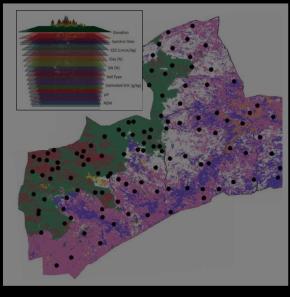
Keith Gaddis

NASA Headquarters - Earth Science Division Applied Sciences and Research & Analysis Programs



NASA & Ecosystem Services

Funded Proposals



Workshop Series





EO4EA



NASA-CI Partnership







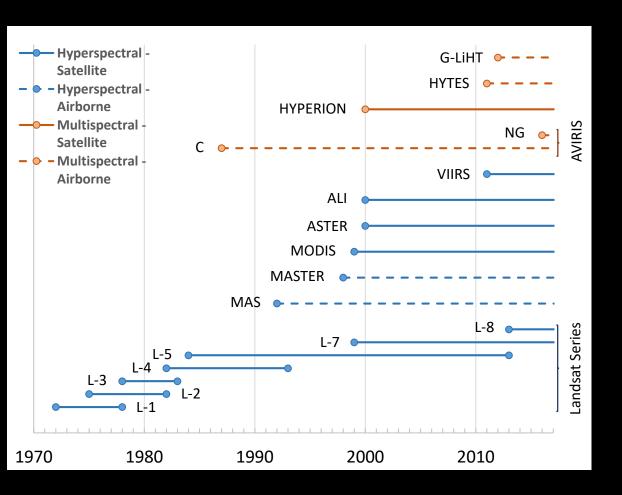
Direct Sensing of Biological Diversity

Land cover



Direct Sensing of Biological Diversity

Land cover















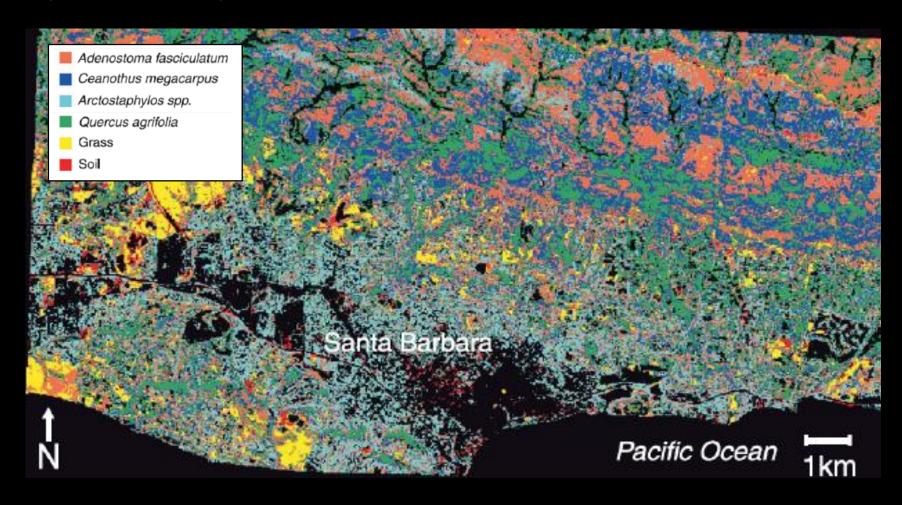






Direct Sensing of Biological Diversity

Species Composition







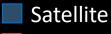








HyTES

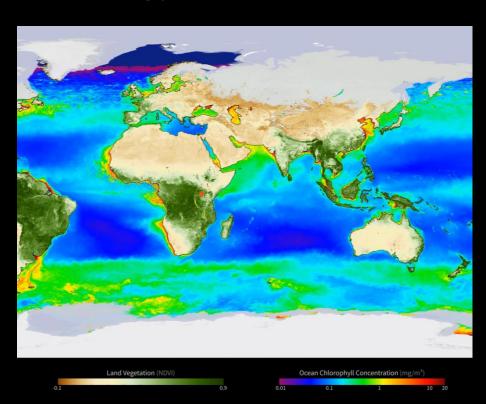


Aircraft

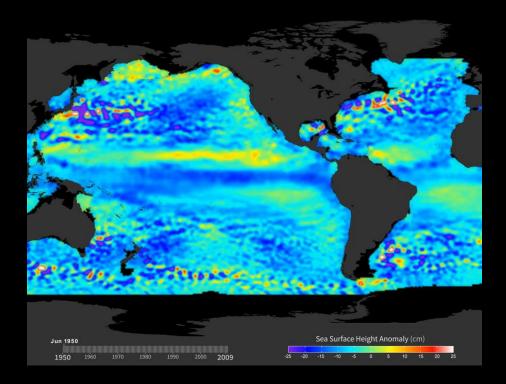
Shuttle or ISS

Indirect Sensing of Biological Diversity

Phenology



Ocean Color and Circulation















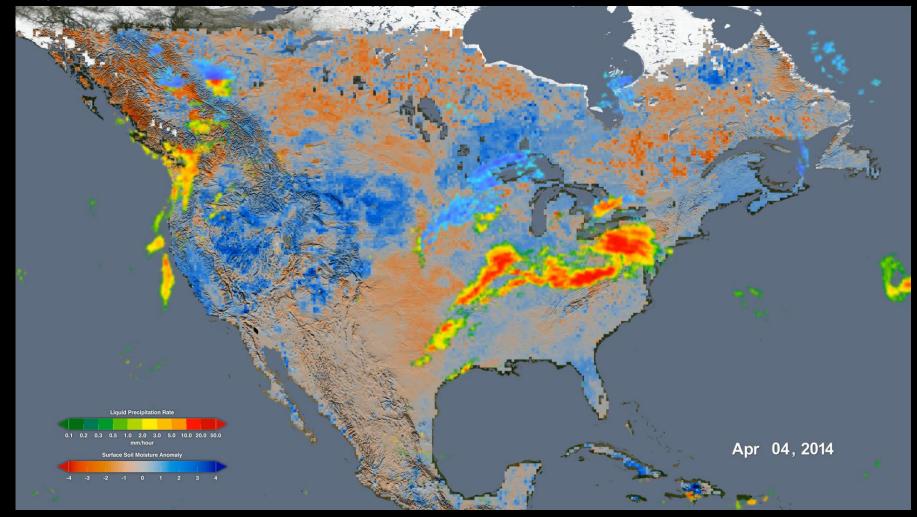






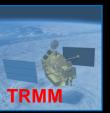
Climate

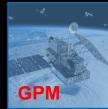
Rainfall and Soil Moisture



















Satellite

Aircraft

Shuttle or ISS

Habitat Structure

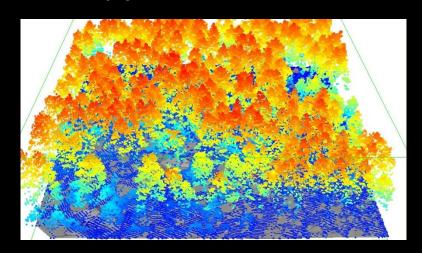
Topography



Aerosols

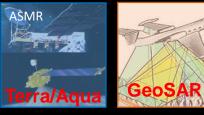


Canopy Structure

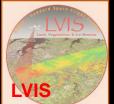


Nightlights and Wildfires





















- Satellite
- Aircraft
- Shuttle or ISS



AρρEEARS!

Application for Extracting and Exploring Analysis Ready Sample:

https://lpdaacsvc.cr.usgs.gov/appeears/

ARSET

Applied Remote Sensing Training

https://arset.gsfc.nasa.gov/

Keith.Gaddis@NASA.gov