



National Aeronautics and
Space Administration

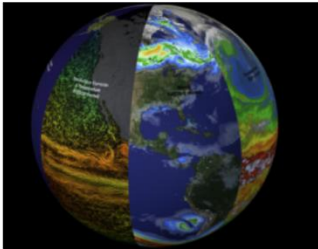
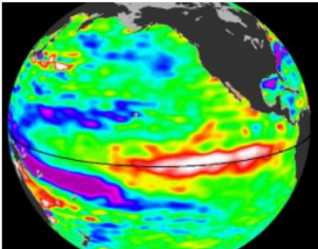
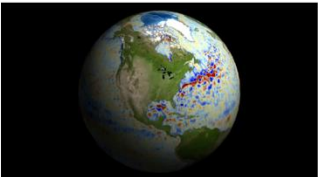
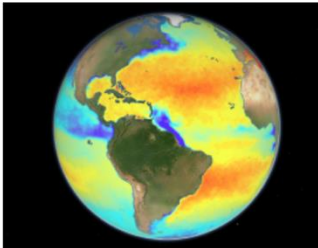
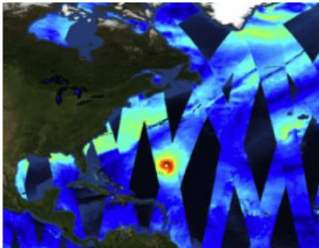
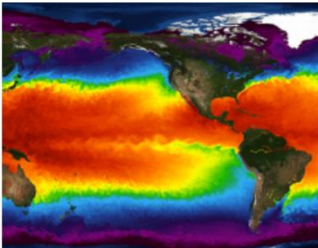
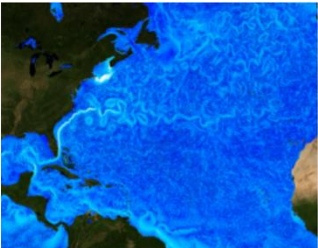
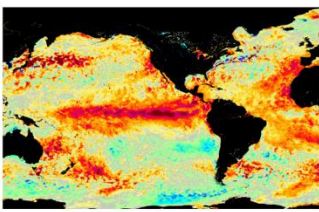
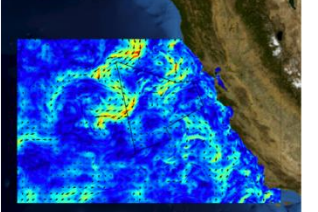
NASA Ocean Physics

Dr. Nadya Vinogradova Shiffer

NASA Science Mission Directorate, Earth Science

Hydrosphere PI meeting · September 1-3, 2026 · Washington, DC



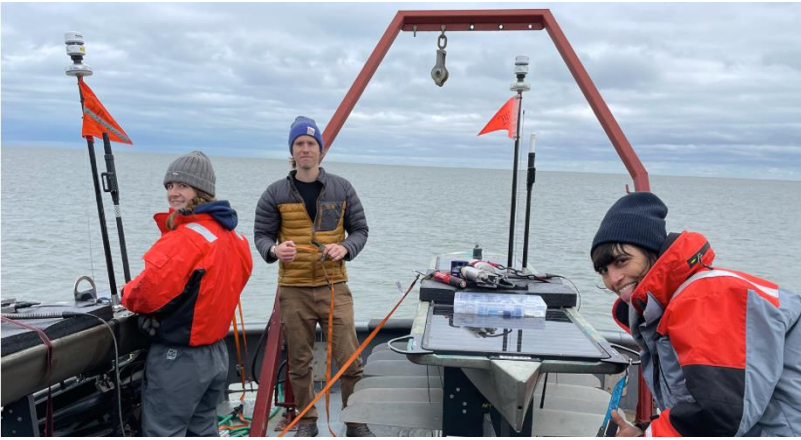
 Physical Oceanography (PO)	 Sea Level Change (N-SLCT)	 Ocean Surface Topography (OSTST)	 Surface Water and Ocean Topography (SWOT)
 Ocean Surface Salinity (OSST)	 Ocean Vector Winds (OVWST)	 Sea Surface Temperature (SST)	 Estimating Circulation and Climate of the Ocean (ECCO)
 Coastal Resilience	 Ocean Heat and Earth Energy	 Salinity and Stratification at the Sea Ice Edge (SASSIE)	 Sub-Mesoscale Ocean Dynamics Experiment (S-MODE)

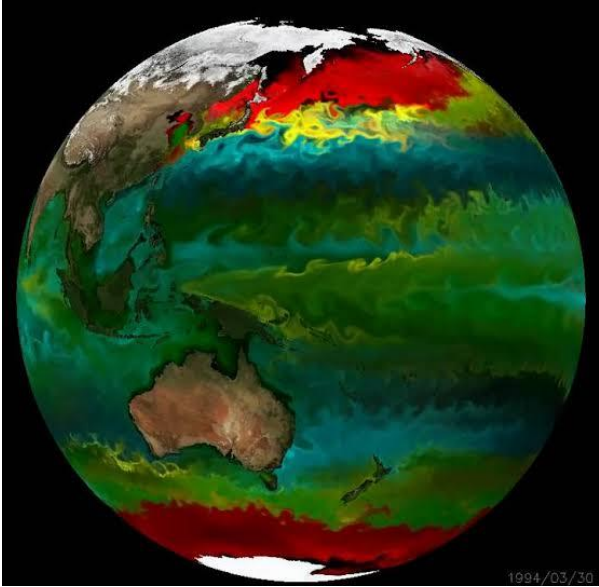
NASA Ocean Physics

Science Teams & Missions



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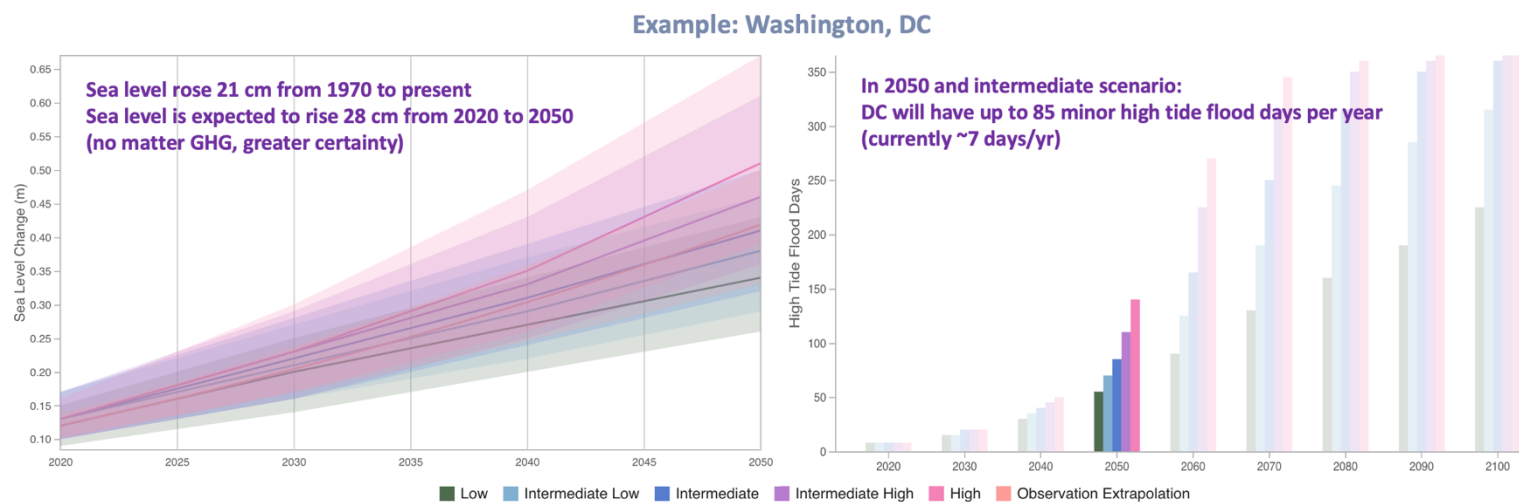






NSLCT 2014

GMSL ~6 cm



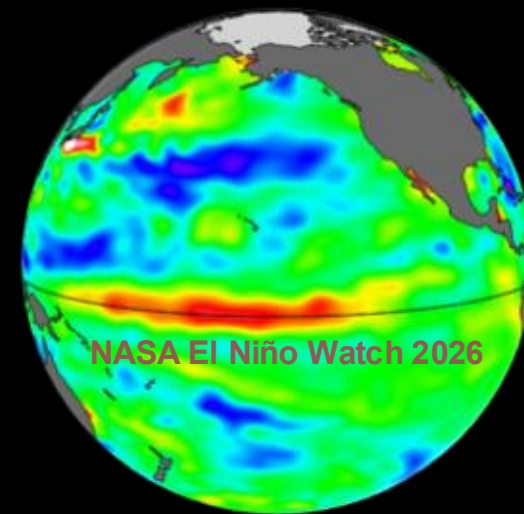
NSLCT 2024

GMSL ~10 cm



Sentinel-6B

Type	Orbiter
Target	Earth
Status	Current
Launch	Nov 16, 2026



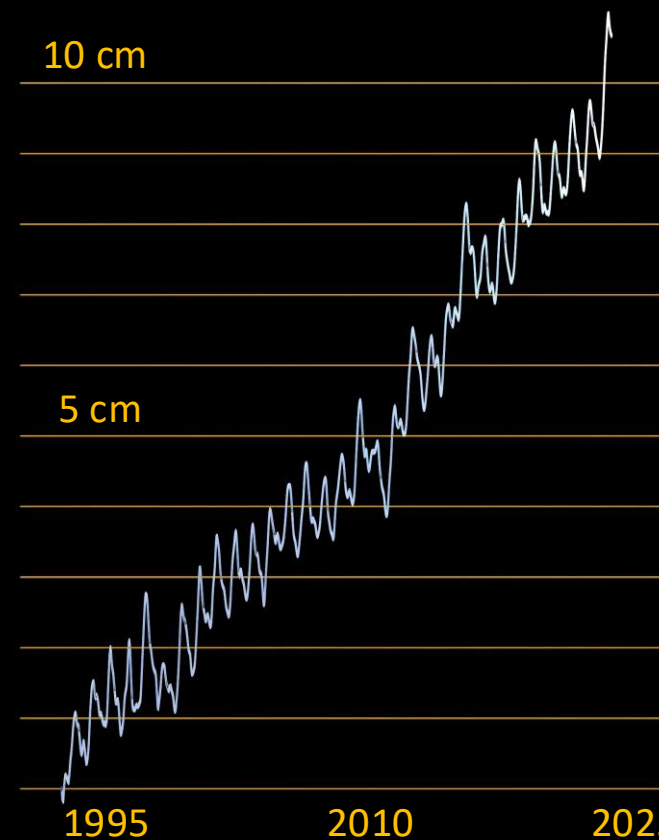
10 cm

5 cm

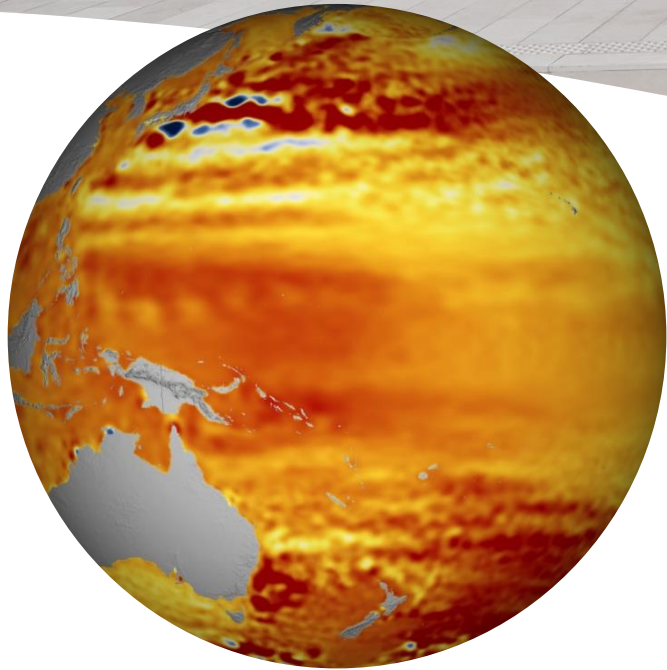
1995

2010

2025

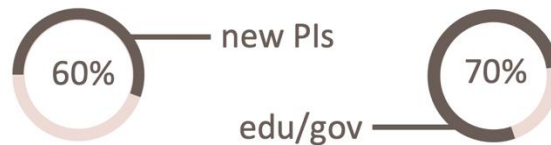






NASA-NOAA OSTST 2025-2028:

70+ members · 20+ projects · \$12M



Welcome New Team!

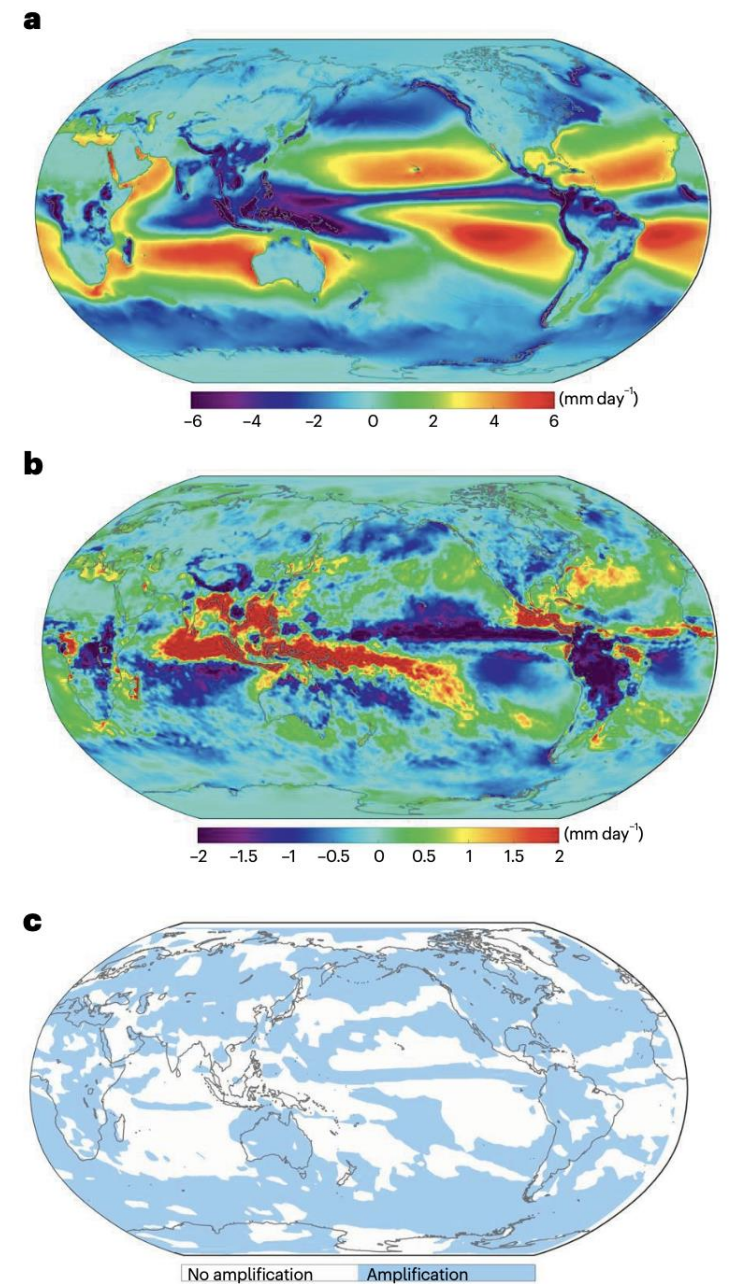
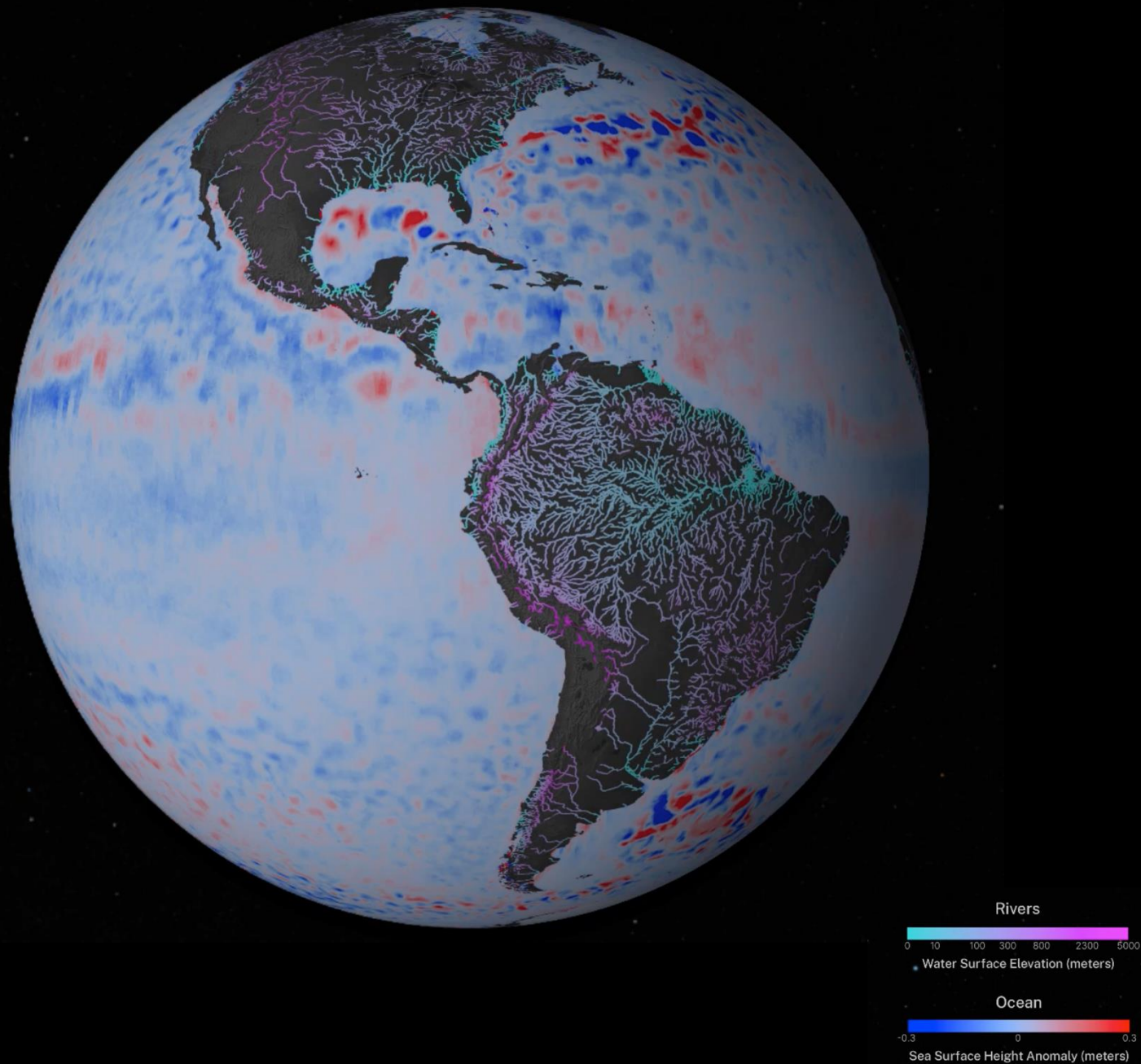


Fig. 1 | The steady state of the global water cycle and changes over the past three decades.

Vinogradova et al., 2025