How NASA Missions and Research Inform Climate Decisions

DR. KATE CALVIN
NASA Chief Scientist and Senior Climate Advisor
NASA Soil Moisture Data Advances USDA Global Crop Forecasts

Sea Level Projection Tool

This online dashboard builds off data from the UN's Intergovernmental Panel on Climate Change (IPCC) recent report. The tool allows users to visualize and project sea level on global and regional scales from 2020-2150.
Greenhouse Gas Observations

• NASA’s Earth Surface Mineral Dust Source Investigation (EMIT) launched to the International Space Station in 2022. The mission will map Earth’s mineral dust, but also has the ability to detect methane. The image on the bottom right shows a methane plume two miles southeast of Carlsbad, New Mexico.
Disaster Response
NASA’s Open-Source Science Initiative

The global challenges we face require us to face them together, in the open.
NASA and DEIA

Diversity and Inclusion
We define diversity broadly as “the entire universe of differences and similarities” and inclusion as “the full participation, belonging, and contribution of organizations and individuals.”

Equity
We define equity as “the consistent and systematic provision of fair, just, and impartial treatment to all individuals, including individuals who belong to underserved communities that have been denied such treatment.”

Accessibility
We define accessibility as “the capability for full and independent use by all people, including people with disabilities, of technology, programs, and services through inclusive design, construction, development, and maintenance of facilities.”
NASA’s Earth Information Center
Thank you!