



Climate Change Monitoring and Impacts Assessment using NASA Earth Observations

Pecora - October 24, 2022

1:30 - 5:30 PM

1:30 - 2:30

Session 1: Introduction to Climate Change

- Welcome, Introductions, About ARSET
- Overview of Climate Change
- Monitoring Climate Change Drivers using NASA Data

2:30 - 3:50

Session 2: Earth Observations for Climate Change Impacts (Land & Atmosphere)

- Overview
- Phenology
- Flooding
- Drought (Climate Engine Exercise)
- Urban Heat Island (UHI) and Extreme Heat (Google Earth Engine Exercise)
- Wildfires and Smoke (Worldview, FIRMS Exercise)

4:00 - 4:40

Session 3: Earth Observations for Climate Change Assessment (Ocean & Ice)

- Overview
- Sea Level Rise
- Exercise

4:40 - 5:30

Session 4: Climate Models, Policy, & Decision Making

- Climate Models and Adaptations
- NASA's Earth System Observatory (ESO)
- Q&A and Survey



ARSET empowers the global
community through remote
sensing training.

appliedsciences.nasa.gov/arset