Welcome
NOAA GOES-R Satellite
Bonnie Murray
NASA Langley Research Center
TRACING LAVA FLOW: When Hawaii’s Kilauea volcano erupted, NASA Earth Science used Earth-observing systems to support emergency responders who were working to protect the community.

Click here to view the Schedule of Applied Sciences Program events at the American Geophysical Union Fall Meeting in December 10th-14th, 2018.
**FOREST CHANGE**

- Tree cover loss
  - Displaying loss with >30% canopy density.
  - Tree cover loss is not always deforestation.

**LAND USE**

- Oil palm
  - For more information about this layer, check out GFW Commodities.
- Palm Oil Mills
Navajo Nation Drought
Training with Natural Resource Managers

Amber McCullum, BAERI/NASA Ames
Carlee McClellan, Navajo Nation Department of Water Resources
Justin Huntington and Britta Daudert, Desert Research Institute
https://www.youtube.com/watch?v=jqiCWcBsHP4
Connecting remote sensors with ground sensors

- GLOBE Observer
- NASA Eyes on Earth
Maps of satellite data

NASA Worldview
Sources for data

MyNASAData
Online sessions

Explore Earth: Mission Geography
Thursday 04/25/2019
6:00 pm ET (3:00pm PT)
FREE 1-hour Webinar
Educators in Grades 4-12

The NASA STEM Educator Professional Development Collaborative at Texas State University is providing a 1-hour webinar.

NASA Mission Geography is an Earth-based curriculum that integrates STEM, geography and the language arts with Earth observations, remote sensing, and maps that investigate our Earth and the processes that shape it, both natural and human influenced. Utilizing the unique perspective from space, Mission Geography brings our Earth to life with active, exciting student learning.

Steve Culivan is the NASA STEM Education Professional Development Collaborative Specialist at the Stennis Space Center in Mississippi. Mr. Culivan develops and provides NASA STEM online and face-to-face professional development programs for in-service, pre-service and informal educators. Mr. Culivan was the Principal Investigator for two International Space Station (ISS) in-flight education demonstrations. He additionally developed and co-developed several NASA STEM lessons and lesson guides. Prior to his current thirty year career with NASA Education, Mr. Culivan taught middle school Earth and Space Science, life science, English, art and coached several sports. He holds a current teaching certificate in science and English. Mr. Culivan received his Bachelor of Arts degree in Education from Louisiana Tech University and a Masters of Science degree in Education from Oklahoma State University.

Archived Webinars
Tuesday, March 19, 2019 @ 9:00am EDT (1:00pm UTC): Our Connection to the Land: Observing Trees and Forests Using Citizen Science for Language Revitalization. Oscar Garza and student named “c-Pulis” (White-tailed doe) from the Kalispel Salish Tribe showed how GLOBE protocols (specifically Green Up/Green Down) and citizen science have the potential to help efforts of many communities around the world in their task on language, culture and landscape revitalization and preservation in a dual-learning environment. Many indigenous cultures around the world possess a different perspective about forestry and our connection to the land. They hold a vast richness of Traditional Ecological Knowledge (TEK). Much of that richness is embedded in the language. Oscar will be respectfully shared his experience from work done at Kalispel Language Survival School (K-4) and almost 2 years of Forestry college at Salish Kootenai College in efforts to revitalize the language in the Salish corridor.

Links to websites shown during the webinar:
2019 Year of Indigenous Languages
Oscar Garza’s Kalispel Salish Presentation