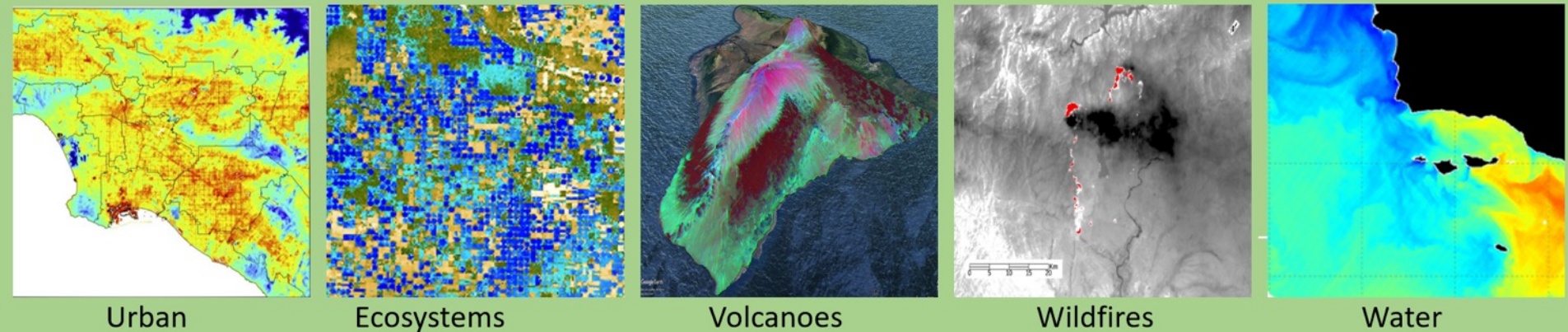




# ECOSTRESS Science and Applications Team Meeting August 17-19, 2021



## Headquarters Update

Woody Turner  
Earth Science Division  
NASA Headquarters

August 17, 2021



# ECOSTRESS: Steady as She Goes

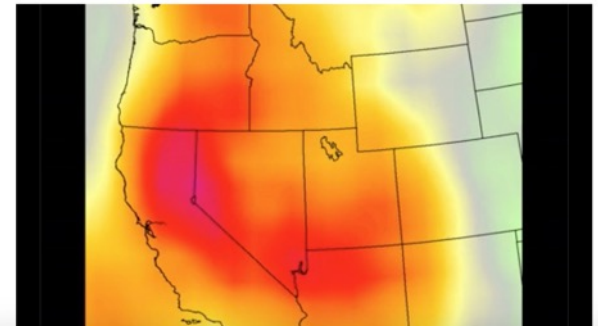
- Plugging along—and that’s good!
- More time on ISS—also good!
  - JAXA replacement payload is delayed
  - ECOSTRESS now on ISS through September 2023
    - HQ: Funding will be there for this (see Jamie Wicks’ talk tomorrow)
    - Last December, we were talking about ECOSTRESS through FY21, i.e.: next month
- Still, Potential Multispectral TIR Gap?
  - From ECOSTRESS end of life until launch of CNES/ISRO TRISHNA, then SBG, then ESA’s LSTM
- ECOSTRESS is hot!
- Keep those Cards and Letters Coming
  - Share Results with Us
  - Take advantage of ISS instrument synergies
    - EMIT launch next year
    - Eye on SBG and TIR
  - Tell Your Stories!



EARTH

NASA Tracks Heat Wave Over US Southwest

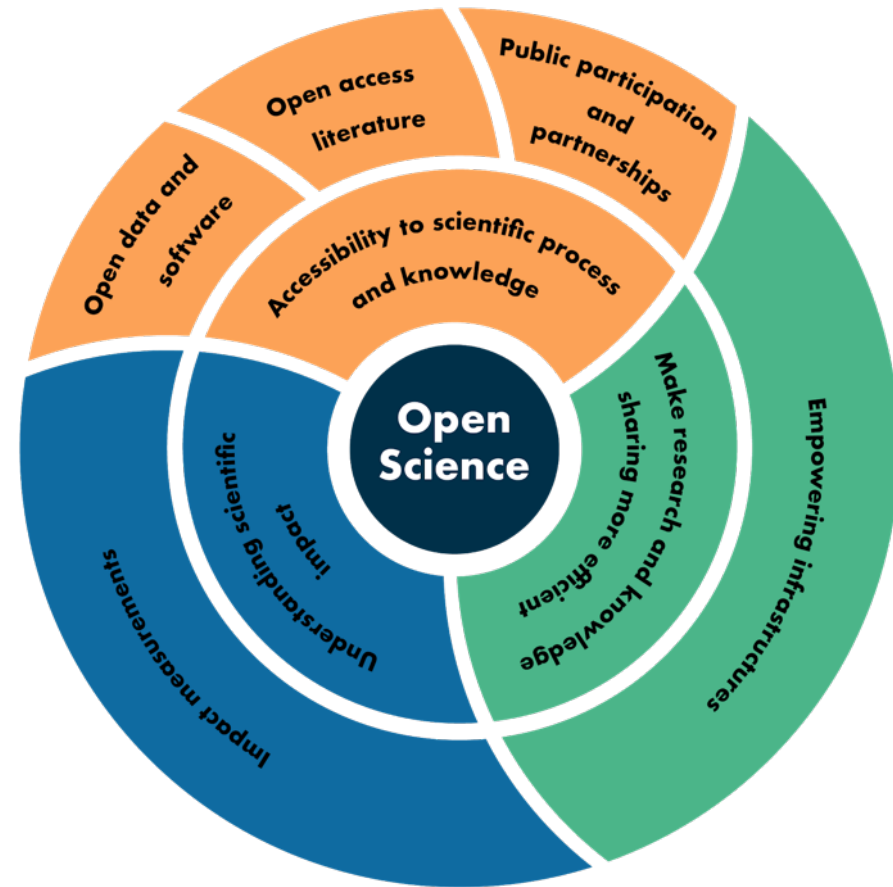
Jul 15, 2021





# ESO Over All

- By end of this decade, NASA will put into orbit the Earth System Observatory (ESO) – a single observation system comprised of five core satellite missions and three Earth Explorer missions.
- ESO is the heart of our implementation strategy for the Decadal Survey.
- ESO builds on the capabilities of NASA's 23 operating missions and the 18 in development that make up the program of record.
- Competitively selected Earth Explorer missions will bring innovation and additional key observations to the ESO - the private sector, academic community, and international space agencies will have significant roles in ESO success.
- NISAR serves as the ESO “trailblazer,” addressing one of five core observables, involving substantial international partnership, advancing open source science, and strongly coupling research and applied science.
- OSS makes ESO an observatory



# Welcome Mike!



Dr. Michael Obland  
Mission Manager for Operating Missions  
NASA Earth System Science Pathfinder Program Office  
(ESSPPO)

[michael.d.obland@nasa.gov](mailto:michael.d.obland@nasa.gov)

- Have been with NASA for 14 years, primarily as an airborne lidar scientist and project manager
- Joined ESSPPO in December 2020
- Helps NASA HQ manage funding and technical assessments of its Earth science operating missions

# Welcome Keith!



Dr. Keith Gaddis  
Program Manager for Ecological Forecasting  
Program Scientist for Biological Diversity  
PS/PAL for ECOSTRESS  
[keith.gaddis@nasa.gov](mailto:keith.gaddis@nasa.gov)

- Have been with NASA for ~5 years, supporting programs and leading interagency/private partnerships
- UCLA PhD in Biology; former AAAS Fellow, Visiting Assistant Professor Texas A&M University, and Peace Corps Volunteer in Mauritania
- Ecologist/Biogeographer using remote sensing/genetics



**Thank You!**