

ECOSTRESS Interim Science and Applications Team Meeting

Tuesday, December 1, 2020

FIRST TALK: 8:00 AM PT

webex link:

<https://tinyurl.com/dec1eco>

full address:

<https://jpl.webex.com/jpl/j.php?MTID=m8cbce970b99f05c4bd165c80f23e29a0>

Meeting number: 199 534 9998 and Password: nQsu6AgGJ22

Time (Pacific)	Minutes	Title	Speaker	
8:00 AM	PT	0:10	Meeting open: welcome and Introduction to ECOSTRESS	Simon Hook
8:10 AM	PT	0:10	NASA HQ welcome to ECOSTRESS team meeting	Woody Turner
8:20 AM	PT	0:15	Overview of ECOSTRESS Science and Applications	Josh Fisher
8:35 AM	PT	0:10	Data Overview, Processing, Products	Dana Freeborn
8:45 AM	PT	0:15	L1BGEO and Geolocation	Tom Logan
9:00 AM	PT	0:10	L2 Land Surface Temperature and Emissivity + Cloud Mask	Glynn Hulley
9:10 AM	PT	0:10	L3/L4 PT-JPL Planned Update: Estimating Daily High-Resolution Vegetation Index to Support ECOSTRESS Evapotranspiration Processing	Maggie Johnson and Gregory Halverson
9:20 AM	PT	0:10	L3/4 (ALEXI) Evapotranspiration and Evaporative Stress Index	Yang Yang
9:30 AM	PT	0:05	LP DAAC Updates	Tom Maersperger
9:35 AM	PT	0:15	Break	
9:50 AM	PT	0:10	ECOSTRESS and IrriWatch	Wim Bastiaanssen (N+9)
10:00 AM	PT	0:15	Investigating Dynamic Thermal Processes to Optimize Geothermal Hotspot Detection	Christoph Hecker (N+9)
10:15 AM	PT	0:15	New Estimates of Terrestrial Carbon and Water Fluxes by Combining the Carbonyl Sulfide Stomatal Conductance Tracer Framework and High Resolution Surface Data	Mary Whelan
10:30 AM	PT	0:15	ECOSTRESS Surface Temperature over Inland Waters for Aquatic Ecosystem Applications	Christine Lee
10:45 AM	PT	0:15	Examining the Relation Between Biodiversity and Surface Temperature Regimes in Localized Coastal Upwelling Zones Using ECOSTRESS	Daniel Otis
11:00 AM	PT	0:15	Heat and Desiccation Risk Prediction in Intertidal Shellfisheries	David Wethey
11:15 AM	PT	0:15	Thermal Stress in South Florida Estuaries: A Multi-Sensor Assessment	Chuanmin Hu
11:30 AM	PT	0:15	Developing Spatial Real-Time Forecasts of Mosquito-Borne Diseases	Nicholas DeFelice
11:45 AM	PT	0:15	Evaluating the Potential of ECOSTRESS for Predicting Wildfire Effects on Plant Community Structure and Water Relations in an Arizona Sky Island Pine-Oak Forest	Helen Poulos
12:00 PM	PT	0:35	LUNCH BREAK	Lunch (full break)
12:35 PM	PT	0:25	LUNCH LIGHTNING TALKS - Sanjana Paul / Katie Patrick - ECOSTRESS Urban Canopy Hackathon (5m) - Lynn Torak - ECOSTRESS radiance for detecting irrigation - Chip Miller / Surface Biology and Geology (5m) - Gamet Philippe / TRISHNA (5m) - Ben Koetz / LSTM (5m)	Lunch talks
1:00 PM	PT	0:10	NASA Headquarters Earth Science: ECOSTRESS and the community	Karen St. Germain
1:10 PM	PT	0:10	Discussions regarding ECOSTRESS and ISS	Jamie Wicks
1:20 PM	PT	0:15	Headquarters Q&A and Impact Discussion	Simon Hook
1:35 PM	PT	0:15	Merging ECOSTRESS with Field Data in the Highest Uncertainty Water Use Efficiency Regions in the World	Christopher Doughty
1:50 PM	PT	0:15	Changing Landscapes, Urban Heat Island and the Effects on City Water Conservation Policy	Soe Myint
2:05 PM	PT	0:15	Break	
2:20 PM	PT	0:15	Exploiting Diurnal Cycles to Evaluate Vegetation Responses to Heat and Drought Stress	Christian Frankenberg
2:35 PM	PT	0:15	Evaluating a CONUS-Wide disALEXI Evapotranspiration product	Kerry Cawse-Nicholson
2:50 PM	PT	0:15	How Much Water is Evaporated Across California?: An Assessment Using a MesoNetwork of Eddy Covariance Sites, a Biophysical Model Forced with Satellite Remote Sensing and ECOSTRESS Data	Dennis Baldocchi
3:05 PM	PT	0:15	Understanding Diurnal Cycles of Plant Water Use and Carbon Uptake with Existing and New Products Based on ECOSTRESS, MODIS, and FLUXNET	Jingfeng Xiao
3:20 PM	PT	0:10	Closing Comments	Simon Hook / Woody Turner