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=m8cbce970b9f05c4bd165c80f23e29a0  
Meeting number: 199 534 9998 and Password: nQsu6AgGJ22

<table>
<thead>
<tr>
<th>Time (Pacific)</th>
<th>Minutes</th>
<th>Title</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 AM PT</td>
<td>0:10</td>
<td>Meeting open: welcome and Introduction to ECOSTRESS</td>
<td>Simon Hook</td>
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<tr>
<td>8:10 AM PT</td>
<td>0:10</td>
<td>NASA HQ welcome to ECOSTRESS team meeting</td>
<td>Woody Turner</td>
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<tr>
<td>8:20 AM PT</td>
<td>0:15</td>
<td>Overview of ECOSTRESS Science and Applications</td>
<td>Josh Fisher</td>
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<tr>
<td>8:35 AM PT</td>
<td>0:10</td>
<td>Data Overview, Processing, Products</td>
<td>Dana Freeborn</td>
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<tr>
<td>8:45 AM PT</td>
<td>0:15</td>
<td>L1BGE0 and Geolocation</td>
<td>Tom Logan</td>
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<tr>
<td>9:00 AM PT</td>
<td>0:10</td>
<td>L2 Land Surface Temperature and Emissivity + Cloud Mask</td>
<td>Glynn Hulley</td>
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<tr>
<td>9:10 AM PT</td>
<td>0:10</td>
<td>L3/L4 PT-JPL Planned Update: Estimating Daily High-Resolution Vegetation Index to Support ECOSTRESS Evapotranspiration Processing</td>
<td>Maggie Johnson and Gregory Halverson</td>
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<tr>
<td>9:20 AM PT</td>
<td>0:10</td>
<td>L3/4 (ALEXI) Evapotranspiration and Evaporative Stress Index</td>
<td>Yang Yang</td>
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<tr>
<td>9:30 AM PT</td>
<td>0:05</td>
<td>LP DAAC Updates</td>
<td>Tom Maiersperger</td>
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<tr>
<td>9:35 AM PT</td>
<td>0:15</td>
<td>Break</td>
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<tr>
<td>9:50 AM PT</td>
<td>0:10</td>
<td>ECOSTRESS and IrriWatch</td>
<td>Wim Bastiaanssen (N+9)</td>
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<tr>
<td>10:00 AM PT</td>
<td>0:15</td>
<td>Investigating Dynamic Thermal Processes to Optimize Geothermal Hotspot Detection</td>
<td>Christoph Hecker (N+9)</td>
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<tr>
<td>10:15 AM PT</td>
<td>0:15</td>
<td>New Estimates of Terrestrial Carbon and Water Fluxes by Combining the Carbonyl Sulfide Stomatal Conductance Tracer Framework and High Resolution Surface Data</td>
<td>Mary Whelan</td>
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<tr>
<td>10:30 AM PT</td>
<td>0:15</td>
<td>ECOSTRESS Surface Temperature over Inland Waters for Aquatic Ecosystem Applications</td>
<td>Christine Lee</td>
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<tr>
<td>10:45 AM PT</td>
<td>0:15</td>
<td>Examining the Relation Between Biodiversity and Surface Temperature Regimes in Localized Coastal Upwelling Zones Using ECOSTRESS</td>
<td>Daniel Otis</td>
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<tr>
<td>11:00 AM PT</td>
<td>0:15</td>
<td>Heat and Desiccation Risk Prediction in Intertidal Shellfisheries</td>
<td>David Wethey</td>
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<tr>
<td>11:15 AM PT</td>
<td>0:15</td>
<td>Thermal Stress in South Florida Estuaries: A Multi-Sensor Assessment</td>
<td>Chuanmin Hu</td>
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<tr>
<td>11:30 AM PT</td>
<td>0:15</td>
<td>Developing Spatial Real-Time Forecasts of Mosquito-Borne Diseases</td>
<td>Nicholas DeFelice</td>
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<td>11:45 AM PT</td>
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<td>Evaluating the Potential of ECOSTRESS for Predicting Wildfire Effects on Plant Community Structure and Water Relations in an Arizona Sky Island Pine-Oak Forest</td>
<td>Helen Poulos</td>
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<td>12:00 PM PT</td>
<td>0:35</td>
<td>LUNCH BREAK</td>
<td>Lunch (full break)</td>
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<td>12:35 PM PT</td>
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<td>LUNCH LIGHTNING TALKS</td>
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<td></td>
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<td>- Sanjana Paul / Katie Patrick - ECOSTRESS Urban Canopy Hackathon (5m)</td>
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<td>- Lynn Torak - ECOSTRESS radiance for detecting irrigation</td>
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<td>- Chip Miller / Surface Biology and Geology (5m)</td>
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<td>- Gamet Philippe / TRISHNA (5m)</td>
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<td>- Ben Koetz / LSTM (5m)</td>
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<td>Lunch talks</td>
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<td>1:00 PM PT</td>
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<td>NASA Headquarters Earth Science: ECOSTRESS and the community</td>
<td>Karen St. Germain</td>
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<td>1:10 PM PT</td>
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<td>Discussions regarding ECOSTRESS and ISS</td>
<td>Jamie Wicks</td>
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<tr>
<td>1:20 PM PT</td>
<td>0:15</td>
<td>Headquarters Q&amp;A and Impact Discussion</td>
<td>Simon Hook</td>
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<tr>
<td>1:35 PM PT</td>
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<td>Merging ECOSTRESS with Field Data in the Highest Uncertainty Water Use Efficiency Regions in the World</td>
<td>Christopher Doughty</td>
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<tr>
<td>1:50 PM PT</td>
<td>0:15</td>
<td>Changing Landscapes, Urban Heat Island and the Effects on City Water Conservation Policy</td>
<td>Soe Myint</td>
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<td>2:05 PM PT</td>
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<td>Break</td>
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<tr>
<td>2:20 PM PT</td>
<td>0:15</td>
<td>Exploiting Diurnal Cycles to Evaluate Vegetation Responses to Heat and Drought Stress</td>
<td>Christian Frankenbeng</td>
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<td>2:35 PM PT</td>
<td>0:15</td>
<td>Evaluating a CONUS-Wide disALEXI Evapotranspiration product</td>
<td>Kerry Cawse-Nicholson</td>
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<td>2:50 PM PT</td>
<td>0:15</td>
<td>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</td>
<td>Dennis Baldocchi</td>
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<tr>
<td>3:05 PM PT</td>
<td>0:15</td>
<td>Understanding Diurnal Cycles of Plant Water Use and Carbon Uptake with Existing and New Products Based on ECOSTRESS, MODIS, and FLUXNET</td>
<td>Jingfeng Xiao</td>
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<td>3:20 PM PT</td>
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<td>Closing Comments</td>
<td>Simon Hook / Woody Turner</td>
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