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| NASA_logo | **Tactical Fire Remote Sensing****Advisory Committee #33**Fall Meeting / Nov 18 - 19, 2020 | C:\aa_rsac\Logo\Shields\Forest Service2.jpg |

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### *“We'll bring our eggheads, you bring yours, and we'll scramble 'em together” – Vince A.*

**Moderators:** Vince Ambrosia (408-666-7609 cell), Everett Hinkley (801-455-8764 cell)

**TFRSAC AGENDA – Wednesday November 18, 2020**

**11:00 am EDT - Block 1 Presentations** (120 minutes)

* Welcome and Introductions (20) Vince & Everett
* [NIFC](https://new.cloudvault.usda.gov/index.php/s/mTYsGJmmc7D93j3/download?path=%2FTactical%20Fire%20Remote%20Sensing%20Advisory%20Committee%2FFall%202020%20TFRSAC&files=1_1%20Kuo%202020%20TFRSAC%20Fall%20Meeting.pptx) / [NIROPS Update](https://new.cloudvault.usda.gov/index.php/s/mTYsGJmmc7D93j3/download?path=%2FTactical%20Fire%20Remote%20Sensing%20Advisory%20Committee%2FFall%202020%20TFRSAC&files=1_1%20Mellin%202020NIROPS_TFRSAC2020Fall.pptx) / Fire & Aviation Mgmt. (20) Kuo /Mellin / Triplett
* Forest Service Update (20) Everett Hinkley
* [NASA Update](https://new.cloudvault.usda.gov/index.php/s/mTYsGJmmc7D93j3/download?path=%2FTactical%20Fire%20Remote%20Sensing%20Advisory%20Committee%2FFall%202020%20TFRSAC&files=1_3_Ambrosia_NASA-Update.pptx) (20) Vince Ambrosia
* NASA Disaster Program / [Disaster Portal and support to
2020 Wildfires](https://new.cloudvault.usda.gov/index.php/s/mTYsGJmmc7D93j3/download?path=%2FTactical%20Fire%20Remote%20Sensing%20Advisory%20Committee%2FFall%202020%20TFRSAC&files=1_4%20Helms%20-%20Kirkendall_NASA%20Disasters%20Program%20for%20TFRSAC%20Fall%202020.pptx) (20) Kirkendall / Helms
* USGS Wildand Fire Science Strategic Plan (20) Paul Steblein

**1:00 pm - Break** (30 min) – Lunch Break

**1:30 pm - Block 2 Presentations** (85 minutes)

* Thermal Working Group Update (20) R. Cornelius / W. Idle
* Canada Wildfire Sat (15) Josh Johnston
* Pyregence Consortium (15) David Saah (UCSF)
* CalFire Update (20) Phil SeLegue
* Spatiotemporal Trends in Wildfires across the Western
United States (15) Keith Weber (ISU)

**2:55 pm - Break** (20 min) – Lunch Break 2

**3:15 pm - Block 3 Presentations** (75 minutes / 15 minutes each)

* NASA C-FIRES Mission Proposal (15) D. Morton / Randerson
* Operational implementation of the xView2 algorithms in
this year's fire season in California (15) N. Patel / R. Gupta
* GOES fire detection (15) Chris Schmidt
* The use of the USFS prescribed burn policy in the Rich Bernknopf
Sierra Nevada (15)
* The use of remote sensing-based ET and evaporative stress index

to assess pre and post fire vegetation status (15) Pascolini-Campbell

* NIROPS imagery for calibration and validation of satellite fire products Boschetti / Ambrosia / & Gareth Roberts

**4:30 pm - Wrap Up and Adjourn**

**Day 2 Agenda – Thursday November 19, 2020**

**11:00 am - Block 4 Presentations** (90 minutes)

* Welcome and Day 1 Recap (20) Vince & Everett
* Early smoke detection using cameras (20) Kinshuk Govil
* Wildfire Interdisciplinary Research Center (WIRC) Dr. Craig Clements (SJSU)
* Lighter Than Air aircraft in support of wildland fire management (15) Alan Weston
* Improved Fuel Loading for Fire Emissions and Smoke
Modeling and Mapping (15) Nancy French

 **12:30 pm - Break** (30 min) – Lunch Break

**1:00 pm - Block 5 Presentations** (90 minutes / 15 min each)

* [Enhancing wildfire resilience in Alaska through landcover](https://new.cloudvault.usda.gov/index.php/s/mTYsGJmmc7D93j3/download?path=%2FTactical%20Fire%20Remote%20Sensing%20Advisory%20Committee%2FFall%202020%20TFRSAC&files=5_1%20Waigl%202020_TFRSAC_CWaigl.pptx)

[mapping with hyper- and multi-spectral remote sensing](https://new.cloudvault.usda.gov/index.php/s/mTYsGJmmc7D93j3/download?path=%2FTactical%20Fire%20Remote%20Sensing%20Advisory%20Committee%2FFall%202020%20TFRSAC&files=5_1%20Waigl%202020_TFRSAC_CWaigl.pptx) Christine Waigl

* [GeoCollaborate](https://geocollaborate.com/) - [Support to California Civil Air Patrol](https://new.cloudvault.usda.gov/index.php/s/mTYsGJmmc7D93j3/download?path=%2FTactical%20Fire%20Remote%20Sensing%20Advisory%20Committee%2FFall%202020%20TFRSAC&files=5_1%20DJones-GeoCollaborate-Supporting-CA-CAP-20201119.pdf)  Dave Jones
* [Utility of VIIRS RGB Fire Color and Fire Temperature images](https://new.cloudvault.usda.gov/index.php/s/mTYsGJmmc7D93j3/download?path=%2FTactical%20Fire%20Remote%20Sensing%20Advisory%20Committee%2FFall%202020%20TFRSAC&files=5_3%20Ziel%20Fire%20Analyst%20Satellite%20Tools%20for%20TFRSAC.pptx)
[for CONUS](https://new.cloudvault.usda.gov/index.php/s/mTYsGJmmc7D93j3/download?path=%2FTactical%20Fire%20Remote%20Sensing%20Advisory%20Committee%2FFall%202020%20TFRSAC&files=5_3%20Ziel%20Fire%20Analyst%20Satellite%20Tools%20for%20TFRSAC.pptx) Robert Ziel (UAF)
* Wide Field of View Program Ryan Francies (SMC)
* [Deploying the Team Awareness Kit on wildland fires;](https://new.cloudvault.usda.gov/index.php/s/mTYsGJmmc7D93j3/download?path=%2FTactical%20Fire%20Remote%20Sensing%20Advisory%20Committee%2FFall%202020%20TFRSAC&files=5_5%20B%20Schmidt%20TFRSAC%20Presentation.pptx)
[results from 2020 and looking forward (20)](https://new.cloudvault.usda.gov/index.php/s/mTYsGJmmc7D93j3/download?path=%2FTactical%20Fire%20Remote%20Sensing%20Advisory%20Committee%2FFall%202020%20TFRSAC&files=5_5%20B%20Schmidt%20TFRSAC%20Presentation.pptx) Brad Schmidt
* [Mapping tree mortality as a function of canopy cover](https://new.cloudvault.usda.gov/index.php/s/mTYsGJmmc7D93j3/download?path=%2FTactical%20Fire%20Remote%20Sensing%20Advisory%20Committee%2FFall%202020%20TFRSAC&files=5_6%20TFRSAC2020_Tree_Mortality_FINAL.pptx) Dale Hamilton (NNU)
[reduction](https://new.cloudvault.usda.gov/index.php/s/mTYsGJmmc7D93j3/download?path=%2FTactical%20Fire%20Remote%20Sensing%20Advisory%20Committee%2FFall%202020%20TFRSAC&files=5_6%20TFRSAC2020_Tree_Mortality_FINAL.pptx)

**2:30 pm - Break** (20 min) – Lunch Break

**2:50 pm - Block 6 Presentations** (105 minutes / 15 min each)

* Software to output fire behavior metrics for airborne imagery Miguel Valero (SJSU)
* Wildfire Battle Mgmt. and a Tailored Overhead Sensor Layer Bret Perry
* WildfireSAFE Matt Jolly
* Damage Assessment Using ArcGIS and Commercial Imagery Matt Lemaire
* NASA’s STEReO effort Joey Mercer
* UMEX Air Commons Brief Update Keven Gambold

**4:35 pm - Wrap Up and Adjourn** (25 minutes) Hinkley / Ambrosia

**Bonus Presentation** (Not presented at meeting)

* Colorado Multi-Mission Aircraft – 2020 Update Bruce Dikken