NASA Earth Science Applied Sciences Program

2017 Wildland Fire Program Annual Review Meeting

Feb 28th - March 1-2 • Boulder, CO
Welcome to Boulder

**Logistics:**

- Please check your name off on the check-in sheet;

- Fill out a name tag and please wear such to identify yourself to new attendees;

- You are in the Rooftop Lounge Meeting Room today and tomorrow; Thursday, we are in the Touchdown Club Meeting Room

- During break periods we will be providing snacks and refreshments; Lunches are provided in meeting room;

- We have scheduled short talks during lunch today and tomorrow, towards the later have of the 1-hour break;
Welcome to Boulder

**Logistics**

- Tonight, our Group Dinner is at West Flanders Brewing Company at 6:30 PM on Pearl Street;

- Wednesday is “Death-By-PowerPoint” day... sorry... please survive with extra caffeine!!

- Thursday, we will have some briefings and discussion period in the morning; NOAA site visit is after lunch; Sher Schranz is leading

- After NOAA site visit, we will have a brief wrap-up session at the Touchdown Club Meeting Room to discuss future meeting plans.
Objective / Goals of Meeting

OBJECTIVES
• Inform on the NASA Wildfire Program Advancements;
• Inform on partner affiliated programs (USFS, JFSP, etc.);
• Increase integration of wildfire EO capabilities into wildfire management.

GOALS
• Build new relationships / knowledge;
• Identify Successes / Challenges;
• Be relaxed and enjoy learning!
NASA Wildfire Management Team

Lawrence Friedl:  
NASA Applied Sciences Program Director / Wildfire Program Manager

Amber Soja:  
Associate Wildfire Program Manager

Vince Ambrosia:  
Associate Wildfire Program Manager
Introductions: All

Name:

Organization Affiliation:

Role at Meeting: (PI Presenter, Cheerleader, etc.)

What Are You Looking Forward to This Week?
Tuesday AM Agenda (1st half)

8:15 AM: Introductions (All)
   Logistics, Greeting, Introduction: V. Ambrosia, L. Friedl, A. Soja
   Around-the-Room Introductions

9:00 AM: **L. Friedl, A. Soja, V. Ambrosia**: Wildfire Program Overview

9:20 AM: PIs / Teams Brief:

(9:20 - 9:35) **Sher Schranz**: Wildland Fire Behavior and Risk Prediction;

(9:35 – 9:50) **Todd Hawbaker (Jim Vogelmann)**: Improving National Shrub and Grass Fuel Maps Using Remotely Sensed Data and Biogeochemical Modeling to Support Fire Risk Assessments;

(9:50 - 10:05) **Birgit Peterson**: Enhanced Wildland Fire Management Decision Support Using Lidar-Infused LANDFIRE Data;

(10:05 – 10:20) **Zack Holden**: A Prototype System for Predicting Insect and Climate-Induced Impacts on Fire Hazard in Complex Terrain;

10:20 – 10:35 AM: Break (Refreshments / Snacks Provided)
Tuesday AM Agenda (2nd half)

10:20 – 10:35 AM: Break (Refreshments / Snacks Provided)

(10:35 – 10:50) Karyn Tabor: An Integrated Forest and Fire Monitoring and Forecasting System for Improved Forest Management in the Tropics;

(10:50 – 11:05) Joshua Picotte (Stephen Howard): Utilization of Multi-Sensor Active Fire Detections to Map Fires in the US;


Tuesday PM Agenda

12:30 PM: Lunch Talk: Vince Ambrosia: GEO GWIS

1:00 PM – 2:00 PM: Lessons Learned, Issues, & Barriers to Implementation Discussion Session:

2:00 PM: Collaborative Fire Research Efforts:
   (2:00 – 2:20) Jennifer Balch: Human-Started Wildfires Expand the Fire Niche Across the U.S.;
   (2:20 – 2:40) Christine Wiedinmyer: Fire Emissions Modeling with EO at NCAR;
   (2:40 – 3:00) Sandra Ryan-Burkett: Sedimentation Following Natural Watershed Disturbances: Fire and Flood in Poudre River Watershed;
   (3:00 – 3:20) Amber Soja: CALIOP-Derived Plume Injection Heights

3:20 – 3:30 PM: Break (Refreshments / Snacks Provided)

3:30 – 5:00 PM: Natasha Stavros: SAR / NISAR for Fire Observations: Training in Use

5:00 – 5:15 PM: Close of Day Comments / Logistics: L. Friedl, A. Soja, V. Ambrosia

6:30 PM: Group Dinner (West Flandres Brewing Company (on Pearl Street))
Wednesday AM Agenda

8:30 – 8:45 AM: Lawrence Friedl: Socioeconomic Assessment Introduction

8:40 – 10:00 AM: Kimberley Rollins: Invited Speaker – Socioeconomic Measurements for Wildfire

10:00 – 10:15 AM: Break (Refreshments / Snacks Provided)


10:30 – 10:45 AM: Sher Schranz / Team: Using Earth Observations to Assess the Socioeconomic Impact of Human Decision Making During the Suppression of a Wildland Fire

10:45 – 11:00 AM: Keith Weber / Team: Evaluating the Socioeconomic Impacts of Rapid Assembly and Deployment of Geospatial Data in Wildfire Emergency Response Planning


11:15 – 11:40 AM: Discussion: Measuring Socioeconomic Success

11:40 – 12:00 PM: Stacy Drury: Managing Unplanned Ignitions for Resource Management Benefit in Northern California
Wednesday PM Agenda (1st half)

12:00 PM – 1:00 PM: Lunch (provided on-site)

**Everett Hinkley & Brad Quayle**: USFS Remote Sensing Program Overview (12:30 – 1:00 PM);

1:00 – 1:20 PM: **Matt Jolly**: Wildland Fire Assessment System (WFAS)

1:20 – 1:40 PM: **Evans Kuo, Kyle Smith, Mike Quisenberry (NIMO)**: NIMO Perspective of Operations & Needs

1:40 – 2:00 PM: **Ed Brunson & John Hall**: Joint Fire Science Program (JFSP) Brief

2:00 – 2:20 PM: **Tony Cheng & Gloria Edwards**: JFSP Fire Science Exchange Network

2:20 – 2:30 PM: PM Break (Refreshments / Snacks Provided)
Wednesday PM Agenda (2nd half)

2:30 – 2:45 PM: **Ed Brunson & John Hall**: FASMEE Campaign

2:45 – 3:00 PM: **Amber Soja**: NASA FIREChem (Component to F3 Campaigns)

3:00 – 3:15 PM: **Tom Moore**: Integrating F3 in relation to AQ at State and EPA

3:15 – 3:35 PM: **Tom Sanford**: Climate Central

3:35 - – 3:45 PM: PM Break (Refreshments / Snacks Provided)

3:45 - 4:05 PM: **Sarah Carroll / Brian Woodward**: NASA DEVELOP Wildfire Applications

4:05 – 4:25 PM: **Chris Doescher**: LP-DAAC -- Accessing Data

4:25 – 4:45 PM: **Lawrence Friedl / Birgit Peterson**: Early Adopters Efforts

4:45 – 5:05 PM: **Cindy Schmidt**: ARSET Workshops and Webinars

5:05 – 5:20 PM: Discussion and Q and A
Thursday AM Agenda

8:15 – 8:30 AM: **V. Ambrosia, A. Soja, L. Friedl:** Logistics / Schedule for Day

8:30 – 9:00 AM: **Karyn Tabor / Lawrence Friedl:** X-Prize For Wildfire Suppression

9:00– 9:30 AM: **Lawrence Friedl:** Transitioning to Operations: What is Success?

9:30– 10:00 AM: **Discussions: Transitioning Into Operations: Using Workshops, Webinars, and Other Methods to Achieve Adoptability; Barriers to Adoptability: How to Overcome**

10:00 – 10:15 AM: AM Break (Refreshments / Snacks Provided)

10:15 – 12:00PM: **Continue Discussions: Transitioning Into Operations: Using Workshops, Webinars, and Other Methods to Achieve Adoptability; Barriers to Adoptability: How to Overcome**

12:00 – 1:00 PM: Lunch (provided on-site)

1:15 PM: Green Ride Boulder Bus to NOAA
Thursday

**Option Focus**

10:00 – 11:00
Everyone is involved in discussion

Computers, mobiles, etc. turned off

11:00 – 12:00
Open time (aka, recess)

People can network, do emails, do other work they didn’t get to Tuesday and Wed.

**Option Multitask**

10:00 – 12:00
Everyone is involved in discussion

People can tune into the discussion as they wish and also work on their computer, mobiles, etc. at the same time
1:00 PM GreenRide Boulder Bus departs meeting site (CU Stadium) for NOAA

1:30 – 4:00 PM: Sher Schranz (Host): NOAA Visit & Tour

4:00 – 4:15 PM: Discuss Key Topics from week
Discuss Plans for “1-Year-After / Reunion Tour” Meeting”
(these discussions will be at NOAA)

4:15 PM: Adjourn Meeting

4:15 PM: GreenRide Boulder Bus departs for Hyatt Place Hotel