



**European Commission (EC)  
GOFC GOLD Fire Implementation Team (GOFC Fire IT)**

**DRAFT AGENDA**  
**6<sup>th</sup> GWIS and GOFC-GOLD Fire IT meeting**  
**14<sup>th</sup> - 15<sup>th</sup> November 2023**

**Meeting Venue**

[Canadian Space Agency](#)

6767 Route de l'Aéroport Borough of Saint-Hubert Longueuil, Quebec J3Y 8Y9

Arrive 8:45 for 9:15am start (Coffee/Tea Available)

**Tuesday November 14<sup>th</sup>**

**9:15 – 10.00 Opening**

- Welcome – Canadian Space Agency
- Agenda and Objectives of Meeting - J. San-Miguel, D. Roy, M. Wooster
- GOFC-GOLD Regional Network Update - Krishna Vadrevu (NASA Marshall)

**10:00 – 10:30 Session on Active Fire, Burned Area products and Mapping #1 (Chair: Martin Wooster)**

*[25 minute presentation, 5 minutes for questions]*

- An update on the fire mapping and monitoring activities at NOAA/NESDIS, Ivan Csiszar, Wilfrid Schroeder, Mike Pavolonis (National Oceanic and Atmospheric Agency, USA)

10:30 – 11.00 Coffee break [30 minutes]

**11.00 – 12:20 Session on Active Fire, Burned Area products and Mapping #2 (Chair: Ioannis Gitas)**

*[15 minute presentations, 5 minutes for questions and speaker turnaround]*

- NASA Fire Products Update, Louis Giglio (Univ. of Maryland, USA)
- Strategies for the validation of EO-based Fire Radiative Power (FRP) products: approaches based on product inter-comparisons using near simultaneous or non-simultaneous detections, Bernardo Motta (National Physical Laboratory, Climate Earth Observation, U.K.)
- NRT wildfire mapping and validation, Duarte Oom (European Commission, JRC, Italy)
- Deep learning high resolution burned area mapping, David Roy (Michigan State University, USA)

12:20 - 14:00 Lunch break [1 hour 40 minutes]

**14:00 – 14.30 CEOS LPV Burned Area protocol discussion led by Bernardo Motta**

**14:30 – 15:10 Session on Operational Systems #1 (Chair: Francesca di Giuseppe)**

*[15 minute presentations, 5 minutes for questions and speaker turnaround]*

- Updates to NASA FIRMS Global and FIRMS US/Canada, Diane Davies (NASA, USA)
- The Role of ASEAN Coordinating Centre for Transboundary Haze Pollution Control: towards FOLU Net Sink 2030 and Haze Free ASEAN by 2030, Israr Albar (SEARRIN, Indonesia)

15:10-15:40 Coffee Break [30 minutes]

**15:40 – 17:10 Session on Operational Systems #2 (Chair: Krishna Vadrevu)**

*[15 minute presentations, 5 minutes for questions and speaker turnaround]*

- Greek Observatory of Forest Fires: Advances in operational services at national level, Ioannis Gitas (Univ. Thessaloniki, Greece)
- Inclusion of fire-atmosphere information for decision making in firefighting operations, Mercedes Bachfisher (Firefighting Services, Catalonia, Spain)
- The WMO's recently established VFSP-WAS center: WMO North American Regional Vegetation Fire and Smoke Pollution Warning and Advisory Centre (RVFSP-WAC), Guillaume Marcotte (Environnement et Changement Climatique Canada, Gouvernement du Canada)
- Regional and global approaches on wildfire management, Jesus San-Miguel (JRC, Italy)

**19:30 Dinner & End of Day 1**

Venue: To be defined

Address: To be defined

Wednesday November 15<sup>th</sup>

**09:10 – 10:30 Session on Fire Emissions, Prescribed Burns, and Fire Measurements (Chair: Marta Yebra)**

*[15 minute presentations, 5 minutes for questions and speaker turnaround]*

- Progress on fire emissions modelling: GFED5, Guido van der Werf (Univ. Amsterdam, NL)
- Direct Estimation of Fire Emissions from Geostationary Sensors, Martin Wooster (King's College/NERC, U.K.)
- Advances in the use of remote sensing for prescribed burn planning, implementation, and evaluation, Adam Leavesley (ACT Parks and Conservation Service, Australia)
- California Canyon Fire Experiment and the new imaging system SWIS (SJSU Wildfire Imaging System), Craig Clemens (San Jose State Univ., CA, USA)

10:30 – 11:00 Coffee break [30 minutes]

**11:00 – 12:20 Session on Fire Risk and Fuel Consumption #1 (Chair: Adam Leavesley)**

*[15 minute presentations, 5 minutes for questions and speaker turnaround]*

- Enhancing Fire Resilience through Remote Sensing: Prevent Rather Than Cure, Marta Yebra (Australian National University, Australia)
- Upscaling field estimates of fuel consumption to event scale, Andrew Hudak (US Forest Service, USA)
- Estimating forest canopy consumption: a LiDAR-optical multisensor approach, Luigi Boschetti (University of Idaho, USA)
- Integrated fire risk assessment in Europe & Post-fire damage assessment and estimation of emissions, Patricia Oliva (Univ. Alcala, Spain)

12:20 - 14:00 Lunch break [1 hour 40 minutes]

**14:00 – 14:40 Session on Fire Risk and Fuel Consumption #2 (Chair: Luigi Boschetti)**

*[15 minute presentations, 5 minutes for questions and speaker turnaround]*

- Update on Global fire danger products and forecast evaluation, Robert Field (Univ. of Columbia, USA)
- ML methods in fire forecasting, Francesca di Giuseppe (European Center for Medium Range Weather Forecasting, U.K)

**14.40 – 15.00 WildFireSat and Overview of the November 16-17 WildFireSat meeting – Johnston Joshua/Stephanie DeBoer**

15:00-15:30 Coffee Break [30 minutes]

**15.30 – 16.30 Session on New Programs (Chair: Andrew Hudak)**

*[15 minute presentations, 5 minutes for questions and speaker turnaround]*

- WMO GAW global initiatives, Radenko Pavlovic  
(Environnement et Changement Climatique Canada, Gouvernement du Canada)
- CEOS wildfire pilot, Mark De Jong (Natural Resources Canada, Canada)
- Overview of the NASA FireSense program and 2023 fall campaign, Jacquelyn Shuman (NASA AMES)

**16:30– 16:45 Formulation of a 12-month plan for GOFC Fire GWIS Priorities (Chair: David Roy)**

**16:45 – 17.00 Summary of the meeting – announcement/discussion of next meeting (J. San-Miguel, D. Roy, M. Wooster)**