



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

**4th GWIS and GOFc-GOLD Fire IT meeting
1st-2nd October 2019**

Meeting Venue

Consiglio Nazionale delle Ricerche (CNR)
Piazzale Aldo Moro 7, 00185 Roma
<https://www.cnr.it/en/reach-headquarters>

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

Tuesday October 1st

9:15 – 9.30 Opening and review of recent past activities of GOFc Fire IT and GWIS

- Welcome – Rosa Lasaponara
- Summary of the past meeting in Maryland, Oct. 2018 – David Roy
- Agenda and Objectives of Meeting - J. San-Miguel, D. Roy, M. Wooster

9.30 – 10.30 Public perceptions of fire information from satellite data – do we have an issue ? (Chair: D. Roy)

- The Brazil 2019 fire situation – Alberto Setzer [*15 minutes*]
- Managing public perceptions of fire information, the 2019 Brazil experience, and perspectives for the fire product producer community - C. Justice, M. Humber, L. Giglio [*15 minutes*]
- Discussion [*30 minutes*]

10:30 – 11.00 Coffee break [30 minutes]

11:00 – 12:00 – Session on active fire (AF) detection from geo-synchronous and geostationary satellite sensors & products (Chair: L. Giglio)

[*10 minute presentations, 2 minutes for questions*]

- VIIRS, GOES-R, and Landsat-class AF product status – Wilfrid Schroeder
- SLSTR, Meteosat, Himawari & GOES-E/W AF Product Update – Martin Wooster
- CGMS and Geostationary fire monitoring – Mitch Goldberg
- WildFireSat (WFS) mission status/update – Josh Johnston
- Status of the FireBIRD system and latest case studies – Christian Fisher/Winfried Halle

12:00 – 12:50 – Emission session (Chair: E. Chuvieco)

[10 minute presentations, 2 minutes for questions]

- Fire mapping and emissions accounting information for fire managers--lessons from NAFI (North Australia Fire Information) for application in Southern Africa and other savanna regions – Peter Jacklyn, Jeremy Russel Smith, Sam Johnston
- Monitoring fires and fire emissions and interaction with fire management in savannas - Gernot Rucker, D. Popovic, D. Leimbach
- FRP based emissions updates – M. Wooster, T Zhang, W Zu, J He, D Fisher, H Nguyen
- Emissions monitoring in the GFED – G. van der Werf

12:50 - 14:30 Lunch break (1 hour 40 minutes)

14:30 – 16:00 Session on fire danger assessment & fire weather prediction (Chair: B. de Groot) [10 minute presentations, 2 minutes for questions]

- ECMWF FD products to EFFIS/GWIS – Francesca di Giuseppe
- FDP USA – Everett Hinkley et al.
- Canadian Fire Danger System – Alan Cantin
- Fire Danger enhancements/calibration – Domingos Viegas
- Live Fuel Moisture Content from Radiative Transfer Models - Marta Yebra
- Fire danger assessment under climate change - Mike Flannigan
- Consistency evaluation of Fire-driven surface albedo radiative-forcing: an EO cross-product ensemble approach - Bernardo Motta

Coffee Break 16:00-16:15 (15 minutes)

16:15 – 17:45 Session on burned area (BA) mapping and validation (Chair: L. Boschetti)

[10 minute presentations, 2 minutes for questions]

- NASA MODIS & VIIRS BA Products Update - Louis Giglio
- Sentinel-3 ESA Fire CCI BA Products Update – Emilio Chuvieco
- GWIS Global fire database - Tomás Artés /Duarte Oom
- BA Mapping with Medium spatial resolution sensors – Aitor Bastarrika
- Comprehensive validation of daily burned area mapping algorithms over the Brazilian Cerrado- José Miguel Pereira
- Standards for generating and documenting reference BA sites – Emilio Chuvieco
- How to meaningfully validate medium spatial resolution BA products ? – David Roy

17:45 – 18:00 Summary of the first day – Session chairs

19:30 Dinner & End of Day 1

Venue: **to be defined**

Address: To be defined

Wednesday October 2nd

09:00 – 10:15 GWIS Developments & NASA GEO GWIS Projects (Chair: Anja Hoffman)

[10 minute presentations, 2 minutes for questions]

- Enhancements in the GWIS – the new GEO GWIS work program – Jesús San-Miguel
- Update on the NASA Applied Science Program – Vincent Ambrosia
- Harmonized global active fire data set –Louis Giglio/Wilfrid Schroeder
- Using NASA fires products to enhance GWIS – Luigi Boschetti
- Enhancements to Fire Danger Rating in Indonesia – Robert Field
- Potential use of GWIS product/services by national fire managers – P. Moore

10:15 – 10:30 Coffee break (15 minutes)

10:30 - 12:30 Session on National/Regional Fire Information Systems and Networks in view of links to GWIS (Chair: K. Vadrevu)

[8 minute presentations, 2 minutes for questions]

- Regional Network Overview & Activities - Krishna Vadrevu
- SAFNET network - Philip Frost
- Canada - Canadian Fire Information System –Josh Johnston
- USA – Everett Hinkley
- Brazilian Wildfire Information System - Alberto Setzer
- Australia – Adam Leavesley
- New Zealand – Ilze Pretorius
- REDLATIF network– Nicolas Mari
- MIOMBO network– Stephen Syampungani (rep. Natasha Ribeiro)
- SEARRIN network– Isar Albar
- MEDRIN network – Ioannis Gitas
- Europe, Middle East and North Africa (EFFIS) – Jesús San-Miguel

12:30 - 14:00 Lunch break (1 hour 30 minutes)

14:00 – 15:00 Fire management, fire behavior and fire risk assessment (Chair: Alberto Setzer)

[10 minute presentations, 2 minutes for questions]

- Building a global fire analyst dataset - Marc Castellnou
- Meteorological field experiments to better understand extreme fire behavior - Craig Clemens

- Use of the GWIS global fire dataset for wildfire behaviour prediction - Tomas Artes/Duarte Oom
- Use of global fuel database in wildfire risk analysis - Lucrecia Pettinari
- Taking into account the human factor in global wildfire risk systems – Emilio Chuvieco

15:00-15:30 Coffee Break (30 minutes)

15:30– 16:30 Session on discussion / formulation of a 12-month plan for GOFC Fire - priority activities and on Integration of data in GWIS (Chair: C. Justice)

- Discussion on the role & development of the GOFC Fire IT
- Discussion of GWIS coordination planned activities, data integration, network roles

16:30-16:45 Summary of the meeting – announcement/discussion of next meeting (J. San-Miguel, D. Roy, M. Wooster)
