8TH INTERNATIONAL WILDLAND FIRE CONFERENCE

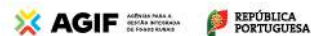## GOVERNANCE PRINCIPLES:
Towards an International Framework

Porto - Portugal | **May 16-19th**, 2023

FIND OUT MORE
AND REGISTER AT:

www.wildfire2023.pt

LOCAL ORGANIZER

AGIF — AGÊNCIA PARA A GESTÃO INTEGRADA DE FOGOS RURAIS

REPÚBLICA PORTUGUESA

INTERNATIONAL LIAISON COMMITTEE FOR THE IWFC

UNDRR · afac · Canada · CIFFC · WORKING ON FIRE · Korea Forest Service

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Regional Eastern Africa Fire Monitoring Resource

Center: the role of open access spatial tools for

stakeholder engagement in fire management

Rakoto Ratsimba H., Tahintsoa G. H., Raherinjatovoarison D., Rakotoarinivo H. Z., Ratsimandresy R. N., Goldammer J. G.
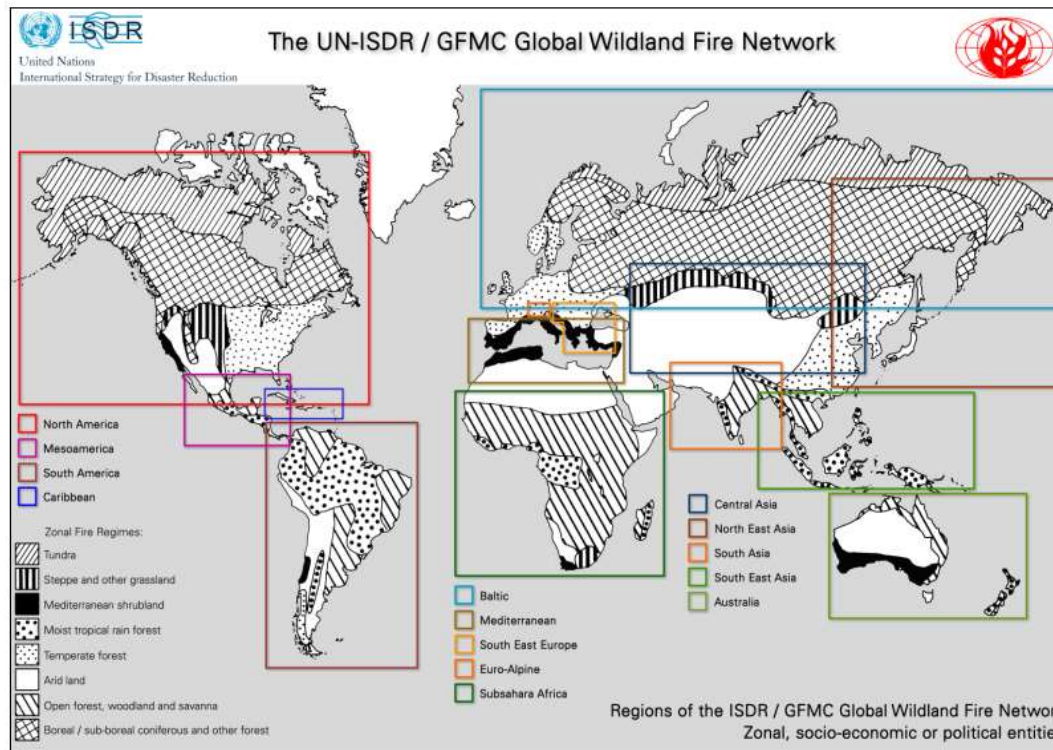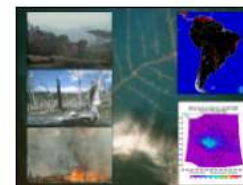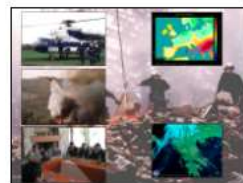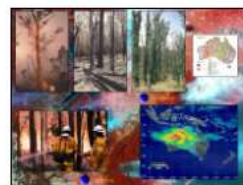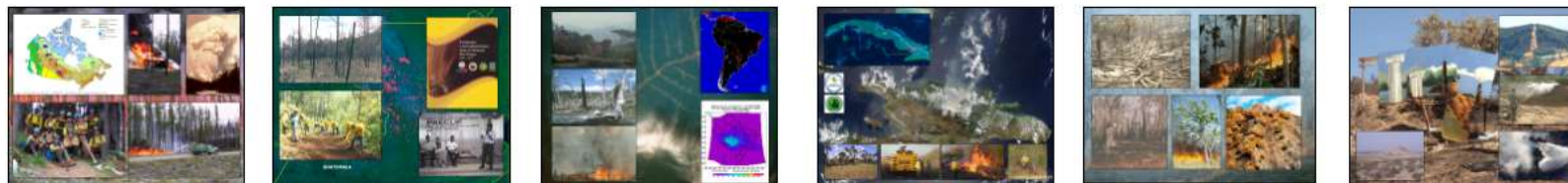
REA-RFMRC
GFMC

Regional Eastern Africa Fire Management Resource Center (REA-FMRC)

- serving countries of East Africa: provisioning, archiving and interpreting scientific-technical information and satellite-derived near-real time and historic data on landscape fires
- to decentralize the role of the Global Fire Monitoring Center (GFMC) for an adapted response to the local, national and regional needs of stakeholders in fire management data.
- Specific geoportal
   - Madagascar
   - All eastern Africa countries

REA-RFMRC

The UN-ISDR / GFMC Global Wildland Fire Network

United Nations International Strategy for Disaster Reduction

North America
Mesoamerica
South America
Caribbean

Zonal Fire Regimes:
Tundra
Steppe and other grassland
Mediterranean shrubland
Moist tropical rain forest
Temperate forest
Arid land
Open forest, woodland and savanna
Boreal / sub-boreal coniferous and other forest

Central Asia
North East Asia
South Asia
South East Asia
Australia

Baltic
Mediterranean
South East Europe
Euro-Alpine
Subsahara Africa

Regions of the ISDR / GFMC Global Wildland Fire Network
Zonal, socio-economic or political entities

8TH INTERNATIONAL WILDLAND FIRE CONFERENCE

www.rfmrc-ea.org
https://gfmc.online/

**International Strategy
I S D R
for Disaster Reduction**

Scientific & Technical Analysis & Prediction	←——————————→	Social & Economic Actions; Fire Management

Global Scale

Global Fire Early Warning Monitoring & Analysis Centres — Global Applications Centres — International Support Organisations

Regional Scale

Regional Fire Early Warning & Monitoring Centres — Regional Applications Centres — Regional Support Organisations

National to Local Scale

National Fire Management Coordination Centres — Sector Support Institutions — National & Local Actors in Fire Management

- Using data for science policy interface on fire management / issues

- Reconciling the needs in between local communities, natural resource managers and policy makers to face fire landscape management issues

www.rfmrc-ea.org
https://gfmc.online/

- Global Fire Monitoring Center, a comprehensive archive of global information since 1999

https://gfmc.online/media-highlights-on-fire-policies-and-politics.html

- Including all Burnt Area Monitoring initiatives since the 1990s

https://gfmc.online/inventory/burnt-area.html
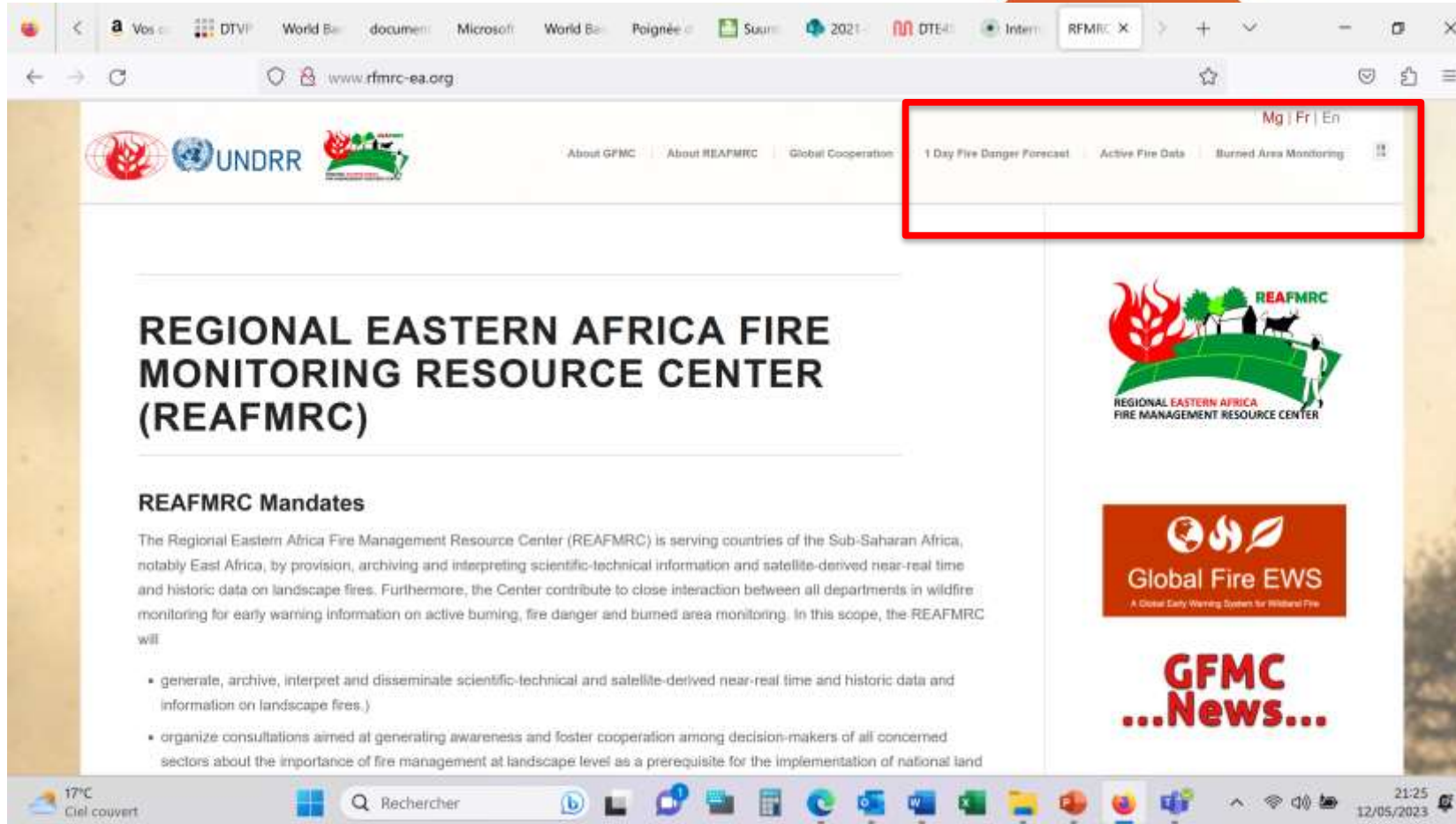
- As well as existing fire databases

https://gfmc.online/inventory/statistic.html

- With an early warning system of fire danger and near rea monitoring of events

https://gfmc.online/gwfews/index-12.html

www.rfmrc-ea.org

- 1 Day fire forecast
- Active fire data
- Monthly burned area
- Annually burned area
- Archive starting from 2016
- On demand (near real time)
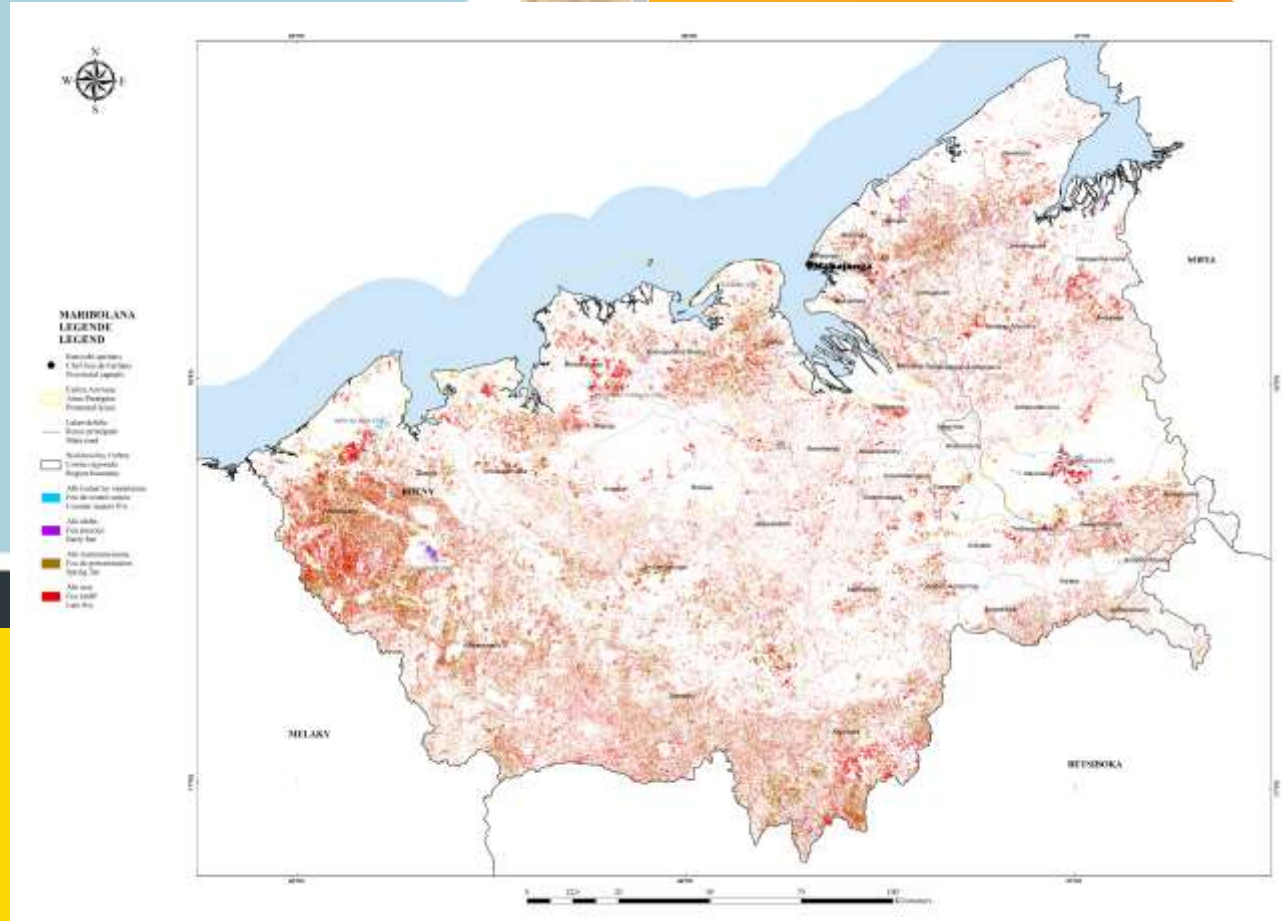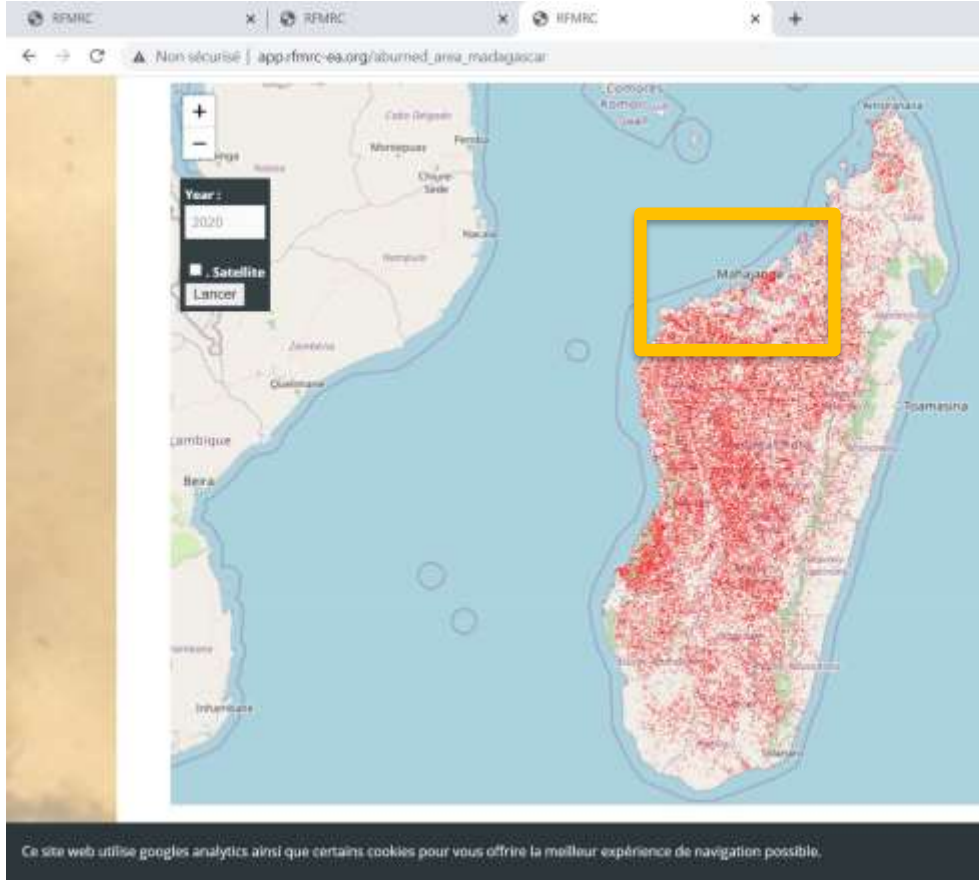- At needed scale

Global Fire EWS 10-day forecasts

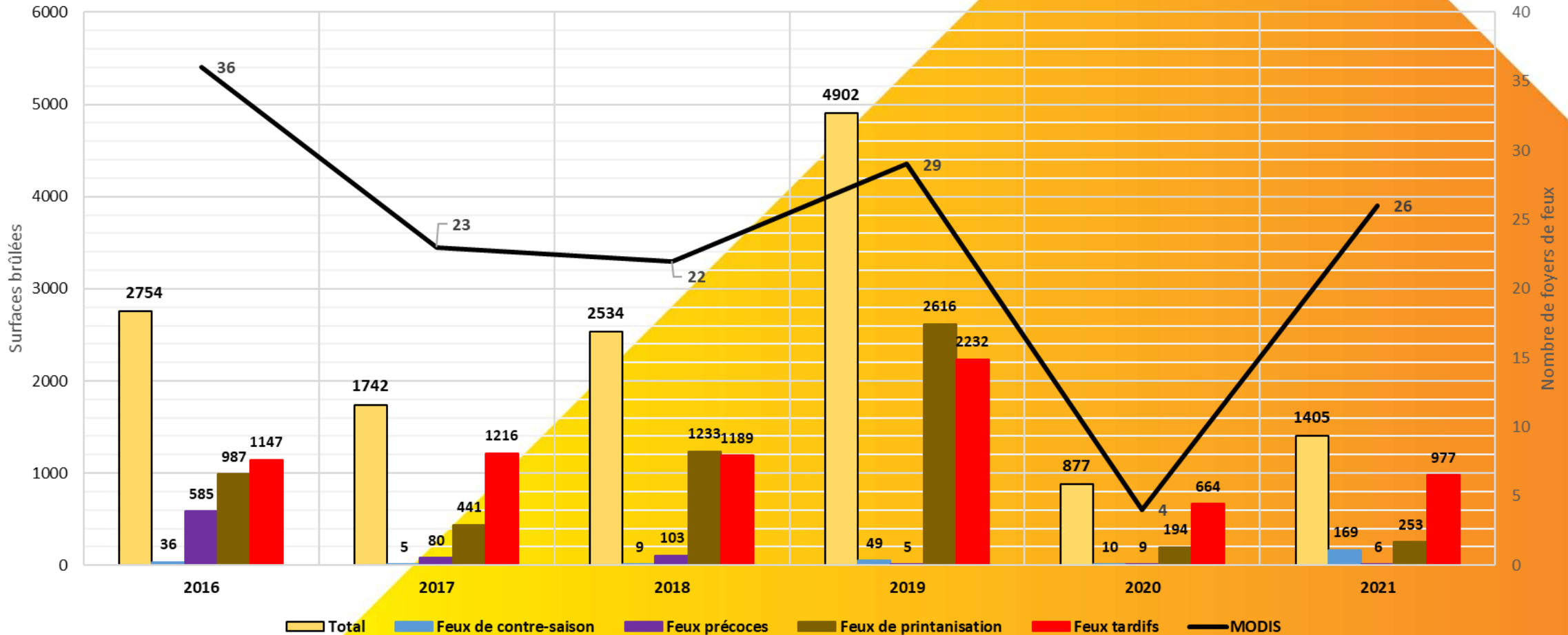www.rfmrc-ea.org

At needed scale
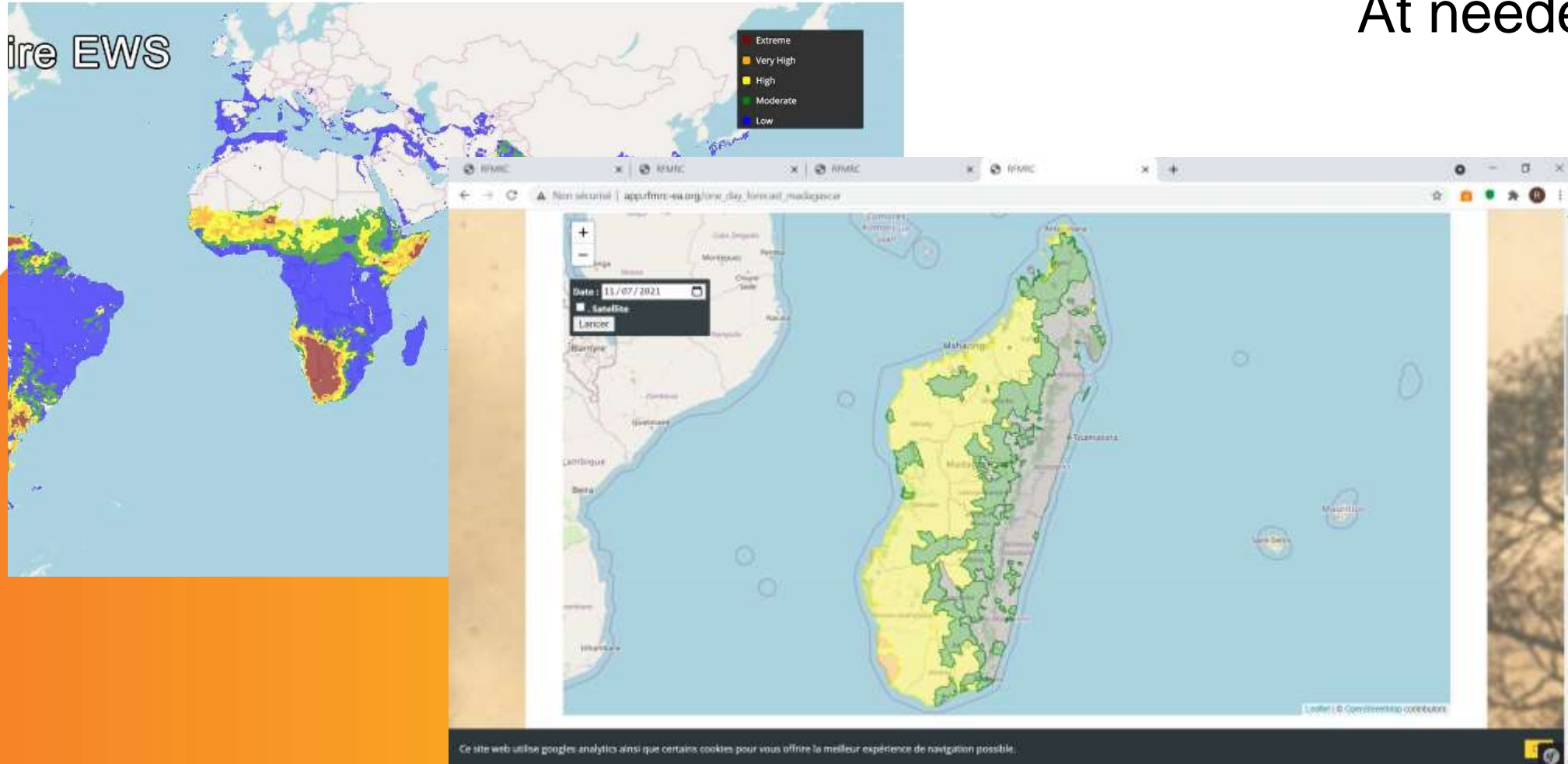
www.rfmrc-ea.org

At needed scale

www.rfmrc-ea.org

At needed scale

www.rfmrc-ea.org

At needed scale

Common understanding
of the drivers

Value added from data
using

Social learning /
developing fire resilient
landscape

Tahintsoa G.E., Raherinjatovoarison D., Rakotoarinivo H.Z., Ratsimandresy R.N. and Rakoto Ratsimba H., 2022. Using satellite images to monitor burned areas in Madagascar.
https://doi.org/10.55515/FIOP8254

Rakoto Ratsimba H., Andriamiharimanana J.N., Braun M. and Goldammer J.G., 2022. Agricultural fuelbreaks in sustainable fire-resilient landscapes in Madagascar.
https://doi.org/10.55515/PJMX6791