



Southern African Fire Network (SAFNet) Overview

SAFNet Steering committee

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SAFNet

Is a regional network that fosters collaborative efforts in fire monitoring and management in southern Africa.

- has no secure funding; no salaries and is necessarily voluntary

Membership “topology” is like a flower

i.e., members are like petals - some come & go & some regrow

GOAL: To achieve more effective fire management policies and practices in southern Africa through the use of remote sensing and other geospatial technology.

PURPOSE: To enhance the use of information from field observations and remote sensing of fires for natural resource management in southern Africa.





Brief History of SAFNet

- was initiated using small seed funding grants from NASA, USAID and START
- a meeting, funded predominantly by START, is held every 2 years

- 1st Meeting* IGBP/START/LCLUC Miombo Network Workshop on Ecology and Management of Fire in Miombo, Matopo, Zimbabwe, 19-23 April 1999
- 2nd Meeting* Zimbabwe-Zambia Traveling Meeting, 11-19th July 2000
- 3rd Meeting* University of Botswana, Gaborone, Botswana, 29 July – 1 August, 2002
- 4th Meeting* Kruger National Park, South Africa, 17-23 August 2003
- 5th Meeting* Mangochi, Malawi, 9-13 August 2004
- 6th Meeting* Maputo, Mozambique, 5-6 October 2006
- 7th Meeting* Katima Mulilo, Namibia, 22-26 September 2008
- 8th Meeting* Golden Gate National Park, South Africa, 6–8 May 2011





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Announcements

1. An International Week on Earth Observation Dynamics: Technical Applications is being organized to be held in Ghana meeting which is being organized by Regional Network and other interested strategies for the GOFC GOLD Africa Fire Early Warning System. It is expected to be invited to this meeting.

2. Preparations for the 7th SAFNet meeting are ongoing. The exact dates and title of course.

The **Southern African Fire Network** is a regional network that fosters collaborative efforts in fire monitoring and management in southern Africa. SAFNet is a **Global Observation for Forest and Land Cover Dynamics (GOFC/GOLD)** regional fire network and contributes to meeting the goals of the GOFC/GOLD program. SAFNet was initiated using small seed funding grants from NASA, USAID (EMIS and GISD) and START. Future collaboration with partners and funding agents is being sought.

The SAFNet Mission

SAFNet's **goal** is to achieve more effective and appropriate fire management policies and practices in southern Africa through the use of remote sensing and other geospatial information technology.

SAFNet's **purpose** is to enhance the use of information from field observations and remote sensing of fires for natural resource management in southern Africa.

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Welcome!

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Announcements

8th SAFNET meeting at Golden Gate National Park

2010-09-28

The 8th Southern Africa Fire Network meeting will be held at Golden Gate National Park, South Africa from 5 -8 May 2011. The meeting will take place a few days before the Wildfire 2011 conference (that will be held at Sun City) to allow SAFNET participants to also attend the Wildfire event. More detail will be posted soon!



SAFNet is a contributor to the [GOFC/GOLD](#) Initiative.

Maintained by [Webmaster](#) at [CSIR, Meraka Institute](#).



SAFNet Country Participation





SAFNet Objectives

- To enhance the use of validated remote sensing and geo-spatial information in southern Africa.
- To increase information on fire issues through research and raise public awareness.
- To promote a forum for informed communication on fire related issues within the region.
- To communicate regional fire needs at international level.
- To collate and disseminate regional fire information, data and best practices for field observations.
- To develop and maintain links to existing fire and other networks



SAFNET Focus Areas

Provision of satellite based fire products

National to Regional scale systematic fire monitoring in support of fire management

Remote sensing based capacity building and training

Validation of new satellite fire products

Support national and regional fire policy development



Africa Monitoring of the Environment for Sustainable Development - AMESD

- EU – AU partnership
- A continental wide, pan-african project for the development of geo-information services

**African Union
Commission**

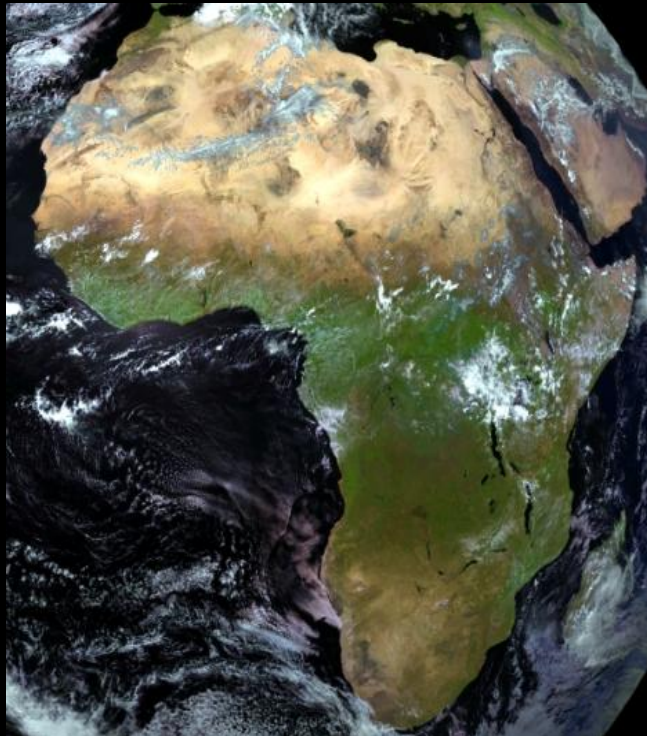


**European Union
9th EDF**



**5 Regional Economic Communities
(REC)
CEMAC, ECOWAS, IGAD, IOC, SADC
+ ACP Secretariat**

**International partners
(Eumetsat, JRC, WMO, UNEP,
UNECA, FAO)**



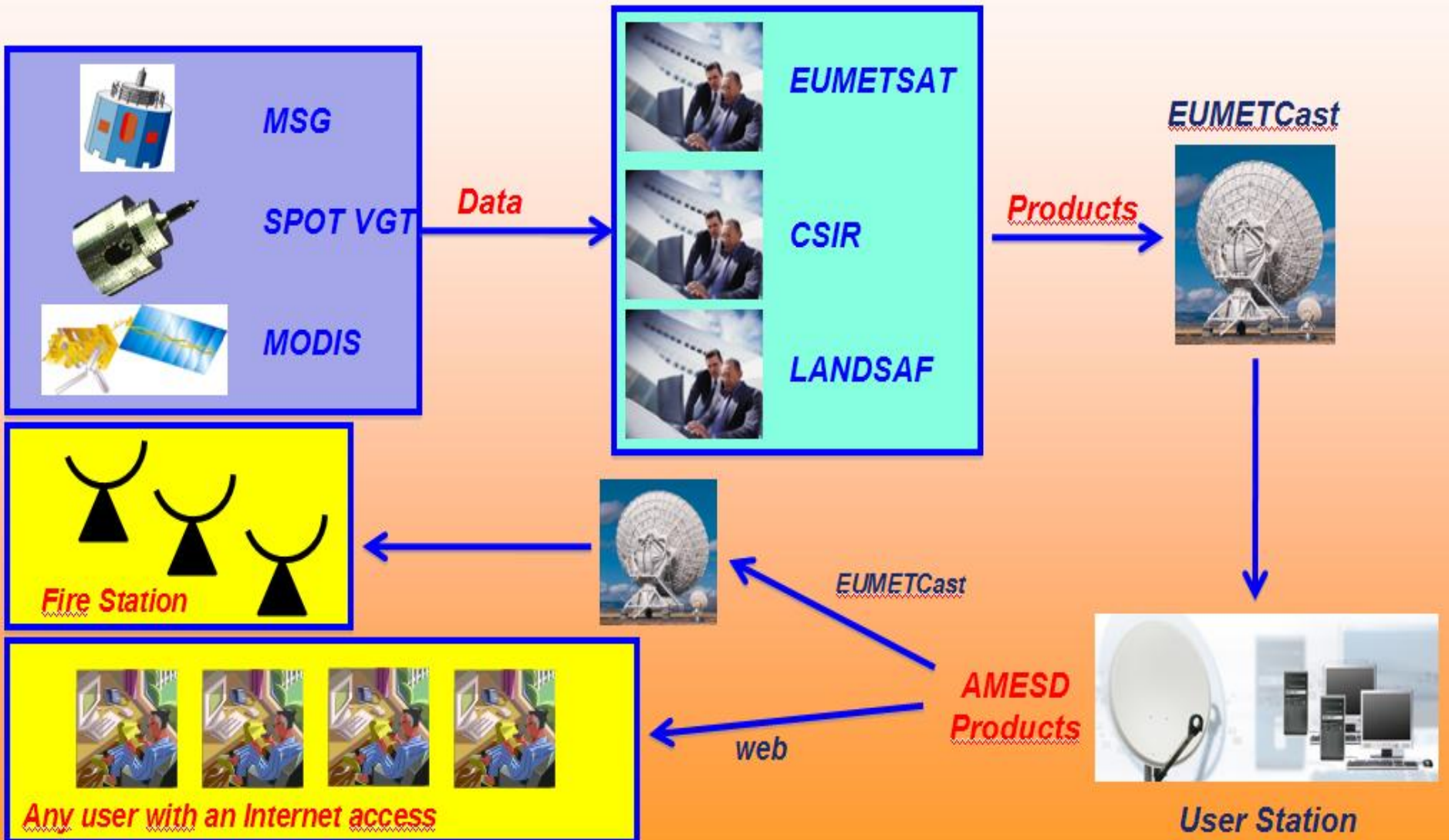


AMESD general purpose

To improve decision making-processes in the fields of environmental resource and environmental risk management in Africa:

- 1) By increasing the information management capacity of African regional and national institutions mandated for environment-related sectors, and
- 2) By facilitating access to Africa-wide environmental information derived from EO technologies

To allow “ Informed decision making”





SADC THEMA Services: Overview

Agriculture
Service
(ARC-ISCW)

Drought
Service
(ARC-ISCW)

Fire
Service
(CSIR-Meraka)

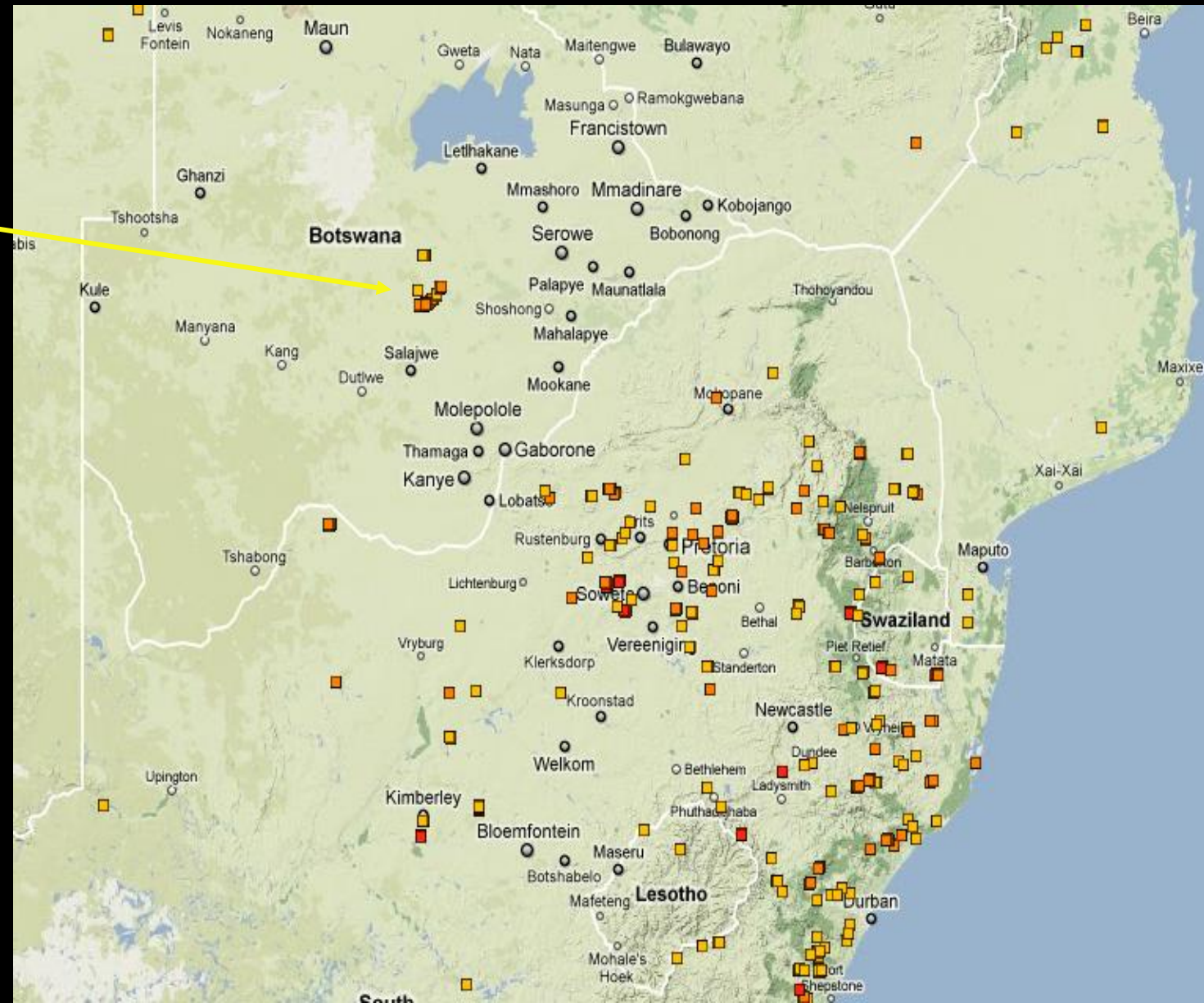
Long Range Forecast (SAWS LRF)

Capacity Building, User Interaction, Data Access (CSIR-SAC)



Fire products

1. Satellite
2. Time of Detection
3. Fire Intensity
4. Land cover
5. Fire Danger
6. Date since last burn
7. Vegetation Moisture
8. Vegetation Productivity





AMESD Fire Stations

An AMESD fire station for each SADC countries Ministry of Environment by July 2011

Low cost C band data reception without the need for any internet connection

Active fire, burned area and fire danger products disseminated daily



Thanks you



8th SAFNet meeting Golden Gate National Park

