

# Study And Monitoring of Active African Volcanoes (SAMAAV) using space borne SAR interferometry (InSAR)

## Coordination:

Musée National d'Histoire Naturelle, **Luxembourg**

Musée Royal d'Afrique Centrale, **Belgique**

## Support:

### • **Satellite data:**

Supported by ESA through CAT-1 project C1P.3224 (end 2005 → end 2007)

Expected support from ESA through ALOS program (end 2006 → end 2009)

### • **Funding:** SAMAAV members own supports

# Objectives:

- Study and monitoring of volcanic activity
- Contribution to ground based instrument location
- Volcanic hazard assessment
- Implementing of InSAR technique in Africa

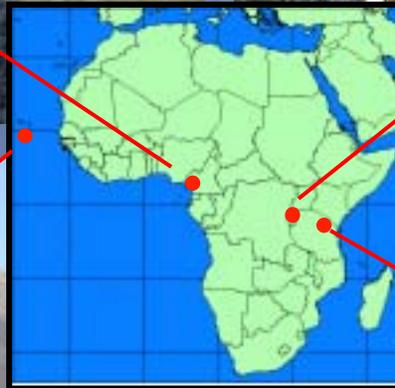
# Selected sites

## Mt Cameroon (Cameroon):

Poorly monitored  
Poor SAR archive database

## Nyiragongo-Nyamuragira (DRC):

Improvements after 2002  
Very good SAR archive database



## Fogo (Cap Verde):

seismometers, tiltmeters, GPS  
Good SAR archive database

## Oldoino Lengai (Tanzania)

No monitoring  
Poor SAR archive database

## Participants:

- Laboratory for Engineering Geology. University of Liège. (**Belgique**)
- Dept. of Geology University of Ghent. (**Belgique**)
  
- Instituto de Astronomia y Geodesia, CSIC, Madrid Univ. (**Espagne**)
- Instituto Superior Tecnico, Lisbon. (**Portugal**)
- Laboratoire Magmas et Volcans. Blaise Pascal University, Clermont-Ferrand. (**France**)
  
- Dar es Salaam University. (**Tanzanie**)
- Geological Survey of Tanzania, Dodoma. (**Tanzanie**)
- Instituto Nacional de Meteorologia e Geofísica de **Cabo Verde**  
Volcanological
- Observatory of Goma, (**Dem. Rep, Congo**)
- Dept. of Geology and Environmental Science, University of Buea.  
(**Cameroun**)