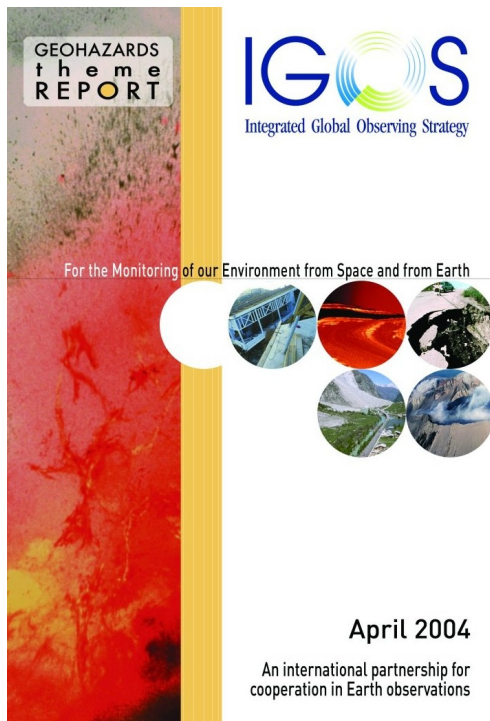


Geohazards Community of Practice Workshop: Background, Scope, Goals & Outcome



Stuart Marsh¹

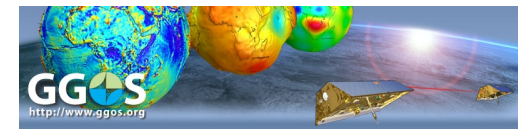
Hans-Peter Plag²

Robert Missotten³

¹ British Geological Survey

² Global Geodetic
Observing System

⁴ United Nations
Educational, Scientific &
Cultural Organisation



IGOS Geohazard Theme...



Water Cycle



Carbon Cycle



Oceans



Solid Earth



Land



Atmosphere



Coastal



Cryosphere

... became a Geohazard CoP

Water Cycl

Carbon Cycl

Oceans

Geological
Hazards

Land

Atmosph

ere

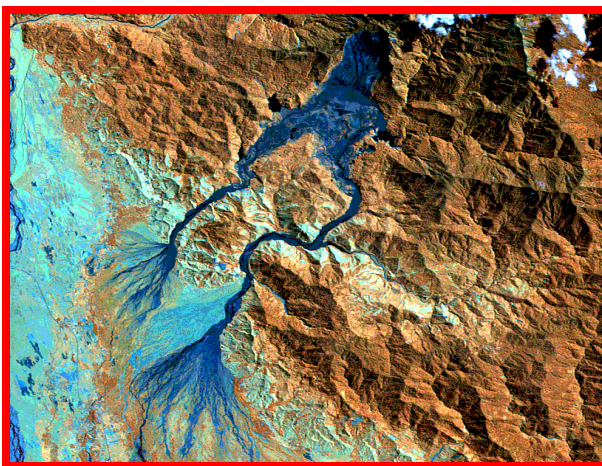
Coastal

Cryosph

Which Geohazards...?



Earthquakes



Landslides



Volcanoes

IGOS Geohazard Theme:

Aims and Objective

Integrate current disparate, applied EO research into global, operational, geohazard systems by:

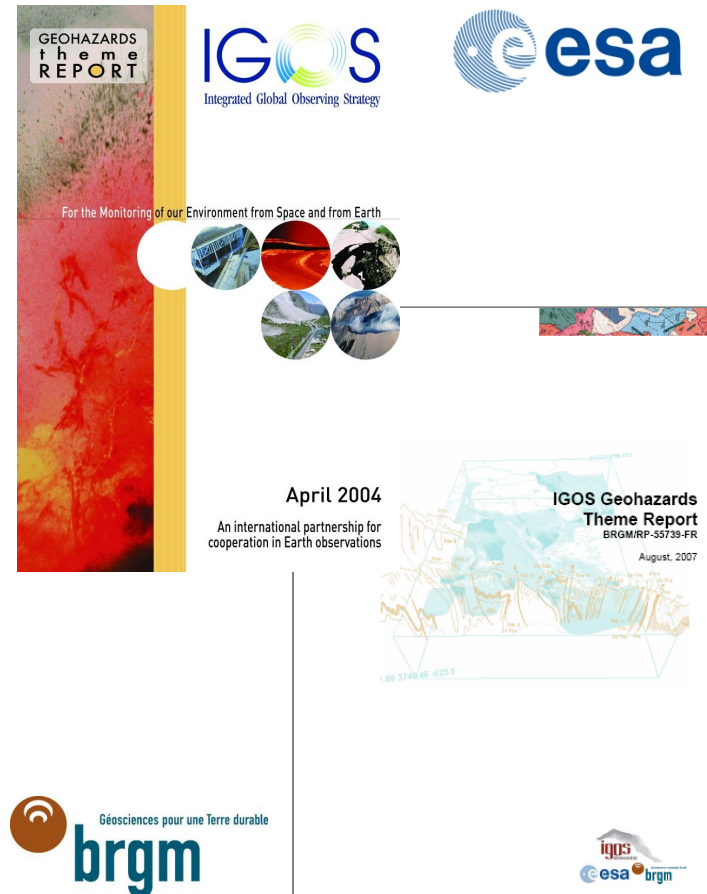


- Community Workshops
- Integration activities
- Working Groups
- Associated Projects



Geohazard Theme Report

- Published by ESA in April 2004
- Update led by BRGM August 2007
- Disseminated by IGOS Geohazards Executive Bureau in BRGM



➤ www.igosgeohazards.org

Geohazards in the GEOSS Disasters SBA

**Volcanoes,
*Volcanic ash and
aerosols***

Tropical cyclones

Sea and lake ice

Extreme weather

Earthquakes

**Coastal hazards and
*Tsunamis***

Wild fires

**Landslides and
subsidence**

Floods

Pollution events

Elsewhere: disease, drought, algal blooms and invasive species

Regional Community building

South East Asia: **Objective:**
enhance regional and international cooperation on geological disasters in SE Asia.

Geohazards workshop, June 2006, with support of The Malaysian remote sensing Center (MACRES), the Group on Earth Observation (GEO), NASA, UNESCO and IGOS Geohazards



**GEO South East Asia
Geohazards Workshop**

29-30 June 2006

MACRES, Kuala Lumpur, Malaysia



**Geohazards
Working Group**



THE REPUBLIC OF UGANDA



IGCP 482/489

Europe: ***EuroGeoSurveys & Geohazards Community of Practice support the establishment of the***



International Geohazard Week: DI-06-03, DI-06-07, CoP

Monday 5	Tuesday 6		Wednesday 7	Thursday 8	Friday 9	
GGOS Workshop (And possibly ESA User Workshop Globvolcano)	GGOS Workshop conclusion (open)	Preparatory meeting Press conference	Initiatives & Projects	Working groups (International and regional cooperation, users and science, observing systems)	European Regional Community of Practice And other meetings	
				Visit of ESRIN Working groups		
Lunch	Lunch	Lunch	Lunch	Lunch	Lunch	
GGOS Workshop	ESA User workshops	Opening Diner Villa Grazioli	Regional GeoHazData special session	WG Cocktail	EuroGeo survey Geohazards	IGOS Geohazards Steering Committee

Geohazard Task: DI-09-01a Vulnerability & Risk

Description of Task in GEO Workplan:

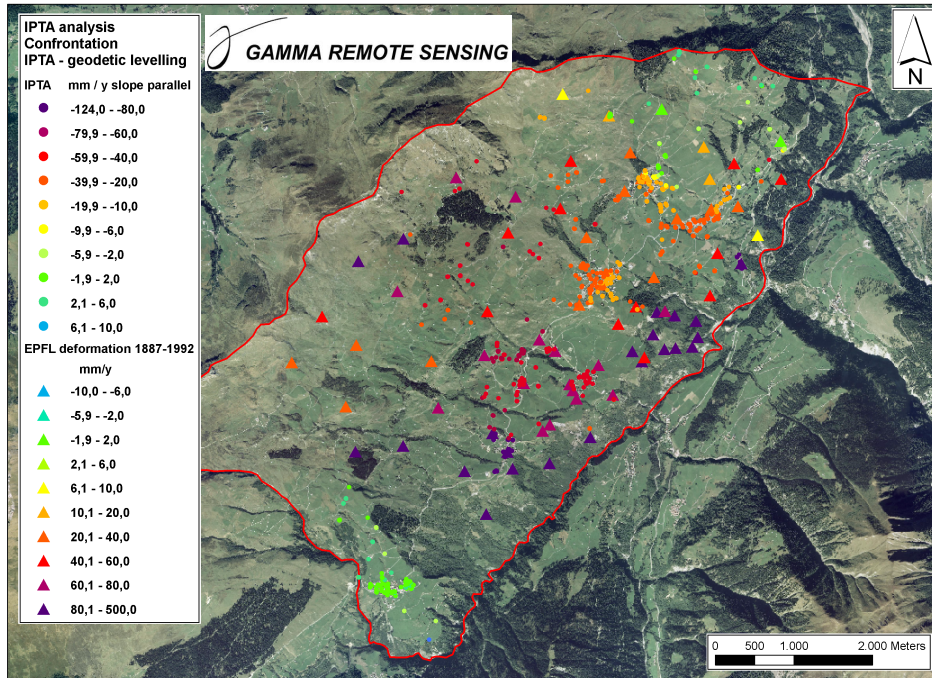
- Enhance SAR data access & InSAR-GPS integration

Analyse and document case studies

- Extensive work in GMES Service Element **Terrafirma**

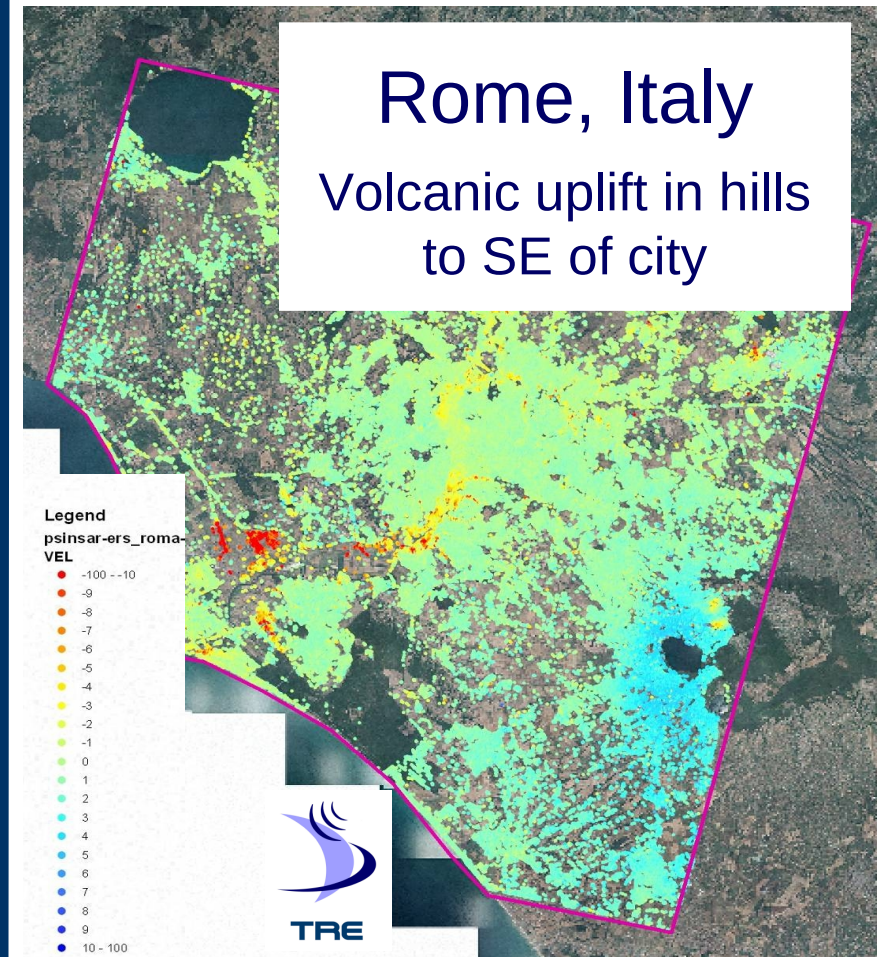
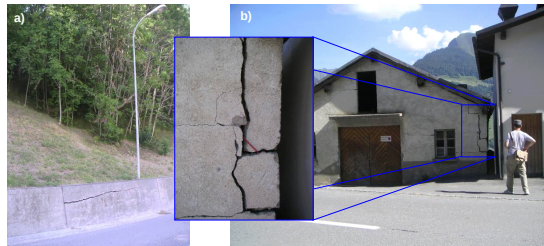
**Space and other Agencies
discussing test sites**

Examples: ground motion service

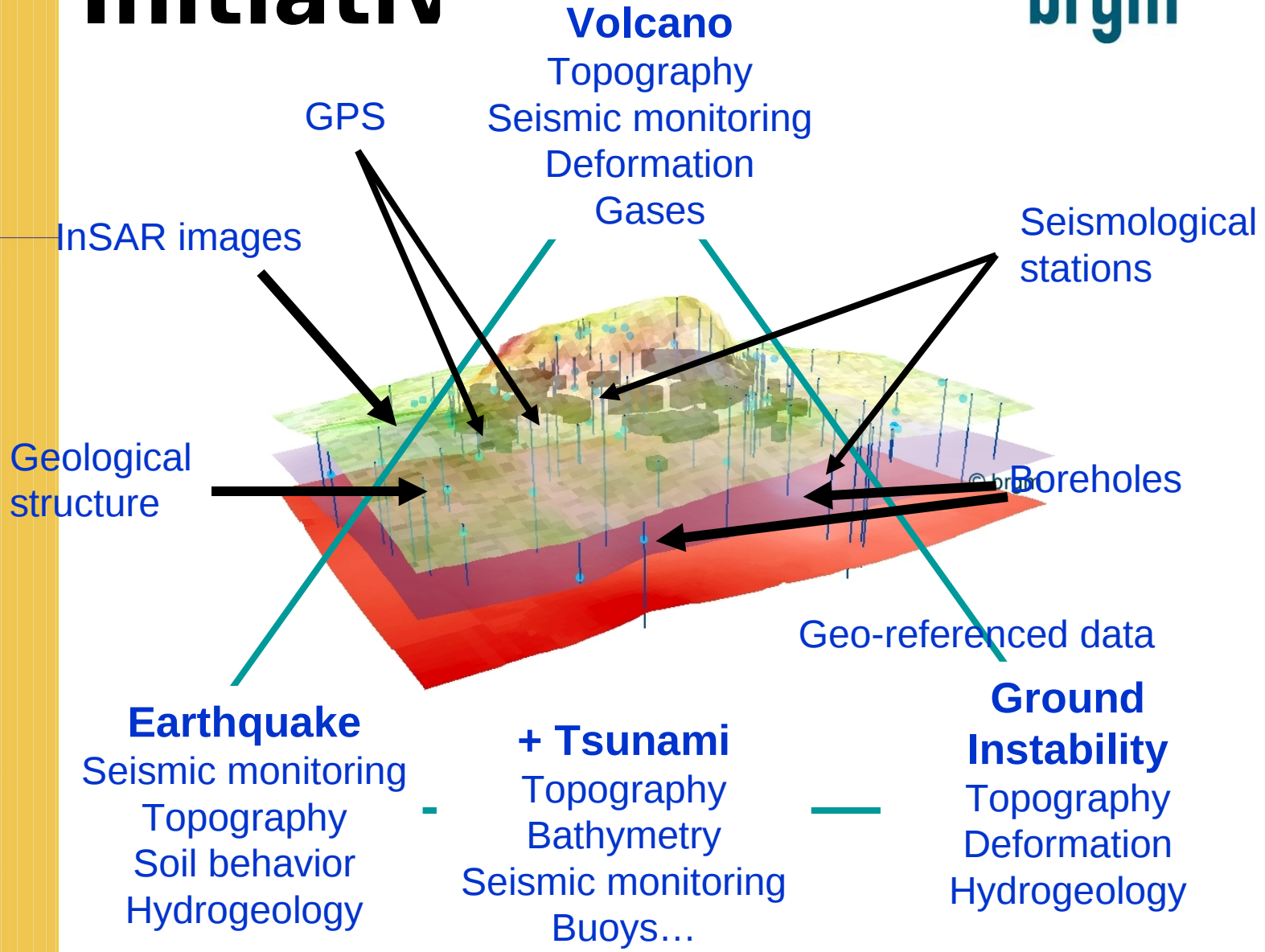


Lumnez,
Switzerland

Landslides



Super Sites Initiative



New: Global Seismic

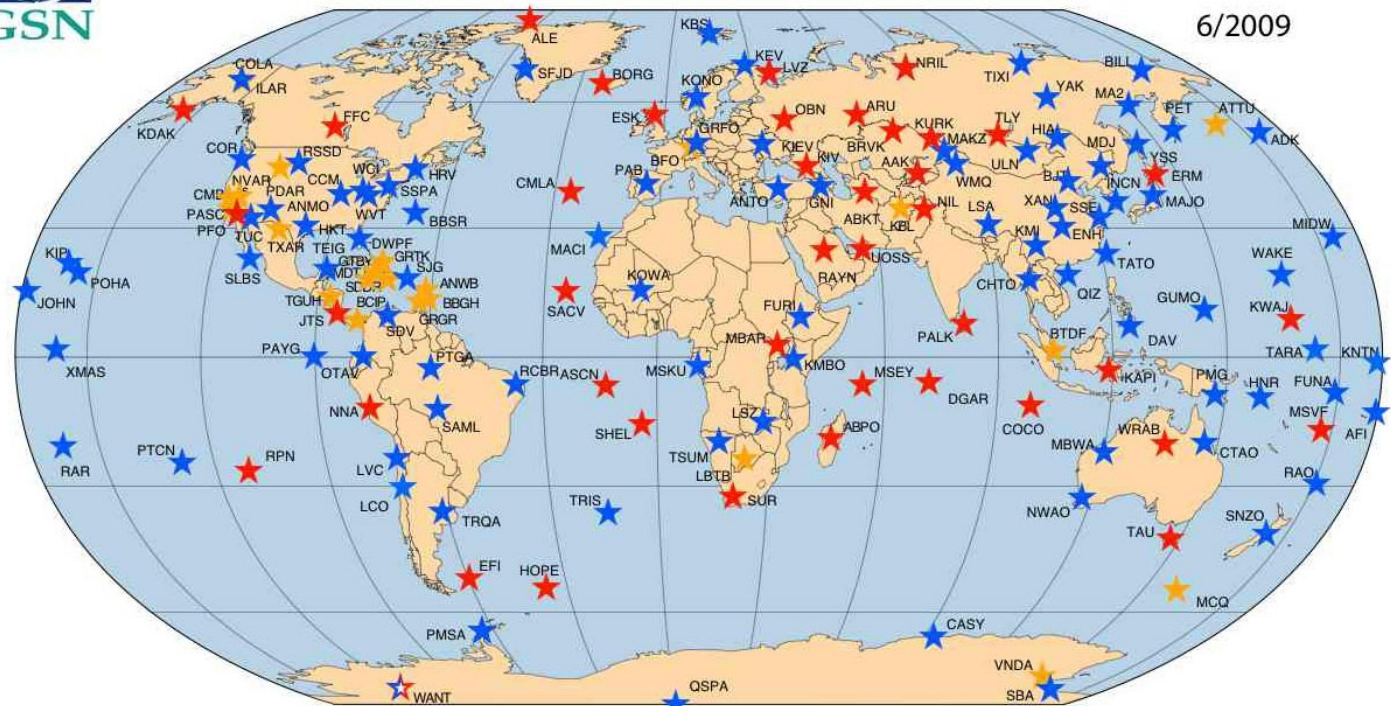
Data

- EC, US, FDSN & ISC are making the seismic data



GLOBAL SEISMOGRAPHIC NETWORK

6/2009



★ IRIS / IDA Stations

★ IRIS / USGS Stations

★ Affiliate Stations

★ Planned Stations

Workshop Goals & Outcome

- **Focus GHCP on GEOSS and end-user needs**
- **Welcome new players e.g. SERVIR, GEM**
- **Consider the geohazards in context of GEO**
- **Examine GEO geohazard Tasks/Sub-Tasks**
- **Build on members' initiatives like: SuperSites, ICSU Integrated**

GEO Into 3rd Dimension...

