EUROPEAN CENTER FOR GEODYNAMICS AND SEISMOLOGY

96th Journées Luxembourgeoises de Géodynamique (JLG)

---- October 24-26, 2011 ----

- SCIENTIFIC PROGRAM -

last updated: 6 October 2011

Monday October 24

09:00 – 10:00 Registration, Welcome

Morning session

- 10:00 10:40 <u>Ruch, J.</u>, V. Acocella, N. Geshi, A. Nobile and F. Corbi Kinematic analysis of vertical collapse at volcanoes using analogue model time series
- 10:40 11:20 <u>Kervyn, M.</u> and A. Delcamp How unstable are volcanoes? Gravity-induced deformation at African volcanoes
- 11:20 12:00 <u>Vye, C.</u>, B. Napier, K. Smith, S. Medynski and T. Wright High-resolution 3D derivation of volcanic architecture in Afar, Ethiopia
- 12:00 13:30 Lunch

Afternoon session 1

- 13:30 14:10 <u>Samsonov, S.V.</u> and N. d'Oreye Multidimensional time series analysis of ground deformation from SAR data acquired in various orbital geometries
- 14:10 14:50 Wauthier, C., <u>V. Cayol</u>, F. Kervyn and N. d'Oreye *Nyiragongo volcano eruption, 2002, as constrained by multibeam InSAR data*
- 14:50 15:30 <u>Smets, B.</u>, F. Kervyn and N. d'Oreye New insights into the geodynamic framework of the western part of the Virunga Volcanic Province
- 15:30 16:00 Coffee Break and Poster Session

Afternoon session 2

16:00 – 16:40	Gonzalez, P.J.
16:40 – 17:20	Volcanic ground deformation signatures in Canary Islands and Hawaii <u>Li, Z.</u> , W. Hammond, G. Blewitt, C. Kreemer and HP. Plag
	Vertical tectonic signals from integrated InSAR and GPS, Southern Walker Lane and Sierra Nevada, Western U.S.

17:20 – 18:00 <u>Heleno, S. et al.</u>

Persistent Scatterers Interferometry detects and measures ground subsidence in Lisbon

Tuesday October 25

Morning session

- 09:00 09:40 <u>Oyen, A.</u>, A. Hooper and M. King The contribution of InSAR towards measuring GIA in the Antarctic Peninsula
- 09:40 10:20 <u>Sansosti, E.</u>

The impact of second generation SAR sensors on the deformation time series analysis via DInSAR techniques: the COSMO-SkyMed study case

10:20 – 10:40 Coffee Break and Poster Session

10:40 – 11:20 <u>Derauw, D.</u>

Split Band SAR Interferometry: Theory and potential applications

- 11:20 12:00 <u>Benavent, M., J. Arnoso and J.G. Montesinos</u> ECOM: New software for ocean tide loading computation
- 12:00 12:15 Short presentations of posters (5 min each)
- 12:15 13:00 Lunch

Afternoon session 1

- 13:00 13:40 <u>Cotton, F.</u> The challenge of ground-motion prediction in low seismicity areas
- 13:40 14:20 <u>Bindi, D.</u>, S. Parolai and A. Oth Seismic hazard assessment in Central Asia
- 14:20 15:00 <u>Sokolov, V.</u> and F. Wenzel On the modeling of strong ground motion distribution in probabilistic seismic hazard assessment and loss estimation
- 15:00 15:25 Coffee Break and Poster Session

Afternoon session 2

15:25 – 15:40	Sokolov, V.
	Impressions from the giant Tohoku earthquake as perceived in Tokyo

- 15:40 16:20 <u>Hooper, A.</u>, J. Pietrzak, W. Simons, H. Cui, R. Riva and M. Naeiji *The Mw*=9.0 *Tohoku-Oki earthquake – could we have foreseen it? Evidence from a multidisciplinary analysis*
- 16:20 17:00 <u>Satriano, C.</u>, J.-P. Vilotte and P. Bernard *Multi-scale imaging of the 2011 great Tohoku earthquake using seismic antenna techniques*
- 17:30 19:00 Guided tour of "A Possen" Folklore and Viticulture Museum
- 19:00 23:00 Official Dinner of the JLG 2011

Wednesday October 26

Morning session

- 09:00 09:40 <u>Lancieri, M.</u>, R. Madariaga and L.-F. Bonilla Spectral scaling of the aftershocks of the Tocopilla 2007 earthquake in Northern Chile
- 09:40 10:20 <u>Ktenidou, O.-J.</u>, S. Arnaouti, C. Gelis and L.-F. Bonilla Some factors of uncertainty in the estimation of κ – application to Aegion, Greece
- 10:20 10:40 Coffee Break and Poster Session
- 10:40 11:20 <u>Oth, A.</u> and D. Bindi

On the sources of variability in ground-motion prediction equations: a regression analysis of KiK-net data in Japan

- 11:20 12:00 Closing session
- 12:00 14:00 Lunch
- 14:00 Departure of participants

POSTERS

01	<u>Smets, B.</u> , F. Kervyn and N. d'Oreye	Nyiragongo volcano (North Kivu, DRC): 3D modelling and monitoring of the main crater
02	<u>Alipour, S.</u> , K. Tiampo, S. Samsonov and P. Gonzalez	Creep rate estimation and modeling of slip distribution along Hayward Fault using polarimetric SAR interferometry
03	Ross, K.A., M. De Batist, F.S. Anselmetti, M. Schmid and A. Wüest	Mapping Lake Kivu's Northern Basin: A manifestation of seismic stratigraphy and high resolution bathymetry for a 3D perspective