

DARK SIDE OF REMOTE SENSING

Are you a loyal user of optical remote sensing but willing to broaden your horizons? Intrigued by radar remote sensing but afraid to take the first step? Fascinated by geological phenomena but unsure how to study them properly? ...

... then you might want to attend **The Dark Side of Remote Sensing** on Wednesday December 9th 2015 in the premises of BELSPO in Brussels.

In collaboration with the Belgian Science Policy Office (BELSPO), the Centre Spatial de Liège (CSL), the Royal Museum of Central Africa (RMCA) and the European Centre for Geodynamics and Seismology (ECGS - Luxembourg) are jointly organising a one-day workshop on satellite radar interferometry (InSAR) and its numerous applications.

Our objective: to inform you and to kick-start a Belgian community of InSAR users. The meeting will give an overview of SAR missions and InSAR basics, techniques and applications. Your needs and expectations will be discussed in detail and a Belgian Interferometric Group (BIG) will be launched.

VENUE

BELSPO building: Avenue Louise – Louizalaan, 231. B - 1050 Brussels
https://www.belspo.be/belspo/organisation/contact_en.stm

SURVEY

The meeting will discuss about your potential expectations and needs that such a Belgian Interferometric Group (BIG) group can address. To that end, participants are requested to fulfil the online survey: <http://goo.gl/forms/2rsWrHhNQw>

DEADLINES

Online survey: December 2nd 2015
Registration: December 2nd 2015

PROGRAMME

09h30	Registration
09h45	Welcome address by BELSPO
09h50	Introduction by Dominique Derauw (CSL)
10h00	Key note address by Pierre Potin (ESA Sentinel-1 Mission manager)
10h40	Key note address by Ramon Hanssen (TU Delft)
11h20	Coffee break
11h35	InSAR developments in Belgium (D. Derauw)
12h00	Classical differential InSAR: example of application in a volcano tectonic context (F. Kervyn)
12h20	Introduction to afternoon round table
12h30	Lunch
13h30	Fusion of PolSAR and PolInSAR data for land cover classification (M. Shimoni)
13h50	Overview of the ground movements highlighted by the Persistent Scatterer Technique (PSI) in Belgium (P-Y Declercq)
14h10	InSAR time series: the SBAS/PSI time series approach to study landslide movements (A. Nobile)
14h30	Advanced multidimensional high spatiotemporal resolution DInSAR time series analysis applied to ground deformation of natural and anthropogenic origin (N. d'Oreye)
14h50	InSAR and ice dynamics in Antarctica (S. Berger)
15h10	Round table and conclusions
16h	End of session

CONTACT

Dominique Derauw: dderauw@ulg.ac.be

Jean-Christophe Schyns: schy@belspo.be

Joost Vandenabeele: vdab@belspo.be

