

# Supra-National Ground Motion Service

Workshop November 2<sup>nd</sup> to 3<sup>rd</sup>, 2016 at

**BGR- Federal Institute for Geosciences and Natural Resources, Hanover**

BGR and colleagues from European partner countries have started or are planning to establish nationwide Copernicus Sentinel 1 based ground motion services. The idea of a Supra-national Ground motion service was already discussed on different platforms, recently EU Commission level, the EU Copernicus User Forum, at German national and European Geological Surveys (e.g. EGS/EOEG) meetings.

This European **User Workshop** will address discussions about cross-border cooperation **in Europe** to establish a **Supra-National Ground Motion Service** within the **Copernicus Program**. The user workshop is directed to the following key groups: EU-Commission, ESA, EGS-EOEG, Copernicus User representatives, SMEs, representatives from administration and research and other stakeholders.

**2. November 2016 2.00 p.m. – 7.00 p.m.**

## ***Welcome***

**Watzel, Ralph (BGR, Federal Institute for Geosciences and Natural Resources)**

**Hohmeister, Christiane (BMVI, German Federal Ministry of Transport and Digital Infrastructure)**

## ***Introduction***

**14.20 Lege, Thomas (BGR, Federal Institute for Geosciences and Natural Resources)**

“Ground Motion Service Germany – a further iterative step towards a Supra National Ground Motion Service”

## ***Keynotes***

**14.40 Mitu, Nicolae (EU-COM, European Commission)**

"Copernicus and Ground Motion"

**15.00 Bally, Philippe; Rosich, Betlem (ESA, European Space Agency)**

“The Contribution of Sentinel-1 to terrain motion mapping for geohazards”

**15.20 Bejdakic, Ervin (BMW, German Federal Ministry of Economic Affairs and Energy)**

“National Copernicus Ground Motion Service as a door opener”

**15.40 Hoffmann, Jörn (DLR- RFM, German Aerospace Center - Space Administration)**

„A possible Copernicus Ground Motion Service in the international context“

**Coffebreak 16.00- 16.30**

### **National Activities – Ground Motion Services**

16.30 **Kalia, Andre (BGR, Federal Institute for Geosciences and Natural Resources)**

“Ground Motion Service Germany”

16.45 **Dehls, John (NGU, Geological Survey of Norway)**

“The Norwegian national ground motion service - experience from first year(s) of operation”

17.00 **Casu, Francesco (IREA, National Research Council of Italy)**

“Systematic Sentinel-1 displacement time series generation through the SBAS-DInSAR processing”

17.15 **Steeghs, Philippe (TNO, Netherlands Organization for Applied Scientific Research)**

“Ground motion services activities in the Netherlands”

17.30 **Przyłucka, Maria (PGI, Polish Geological Institute)**

“InSAR monitoring of geodynamic movements in Poland”

17.45 **Declercq, Pierre-Yves (Geological Survey of Belgium)**

“Ground movements in Belgium highlighted by radar interferometry”

18.00 **Fredenslund Levinsen, Joanna (SDFE, Danish Agency for Data Supply and Efficiency)**

“Deformation monitoring in Denmark – Danish initiatives”

18.15 **Mateos Riuz, Rosa María; Béjar Pizarro, Marta (IGME, Geological Survey of Spain)**

„Geohazards INSAR mapping and monitoring in Spain“

18.30 **Stefouli, Marianthi (IGME, Institute for Geology and Mineral Exploration)**

“InSAR monitoring activities in Greece”

18.45 **Durand, Philippe; Diament, Michel (CNES; IGP University Paris)**

“French initiative toward national PS coverage for ground deformation monitoring”

19.00 **Comerci, Valerio (ISPRA, Italian National Institute for Environmental Protection and Research)**

“The Italian systems of regional environmental agencies and geological surveys: towards a Copernicus Ground Motion Service”

19.15 **Wrap-up 1<sup>st</sup> day**

**3. November 2016 9 a.m. – 1 p.m.**

**Towards a Supra-National Ground Motion Service**

9.00 **Frei, Michaela (BGR, Federal Institute for Geosciences and Natural Resources)**

“EOEG report on national Earth Observation activities in the framework of Sentinel and Copernicus data and services”

9.15 **Przyłucka, Maria (EGS –EOEG, EuroGeoSurveys- Earth Observation and Geohazards Expert Group)**

“EGS-EOEG activities regarding European data base activities”

09.30 **Hovenbitzer, Michael (BKG, Federal Agency for Cartography and Geodesy)**

“Copernicus Land Monitoring Services”

09.45 **Liebsch, Gunter (BKG, Federal Agency for Cartography and Geodesy)**

“The Integrated Geodetic Reference Network (GREF) – a geodetic infrastructure in Germany”

10.00 **Söhne, Wolfgang (BKG, Federal Agency for Cartography and Geodesy)**  
“European Permanent Network (EPN): 20 Years of European GNSS Infrastructure”

10.15 **Adam, Nico (DLR, German Aerospace Center)**  
„ EU Wide Area PSI: Experiences from Terrafirma“

10.30 – 11.30 Discussion – Proposal towards a Supra National Ground Motion Service

**Coffeebreak 11.30-12.00**

12.00 Wrap-up  
Closing Remarks

***Social gathering on the evening of November 2<sup>nd</sup>, from 8 p.m., at the “Ernst-August-Brauhaus”, Hanover (on own expense).***