

## EGU Sharing Geoscience Online 2020 (4-8 May 2020)

### GI1.2: COST Actions in geosciences: breakthrough ideas, research activities and results

**Convener:** Lara Pajewski

**Co-conveners:** Aleksandar Ristic, Patricia María Rodríguez González

The abstracts will be presented in the following order.

#### Part 1: Recently ended COST Actions and their follow-up initiatives **(6 abstracts)**

D635 | EGU2020-3657

Uncovering the Mediterranean Salt Giant (MEDSALT) – Scientific Networking as Incubator of Cross-disciplinary Research in Earth Sciences

Angelo Camerlenghi and Vanni Aloisi  
(COST Action **CA15103**)

D636 | EGU2020-12910

EU COST Action **ES1404**-HarmoSnow  
Ali Nadir Arslan

D637 | EGU2020-22084

Results of the cyberparks COST Action **TU1306**

Eva Savina Malinverni, Roberto Pierdicca, Carlos Smaniotto Costa, Alfonso Bahillo Martinez, and Ernesto Marcheggiani

D651 | EGU2020-13066

BioLink: Linking belowground biodiversity and ecosystem function in European forests

Douglas Godbold, Mark Bakker, Ivanno Brunner, and Martin Lukac  
(COST Action **FP1305**)

D648 | EGU2020-19835

TU1208 GPR Association: Why? How? What?

Lara Pajewski  
(COST Action **TU1208**)

D649 | EGU2020-19699

Use of COST networking tools to achieve the objectives of a COST Action, enhance its impact, and maximize the benefits of its Members – challenges and lessons learnt in COST Action **TU1208**

Aleksandar Ristic, Lara Pajewski, Miro Govedarica, and Milan Vrtunski

#### Part 2: Ongoing COST Actions **(8 abstracts + 1?)**

D638 | EGU2020-10408

COST Action Underground4value: Living Labs for the Underground Built Heritage valorisation

Giuseppe Pace  
(COST Action **18110**)

D639 | EGU2020-21733  
The COST Action **CA17133** "Circular city"  
Natasa Atanasova and Guenter Langergraber

D640 | EGU2020-22165  
Ambient seismic noise suppression in COST action G2Net  
Velimir Ilić, Alessandro Bertolini, Fabio Bonsignorio, Dario Jozinović, Tomasz Bulik, Ivan Štajduhar, Iulian Secieru, and Soumen Koley  
(COST Action **CA17137**)

**D641 | EGU2020-19560** → no presentation materials yet  
Soil Moisture Retrievals from Unmanned Aerial Systems (UAS)  
Ruodan Zhuang, Salvatore Manfreda, Yijian Zeng, Zhongbo Su, Nunzio Romano, Eyal Ben Dor, Antonino Maltese, Fulvio Capodici, Antonio Paruta, Paolo Nasta, Nicolas Francos, Giuseppe Ciralo, Brigitta Szabó, János Mészáros, and George P. Petropoulos  
(COST Action **CA16219**)

D654 | EGU2020-1282  
COST Action LAND4FLOOD - Natural Flood Retention on Private Land: Overview of recent activities and future plans  
Nejc Bezak, Lenka Slavíková, and Thomas Hartmann  
(COST Action **CA16209**)

D642 | EGU2020-5122  
Accelerating Global Science on Tsunami Hazard and Risk Analysis (AGITHAR)  
Joern Behrens, Inigo Aniel-Quiroga, Sebastiano D'Amico, Frederic Dias, Ira Didenkulova, Serge Guillas, Stefano Lorito, Finn Lovholt, Jorge Macias, Shane Murphy, Ocal Necmioglu, Rachid Omira, Simone Roedder, and Mathilde Sorensen  
(COST Action **CA18109**)

D643 | EGU2020-10625  
BOTTOMS-UP: Biodiversity of Temperate Forest Taxa to Orient Management Sustainability by Unifying Perspectives  
Murat Sarginci, Péter Ódor, Inken Doerfler, Thomas Nagel, Yoan Paillet, Tommaso Sitzia, Flóra Tinya, Admir Avdagić, and Julie Ballweg and the COST Action **CA18207**

D644 | EGU2020-14370  
inDust: International Network to encourage the use of monitoring and forecasting DUST products  
Sara Basart and Slodoban Nickovic and the inDust Core Group  
(COST Action **CA16202**)

D645 | EGU2020-20728  
Profiling the Atmospheric Boundary Layer at European Scale - COST Action  
Kreso Pandzic and Tanja Likso  
(COST Action **CA18235** and past Actions **75, 710, 715, 720, 727, ES0702, ES0802, ES1004, ES1303**)

### Part 3: Ideas for future COST Actions (1 abstract)

D656 | EGU2020-20601

A European Network for Extreme Atmospheric Events Detection and Monitoring  
Riccardo Biondi and Stefano Corradini

### Part 4: Other EU and international collaborative projects (2 abstracts)

D646 | EGU2020-11216

**X-MINE project (H2020):** testing the capabilities of X-ray techniques in drill core scanning and ore sorting

Marian Munteanu, Stefan Sädbom, Janne Paaso, Mikael Bergqvist, Nikolaos Arvanitidis, Ronald Arvidsson, Jacek Kolacz, Evangelos Bakalis, Desislav Ivanov, Kleio Grammi, Juha Kalliopuska, Stepan Polansky, Michael Gielda, Jan-Erik Björklund, Lotta Sartz, Karin Högdahl, Paul Attiwell, Edward Lynch, Stefan Luth, and Edine Bakker

D647 | EGU2020-11212

**BSUIN - Baltic Sea Underground Innovation Network**

Jari Joutsenvaara and the BSUIN collaboration

### Part 5: Projects carried out by small research teams or individual scientists

(2 abstracts + 2?)

D657 | EGU2020-13645 → no presentation materials yet

Ground penetrating radar investigations in Quebrada Montes, Lobitos, Peru  
Lai Bun Lok, Diego Almendrades, Michael Alderson, Alejandro Pizarro, Andres Bustamante, and John Shi

D658 | EGU2020-7248

The Norwegian node for the European Multidisciplinary Seafloor and water column Observatory

Thibaut Barreyre, Ilker Fer, and Bénédicte Ferré

D659 | EGU2020-3052 → no presentation materials yet

LIDI 2 - New Evaluation Strategy for Accurate and Precise Clumped Isotope CO<sub>2</sub> Analysis on Carbonate Samples

Magda Mandic, Mario Tuthorn, Nils Stoebener, Jens Radke, and Johannes Schwieters

D660 | EGU2020-17

A Geodesist's Involvement Into Archaeology; A Beginning of Huge Discoveries  
Mosab Hawarey