

UN-GGIM: Europe – Side Event

The challenge of GEOAI

GEOAI for Good & GEOAI for a Sustainable Europe

Thursday, 14 October 2021

14:00 – 15:30 (CEST)

CONCEPT NOTE

Initiative of UN-GGIM Academic Network - European branch as part of the Eighth Penary of UN-GGIM Europe

Description:

The Academic Network of UN-GGIM is a coalition of recognized universities and research and education centers involved in research, development and education on geospatial, land information and related matters, run on a volunteer basis. The Network's primary objective is to support the aims and objectives of the Committee of Experts on Global Geospatial Information Management (UN-GGIM) by facilitating access globally to research and education capabilities for UN-GGIM and its affiliated members to identify and respond to challenges and opportunities for UN-GGIM and related UN offices. <http://unggim.academicnetwork.org/>

Artificial Intelligence (AI) has shifted from the realms of future technology. Deep learning, machine learning, AI, Big Data are no longer buzzwords but emerging technologies that are shaping the way data is collected, maintained, managed and used. From various sources, AI is being declared to be essential technology for future geospatial activities. In this context, it is important to answer questions such as: What are the potentials of AI? What are the current technology trends in AI for geospatial data? And, what are the potential risks?

This workshop aims to raise awareness and understanding of AI within the geospatial/geomatics and Earth Observation AI (GEOAI) context. By sharing key trends and experiences of implementing GEOAI this workshop will help us to appreciate the benefits and effects of GEOAI. The workshop is aimed at everyone interested in AI-application in the geospatial domain

Agenda:

14:00 Welcome

Joep Cromptvoets (UN-GGIM Academic Network / KU Leuven (Belgium))

14:15 Machine Learning for Earth and Climate Sciences

Gustau Camps-Vall (Valencia University, Spain)

14:30 Machine Learning and Deforestation in Amazonia

Maria Brovelli ((UN-GGIM Academic Network, Politecnico di Milano (Italy))

14:45 AI at national mapping and cadastral agencies in Europe

Colin Bray (OSi, EuroGeographics)

15:00 Interactive Panel Discussion (based on a set of propositions)

Panellists: Gustau Camps-Vall, Maria Brovelli, Colin Bray, Seb Lessware, Tomaz Petek

15:30 Wrap up & Closure