

Online Copernicus 'Eyes on Earth' Roadshow & 2nd EO4GEO Summit

(June 2-3, 2020)

Tuesday 2nd June

10:00 - 11:00	Introduction and welcome to the Eyes on Earth Roadshow and Earth Observation Summit online event <ul style="list-style-type: none"> Miss Blaženka Divjak, Minister, Ministry of Science and Education, Croatia Mr Andre Richier, Deputy Director, DG for Internal Market, Industry, Entrepreneurship and SME's (GROW) t.b.c. Mr Pascal Claudel, acting GSA Executive Director Mrs Milva Carbonaro, GISIG, EO4GEO Project Coordinator EC/DG DEFIS representative t.b.c. 			
11:30 - 12:30	SESSION I - Introduction to the Copernicus Programme [basic knowledge] <p>If you are interested in satellites and space, but not sure how or where to start, join this session. Stijn Vermoote of the European Centre for Medium-Range Weather Forecasts (ECMWF) introduces Copernicus, the European Union's programme for Earth observation. Through the Copernicus products and services, vast amounts of data are turned into information that help us understand our planet. Federico Fierli of the European Organisation for the Exploitation of Meteorological Satellites (EUMETSAT) shows how satellites work and what we can (and cannot) expect from these "Eyes on Earth". You will be able to ask questions to Stijn and Federico.</p> <p>Introduction to Copernicus and Services [illustrated by COVID19 examples]</p> <ul style="list-style-type: none"> Mr Stijn Vermoote, User Engagement Manager Copernicus Services, ECMWF <p>Satellite Do's and Don'ts [illustrated by COVID19 examples]</p> <ul style="list-style-type: none"> Mr Federico Fierli, User Support and Climate Service Division, EUMETSAT 	Round Table "Earth Observation Sector Education and Application for Future Jobs and Prospering Business" Panelists: <ul style="list-style-type: none"> Mr Tome Antičić, State Secretary, Ministry of Science and Education, Croatia Mrs Maria Vittoria D'Inzeo, Policy officer, DG for Defence Industry and Space (DEFIS) Mr Boris Drilo, President, Croatian Association of Employers - ICT Sectoral Association Mr Geof Sawyer, Secretary General, European Association of Remote Sensing Companies - EARSC Mr Danny Vandenbroucke, Catholic University of Leuven SADL, EO4GEO Project 		
12:30 - 13:00				
13:30 - 14:00	SESSION II - Maritime Spatial Planning (MSP) [basic knowledge] <p>The maritime space is under increasing demand for different purposes such as shipping, fishing, energy production (from oil and gas to offshore wind and tidal), aquaculture, tourism and raw material extraction. The European countries have agreed to implement maritime spatial planning to organize these - often competing - claims. Breda University of Applied Sciences demonstrate their serious game in support of the planning process, while Mercator Ocean presents the marine data products available for integration into such platforms as well as the Data and Information Access Service (DIAS) WEKEO. The experts will be on hand to answer your questions.</p> <p>Introduction to MSP</p> <ul style="list-style-type: none"> Professor Igor Mayer, Lecturer of Applied Games, Innovation and Society at NHTV <p>Breda University of Applied Sciences Introduction to: Integration Satellite Data</p> <ul style="list-style-type: none"> Mr Valentijn Venus, Ramani <p>Simulation game MSP</p> <ul style="list-style-type: none"> Doctor Harald Warmelink, Senior Research Project Leader at NHTV Breda University of Applied Sciences 		Real-world problems and work processes as starting point for case-based learning scenarios Designing GI and EO curricula in support of Copernicus - introduction and methodology <ul style="list-style-type: none"> Prof. Barbara Hofer, University of Salzburg, Department of Geoinformatics Z_GIS Business processes and occupational profiles <ul style="list-style-type: none"> Mrs Maria Iona Vlad Sandru, Romanian Space Agency Showcase: relations between work processes - actors - skills - knowledge - occupational profile <ul style="list-style-type: none"> Speaker t.b.c. Discussion	Agency Workshop Session
14:30 - 15:30				
15:30 - 16:30	SESSION III-A - Copernicus Services in depth CEMS [basic knowledge] The role of Earth observation in emergency situations <p>During the COVID-19 pandemic, on 22 March 2020 Croatia was hit by an earthquake with a magnitude of 5.3 followed by a series of aftershocks. The epicentre was 7 kilometres from Zagreb city centre, and this was the strongest earthquake in Zagreb since 1880. Igor Magdalenic of the Croatian Crisis Management Association shares his experiences of the last three months and presents the role of the Copernicus Emergency Management Service (CEMS) in supporting emergency response.</p> <ul style="list-style-type: none"> Mr Igor Magdalenic, founder, and president of the Croatian Crisis Management Association, Copernicus Academy member - Emergency Management and Copernicus Expert in charge of EMS Satellite Imagery Products Development for 3D EMS. 	SESSION III-B - Round table Discussion, Skills and strategy for space sector entrepreneurs <p>Looking through a magnifying glass at entrepreneurship with an expert panel. Have you got what it takes to be an entrepreneur or running a space start-up? What kind of skills set and strategy do you need to convert ideas to products and services? Are you ready to commit to a start-up as a stakeholder or investor? Join our Round Table discussion.</p> <ul style="list-style-type: none"> Mrs Marleen Bax and Mr Andrei Bocin-Dumitriu, Erasmus Centre for Entrepreneurship & BrainMill 	How to design curricula based on the work processes modelled. Curriculum Development in different steps for academic and vocational training Design of EO and related curricula <ul style="list-style-type: none"> Prof. Željko Bačić, University of Zagreb, Faculty of Geodesy Curriculum design - academic curriculum example <ul style="list-style-type: none"> Ass. Prof. Andrija Krtalić, University of Zagreb, Faculty of Geodesy Curriculum design - VET educational offer <ul style="list-style-type: none"> Mrs Marijan Grgić, PhD, University of Zagreb, Faculty of Geodesy Courses and modules as modular building bricks for curriculum design <ul style="list-style-type: none"> Mrs Ana Kuveždić Divjak, PhD, University of Zagreb, Faculty of Geodesy Discussion	Agency Workshop Session
16:30 - 17:00				

10:00 - 11:00	SESSION IV-A - Planet - providing insights at the speed of change	SESSION IV-B - Heat islands and Air Quality	The Body of Knowledge as the basis for curriculum design and other activities. What will you find in the BoK for GI*EO (examples and demonstration with real cases)	Agency Workshop Session
	<p>Get inspired by industry! Founded in 2010 by three NASA scientists, the company Planet designs, builds and operates over 150 satellites. The data their satellites generate, coupled with online software and tools, provides businesses and government with insight in the speed and magnitude of change on which to base their decision-making. With these insights, organisations can develop new technologies, drive revenue, power research, and solve our world's toughest challenges.</p> <ul style="list-style-type: none"> • Mr Luis Peraza • Doctor Rene Griesbach 	<p>Urban heat islands happen when surfaces of roofs, pavement, building facades and roads in densely built urban areas absorb and hold heat. This raises the local air temperature significantly compared to rural areas, and - while invisible to the eye - causes health problems and air pollution. In this session, you will learn how satellite images can "see" these heat islands and the quality of the air, allowing mitigation measures to be put in place.</p> <ul style="list-style-type: none"> • Doctor Alexander Los, Institute for Housing and Urban Development Studies 	<p>EO*GI BoK, its concept and role in curriculum design</p> <ul style="list-style-type: none"> • Mr Danny Vandebroucke, Catholic University of Leuven, Spatial Applications Division Leuven <p>EO*GI BoK content, where does it lead us</p> <ul style="list-style-type: none"> • Mrs Martyna Stelmaszczuk-Górska, PhD, Friedrich Schiller University Jena, Department for Earth Observation <p>Zoom in on cases -demonstration</p> <ul style="list-style-type: none"> • Prof. Rob Lemmens, University of Twente, Faculty of Geo-Information Science and Earth Observation (ITC) <p>Discussion</p>	
11:00 - 11:30	SESSION V - NO2 Air Pollution Monitoring <p>During this session you will be introduced to Sentinel-5p data, especially Level-2 NO2 Products. We will discuss the structure of the netCDF files in which the S-5p data is distributed and explore them using a well-known Python library (xarray). In addition, you will learn how to generate Level-3 products using HARP for a multi-temporal evaluation of NO2 over a study area. We will show you how to access the RUS Service and how to download, process, analyse and visualize the free data acquired by the Copernicus satellites. This session is suitable for participants with advanced knowledge of remote sensing and programming languages.</p>			
11:30 - 12:30	<ul style="list-style-type: none"> • Mrs Tereza Smejkalova, Remote Sensing Specialist, Copernicus Research and User Support for Sentinel core products 		How could companies make use of BoK and tools: Occupational Profile Tool and Job Offer Tool (demonstration of a real case)	Copernicus Programme info session for Western Balkans Countries
12:30 - 13:00			<p>Seeking for new skills and knowledge in EO*GI business sector</p> <ul style="list-style-type: none"> • Mrs Monica Miguel-Lago, Executive Secretary, EARSC <p>Use of EO*GI BoK and tools for companies and public sector</p> <ul style="list-style-type: none"> • Prof. Sven Casteleyn, University Jaume I Castello, GEOTEC Department <p>Demonstration of a real case</p> <ul style="list-style-type: none"> • Mr Giacomo Martirano, Epsilon-Italia srl. <p>Discussion</p>	
13:00 - 13:30				
13:30 - 14:00	SESSION VI - Copernicus Services in depth [basic knowledge] OIKON Ltd. case studies			EC/EACEA Erasmus+ and other programs 2021-2027 - to be defined
14:00 - 14:30	<p>The Croatian environmental consultancy and research institute presents three case studies where they demonstrate how satellite data, often combined with other data, is of value for agriculture, nature conservation and monitoring of forests for detection of fire and diseases. The Oikon Ltd. experts will be available to answer your questions about the applications and about their own background, skills, and career choice.</p> <p>The three cases presented are:</p> <ul style="list-style-type: none"> • Earth observation in agriculture: the journey from an image in space to a tree in your orchard; • Earth observation in nature conservation: modern conservation techniques using remote sensing for example in urban green analysis; • Earth observation for Forest Ecosystem Monitoring: help people connect the idea of Forest Ecology and Ecosystems with Earth Observation. The Copernicus Data and Information Access Service (DIAS) CREODIAS will show the availability of and access to data products to develop such applications. 		<p>Scenario's for learning actions: what is planned</p> <p>Improving existing and developing new training material</p> <ul style="list-style-type: none"> • Prof. Barbara Hofer, University of Salzburg, Department of Geoinformatics Z_GIS <p>Strategy based on case-based learning scenario's in 3 sub-sectors - Developing a method for designing case-based scenarios</p> <ul style="list-style-type: none"> • Mr Peter Zeil, PhD, Spatialservices, Salzburg Demonstration University of Salzburg, Department of Geoinformatics Z_GIS <p>Discussion</p>	
14:30 - 15:00	SESSION VII-A - Support Session for getting EO knowledge and Business support [basic knowledge]	SESSION VII-B - Information on Other support programmes [basic knowledge]		REA - Space Research Unit
15:00 - 16:00	<p>Online Copernicus Inspiration toolkit</p> <ul style="list-style-type: none"> • Mr Sam Waes, Verhaert 	<p>Contributors:</p> <ul style="list-style-type: none"> • ESA Space Applications • ESA BIC (Copernicus Masters) • EIT Digital (tbc) 	<p>Conclusions and next steps; how can you get involved?</p> <p>EO4GEO Next steps</p> <ul style="list-style-type: none"> • Mr Danny Vandebroucke, Catholic University of Leuven, Spatial Applications Division Leuven <p>How can you get involved?</p> <ul style="list-style-type: none"> • Mrs Milva Carbonaro, GISIG, EO4GE Project Coordinator <p>Closing</p> <ul style="list-style-type: none"> • Prof. Željko Bačić, University of Zagreb, Faculty of Geodesy 	
16:00-16:30				