

# First International Virtual Workshop

## Space Operations and Environmental Monitoring in Cyprus

Wednesday July 15<sup>th</sup> 2020, 08:00 – 16:30 CEST

09: 00-17.30 CYP.TIME

The 'EXCELSIOR' H2020 Teaming Project Consortium and the ERATOSTHENES Centre of Excellence (ECoE) organize the First Virtual International Workshop on 'Space Operations and Environmental Monitoring in Cyprus'. This Workshop is a part of the annual workshops that will be organized on a yearly basis, with the participation of all national, EMMENA and international stakeholders and addressing all the different activities of the ECoE, i.e., infrastructure, research, education and innovation through entrepreneurship

***Motivation: Public information on plans and prospects of EXCELSIOR related infrastructure for space operations, monitoring and environmental research and how these can be used for the projects and challenges in the Eastern Mediterranean.***

Free attendance via Internet. Please register through

<https://excelsior2020.eu/first-excelsior-technical-workshop/>

### DRAFT AGENDA:

EXCELSIOR Intro		
09:00 – 09:05 CYP. TIME	5	<b>Welcome</b> Diofantos HADJIMITSIS (CUT) & ERATOSTHENES Centre of Excellence
NEW	5	<b>Welcome</b> Nikolas MASTROYIANNOPOULOS, Chief Scientist for Research & Innovation Republic of Cyprus
	15	<b>Brief overview of EXCELSIOR</b> Kyriacos THEMISTOCLEOUS (CUT) & ERATOSTHENES Centre of Excellence
	5	<b>What the Cyprus National Council for Research and Innovation expects from EXCELSIOR? Sustainability of the ECoE</b> Andreas ANAYIOTOS (CUT)
	5	<b>Cyprus Activities in Space</b> George KOMODROMOS (Department of Electronic Communications, Deputy Ministry of Research, Innovation and Digital Policy)
	5	<b>Intro to the topic: What would be advantages and challenges for a space related infrastructure in Cyprus?</b> Gunter SCHREIER (DLR)
NEW To 9:45	5	<b>Opportunities for Earth Observation Business in EMMENA</b> Marcello Maranesi (Member of the External Advisory Board of Excelsior & ECoE)

<b>EXCELSIOR Plans</b>		
<b>10:00</b>	<b>15</b>	<b>A satellite ground station for maritime security</b> Egbert SCHWARZ (DLR)
	<b>15</b>	<b>Ground-based remote sensing supersite for atmospheric/climate research, satellite calibration, and support of local services</b> Albert ANSMANN, Johannes BÜHL, Patric SEIFERT, Ulla WANDINGER (TROPOS)
	<b>15</b>	<b>Leveraging Copernicus big satellite data and space technology for societal resilience. The generation of science and innovation in the context of EXCELSIOR for the ultimate benefit of the citizens</b> Haris KONTOES (NOA)
<b>To 10:45</b>		
<b>Future demands &amp; Opportunities</b>		
<b>11:00</b>	<b>15</b>	<b>NASA Contribution to the Eastern Med Region and to the EXCELSIOR Project &amp; The Mediterranean Regional Information Network (MedRIN) NASA Network</b> Vincent AMBROSIA (NASA)
	<b>15</b>	<b>The Copernicus space segment – current and future Sentinels</b> Simon JUTZ (ESA)
	<b>15</b>	<b>Copernicus SEA: Security in the Eastern Med area and Space assets</b> Denis BRUCKERT & Marcello MORETTI (EUSC)
<b>to 12:00</b>	<b>15</b>	<b>The AIR Center on Azores Island (tbc)</b> Pedro da Silva (AIR CENTRE - ATLANTIC INTERNATIONAL RESEARCH CENTRE)
<b>12:00 – 13:00</b>		<b>Noon Break</b>
<b>13:00</b>	<b>15</b>	<b>CYTA - a satellite station hosting facility</b> Antonis ANTONIOU & Soteris Alexandrou (CYTA)
	<b>15</b>	<b>Opportunities for new VHR Missions</b> George Ellis (EUSI)
	<b>15</b>	<b>International Ground Stations</b> Rani HELLERMANN (RBC)
	<b>15</b>	<b>The SoilPRO® as a new assembly to measure soil spectral information in the field over the Mediterranean region</b> Eyal BEN-DOR (Tel Aviv University)
	<b>15</b>	<b>Overview of the Ben-Gurion University of the Negev/The Earth and Planetary Image Facility activities with Nano satellites.</b> Aviran SADON, Dan BLUMBERG, Shimrit MAMAN (Ben-Gurion University of the Negev)
	<b>15</b>	<b>The Greek National Observatory of Forest Fires: an example for collaboration opportunities in the Eastern Mediterranean region</b> Ioannis GITAS (Aristotle University)
	<b>15</b>	<b>Earth Observation Data and Services for Carbon reduced agriculture</b> George ZALIDES (Aristotle University & I-BEC)

<b>To 15:00</b>	<b>15</b>	<b>Earth Observation activities in Malta and future opportunities for collaboration with Excelsior for the benefit of Med region</b> Charles GALDIES (University of Malta)
		<b>Short Break</b>
<b>15:15</b>	<b>15</b>	<b>Remote and in situ sensing of water combining Copernicus services with biosensor and IoT technologies</b> Panayiotis PHILIMIS (CyRIC)
	<b>15</b>	<b>Optical communication from Space to Ground</b> Marcus KNOPP (DLR)
	<b>15</b>	<b>CIP (Critical Infrastructure Protection): the interface between safety and security</b> George BOUSTRAS (EUC) (confirmed)
	<b>15</b>	<b>Landslide Monitoring and Risk Assessment in Cyprus</b> Skevi PERDIKOU (GEOFEM)
	<b>15</b>	<b>Offshore wind power assessment around Cyprus using Sentinel-1 data</b> Phaedon KYRIAKIDIS (CUT) & ERATOSTHENES Centre of Excellence
	<b>15</b>	<b>Measurement of Rainfall from Space-based Platforms</b> Silas MICHAELIDES & ERATOSTHENES Centre of Excellence
<b>To 17:00</b>	<b>15</b>	<b>CyCLOPS: A Strategic Research Infrastructure Unit for Geohazards Monitoring in Cyprus and the Southeastern Mediterranean Region</b> Chris DANEZIS (CUT) & ERATOSTHENES Centre of Excellence
<b>17:00 – 17:30</b>		<b>Questions/ Remarks</b>

## CONSORTIUM



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 857510



This project has received funding from the Government of the Republic of Cyprus through the Directorate General of the European's Programmes, Coordination and Development