

Poster Number	Downstream Applications: land use and management
P1	Development of dedicated SAR training sets used under PECS project (M. Atanasova-Zlatareva / National Institute of Geophysics, Geodesy and Geography, Bulgarian Academy of Sciences, BG)
P2	Earth Observations for operative forest management in Croatia (D. Klobucar / Croatian Forest Ltd Zagreb, HR)
P3	Space CARTOGRAPHER (M. Kozarik / Geodeticca Vision, SK)
P4	Addressing the use of EO and remote sensing technologies to assess economic indicators and identify economy trends (T. Papakosmas / Geomatics, CY)
P5	AMSADE – Ambrosia Satellite Detection using Earth Observation Data and Machine Learning (K. Pejnovic / List Labs, HR)
P6	Floodplan forests mapping using EO and AI (I. Pilas / Croatian Forest Research Institute, HR)
P7	Filling the gap in nitrogen oxides emission inventories with the use of satellite data and modeling (J. Kushta / The Cyprus Institute, CY)
P8	A sample of Slovak case studies to support EO-based research and business (A. Halabuk / Institute of Landscape Ecology, Slovak Academy of Sciences, SK)
P9	A novel algorithm for the automatic monitoring of narrow-leaved ash forests by remote sensing methods and Copernicus data (M. Gašparović / Faculty of Geodesy, University of Zagreb, HR)
P10	Advanced Power System Control supported by Copernicus Services, Part One: Fire danger and contingency analyses (A. Bozicek / Faculty Of Electrical Engineering And Computing, HR)
P11	The AiTLAS Ecosystem: An open-source AI framework for Earth Observation (D. Kocev / Bias Variance Labs, SI)
P12	Outcomes from the PECS project “Revealing the power of SAR data in different application areas – educating the new generation of professionals” (H. Nikolov / Space Research and Technology Institute - Bulg. Acad. Sci., BG)
P13	Mapping the effectiveness of NBS on the risk protection and reduction, applying novel and user-oriented methods for capturing and description urban and peri-urban land cover (3 dimensional elementary land cover features) (K. Milenov / Asde-ecoregions, BG)
P14	remotIO: Satellite-based InSAR Geodesy & Operational Infrastructure Monitoring (M. Bakon / Insar, SK)

	Downstream Applications: water & coastal monitoring
P15	WeSea - Autonomous Coastal Monitoring System (D. Matic / List Labs, HR)
P16	Knowledge gaps and prospects of Aquatic Remote Sensing in Lithuania – the results of the Qredo project (T. Dabuleviciene / Klaipeda University, LT)
P17	GNSS nowcasting demonstrator (G. Guerova / Sofia University "St Kliment Ohridski", BG)
P18	Identification of marine fronts as added-value products for downstream applications (S. Constantin / Terrasigna, RO)

	Structures and Thermal
P19	Invasive alien plant species detection capabilities and outlook – example of Ambrosia artemisiifolia and Amorpha fruticosa (move to session 1) (I. Tekic / Oikon - Institute of Applied Ecology, HR)
P20	Dewesoft Aerospace capabilities and notable existing applications (V. Selic / Dewesoft d.o.o., SI)
P21	Improving through thickness electrical conductivity in carbon fiber reinforced composites (K. Loizou / AmaDema, CY)

	Materials and manufacturing processes
P22	Computer Vision for uncompromising assessment of the quality and accuracy properties of space industry products across its wide range of applications. (A. Zuravlovs / Apply LLC, LV)

<b>P23</b>	Bio-based cryogenic insulation for aerospace application (M. Kirpluks / Latvian State Institute Of Wood Chemistry, LV)
<b>P24</b>	DUSTFLOW – Particulate Contamination Flow Simulator (A. Jaworski / CIM-mes Projekt, PL)
<b>P25</b>	How to apply formal methods in space? A pragmatic approach to complex validation via model checking (G. Kulcsár / IncQuery Labs, HU)
<b>P26</b>	Wax Fuel Embedded Structure (WAFER) for Hybrid Rocket Motor (C. Boros / BOROSPACE s.r.o., SK)

<b>Satellite to ground communications</b>	
<b>P27</b>	Multi-beam digital antenna for SatNOGS ground station (B. Eged / Sagax Communications, HU)
<b>P28</b>	Air supported Radome for broadband communications (Z. Judez / Duol d.o.o., SI)
<b>P29</b>	Feasibility studies of telecommunication services, in areas without or with insufficient coverage, enabled by High Altitude Pseudo Satellite (HAPS Telecom) (J. Yanov / Varna Net Ltd, BG)
<b>P30</b>	International Cooperation in Earth Observation Missions Through the Installation of a Ground Receiving Station in Cyprus (K. Themistocleous / Eratotheres, CY)
<b>P31</b>	Large-scale Heterogeneous Ultra-dense LEO Satellite-based Networks (Y. Guo / IRIDA Research Centre For Communication Technologies, CY)
<b>P32</b>	ProtoSat - AI software development platform for small satellites (F. Novoselnik / Protostar Labs d.o.o., HR)

<b>Smallsat missions and hardware</b>	
<b>P33</b>	Compact Multipixel Ionizing Radiation Detectors for Small Satellite Missions (S. Ivanov / Space Fluent Ltd, BG)
<b>P34</b>	C3S CubeSat platform IOD results and features (D. Milankovich / C3S Electronics Development Llc., HU)
<b>P35</b>	Deterministic Wireless Bus for Intra-Spacecraft Communications (O. Ratiu / Control Data Systems, RO)
<b>P36</b>	Vision Based Navigation (VBN) for autonomous satellite navigation in space (A. Zinys Blackswan Space, LT)
<b>P37</b>	RendezVous Sensor Processing Unit (RVSPU) for the ClearSpace-1 mission - towards powerful data processing enabling space debris removal. (T. Kocman / Syderal Polska, PL)
<b>P38</b>	Coarse Sun Sensor OROL (P. Laszlo / NEEDRONIX s. r. o., SK)
<b>P39</b>	OrbFix - a CubeSat GNSS Receiver with Precise Positioning and Neural Networks for Orbit Prediction (S. Mihai / Romanian InSpace Engineering SRL, RO)

<b>Life Sciences, ISRU and Life Support in Space</b>	
<b>P40</b>	Targeted personal delivery of encapsulated nutrients in hydrogels for the purpose of long-term space missions (I. Osojnik Črnivec / Biotechnical Faculty, University of Ljubljana, SI)
<b>P41</b>	Antimicrobial photoinactivation approach based on natural agents for the control of resilient microbial life forms in spacecraft (A. Gricajeva / Life Sciences Center, Vilnius University, LV)
<b>P42</b>	Portable Telemedicine and Human Spaceflight Countermeasures (C. Vizitiu / Institute of Space Science, RO)

<b>Planetary exploration and rovers</b>	
<b>P43</b>	MAsS Spectrometer for Analysis of Liquid sAmPles (MASALA) (J. Simcic / J. Stefan Institute, SI)

<b>Optics, lasers and their applications</b>	
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<b>P44</b>	Narrow-linewidth and fast sweep InP/Si <sub>3</sub> N <sub>4</sub> hybrid integrated laser based on PZT actuators for FMCW LiDAR applications (C. Avraam / University Of Cyprus, CY)
<b>P45</b>	Optical background radiation measurements in Hungary to support quantum communication (E. Gerhatne-Uvary / Budapest University of Technology and Economics, HU)
<b>P46</b>	System of Optoelectronic Oscillators for Local Oscillator Transfer in Event Horizon Imager Constellations (D. Kastritis / University Of Cyprus, CY)
<b>P47</b>	A High-Q Multi-Phase-Shifted Bragg Grating Based OEO-like Structure for mm-wave Local Oscillator Satellite Payloads (I. Stratakis / University Of Cyprus, CY)
<b>P48</b>	Adjustment of a Novel Capacitive Multiturn Absolute Rotary Encoder for Space Application – Beam Pointing System (CAPMARE2) (C. Strayinski / CTRL s.r.o., SK)
<b>P49</b>	Methods and instruments for optical remote sensing and metrology applications (S. Milev / CASTRA group, BG)
<b>P50</b>	ORCaD – a control and diagnostic module for remote operation and management of optical ground stations (M. Vitorovic / Cosylab, SI)
<b>P51</b>	Multi-channel picosecond precise Time-tagging system with amplitude measurement for Satellite Laser Ranging with multiple pulse emission sources (P. Razmajs / Eventech, LV)
<b>P52</b>	A High-Q Multi-Phase-Shifted Bragg Grating Based OEO-like Structure for mm-wave Local Oscillator Satellite Payloads (I. Stratakis, CY)
<b>P53</b>	Graphene/silicon Schottky contact based plasmonic infrared sensors (S. Meškini / Kaunas University Of Technology, LT)