DAY 1						
Welcome / Introduction ESA Harmonisation overview (Highbay, 09:00 - 09:30h)						
Time	Downstream Applications: land use and management - Part 1 (High Bay, 09:30 - 12:30h)	Materials and Manufacturing processes (Auditorium, 09:30 - 12:30h)	Satellite to ground communications (Multimedia Library, 09:30 - 12:30h)			
	SentiRice: Sentinel data-based support tool for sustainability certification of rice fields (D. Jakovels / Institute for Environmental Solutions, LV)	Fused Deposition Modelling of Ceramic Component (L. Baca / Slovak University Of Technology / Faculty of Chemical and Food Technology, SK)	End-to-end hardware encryption and PKI for CCSDS/SDLS satellite communication (S. Alberico / Skudo Oü, EE)			
	Intellibee – Finding ideal bee forage areas using EO and IoT data (D. Matie / List Labs, HR)	Interhaminar reinforcement of fiber reinforced polymer composites with electrospun nanofabrics (A. Evangolou / AmaDema, CY)	Extensible Runtime Framework for Procedure Languages in the Context of the European Ground Systems - Common Core (L. Atnasov / SkimProt OOD, BG)			
	Dynland™ technology for classification of satellite and supplementary data (I. Mednieks / Institute Of Electronics And Computer Science, LV)	Improvement of Mechanical and Wear Resistance Properties by Hybrid Additive Manufacturing of Ti6AHV Alloy and Ti6AHV-TiC Metal Matrix Composite (S. Malej (Balmar d.o.o., SI)	Towards Deep Space Ground Segment in Latvia (M. Donerblics / VIRAC/VIRATEC/IrbGS, LV)			
	Direct Observation & Monitoring of Instability via Satellite Radar Interferometry ("DOMISI") (S. Perdikou / Geofem Ltd, CY)	Potential solid lubricant for extreme temperatures based on vanadium boride (to be combined with Staton, new idle) (7. Roch / Comenius University in Bratislava, FMPI, SK)	Radio architectures for advanced communication applications (B. Eged / Sagax Communications, HU)			
		Coffee break (10:50 - 11:00h)				
	KappaOne and KappaMask – improving the usability of Sentinel-1 and -2 data	A novel technological approach in satellite communication to provide software middleware solution for information confidentiality and security in multitenant environments. (M. Kosulda / Decent Cybersecurity s.r.o., SK)	See and be seen - GNC solutions in the VNIR and TIR spectra / Towards greener coatings for space metallic and thermal hardware (B. Somosvari / Admatis Ltd., HU)			
	NaturaSat - software for exploring Natura 2000 habitats by satellite data (K. Mikula / Algoritmy-SK s.r.o., SK)	Data exchange and management platform for space (DEMPS) – System for optimal data transfer in nanosatellites constellations using Data Distribution Service technology (A. Ungulatis, Eliss Pro, LT)	DUSTFLOW – Particulate Contamination Flow Simulator (A. Jaworski / CIM-mes Projekt, PL)			
	Sentinel Hub and Sinergise - going from a completely unknown to a renown player in the EO field, with a little help from our friends at ESA (G. Milcinski / Sinergise, SI)	Establishing of Ground Segment industry in Latvia based on large aperture antennas (A. Klokovs / VIRATEC Ltd. / Ventspils International Radio Astronomy Centre, LV)	Concept of Space Junkyard managed by intelligent satellite swarms and its potential role in fostering sustainability and cyclic economy in space / In-space Capacitor Discharge Welding - An opportunity for In-Orbit Assembly (M. Gebura / Space Scavengers, SK)			
	CAPCON - the first operational CAP subsidies control service based on Copernicus SAR data / Copernicus C-Band and Airbus X-Band SAR data integration for smart farming services (G. Vainkus, GEOMATRIX UAB, LT)	High Isolation X-band and S-band Diplexers in economical Technologies for Space Applications (R. Stefanski / WiRan Sp. Z O. O., PL)	In-space Capacitor Discharge Welding - An Opportunity for In-Orbit Assembly (N. Beronska / Institute of Materials and Machine Mechanics of SAS, SK)			
12:20		Compact and affordable optical telecommunication solutions for micro satellites (S. Briatore / Golbriak, EE)	A novel technological approach in satellitic communication to provide software middleware solution for information confidentiality and security in multitenant environments. (M. Michalko / Decent Cybersecurity s.r.o., SK)			
12:40		ProtoSat - AI software development platform for small satellites (F. Novoselnik / Protostar Labs d.o.o., HR)	ESA outlook and needs (ESA)			
13:00		ESA outlook and needs (ESA)				
	Lunch (12:30 - 14:00h)					

Time	Downstream Applications: land use and management - Part 2 (High Bay, 14:00 - 17:00h)	Structures and Thermal (Auditorium, 14:00 - 17:00h)				
14:00	Satellite technology and cultural heritage - networking across disciplines (C. Galdies / University of Malta, MT)	Building competence of Polish sector in the manufacture of Space structures - case study (B. Plonka / SCNTPL - Silesian Science And Technology Centre Of Aviation Industry Ltd, PL)				
14:20	New member state company success story: GPU-accelerated EO data processing in CGI Estonia (M. Jüssi / CGI Estonia, EE)	Protect and serve – Technology developments in satellite thermal control (J. Szoke / Admatis, HU)	Training courses (starting at 14h)			
	ESA satellite imagery applications in forestry, agriculture, utilities and municipalities (I. Barga / Baltic Satellite Service, LV)	Latvian contribution to the development of novel two-phase thermal & propulsion space technologies (D. Mishkinis / Allatherm Sia, LV)	CDF training course will take place in the CDF facility of ESA / ESTEC			
	Coffee break (15:00	- participants will be accompanied there				
15:30		COMOTI contribution to the development of mechanisms for the European space industry (-> focus on pump) (R. Mihalache / Comoti - Romanian Research And Development Institue For Gas Turbines, RO)	TRL calculator course will take place in the Multimedia Room			
15:50		Adaptation of 0.5W Miniature Stirling Cryocooler for Space (A. Osterman / LE-TEHNIKA, SI)				
16:10		ESA outlook and needs (ESA)				
	Social event including transfer to location					

DAY 2					
Time	Downstream Applications: water & coastal monitoring (High Bay, 09:00 - 12:00h)	Smallsat missions and hardware (Auditorium, 09:00 - 12:00h)	Planetary exploration and rovers (Multimedia Room, 09:00 - 12:00h)		
09:00	Intelligent e-Infrastructure for Sustainable Management and Exploitation of Rivers and Dams based on Earth Observation and AI (L. Damova (Mozaika, BG)	GaN-FET-based highly efficient scalable converter for LEO / High-Rel mission needs (L. Bago / C3S LLC., HU)	Illuriniation module for various spacecrafts (satellites to rovers) to enable cameras to monitor processes in low to no natural light conditions (P. Halapuu (Crystalspace, EE)		
09:20	WeSea - Autonomous Coastal Monitoring System (D. Matiic / List Labs, HR)	HyperSat – modular, scalable, universal, small satellite platform (M. Bieda / Creotech Instruments, PL)	Flapping wing concept optimization for Mars exploration (Z. Terze / Faculty of Mechanical Engineering and Naval Architecture, HR)		
09:40	Advancing aquatic remote sensing in Estonia through ESA membership (M. Ligi / University of Tartu, EE)	Shared Satellite Platform Development (ShareSat) – a paradigm shift in sustainable and accessible space (V. Dimov / Endurosat, BG)	Capacitive Absolute Sensor for Space Applications - CAPSE (C. Stratyinski / CTRL s.r.o., SK)		
10:00	An emerging demand and solutions for Earth Observation-based water quality assessment and monitoring in Lithuania (D. Vaicitut / Marine Research Institute, Klaipeda University, LT)	RD ALFA Microelectronics (L. Lapkis, RD Alpha Electronics, LV)	Leveraging Unreal Engine 5 framework for custom Lunar Lander and rover mission simulations (H. Teras / Tartu University Tartu Observatory, EE)		
		Coffee break (10:30 - 11:00h)			
11:00	Sentinel-Based detection and identification of negative human influence on the Mediterranean coastal zone (I. Tomljenovic / Oikon Ltd - Institute of Applied Ecology, HR)	KP Labs – AI computers and software to bring autonomy into demanding space missions (J. Nalepa / KP Labs, PL)	Lightweight prospecting rover platform (M. Hazadi / Puli Space Technologies Ltd, HU)		
11:20	Earth Observation initiatives for the Black Sea region (S. Constantin / Terrasigna, RO)	In-house RF simulations accelerate pico-satellite development (M. Scepanskis / Cenos, LV)	Design and development of a proof of concept strategic mission planning tool for future Lunar rover missions (Q. Islam / Tartu Observatory, University Of Tartu, EE)		
11:40	Sentinel-1 based complex case studies for safety and sustainability (G. Grenerczy / Geo-Stentinel Research, Service and Consulting Ltd, HU)	Light-Pollution Characterization Module (J. Tutavac / University of Zagreb Faculty of Electrical Engineering and Computing, HR)	New capabilities for on-orbit satellite servicing and ISRU (W. Borowicz / Piap Space, PL)		
12:00		NANOsky satelite avionics (D. Gačnik / Skylabs, SI)	GMV eyes and brain – developing capabilities for future planetary exploration missions (C. Chitu, GMV Innovating Solutions S.R.L., RO)		
12:20		ROmanian in Space Engineering (C. Cherciu, RISE / RO)	ESA outlook and needs (ESA)		
12:40		ESA outlook and needs (ESA)			

		(ESA)				
Lunch (12:30 - 14:00h)						
Time	Optics, lasers and their applications (High Bay, 14:00 - 17:00h)	Life Sciences, ISRU and Life Support in Space (Auditorium, 14:00 - 17:00h)	Space weather monitoring and analysis (Multimedia Room, 14:00 - 17:00h)			
14:00		Steps towards efficient and unobtrusive monitoring of the state of astronauts and optimizing performance in space (A. Ioannides / AAI Scientific Cultural Services Ltd, CY)	ROSIE: Radio Observations of Solar Indexes in Europe (A. Tomczyk / ITTI, PL)			
14:20	Scalable ultra-short-pulse actively mode locked laser source for optical communication and ranging (SCALA) (V. Tomkus / Astrolight UAB, LT)	3D printing of personalized food supplements and pharmaceutical forms in space - a review of the 3DMedLowG project (R. Capuder / Zavod 404 / Institute 404, SI)	Monitoring and prediction of disturbances in the interface between Space and Earth's atmosphere (S. Mackovjac / Institute of Experimental Physics, Skovak Academy of Sciences, SK)			
14:40	Development of Bismide-based Intersubband Lasers for Methane Leak Sensing at High Operation Temperatures (J. Devenson / Centre For Physical Sciences And Technology, LT)	Programmable Modular Detectors for Ionizing Radiation Measurements (S. Ivanov / Space Fluent Ltd, BG)	Potential Enhancements in Ionospheric Monitoring under SSA / Enhancing Space Awareness in Cyprus through Space Weather Studies (H. Haralambous/ Frederick University, CY)			
15:00		Content Analysis of Diaries of Antarctic Winteroverers in Concordia and Halley VI Stations / Cognitive performance and brain activity in real and simulated microgravity (B. Elmann, L. Balaza / Research Centre for Natural Sciences, HU)				
		Coffee break (15:30 - 15:45h)				
15:30		Microbial degradation of cellulose containing wastes – a key process in life support system at Earth and long term space missions (H. Najdesnki / The Stephan Angeloff Institute Of Microbiology, Bulgarian Academy Of Sciences, BG)				
	ESPRESSO II: Essential preparation steps for qualification longevity of Space Optics (G. Bataviciule / Lidaris,	Optimization of the natural photosensitizer-based antimicrobial photoinactivation technology for terrestrial and space applications (I. Buchovec / Vilnius University, LT)				
16:10	Software-enhanced non-mechanical 3D camera development and feasibility study for space applications (A. Olesk / Lightcode Photonics, EE)	Planetary Habitat Simulation: ESA ground-base research facility in Slovenia (I. Mekjavic / Jozef-Stefan-Institute, SI)				
	(ESA)	Recovery of edible cells from liquid loop, current R&D projects and capabilities (R. Krampl / Biox Technologies, SK)				
16:50		ESA outlook and needs (ESA)				