







WEDNESDAY	Time	Duration	Room	Chair	What's happening	Name	Institution	Working title
	08:00	01:00	Lobby					
	08:00	01:00	LODDY		Registration and coffee	Use Broke		
						Lisa Burke Franz Fayot	Luxembourg Ministry of Economy	
						Bill Nelson	NASA	
						Josef Aschbacher	ESA	
OPENING SESSION	09:00	01:25	Main	Lisa Burke	Welcome and introduction	Bernhard Hufenbach	ESA	
						Kathryn Hadler	ESRIC	
		I		l		Gerald Sanders	NASA	
						Kyeong Ja Kim	Korea Institute of Geoscience and Mineral Resources	
						Matthias Maurer	European Astronaut Centre	
Coffee break	10:25	00:45	Lobby		UK Space Agency partnership			
						Giorgio Magistrati	ESA	
					Individual presentations	Charles Hibbitts	Johns Hopkins University	NASA STMD LSII ISRU Focus Group Update and Path Forward
					marriadi presentations	Dale Boucher		Engaging Terrestrial Mining sector via Spin in and spin out
						Clive Neal	University of Notre Dame	International Lunar Resource Evaluation Campaign - Update and Next Steps
ACCELERATING COOPERATION IN THE FIELD OF SPACE				Lisa Burke		Dennis Harries	ESRIC	
RESOURCES						Angel Abbud Madrid	Colorado School of Mines	
						Usui Tomohiro	JAXA	
						Stanley Starr	Imperial College London	
					Research Overviews	Philipp Reiss	Technical University of Munich	
			'			David Karl	Technical University of Berlin	
						Paul Zabel	German Aerospace Center	
						Bertrand Baratte	EURO2MOON	Leverage lunar resources exploration to foster international collaboration and benefit sustainability in Space and Earth
Lunch	13:10	01:00	Lobby		DoraHacks partnership			
					Space mining roundtable			
			Main			Advenit Makaya	ESA	Space based solar power: a space resource for the benefit of Earth and a potential enabler for an in-space resource market
						Julian Schroth & Christian Walter	ESA	Lunar Economy on how opportunities in space can improve business and life on earth (MOONLIGHT project)
EARTH-SPACE SYNERGIES	14:10	01:55				Pascal Barbier	AirLiquide	Development of novel structured adsorbent to increase trapping efficiency for H2O and CO2
						Nancy C. Wolfson	University of Minnesota	Space Resources Synergies for Sustainability and New Space Markets
						Arthur Woods	Astrostrom	The Greater Earth Lunar Power Station
						Ben Bussey	Intuitive Machines	Intuitive machines: commercially enabling international lunar scientific exploration
						Claudio Rossi	University Politechnica de Madrid	ROBOMINERS: from deep underground to deep space
Community Q&A				Kathryn Hadler	Roundtable discussion			
Group photo	16:05	00:10	Outside					
Coffee break	16:15	00:30	Lobby		EURO2MOON partnership			
		45 01:15	Main	Franziska Zaunig and Aidan Cowley	Introduction and context			
	16:45				Individual presentations	Hendrik Kolvenbach	ETH Zurich	
ESA-ESRIC CHALLENGE						Tristan Schnell	FZI	
						Grzegorz Gawdzik	PIAP	
						Miguel Olivares Mendez	SnT Luxembourg	
						Matt Cross	Mission Control	
					Roundtable discussion			
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			1					
Poster networking	18:00	01:30:00			Conclusions and next call for ideas			









	THURSDAY	Time	Duration	Room	Chair	What's happening	Name	Institution	Working title
		08:30	00:30	Lobby		Registration and coffee			
			Ţ				Matt Cross	Mission Control	Enabling autonomous surface prospecting and mining with lunar rovers
						Su Meng	Origin Space	The Progress of Asteroid Mining Plans at Origin Space	
						Ben Jackson	Blue Origin, Honeybee Robotics, Colorado School of Mines	Mars Water Ice Prospecting mission	
							Lanré Logan	ESA	The Status of the ESA Elements within the ESA-NASA Mars Sample Return Campaign and the Space Resource Significance
1	IISSIONS AND MISSIONS PLANNING	09:00	01:45		Abigail Calzada Diaz	Individual presentations	Clairet I. Guerra	Colorado School of Mines	Advancing the knowledge of martian hydrated minerals from their current state to a proven reserve: scientific mission concept
							Jim Hondros	Deimos Space Resources	Shifting the paradigm in off-Earth resource development
							David Binns		ISRU Demonstration mission
							Jorge Alves	ESA	Pilot plant CDF
	Coffee break	10:45	00:30	Lobby		University of Luxembourg partnership	-		
							Luke Griffiths		
							Alex Jerves	Norwegian Geotechnical Inst.	Using digital twins to bring geotechnical testing to the lunar surface
							Kyle Acierno	OffWorld	Offworld's celestial and terrestrial swarm robotic and ISRU System
	TECHNOLOGY SHOWCASE 1.1	11:15	00:40			Individual presentations			
	TECHNOLOGY SHOWCASE III	11.15	00.40			individual presentations	Aliz Zemeny	ESA / ECSAT	Lunar Highland simulant selection of the Luna Analogue Facility Dust Chamber for future missions
							Piotr Kulinowski	University of Krakow	The Rod Scraper Conveyor - efficient lunar regolith transportation device
							Hannah Sargeant	University of Central Florida & University of Leicester	Icy Simulants for Testing PSR Technologies
				Main			Susana del Carmen Fernandez	University of Oviedo	Exploring mining resources of the Moon regalith: lithium
	Community Q&A	11:55	00:15		Advenit Makaya	Roundtable discussion			
							Igor Drozdovskiy	ESA / EAC	Identifying minerals with the PANGAEA mineralogical database and multi spectral ML classification
							Yu Yue	Imperial Collage London	Theory for particle motion in electrostatic traveling wave fields
TECHNOLOGY SHOWCASE 1.2	12:10	00:35		[Individual presentations	René Prissang	Free University Berlin	Operative Deposit Modelling ,AI a useful tool for future space mining ventures	
							Rodolfo Marin	University of Leicester	Metal extraction from meteorite proxies of metal-rich asteroids in a deep eutectic solvent
							Cristina Luna	GMV	Using AI to enable human and robotic planetary resources utilisation
	Community Q&A	12:45			Advenit Makaya	Roundtable discussion			
	Lunch	13:00	01:00	Lobby		Polimak partnership			
							Connor Geiman	OrbiFab	Building the lunar storable propellant supply chain
	ENABLING INFRASTRUCTURE 1.1	14:00	00:25			Individual presentations	David Rodriguez	Ecole Polytechnique Federale de Lausanne	Design of a lunar reconnaissance drone for exploration and high-resolution mapping of extreme, hardly accessible locations
							Roberto Torre	ESA	Low binder content bricks: a regulith-based solution for sustainable surface construction on the Moon ESA
	Community Q&A	14:25	00:10		Beth Lomax	Roundtable discussion			
				Main			Daniel Inocente	Blue Origin	Enabling permanent lunar architecture
							Robert Lindner	ESTEC / ESA	Facilities at ESTEC
	ENABLING INFRASTRUCTURE 1.2	14:35	00:55			Individual presentations	Juergen Schlutz	ESA / DLR	Preparing for Lunar Exploration: The ESA-DLR LUNA Analogue Facility in Cologne
							Jonathan Slavik Douglas Morrison	Astrobotic Centre for Excellence in Mining	Low energy use construction for the moon and mars
	Community Q&A	15:30	00:10			Roundtable discussion	Douglas Morrison	Innovation - Canada	Lunar Surface Station Architecture
	Coffee break	15:40	00:10	Lobby		Robominers partnership			
						Introduction to Commercialization	Lari Cujko		
	COMMERCIALIZATION 1.1						Mateusz Józefowicz	European Space Foundation	MIRORES far-IR spectrometer consortium service packages for Earth and space mining industries
		16:10					Allice Miller	Helios	Paving the way to space with a green steel road
			00:50				Joost van Oorschot	MaanaaElectric	
						Individual presentations	Dennis Williams	Lunar Station	Lunar Station builds ground-up Lunar Intelligence (LUNINT) Platform; MoonHacker ⁱⁿ
							Bill Chang	Heliax	Asteroid to Interplanetary Spaceship Concept
							Stela Tkatchova	European Commission,	Funding in-space solar energy harvesting solutions for innovative space applications
	Community Q&A	16:50	00:20	Main	Lari Cujko	Roundtable discussion		European Innovation Council	
						Introduction to ESRIC's Start-up Support Programme	Lari Cujko		
						Programme	Sam Ximenes	Astroport	
						Individual presentations			
	COMMERCIALIZATION 1.2	17:10	01:20				Marek Wilgucki	Four Point Lightigo Space	
						Focus on SSP2 - presentations		Lunar Outpost Orbital Assembly	
						. ocus un sarz - presentations		Terra Luna Resources	
						Individual presentation		Aurora Connect ESA	BSGN accelerator









FRIDAY	Time	Duration	Room	Chair	What's happening	Name	Institution	Working title
	08:30	00:30	Lobby		Registration and coffee			
Welcome and introduction to the day	09:00	00:05	Main		Introduction to the day	Lisa Burke		
						Victoria Levy	Open University	Updates on the development of a CubeSat compatible system to supplement lunar prospecting missions
EVEN ACTING AND HOME COACE DESCRIPTION	00.05	00:50			Individual presentations	Jeff Plate	WGM Canada	Lunar Geological Depositional Modelling Insights for Prospecting and Exploration of Water and Volatile Resources
EXTRACTING AND USING SPACE RESOURCES 1.1	09:05	00:50				Mayuko Shinohara	Chiyoda Corporation	Lunar water analysis module with direct measurement
						Veneranda Lopez Dias	LIST	Heading towards a sustainable water management on Earth, the Moon and beyond: theoretical and experimental O-H water ice isotope fractionation during sublimation under lunar polar harsh environment.
Community Q&A	09:55	00:10		Maher Kalaji	Roundtable discussion			
						Alberto Maulu	ESRIC	Multi-Attribute Decision Making (MADM) method for the evaluation of ISRU-enabling technology
EXTRACTING AND USING SPACE RESOURCES 1.1	10:05	00:40				Stefan Linke	TU Berlin and Laserzentrum Hannover	Recent Advances of the MOONRISE FM payload for demonstration of Regolith laser melting on the lunar surface
EXTRACTING AND USING SPACE RESOURCES 1.1	10.03	30.40				Beth Lomax	ESA	Sintering regolith pellets for FFC molten salt processing
						John Vrublevskis	Thales Alenia Space	Challenges for technology demonstration of In-Situ Resource Utilisation breadboards for the Metalysis FFC process for electrochemical reduction of lunar regolith into a metallic powder and oxygen in a molten salt bath
Community Q&A	10:55	00:10		Maher Kalaji	Roundtable discussion			
Coffee break	10:55	00:30	Lobby					
						Pia Swatkowski	Blue Horizon	3D printing from renewable resources for future deep space missions
EXTRACTING AND USING SPACE RESOURCES 1.2	11:25	00:40			Individual presentations	Arturo Pajares	Flemish Institute for Technological Research	Can we use Martian regolith as catalyst for the CO2 conversion?
						Kim Minkwan	University of Southampton	Development of an All-in-One in-situ resource utilisation system for future Mars exploration missions
						Kyla Edison	Colorado School of Mines	Lunar regolith casting for construction materials manufacturing
Community Q&A	12:05	00:10		Abigail Calzada Diaz	Roundtable discussion			
						James Cole	Open University	Water Extraction from Icy Lunar Simulants using Low Power Microwave Heating
EXTRACTING AND USING SPACE RESOURCES 1.2	12:15	00:20				Dorian Leger and Fardin Ghaffari	Spaceship EAC, ESA & Connectomix	Modelling the energy requirements for oxygen production on the Moon
EXTRACTING AND USING SPACE RESOURCES 1.2	12.15	00.20				Farzaneh Gholami	Gradel	Robotic additive manufacturing implementation into in-space manufacturing process
			Main			Michele Hollist	OxEon Energy	Scale-up and coupling of the MOXIE solid oxide electrolyzer for mission scale lunar and martian applications
Community Q&A	12:35	00:10		Abigail Calzada Diaz	Roundtable discussion			
						Giuseppe Reibaldi	Moon Village Association	Global Expert Group on Sustainable Lunar Activities - Recommended Framework
REGULATORY SESSION	12:45	00:45		Dovile Matuleviciute	Individual presentations	Masashi Sato	ispace inc.	Space Resources legislation in Japan - lessons learnt and opportunities for the future
						Andrzej Misztal & Steven Freeland	Working Group on Space resource Activities	COPUOS
TERRESTRIAL PILOT PLANT	13:30	00:45		Brigitte Lamaze				
CONCLUSION AND NEXT STEPS	14:15	00:10				James Carpenter	ESA	
(posters awards)	13.13	30.10				Kathryn Hadler	ESRIC	
Bubbles and bites	14:20	01:30	Lobby		ispace partnership			









TITLE	
Earth-Space Cross-pollination: Exploring potential synergies between the terrestrial raw materials value chain and the development of space resources	Aaron Sediles Martinez
In-Situ Lunar and Asteroid Propellants for Hall Thrusters	Adam Parks
Trade-off study for critical lunar infrastructure - landing pads	Alexandra Adiaconitei
Investigation of vibrational conveyor parameters to transport lunar regolith	Alessandro Giovanni Scudeler
A Comprehensive Lunar Industrial Ecosystem	Alex Ellery
New Technological Approach for Improving the Thermionic Energy Conversion Efficiency for Space-Power Applications and Deep Space Exploration	Alexander Lukin
The Moon Factory	Alexandra Radi
Electrowinning of metals from lunar regolith by using new types of ionic liquids	Andreas Dietz
Compression of Deep Neural Networks for Space Autonomous Systems	Carl Shneider
Exergy analysis of a propellant-generating architecture on the moon	Casper Vissers
In-situ and post operando investigations of additively manufactured pure lunar regolith simulants parts	Caterina lantaffi
Lunar Cargo	Charis Kosmas
Review of Water Capturing Devices for Lunar ISRU	Christoph Kalis
Enabling Infrastructure Ecosystem for Space Resources	Erik Kulu
Holistic system modeling: A path towards the design of scalable ISRU architectures	Francisco J. Guerrero-Gonzalez
Welcome to #TheMoon	Frank Koch
Resource mapping of the Moon's south pole	Freja Thoresen
Lunasonde: Cartographers of the Space Age	Haleigh Kling
Geo-spatial information requirements for the use of lunar resources in ground human settlements development	Ivan Sanchez Alva
Application of laser technology for scanning lunar soil simulants	Jacek Katzer

TITLE	AUTHOR
Virtual lunar regolith simulant for testing designs in reduced gravity	Joe Louca .
Mapping Hazards to Infrastructure from Lunar Regolith Ejecta	Joshua Menges
Investigation of Regolith-Metal-Composite Materials	Julian Baasch
Lunar development and test facility	Koorosh Araghi
Deploying Lunar In-Situ Resource Utilisation Plants with Explicit Consideration of Uncertainty	Kosuke Ikeya
Optimization of lunar regolith beneficiation for the production of an Ilmenite-rich feedstock	Kunal Kulkarni
Design investigation of Lunar water extraction	Luca Kiewiet
Study of the atomic hydrogen generation by a high energetic plasma source to assist a direct reduction of lunar regolith raw materials for H2O production	Marko Sikiric
Expanding close-spaced sublimation thin film photovoltaics to space applications	Mykhailo Koltsov
Defining the architecture of the lunar ISRU Pilot Plant using MBSE	Nadia Pougnet
On-board eXplainable Al models for in situ Lunar and Martian images	Olivier Parisot
Reducing weight, speed, and torque in drillstring applications	Patrick Harkness
Analysis of the Behaviour of Lunar Dust in aqueous Solutions	Rieke Freer
Additive Manufacturing using Molten Lunar Regolith - System Progress and First Tests	Simon Stapperfend
Value chain for Pyrite based solar panel production and application	Taavi Raadik
Logistical Infrastructure for an ISRU-based Sunshade Concept to Support Climate Action	Tharshan Maheswaran
Advances in metal extraction from highland regolith using molten salt electrolysis	Timon Schild
Mission Space's system for space weather now- and forecasting	Vasily Petrov
Selection of Lunar Water Simulant and interrelated Lunar Water Purification System	Victoria Pesch
Space Situational Awareness Leveraging Thermal Infrared Imagery	Vincent Gaudilliere
Electrocatalyst for Reversible Hydrogen Fuel Cells	Vishnu Pullangatil