IGLUNA 2021 Project teams

Research field	Project	Title	Project description	University
Life Support	P01	GrowBotHub	*Structure to produce fresh vegetables everyday in a closed loop and autonomous way*	EPFL, Switzerland
	P02	LOOPS-M	*Lunar greenhouse using a bio regenerative waste recovery system and an automated cultivation system*	La Sapienza University of Rome, Italy
	P03	LUIEE	*Extraction of water ice by a rover where the water will be then processed to obtain oxygen and hydrogen through electrolysis*	TU Berlin, Germany
	P04	SAMPLE 2	*Life-supporting system of closed modules that enable plants to grow autonomously in an extreme environment*	Warsaw University of Technology, Poland
Conception & Structure	P05	AIX2SPACE	*Automated spinning unit producing mineral fibres from processable raw materials such as regolith and working under microgravity conditions*	RWTH Aachen, Germany
	P06	Inflatable Habitat	*Inflatable and flexible dome structure with a stable support structure, adapted to human activities and able to face extreme conditions*	Brandenburg University of Technology, Germany
Navigation & Communication	P07	CoRoDro	*Autonomous navigation of a rover and a drone to map and move together in an unknown environment*	ISAE-SUPAERO, France
	P08	LIGHT2	*Gadget based on augmented reality technology for the navigation and assistance of astronauts on lunar exploration missions*	Aristotle University of Thessaloniki, Greece
	P09	Lunar Zebro	*Swarm of small, robust and intelligent rovers able to drive on the rough surface of the Moon thanks to its C-shape legs*	Delft University of Technology, Netherlands
	P10	MISTLab	*Infrastructure for a swarm of autonomous, self-organized and small robots controlled by a single audio-visual interface*	Polytechnique Montreal, Canada
	P11	REBELS	*Development of a rover for sintering and enabling the 3D printing of solid geometric structures for a lunar base*	TU München, Germany
Power Management	P12	PowerHab	*Complete power supply for a lunar habitat with energy generation, storage, control and distribution systems*	Strathclyde University, United Kingdom