GeoPlaNet Strategic Partnership

Co-funded by the Erasmus+ Programme of the European Union

University of Nantes, University of Coimbra, University of Porto
University of Chieti-Pescara, University of Padua, VR2Planets

GeoPlaNet

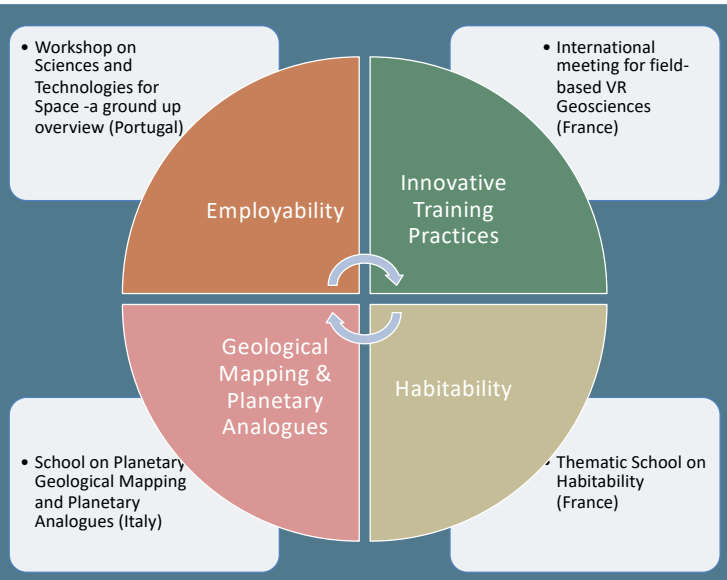
About GeoPlaNet - SP

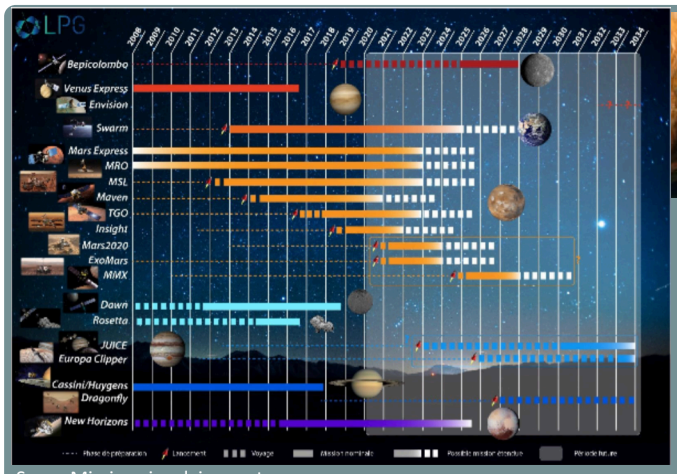
The huge progress of space exploration during the last 30 years has allowed the development of Planetary Geosciences, characterized by an increasing involvement at the international level of specialists of the Earth (geologists, geophysicists, geochemists) but also physicists, engineers, mathematicians. All work together in understanding evolutionary processes of other planets. Planetary Geosciences is an interdisciplinary approach combining expertise in observation, experimentation and modelling.

The beginning of the 21st century has been marked by the development of ambitious space exploration programs by new actors and new missions. In this competitive context, the GPN-SP project addresses the needs of structuring and internationalizing the European Higher Education Area (EHEA) training in Planetary Geosciences, strengthening excellence, increasing cooperation with industry and proposing a complementarity of fields. Indeed, many Masters in Astrophysics and Astronomy, in Planetary Geology and in Planetary and Earth Sciences exist in EHEA, but there is currently almost no offer in education which federates all these fields and proposes a combined expertise in research in planetary geosciences.

The GPN-SP brings together a group of five universities (Coimbra, Porto, Nantes, Chieti-Pescara and Padua) that, funded by the EU, propose a program of activities to promote the discussion around these themes and prepare a new related Erasmus Mundus master program.

Planned Activities





Space Missions involving partners

Virtual Reality Tools

Planetary surfaces and interiors

Schedule of Activities

Coimbra, Porto, Nantes, Chieti-Pescara, Padua

GeoPlaNet - SP							2020						2021												2022												2023											
Tasks details	UC	UPt	VR2	UN	UdA	UPd	Jl	A	S	O	N	D	J	F	M	A	M	J	Jl	A	S	O	N	D	J	F	M	A	M	J	Jl	A	S	O	N	D	J	F	M	A	M	J	Jl	A	S	O	N	D
Project preparation	1	1	1	1	1	1																																										
Project implementation	1	1	1	1	1	1																																										
Mid- term / final Report	1	1	1	1	1	1																																										
Transnational Partners Meetings	1	1	1	1	1	1																																										
WP 1 - Employability																																																
IO: Survey on the employability in the international planetology sector	1	1		1	1	1																																										
IO: Open educational resource on career prospects for students of astro	1	1		1	1	1																																										
C: Sciences and Technologies for Space – a ground up overview	1	1		1	1	1																																										
WP 2 - Habitability																																																
IO Habitability Teaching Material and Assessments	1	1		1	1	1																																										
C - Thematic School on habitability	1	1	1	1	1	1																																										
ME: Conference: "A la recherche de la vie dans l'Univers"			1	1																																												
WP 3 - Innovative training practices																																																
C: International meeting for field-based VR geosciences	1	1	1	1	1	1																																										
IO: Video of the use case of virtual reality for geosciences training			1			1																																										
ME: VR 2 Utopiales			1	1																																												
IO:Survey on Teaching & Assessment Methodo in PG & Astro Courses	1	1	1	1	1	1																																										
WP 4 - Geological Mapping & Planetary Analogues																																																
C: School on Planetary Geological Mapping and Planetary Analogues	1	1		1	1	1																																										
IO: Digital Terrain Model generation	1			1	1	1																																										
IO: Geological Map				1	1	1																																										
IO: Geological 3D Model			1	1	1	1																																										
IO: Field Trip Guide				1	1	1																																										
IO: Field Data Collection			1		1	1																																										
IO: Preparation of Teaching Material for Planetary Geological Mapping	1		1	1	1	1																																										
ME : Mars and Earth: a different fate					1	1																																										

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