

SANTORINI SUMMER SCHOOL

03-14 October 2022 - Santorini, Greece

Timetable

Date	Activities	Location	Format
Monday 3 October	Arrival and travel day 19:00 - Welcome and presentation of students, teachers and contents of the BridgET Summer School (Alessandra Savini & Paraskevi Nomikou)	Hotel	
Tuesday 4 October	08:30 - Leaving the hotel 09:00 - Introduction to Santorini Geology (P. Nomikou) 10:00 Introduction to Marine & Coastal Geohazards (P. Nomikou)	Educational center	Classroom session
	11:00 - Bridging the gap between onshore and offshore topography for geomorphological mapping: methods and applications (A. Savini)		Classroom session
	12:00 - Introduction to Virtual Reality and Geohazards in coastal environments: BridgET project objectives (F. Bonali, A. Savini)		Classroom session
	13:00 - Lunch time (packed lunch/backery) 14:00 - Digital models of topographic elevation in a GIS environment (L. Fallati, V. Antoniou) 17:00 - How academics and the public experienced immersive virtual reality for geo-	Educational center	Laboratory session Seminar
	education (F. Bonali) 18:30 - Presentation on Summer School onfiled activities		



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09:30 - Athinos port: boat tour of intra caldera volcanics and caldera walls (Tour is ~6 hrs) - snorkeling and collection of rock and sediment samples Nea Kameni – Hike up central volcanic island. Palea Kameni – View basalt flows. 13:00 - Visit to Thirassia and packed lunch 17:00 - Visit to a traditional winery 19:00 - Recap and briefing about next day's activity 08:30 - Leaving the hotel 09:00 - On-land geophysical survey: theory and methods (H. Havenith) 10: 00 - UAV surveys: Theory and applications (Orthodrone) 11:00 - Geosciences in higher education - what is required of tomorrow's geoscientists (I. Martens) 12:00 - Launching a Start-Up Right Out of a Master degree: the experience of Orthodrone (J. Klusak, C. Drummer) 13:00 - Lunch time (packed lunch/backery) 14:00 - Geological field trip and acquisition of Drone and geophysical data 19:00 - Recap and briefing about next day's activity 08:30 - Leaving the hotel 09:00 - Geophysical data processing (tutor: H. Havenith) Educational center Laboratory center Laboratory cession 14:00 - Geophysical data processing (tutor: H. Havenith) 15:00 - Geophysical data processing (tutor: H. Havenith) 16:00 - Geophysical data	1	08:30 - Leaving the hotel		
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Thursday 6 October 08:30 - Leaving the hotel 09:00 - On-land geophysical survey: theory and methods (H. Havenith) 10: 00 - UAV surveys: Theory and applications (Orthodrone) 11:00 - Geosciences in higher education - what is required of tomorrow's geoscientists (I. Martens) 12:00 - Launching a Start-Up Right Out of a Master degree: the experience of Orthodrone (J. Klusak, C. Drummer) 13:00 - Lunch time (packed lunch/backery) 14:00 - Geological field trip and acquisition of Drone and geophysical data 19:00 - Recap and briefing about next day's activity Friday 7 October 08:30 - Leaving the hotel 09:00 - Geophysical data processing (tutor: H. Educational center session		17:00 - Visit to a traditional winery	Winery	
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	14:00 - AUV data processing (J. Klusak, C. Drummer) 18:00 - Modelling underwater topography & submarine geomorphological mapping (A. Savini, P. Nomikou) 19:00 - Recap and briefing about nest day's activity		Laboratory session Classroom session
Saturday 8 October	08:30 - Leaving the hotel 09:00 - Geological field trip and multibeam (MBES) survey 13:00 - Lunch time 14:00 - Multibeam echosounder: managing raw	TBD Educational	Fieldwork session Classroom
	data and products (A. Micallef) 15:00 - Digital Terrain analysis in GIS environment (A. Micallef) 16:00 - MBES/backscattering data processing and data loading in GIS (tutors: A. G. Varzi, A. Micallef) 19:00 - Recap and briefing about nest day's activity	center	Session Classroom session Laboratory session
Sunday 9 October	08:30 - Leaving the hotel 09:00 - Geological field trip and ROV survey 13:00 - Lunch time 14:00 - Visual imaging system in underwater environments: underwater cameras and ROVs (L. Fallati) 15:00 - ROV data processing and underwater photogrammetry (tutors: L. Fallati, A. G. Varzi) 15:00 - Management Committee Meeting	TBD Educational center	Fieldwork session Classroom session Laboratory session
	19:00 - Recap and briefing about nest day's activity		



Monday 10 October	08:30 - Leaving the hotel	Educational	Classroom
	09:00 - Seismic reflection surveys and applications in the science of Marine Geohazards (S. Krastel)	center	session
	10:00 - Hot vents/Cold seeps & Marine Geohazards (P. Nomikou)		Classroom session
	11:00 - Mud volcanoes in marine and terrestrial environments as potential geoazards (G. Panieri)		Classroom session
	12:00 - Climate change & the Anthropocene (G. Panieri)		Classroom session
	13:00 - Lunch time		
	14:00 - Seismic data processing (Tutor S. Krastel, F. Gross) & observation at the microspore (tutor: G. Panieri) (parallel sessions)		Laboratory session
	18:00 - Ocean Senses: developing learning tools to experince the ocean using all our senses (G. Panieri)		Seminar
	19:00 - Recap and briefing about nest day's activity		
Tuesday 11 October	08:30 - Leaving the hotel		
11 October	09:00 - Management of geohazards (D. Reitano, S. Falsaperla)	Educational center	Classroom session
	10:00 - Scientific Visualization & Virtual Reality (F. Vitello)		Seminar
	12:00 - Teaching Geosciences: How the future of education will look like in the metaverse? (all teachers)		Classroom session
	13:00 - Lunch time		
	14:00 - Akrotiri excavations	Akrotiri	Fieldwork session
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	16:00 - Geological field trip	Caldera beach	Fieldwork session
	19:00 - Recap and briefing about nest day's activity		
Wednesday 12 October	08:30 - Leaving the hotel		
	09:00 - Visit Pyrgos Village-Old castle-Caldera view	Pyrgos	Fieldwork session
	12:00 - GIS data integration: selection of dataset for student's work	Educational center	Laboratory session
	13:00 - Lunch time		
	14:00 - GIS data integration (implementation of student's project) and VR questionnaires and testing		Laboratory session
	17:00 - "The leadership" documentary		Seminar
	19:00 - Recap & Briefing about next day's activities		
Thursday 13 October	08:30 - Leaving the hotel		
70 00.000	09:00 - Student's project implementation and drawing up of a presentation (students)	Educational center	Laboratory session
	13:00 - Lunch time		
	14:00 - Presentation of students' work (students)		
	16:00 - Field trip at Oia		Fieldwork session
Friday 14 October	Departure from Santorini		