

ESA/GTTP 2023 - The Unlimited Universe
(The program is subject to minor changes without previous notice)

CEST Madrid time	Day 1 11 September	Day 2 12 September	Day 3 13 September	Day 4 14 September	Day 5 15 September	Day 6 16 September
TOPICS	ESA	MOONS	LOOKING FOR LIFE	THE UNIVERSE	CITIZEN SCIENCE	
9:30-9:45	Arrival at ESAC					
9:45 - 10:00		Warmup	Warmup	Warmup	Warmup	
10:00-10:30	Welcome to the course, Presentations (Team)	Talk:Our Moon (Eva Villaver)	Talk: The GAIA Release 3 (Pedro García Lario)	Talk:The scales of the Universe (Sandra Benítez)	Panel on "The importance of Citizen science?" Coordinated by Sandra Benitez with experts from ESA Education/ESERO, NUCLIO	Visit to the ESA's tracking station in Cebreros
10:30-11:00	On site Teachers Introduction					
11:00-11:30	Talk: Introduction to ESA (Carole G. Mundell)	Talk: Icy moons and the JUICE mission (Nico Altobelli)	Projects with robotic telescopes: FTP, NSO and PETeR (Nayra Rodríguez and Fraser Lewis)	Talk:The EUCLID mission (Matteo Miluzio)	Talk: The CESAR Project and resources (Sandra Benítez)	
11:30-12:00						
12:00-12:15	Coffee break	Coffee break	Coffee break	Coffee break	Coffee break	
12:15-13:15	Teaching in the XXI Century (Rosa Doran)	Hands-on: Icy Moons for primary and secondary school (Beatriz González and Carlota Prieto)	Hands-on: Measuring Supernovae from ESA's Gaia Mission (Fraser Lewis)	Talk:Virtual Observatory and citizen size with VO (Enrique Solano)	The NUCLIO Project and resources (Rosa Doran)	
13:15-14:30	Lunch	Lunch	Lunch	Lunch	Lunch	
14:30-14:45	Warmup	Warmup	Warmup	Warmup	Warmup	
14:45-15:45	Talk: ESA Scientific Missions (Gaitee Hussain)	Hands-on: Introduction to Salsa J (Rosa Doran)	Online Teachers Presentations	Talk: ESASky and Citizen Science (Deborah Barnes and Marco López-Caniego)	Student research projects with PETeR (Nayra Rodríguez)	
15:45-16:15	Hack na Exoplanet (Catia Cardoso, ESA Education)	Hands-on: Get to know Solar System moons with Salsa J (Rosa Doran)	Talk: Looking for life in the Universe I (Victor Parro)	Hands-on with ESASKy (Beatriz González)	Hands-on: Light pollution and citizen science (Gustavo Rojas)	
16:15-16:30	Coffee break			Dark matter in your classroom (Jorge Rivero)		
16:30-16:45	Getting to know an ESA astronaut (Sara García)	Coffee break	Talk: Looking for life in the Universe II (Juan Angel Vaquerizo)	Hands-on: Discover Supernovae with PETeR (Nayra Rodríguez)	Evaluation and final remarks	
16:45-17:00		On site Teachers Presentations				
17:00-17:30		On site Teachers Presentations				
17:30-18:00	Online Teachers Introduction		Onsite attendees: Visit to the laboratories of the Astrobiology Center (CSIC-INTA-Torrejón)	ESAC Tour		
18:00-19:30						
19:30-20:30				Dinner		
20:30-21:30				Relaxing Time		
21:30-24:00				Observing the night in collaboration with the ESAC Astronomy Club		