

ESA IP-CCI

Wednesday, 28 June 2023

Workshop 4 - Water Propulsion: Welcome and Introduction of topic - Newton 2 (11:00 - 11:30)

Workshop 4 - Water Propulsion: Presentations by industry - Newton 2 (11:30 - 12:45)

time	[id] title	presenter
11:30	[137] Water Electrolysis Propulsion at TUM	DENGLER, Sascha Mr HEIZMANN, Sören
11:45	[138] Water-based chemical, electrothermal and electric propulsion developments at URA Thrusters	Mr GARBAYO, Alberto
12:00	[139] Toward a more efficient in-space production of hydrogen and oxygen via via electrolysis	Prof. VETRANO, Maria Rosaria
12:15	[140] COMET Resistojet Water Propulsion	RABADAN-SANTANA, Eddder
12:30	[141] Water Propulsion – The Ultimate Green Technology	HARMANSA, Nicholas GOTZIG, Ulrich

Workshop 4 - Water Propulsion: Tour de table and preview on afternoon workshop brainstorming session - Newton 2 (12:45 - 13:00)

Workshop 4 - Water Propulsion: Recap and brainstorming on technology needs and current TRL for each major technology (part 1) - Newton 2 (14:00 - 14:30)

Workshop 4 - Water Propulsion: Presentations by industry - Newton 2 (14:30 - 16:00)

time	[id] title	presenter
14:30	[142] Water-Electrolysis-Propulsion on-board the small satellite ROMEO launching 2025	VIKAS, Alexandros HILDEBRANDT, Jérôme
14:45	[143] Water propulsion activities at Airbus Defence and Space UK	HUNT, Joseph
15:00	[144] Water propulsion research at Imperial College London	KNOLL, Aaron
15:15	[145] Water propulsion research at Politecnico di Milano	Prof. MAGGI, Filippo
15:30	[146] Water propulsion: electric thrusters and electrolysis	DAUTRICHE, Jeremie
15:45	[196] Presentation by Empresarios Agrupados	ARANDA ROSALES, MARIA

Workshop 4 - Water Propulsion: Discussion of roadmap, gathering of key players in and outside of Europe, brain storming on technology needs and current TRL for each major technology (continued) - Newton 2 (16:15 - 16:45)

Workshop 4 - Water Propulsion: Presentation of status of draft white paper content regarding water propulsion - Newton 2 (16:45 - 17:00)

Workshop 4 - Water Propulsion: Conclusions on white paper development based on workshop discussions - Newton 2 (17:00 - 17:30)