

ESA Hydrology Science Cluster collocation meeting

25-27 November 2024 | ESA-ESRIN (Magellan Room), Frascati (Rome), Italy

Date	25/11/2024	26/11/2024	27/11/2024
9:00 - 9:30	Breakfast & networking	Breakfast & networking	Breakfast & networking
9:30 - 10:00	Welcome & opening of the meeting by ESA and EC (10+10+10 min)	Session 3: Science drivers for the hydrology cluster scientific agenda Key Scientific Issues in Water Cycle Science Jan Polcher (GEWEX) 23 unanswered questions in hydrology Mark Bierkens (Utrecht University) Discussion	4DHydro Workshop Opening and welcome Luis Samaniego (UFZ) Introduction to Science Cases Niko Wanders (UU)
10:00 - 10:20	Keynote speech: ESA science strategy and future missions for hydrology. Mark Drinkwater (ESA) (30 + 10 min)		Science Case 1 (15 min + 5 min) Stefan Kollet (FZJ)
10:20 - 10:40			Science Case 2 (15 min + 5 min) Oldrich Rakovec (UFZ-CZU)
10:40 - 11:00	Keynote speech: Next Generation Gravity Mission & MAGIC. Ilias Daras (ESA) (15 + 5 min)		Science Case 3 (15 min + 5 min) Niko Wanders (UU)
11:00 - 11:30	Coffee break & networking	Coffee break & networking	Coffee break & networking
11:30 - 11:45	Session 1: ESA and EC Hydrology Science projects - Lightning talks 3 min presentation by each project Wrap-up discussion on challenges encountered	Session 4: EO and HR modelling - 4DHYDRO Introduction to 4DHYDRO project Luis Samaniego (UFZ)	Science Case 4 (15 min + 5 min) Felix Frances (UPV)
11:45 - 11:55		Summary of Round Robin results	Science Case 5 (15 min + 5 min) Riccardo Rigon (UT)
11:55 - 12:15			General Discussion & Closing Luis Samaniego (UFZ)
12:15 - 12:30		Benchmarking and Data-assimilation experiment: Objectives & description Oldrich Rakovec (UFZ-CZU)	
12:30 - 13:00		Benchmarking results & discussion Ehsan Modiri (UFZ)	
13:00 - 13:40			
13:40 - 15:00	LUNCH	LUNCH	End of the meeting
15:00 - 15:40	Session 2: Estimation of hydrological variables from EO, the way forward. Introduction & Objectives + presentations 1&2 Filipe Aires (ESTELLUS)	Session 5: Discussion: How to achieve common goals through collaboration?	
15:40 - 16:00		Coffee break & networking	
16:00 - 16:10	Coffee break & networking		
16:10 - 16:30		Session 6: Open Data Science Catalogue and Earth CODE (ESA) + demonstration Anca Angheloa (ESA), Ewelina Dobrowolska (Serco c/o ESA)	
16:10 - 17:10	Session 2: Discussion		
17:10 - 17:30		Open discussion	
19:00		Dinner in Frascati (self-funded)	