Virtual workshop on requirements for a fast and scalable evaluation workflow - Preliminary agenda

May 18 (14:00-18:00) and May 19 (09:00-18:00) CEST (Central European Summer Time)

Location: Virtual

The *"IS-ENES3 Virtual workshop on requirements for a fast and scalable evaluation workflow"* is a web meeting organized in the context of the EU H2020 IS-ENES3 project in close collaboration with the ESMValTool development team.

The workshop aims to bring together leading researchers and software engineers in the field of evaluation frameworks for Earth System Models to discuss users' requirements, current solutions and to identify gaps and challenges about the next evaluation workflows. In this workshop, current and future requirements (such as input data size, memory footprint, reproducibility and computation time, among others) will be gathered, producing a complete set of specifications. This will include feedback from the users obtained from the survey performed by Assimila.

First afternoon (May 18th)	Hardware and infrastructure requirements Chair: Pierre-Antoine Bretonnière	
13:45-14:00	Zoom opened for test	
14:00-14:15	Welcome and general overview from IPCC and other projects	Pierre-Antoine Bretonnière/Kim Serradell, Francisco Doblas-Reyes (BSC)
14:15-14:30	Results of the Assimila survey	Zofia Stott (Assimila)

14:30-15:00	Analysing CMIP in small groups	Belen Rodríguez de Fonseca (UCM)
15:00-15:30	JASMIN: Infrastructure to support a diverse range of scientific use cases	Ag Stephens (STFC)
	Group picture	
15:30-15:45	Break	
15:45-16:30	Parallel breakout groups	
	BoG1: data storage and distribution	Chair: Pierre-Antoine Bretonnière
	BoG2: Data processing machines	Chair: Kim Serradell
16:30-17:15	Results breakout group and discussion	
17:15-17:30	Virtual tour of Marenostrum	

Second day, morning (May 19th)	Software requirements Chair: Kim Serradell	
09:00-09:15	Results of the Assimila survey	Zofia Stott (Assimila)
09:15-09:45	CMIP5 and CMIP6 Mediterranean climate change projections	Josep Cos (BSC)
09:45-10:15	User engagement	Niels Drost (NLeSC)
10:15-10:30	Break	
10:30-11:00	ESMValTool vs multiple languages	Valeriu Predoi (NCAS)
11:00-11:30	Ophidia	Donatello Elia (CMCC)

11:30-13:00	Lunch Break	
Second day, afternoon (May 19th)	**Workflow requirements** **Chair: Javier Vegas-Regidor**	
13:00-13:15	Results of the Assimila survey	Zofia Stott (Assimila)
13:15-13:45	Synda integration in ESMValTool	Bouwe Andela (NLeSC)
13:45-14:15	Online model evaluation	Javier Vegas (BSC)
14:15-15:00	Parallel breakout groups	
	Workflow	Chair: Javier Vegas
	Performance	Chair: Kim Serradell
	Reproducibility and provenance	Chair: Saskia Loosveldt
15:00-15:30	Results breakout groups	
15:30-16:00	Final conclusions and perspectives	

Program committee: Pierre-Antoine Bretonnière, Saskia Loosveldt, Kim Serradell, Javier Vegas