

ES-DOC – documentation for numerical simulations

David Hassel (UREAD-NCAS)
Atef Ben Nasser (CNRS-IPSL)

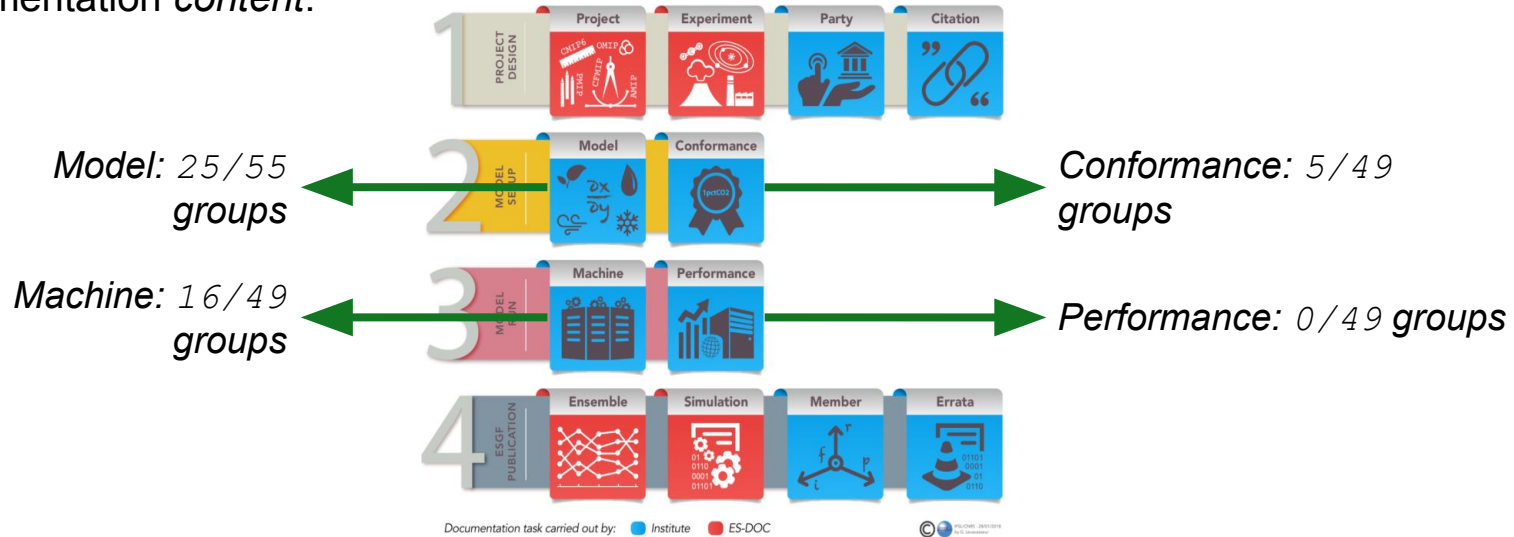
CMIP6

- Infrastructure to document CMIP6 and CORDEX has been provided via IS-ENES3
 - The intended documentation of obs4MIPs and input4MIPs has not taken place
 - Documentation infrastructure:



CMIP6

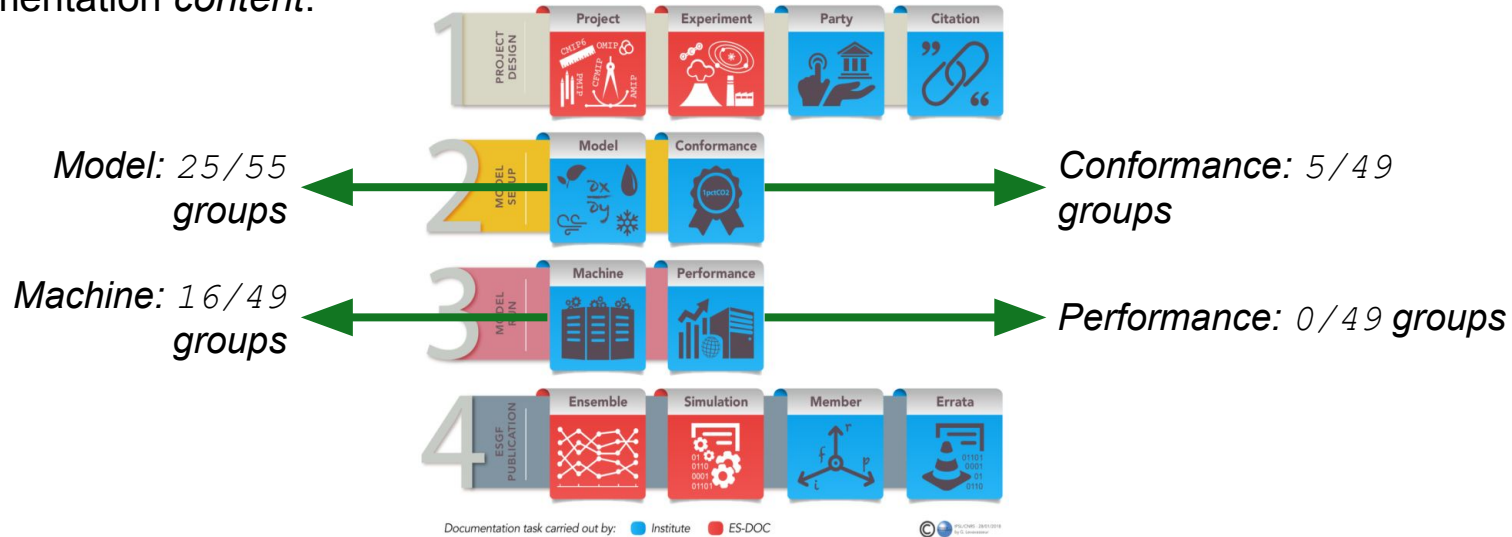
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- It's not over – with considerable help from the CMIP IPO, the modelling groups will continue to be encouraged to fill in the gaps.

Non-CMIP activities


- CMIP documentation needs dedicated support and infrastructure ...
 - On-line collection, on-line viewing, automated publication, `further_info_URL`, etc.
- ... but most other numerical simulation activities do not have such a wide scope, and can more simply utilise the “core” components of the data model (CIM) and Python library implementations.
 - We are encouraging this sort of use for projects in NCAS, and anywhere else.

CMIP7

- Task teams have been created to support the design scope and definition of CMIP7 and the evolution of CMIP infrastructure
 - Benchmarking, Forcings, Ensemble design, Data citation, Data request, Data access, and Documentation
- Opportunity for all stakeholders to influence the CMIP documentation landscape
- Whatever the documentation task team recommends will rely on funding
 - The CMIP5 and CMIP6 documentation exercises were supported by IS-ENES
 - IPSL and NCAS-UREAD have committed resources for maintaining the CMIP5 and CMIP6 for 'a year or two'
 - It isn't yet clear what will be available for CMIP7, but we're working on it!

ES-DOC Errata version 2.0

- Based on the WIP (and user) request
- Works around the bottleneck of ghost datanode managers
- Proposition based errata system instead of a power-user centered system
- Notification system based on email allowing for conversation between users and errata moderators
- Key elements:
 - Deployed in a test environment
 - Alpha tests are underway
 - Beta tests should be open soon after
 - Expected production deployment in June 2023

 **es-doc** Dataset Errata - Search v2.0.0 [Support](#) [PID Search](#) [Propose](#) [Login](#)

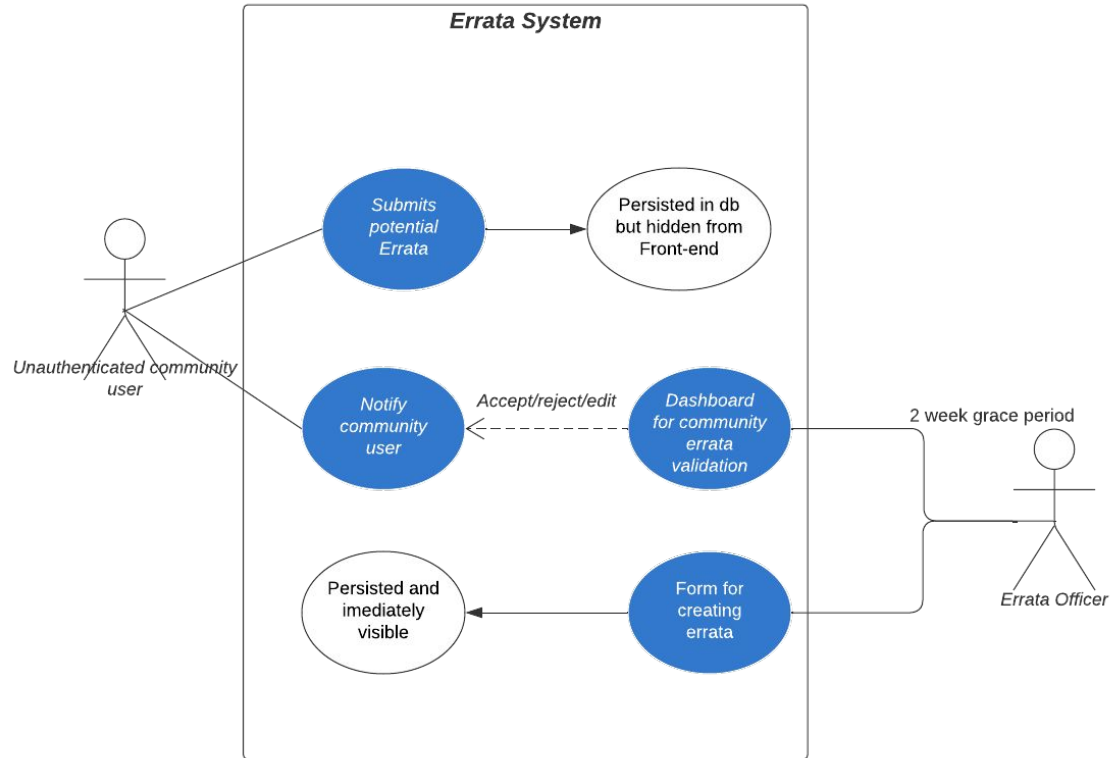
Project: Experiment ID: Institution ID: Source ID: Variable ID: Severity: Status:

Total Issues = 9. Filtered Issues = 6.

#	Institute	Title	Created	Updated	Closed	Severity	Status
1	IPSL	This is an interesting title	2023-01-11	2023-01-11	--	Low	New
2	IPSL	CMIP6.CMIP.IPSL.IPSL-CM6A-LR.1pctCO2.r1i1p1f1.3hr.clt ...	2023-01-11	--	--	Medium	New
3	IPSL	CMIP6.CMIP.IPSL.IPSL-CM6A-LR.1pctCO2.r1i1p1f1.3hr.clt ...	2023-01-11	--	--	High	New
4	IPSL	CMIP6.CMIP.IPSL.IPSL-CM6A-LR.1pctCO2.r1i1p1f1.3hr.clt ...	2023-01-10	--	--	Low	New
5	IPSL	CMIP6.CMIP.IPSL.IPSL-CM6A-LR.1pctCO2.r1i1p1f1.3hr.clt ...	2023-01-03	2023-01-03	--	High	New
6	IPSL	CMIP6.CMIP.IPSL.IPSL-CM6A-LR.1pctCO2.r1i1p1f1.3hr.clt ...	2023-01-03	2023-01-03	--	Low	New

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ES-DOC within IS-ENES and beyond

- Resources from IPSL and NCAS will be available for short term maintenance of existing services
- During IS-ENES 3 efforts were made within ES-DOC to document and automate the deployment of the services of the stack
 - Resilience to the bus effect
 - Democratizes deployment and maintenance of the stack
 - Gives independence to the ES-DOC stack from the hosting platform
 - Future proofs the services with or without funding
- ES-DOC face to face meeting in Paris, November 2022 was the crowning piece for this effort.
 - Dev-ops scripts were tested on from-scratch deployment on empty VMs
 - Step-by-step documentation reviewed by users

THE CONSORTIUM

Coordinated by CNRS-IPSL, the IS-ENES3 project
gathers **22 partners** in **11 countries**



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