

ESCAPE WP4

Provenance Workshop



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ESCAPE European project

- **ESCAPE: European Science Cluster of Astronomy & Particle physics ESFRI** research infrastructures
 - **ESFRI** : European Strategy Forum on Research Infrastructures
- **WP4 CEVO** - leader: Mark Allen, CDS-CNRS
Extend **FAIR** standards, methods, tools of the **Virtual Observatory** to a broader scientific context; demonstrate **EOSC's** ability to include existing platforms.
 - EOSC – European Open Science Cloud
 - VO – Virtual Observatory

Home page: <https://projectescape.eu>

Last Tech Forum: <https://indico.in2p3.fr/event/20005>



FAIR Principles

FINDABLE

Unique identifiers and metadata are used to allow data to be located quickly and efficiently



ACCESSIBLE

Data is open, free and universally available for research discovery efforts



INTER-OPERABLE

A common programming language is used to allow use in a broad range of applications

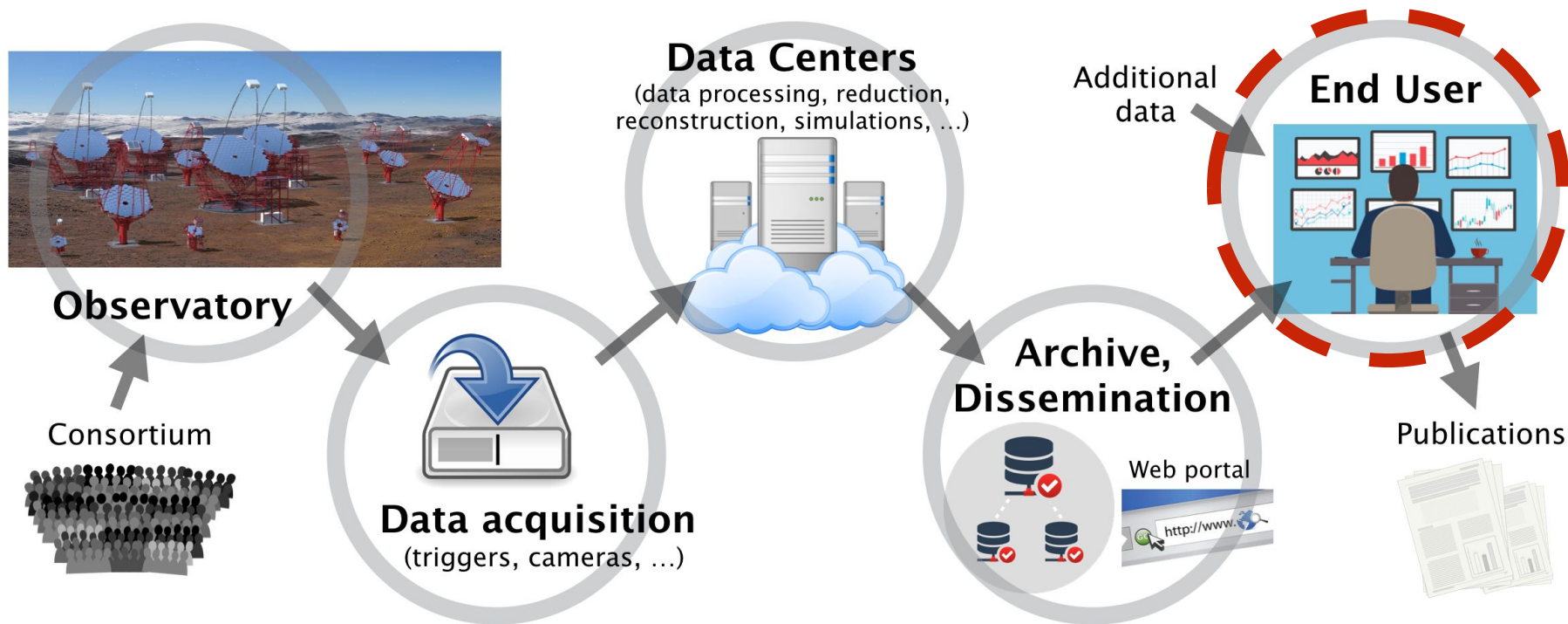


REUSABLE

All data is clearly described and outlines associated data-use standards



Objective of the provenance workshop



Need **structured** and **detailed** provenance information!

Objective of the provenance workshop

- Define and agree on provenance concepts
 - Presentations on the VO and the IVOA ProvenanceDM
 - Presentations of current developments/implementations
- Identify project requirements
 - Your participation!
 - Explain your use case:
 - context
 - need for provenance
- Find common solutions
 - As in Tech Forums : place for discussion, questions
 - Apply current solutions, or identify new ones (or adapt existing ones)

Page of the meeting: <https://indico.in2p3.fr/event/21913/>

Questionnaire answers

- Thanks for many detailed answers
 - Status of the importance of structured provenance in your project
1. Name of the project? (it could be a large project, a subproject, or a simple task)
 2. (Data) products provided by the project?
 3. Is the capture of provenance a **requirement** for your project?
 4. Do you already **provide** provenance information?
Do you use the IVOA Provenance data model ?
 5. Which **goals** should the addition of provenance information serve (if possible by order of priority)?
 6. How do you consider or already do the capture, storage and/or distribution of provenance information?

	More info	Traceability	Quality / Reliability	Contact info	Acknowledgement	Reproducibility	Debug	Other
GAVO	1	4	8	6	3	7	9	(1)
KM3NeT	3	5	4		2	4	3	(1)
HiPS	2	1	3		5	4	6	
EVN Archive	X	X	X			X		
LOFAR/APERTIF	X	X	X			X	X	
LST-CTA	5	1	4			2	3	
GAPS	4	2	3	6	7	1	5	
IRDA	3	2	1	6	7	4	5	
polarimetry	3	2	1	6	7	4	5	
SPoCA		X	X			X	X	
USET	X	X	X	X				
VizieR	1	5	2	3	4			

Workshop rules

Do you agree to:

- Share the answers to the questionnaire?
- Record the meeting?

During the meeting, participants may:

- Raise their virtual hand (button in the participants list)
- Write questions in the zoom comments
- Complete/update the shared notes (indicate your name on the etherpad with top right button)

Shared notes for VO presentations: <https://indico.in2p3.fr/event/21913/attachments/59655/80705/go>

Shared notes for use cases: <https://indico.in2p3.fr/event/21913/attachments/59655/80706/go>