

Funded Project

Astro-CC Pilot

Mark Allen, CDS CNRS Strasbourg Astronomical Observatory

Implemented by















"Astronomy Open Science Competence Centre – pilot project"

- OSCARS project Cascading Grant
- 5 European partners
- 250k€, 2 yrs, April 2025 March 2027
- University of Heidelberg, INAF Obs. Trieste, INTA Spain, Obs. Paris.
- 16 PM
- 5 partners 5 events

Astro-CC and EOSC (European Open Science Cloud)

Connected to Science Cluster: ESCAPE

(European Science Cluster of Astronomy & Particle physics ESFRI research infrastructure. 2019-2023

VO aspects continue as a WG in the ESCAPE Collaboration

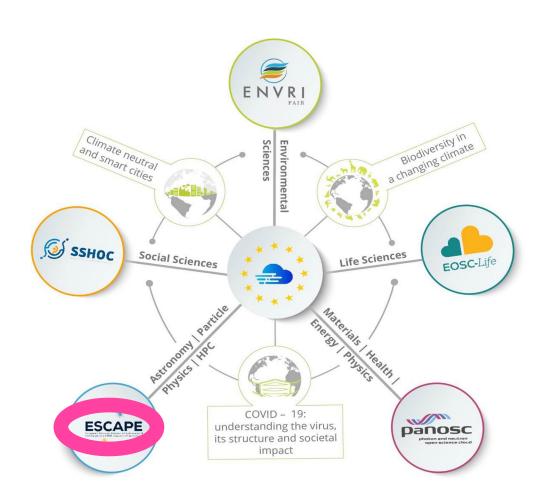
Astro-CC Pilot project

(OSCARS Cascading Grant)

CDS leads 5 European partners in the pilot of an:

Astronomy Open Science Competence Centre

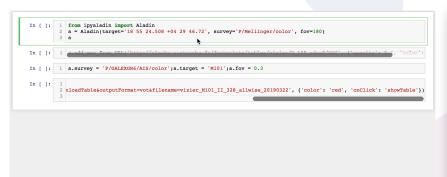
→ Voice in EOSC development of EOSC.

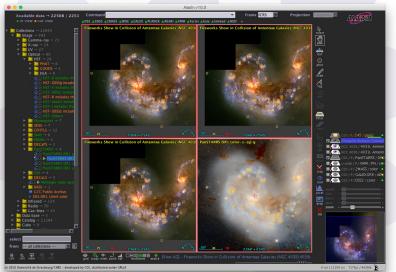


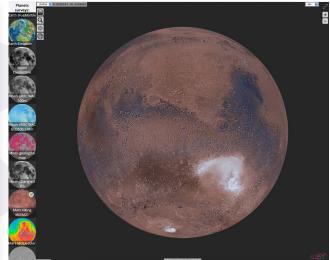


What problem(s) are you going to solve?

- Accelerating Open Science in Astronomy by use of standards.
- Widening the scope beyond the ESCAPE partners to include planetary science and space weather.









What are you planning to do to solve the problem?

- Organising Astronomy Open Science "Competence Centre events"
- The planned events are:
- Data Provider Forum to share experience on implementing interoperability.
- **2 Technology Forums** for the cooperation and development of the underlying data sharing frameworks.
- 2 Scientific Training events Ph.D and ECRs to exploit the system for their scientific research



What will be the results and how do you plan to make them available to the broader community?

- **Data providers** (ESFRI, RIs, projects) gain skills in the implementation of interoperability standards and tools.
- **Developers** of services cooperate on the use of standards and tools.
- **Ph.D & ECR** are supported for use of new innovative services for their own research.
- European results taken to international level at International Virtual Observatory Alliance (IVOA).
- Visibility at European Astronomical Society conferences.



What risks could limit the success of the project, and how can they be mitigated

- If the trainings and schools are not relevant to the ESFRI/Ris and community.
- **Mitigation:** strong engagement with the community to work together on tools / standards / service that address the real needs.
- A first Astro-CC Engagement meeting was held 26 Feb 2025 including 3 ESFRIs (ESO, SKA, CTA), many national projects, and the European Space Agency (ESA).



Who is doing it?

- Project team:
- Manon Marchand (CDS), André Schaaff (CDS), Ada Nebot (CDS), Sébastien Derriere (CDS),
 Marco Molinaro (INAF), Enrique Solano (INTA), Joachim Wambsganns (UHEI), Markus
 Demleitner (UHEI), Margarida Castro Neves (UHEI), Baptist Cecconi (ObsParis), +











Calendar



Month	Astro-CC Pilot Schedule	European meetings	IVOA meetings
Oct-25			
Nov-25			
Dec-25			
Jan-25			
Feb-25	Engagement meeting		
Mar-25			
Apr-25			
May-25			
Jun-25		EAS 23-27 June, Cork	Interop 1-6 June, Maryland
Jul-25			
Aug-25			
Sep-25		EPSC-2025, 8-12 Sept, HelsinkiIPDA annual	meeting (just before or after EPSC)
Oct-25	Technology Forum 1. Trieste, 7-9 October	DASH-IHDEA 2025, 19-24 Oct, USA	
Nov-25		EOSC Symposium 3-5 Nov, Brussels	Interop 14-16 Nov, Goerlitz
Dec-25	Scientific Training event 1. Madrid, 2-4 December		
Jan-26		EOSC-Winter School 2026	
Feb-26			
Mar-26	Data Provider Forum Event. Heidelberg		
Apr-26	Scientific Training event 2. Strasbourg (Apr/May)		
May-26			Interop 8-12 June, Strasbourg
Jun-26		EAS 29 June - 03 July, Lausanne	
Jul-26			
Aug-26			
Sep-26	Tech Forum 2 - Paris (Sept/Oct)	EOSC Sympoisum - TBD	
Oct-26			Interop -Perth?
Nov-26			
Dec-26			
Jan-27			
Feb-27			
Mar-27	Final Report		



Euro-VO projects and other 'networks' timeline

