



Astronomy ESFRI & Research Infrastructure Cluster
ASTERICS - 653477



DADI Status

Françoise Genova & Mark Allen

ASTERICS DADI

- This is the last meeting organised by ASTERICS
WP4 *Data Access, Discovery and Interoperability!*
- Fifth Technology Forum in support to Task 4.3
Updates of the VO framework from feedback and requirements, led jointly by CNRS/CDS and UEDIN
- We close DADI loop here: the first DADI meeting was the First Technology Forum, Strasbourg, 17-18 September 2015
- Technology Forum 4: Edinburgh, 16-17 April 2018

Deliverables since Tech Forum 4

#	Title	Lead partner	Due date	Actual date (and location if relevant)
D4.11	Fourth ASTERICS DADI Technology Forum	UEDIN (Task 4.3)	March 2018	16-17 April 2018 Edinburgh
D4.12	Fourth ASTERICS DADI European School	CNRS/CDS (Task 4.2)	November 2018	20-22 November 2018 Strasbourg
D4.13	Second European Data provider Forum & Training Event	UHEI (Task 4.1)	January 2019	26/27-28/29 June 2019 Heidelberg
D4.11	Fifth ASTERICS DADI Technology Forum	CNRS/CDS (Task 4.3)	March 2019	This meeting

Milestones and other relevant meetings

- The IVOA Interoperability meetings are DADI milestones

M24	IVOA Victoria (Canada)	27 May – 1 June 2018
M20	IVOA College Park (USA)	8-10 November 2018

- Other relevant meetings
 - ADASS XXVIIIth Meeting, College Park, 11-15 Nov. 2018
 - RDA Plenaries, P12 Gaborone, 5-8 November 2019

Specific meetings

- Time Series Data Model Meeting, 17-20 July 2018, Strasbourg
- Provenance Days, 29-30 August 2018, Paris
- Third Cosmology School, Cracow, 10-23 July 2017
- DADI/OBELICS A&A face-to-face meeting, 29-30 January 2019, Trieste

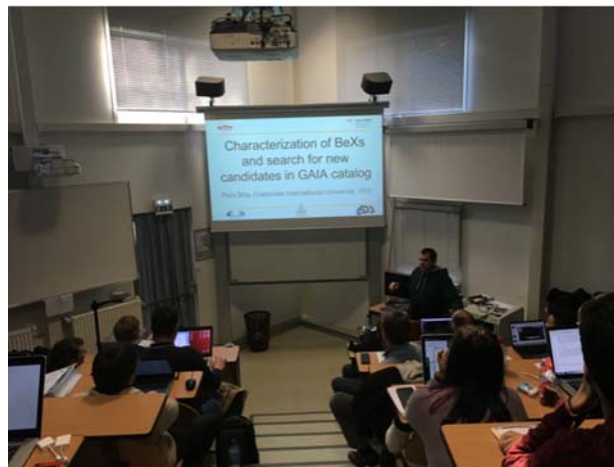
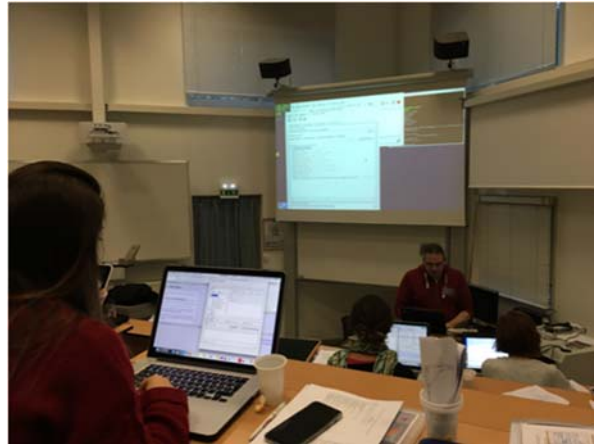
D4.12 Fourth DADI School

- 20-22 November 2018, Strasbourg
- 31 participants, incl. 2 IT engineers and 3 data stewards
- 12 tutors
- Learn enough about the VO to be able to use it in one's own research
 - Short presentation of the ASTERICS and the VO
 - “Hands-on” tutorials & “Treasure Hunt”
 - Participants' own projects
 - Presentation of some of the projects and feedback session
- Significant preparatory work
 - Update of the tutorials (available on Euro-VO site)
 - Discussion with the participants about their scientific interests

D4.12 Tutorials

- The CDS tutorial
- Determination of stellar physics parameters using VOSA
- Accessing and cross-matching of big datasets with ADQL
- Exploring Gaia with TOPCAT and STILTS
- Electromagnetic wave follow-up of gravitational waves (EGO/VIRGO/ELT)
- Advanced usage of HiPS and MOCs
- *Strong interest for programmatic access*





D4.13 Second European Data Provider Forum & Training Event



- 27-28 June 2018, Heidelberg
- Newcomer session 26 June, 'Consulting' 29 June
- 39 participants, data providers of all sizes incl. all DADI partners, ESO
- Participation of EST – ESFRI project since 2016 – now officially partner

D4.13 Main topics

- Progressive adoption of VO standards by data providers – how it simplifies common tasks
- Development of VO standards from requirements
- New solutions to data publishing tasks
- Multi-messenger astronomy, VAMDC
- Data cubes, time domain and provenance



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IVOA

- DADI technological activities (Task 4.3) are performed in the IVOA context
- Significant participation in the meetings and WGs, including leadership of Groups and on standards
- CTA actively participating in the Provenance Data Model definition – Proposed Recommendation
- Being discussed: Time Domain, MOC V1.1, Provenance DM V1.0

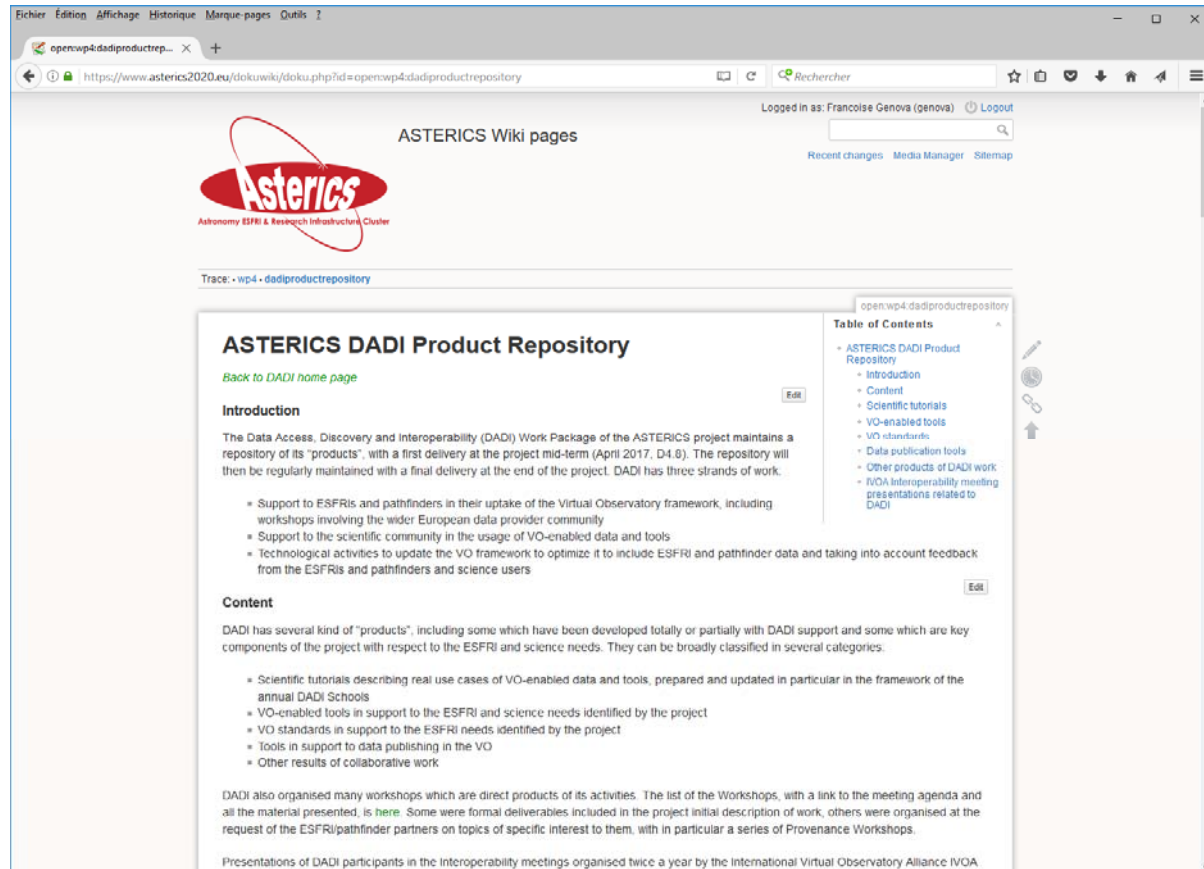
Deliverables until the end of the project (April 2019)

#	Title	Lead partner	Due Date	Actual date (and location if relevant)
D4.15	Repository of WP4 products (final)	CNRS (Task 4.3)	April 2019	

D4.8/15 Repository of DADI « products »

A living document

- Tutorials
- Tools
- VO standards
- Publishing tools
- Interop. talks



The screenshot shows a web browser window displaying the ASTERICS Wiki pages. The page title is "ASTERICS DADI Product Repository". The content includes an introduction, a table of contents, and a list of products. The table of contents lists: Introduction, Content, Scientific tutorials, VO-enabled tools, VO standards, Data publication tools, Other products of DADI work, and IVOA Interoperability meeting presentations related to DADI. The introduction states that the repository maintains a collection of products developed by the project, with a first delivery in April 2017 and a final delivery at the end of the project. The products are categorized into several groups, including scientific tutorials, VO-enabled tools, VO standards, and publishing tools. The page also mentions that DADI has organized many workshops, which are direct products of its activities, and that the list of workshops is available on the project website.



Transitioning to



- Astronomy/astroparticle/particle physics
- Coordinator: Giovanni Lamanna, CNRS/LAPP
- WP4 Connecting ESFRI projects to EOSC through VO framework, led by Mark Allen, CNRS/CDS
 - Integration into EOSC (INAF)
 - FAIR implementation through the VO <> DADI (CDS)
 - Interferometric data
 - Event based data
 - VO Scalability for extremely large datasets
 - EST strongly involved
 - Adding value to archive content (CDS with ESO)