

VO for everyone

- getting ready for the 4th Asterics DADI VO School -



Visit us at the CDS Booth



Katharina Lutz

katharina.lutz@astro.unistra.fr

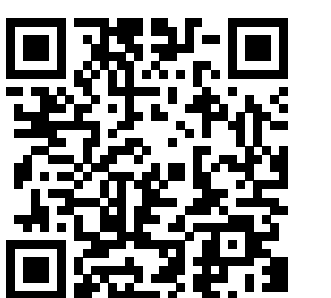
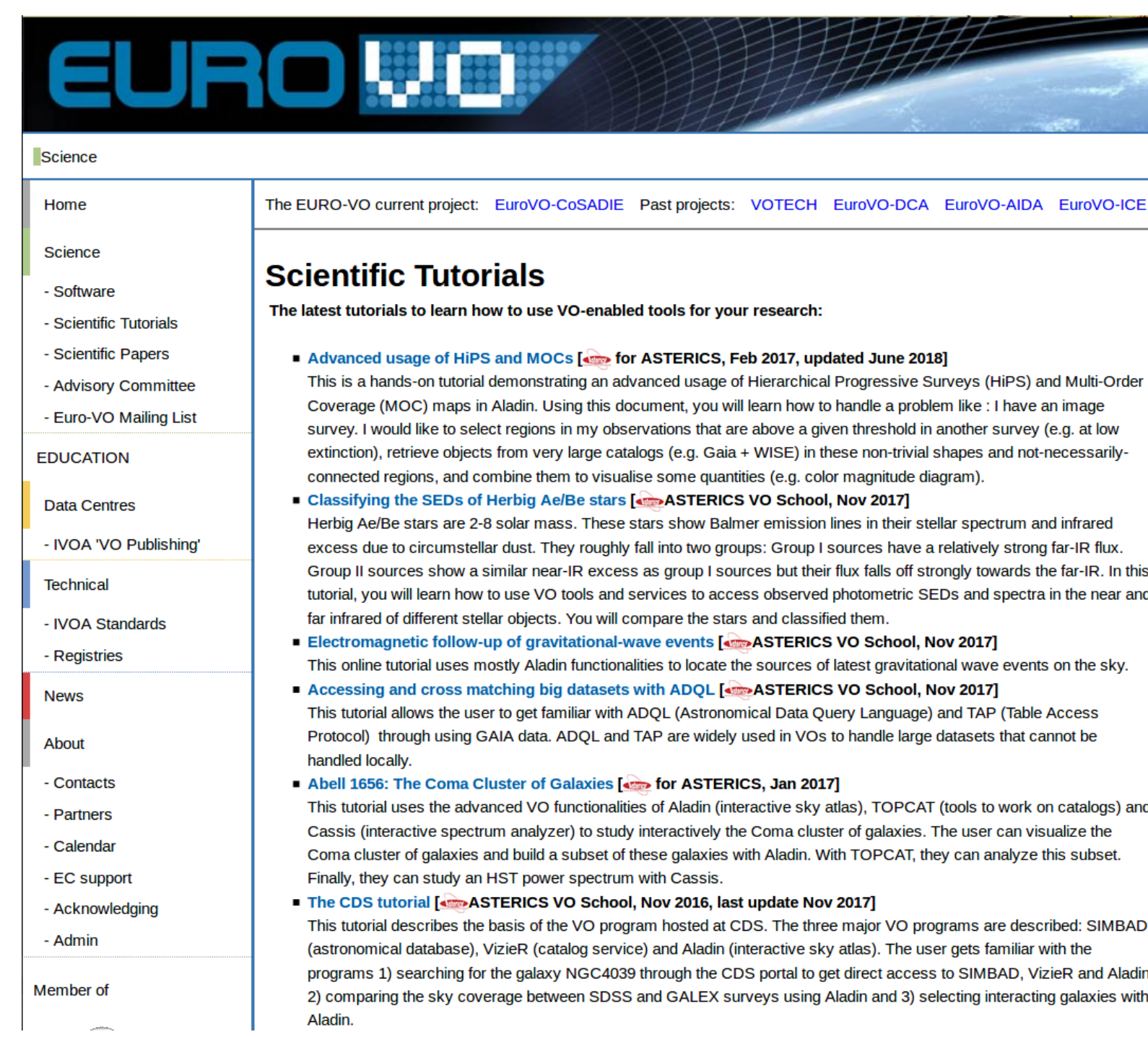
with Mark Allen, Ada Nebot & Sebastien Derriere

Asterics - DADI

- Asterics (Astronomy ESFRI and Research Infrastructure Cluster) aims to bring together researchers, scientists, engineers, hardware and software specialists from astronomy, astrophysics and astro-particle physics to tackle the challenge of transferring, processing and storing of large amounts of data.
- Asterics work package 4 -DADI - focuses on Data Access, Discovery and Interoperability
- Members of the DADI work package organise a yearly Virtual Observatory school for about 35 early career researchers.
- The next Asterics VO-school will take place in Strasbourg from 20 - 22 Nov 2018
- Previous Asterics VO-schools have been organised:
 - 14 - 16 Nov 2017 in Madrid, Spain
 - 15 - 17 Nov 2016 in Strasbourg, France
 - 15 - 17 Dec 2015 in Madrid, Spain

Beyond the school - resources on the web

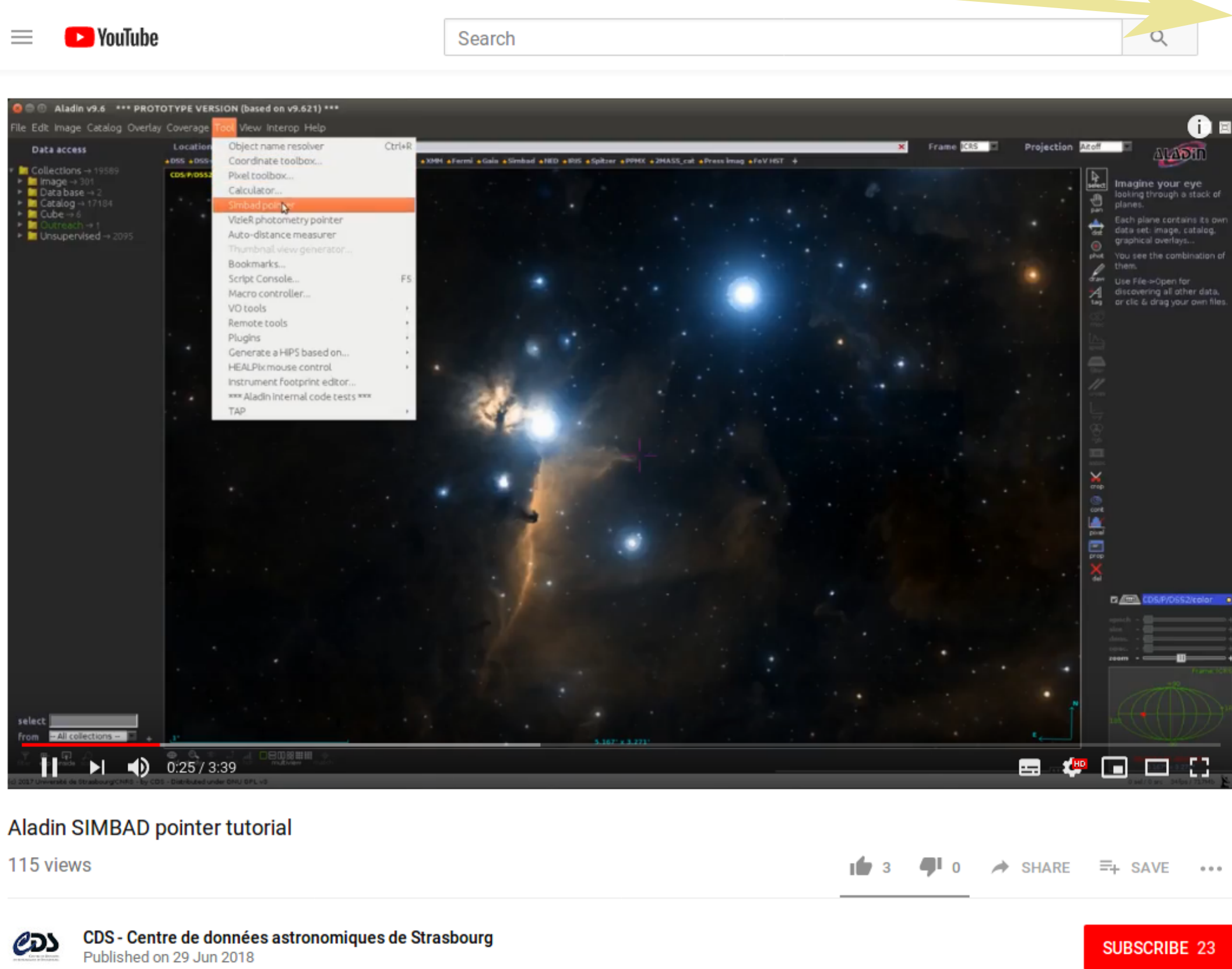
After VO-Schools, tutorials are published on the EURO-VO webpage (scan here to get to the page). The tutorials are being updated to reflect the latest software development.



Many data providers offer their own tutorial repository, among them: GAVO, ESO and many others

Short video tutorials

CDS produces short video tutorials, which are published on youtube. Find the channel here:



Python and the VO

The use of Python for astronomical data analysis is spreading and more and more VO-compliant Python packages are developed. We are therefore working towards publishing tutorials on Python and the VO in Jupyter notebooks.

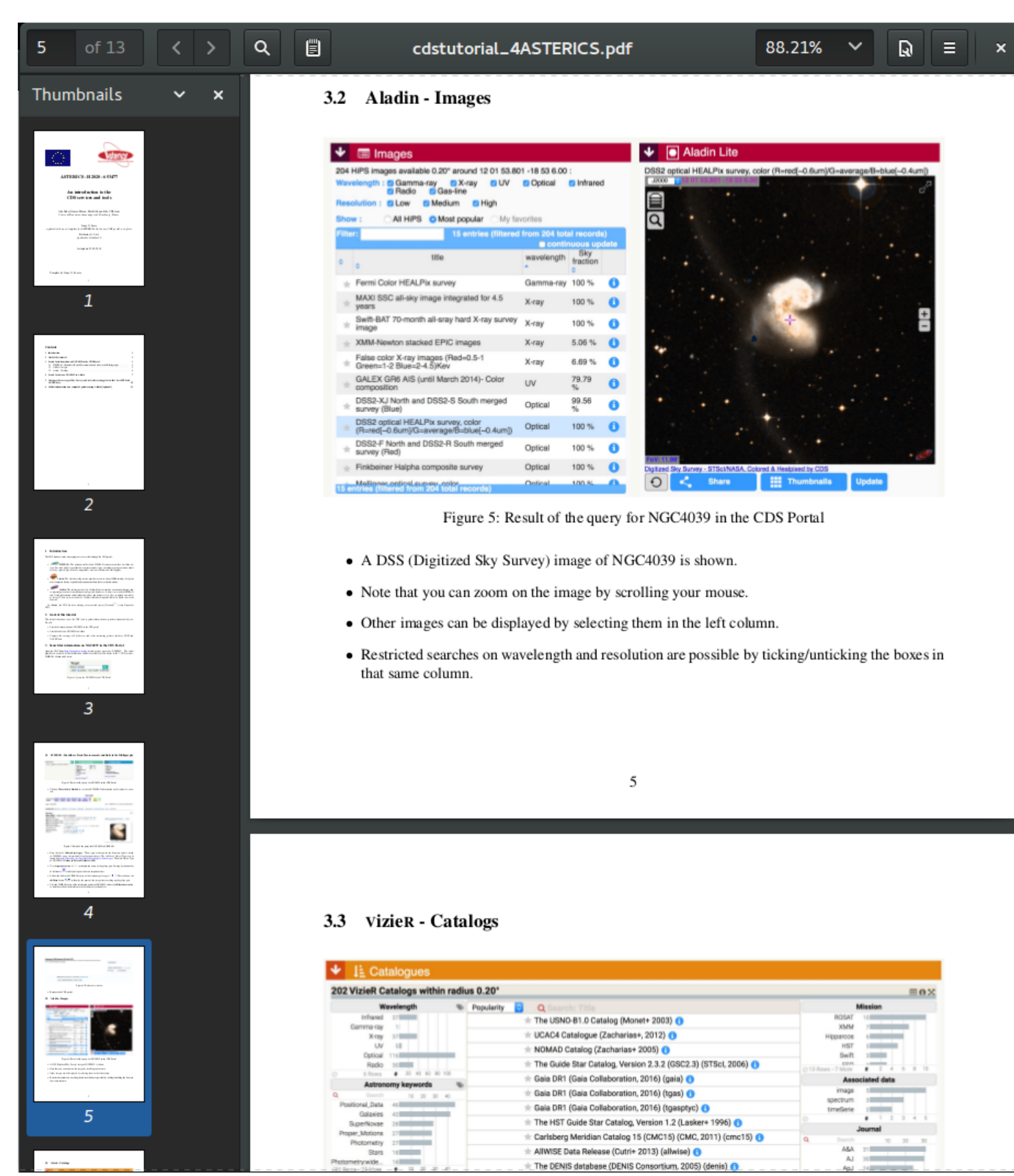
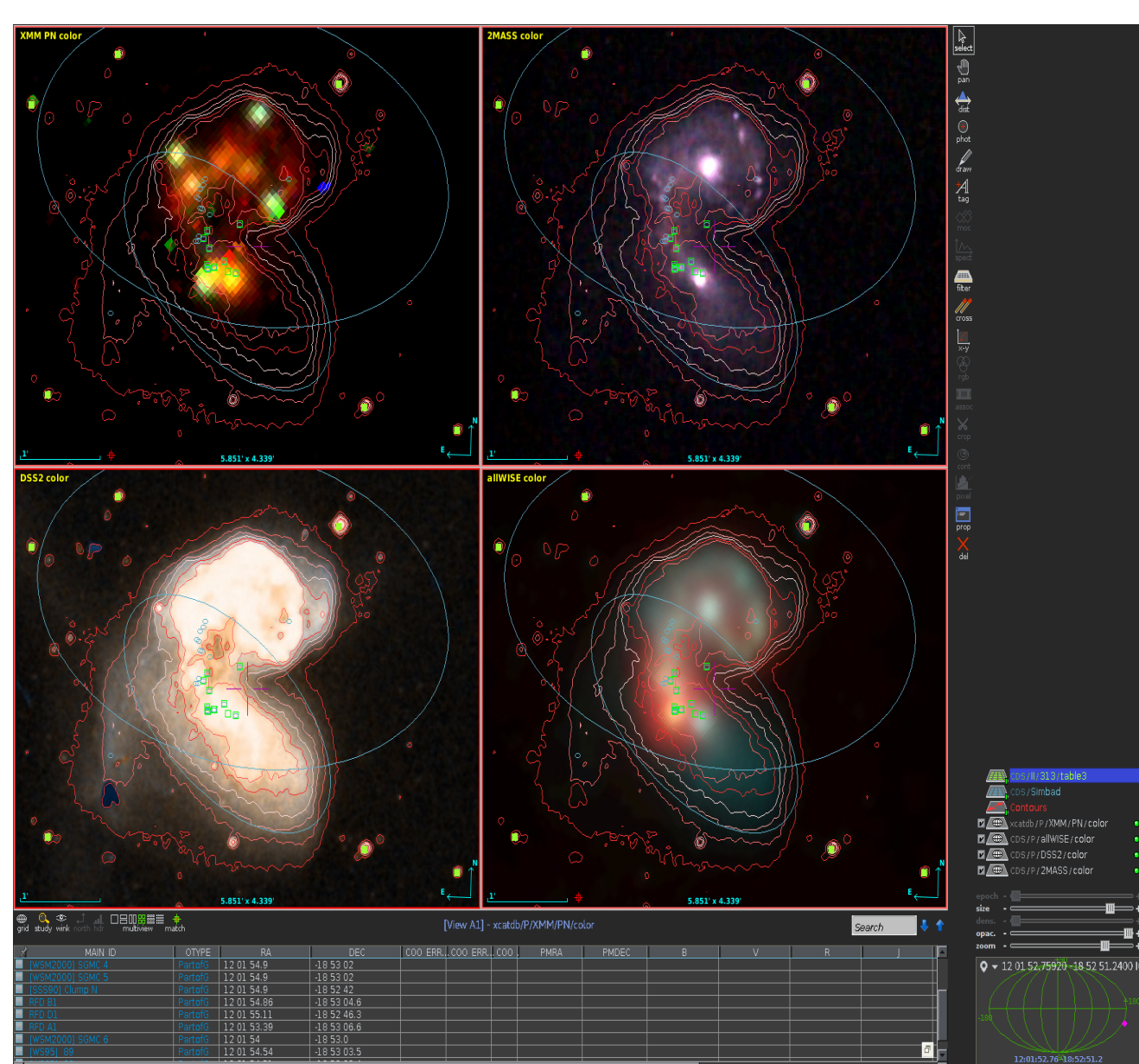


Example tutorial: Introduction to CDS services

Target: NGC4039
J2000 position: 12 01 53.801 -18 53 6.00



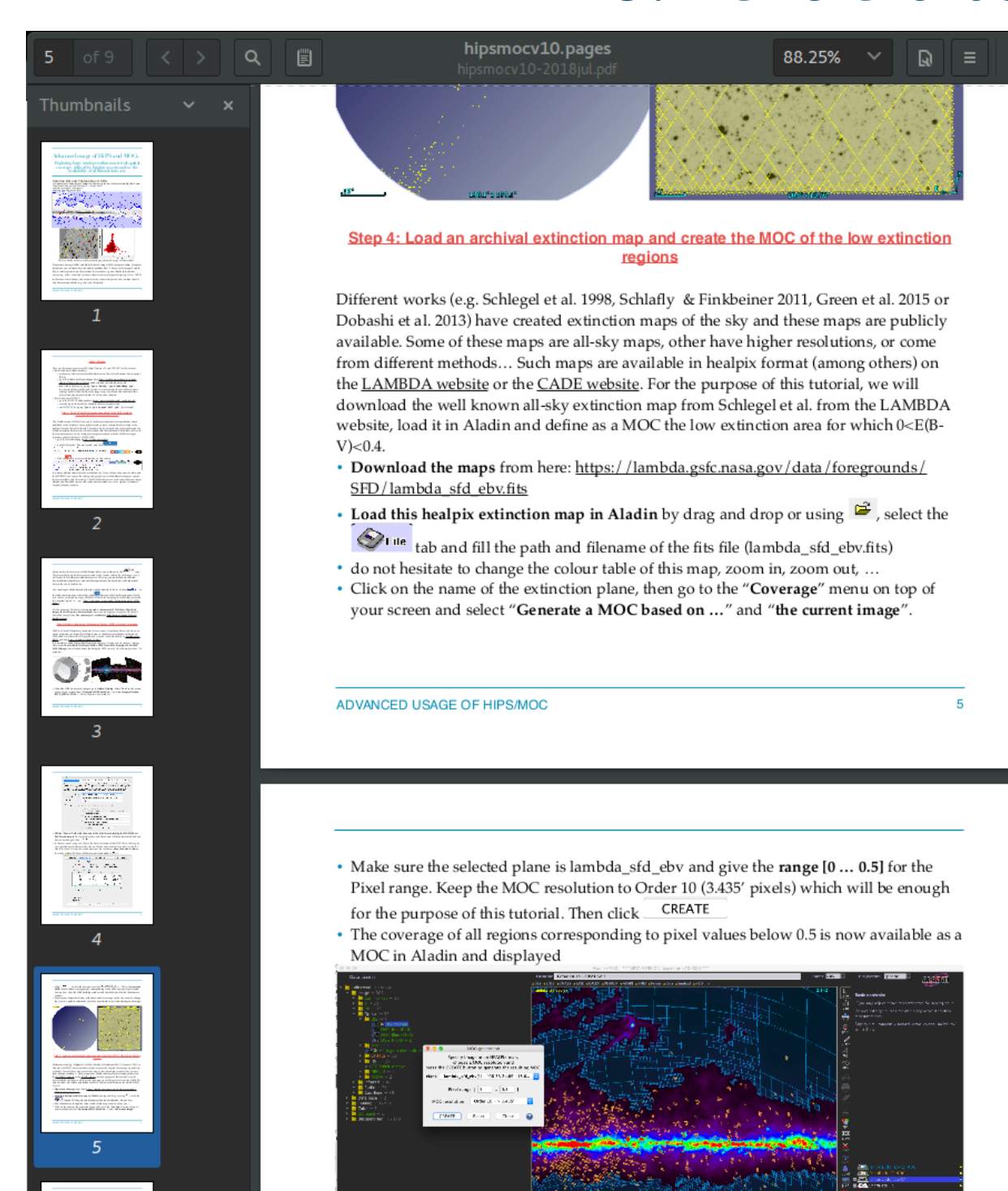
guides through basic data discovery: object name → basic info → bibliography → tables → images



Example tutorial: Advanced HiPS and MOC

How to find and analyse all sources from a table, which are:

1. located within the FoV of your observations,
2. in regions of low extinction,
3. have a cross-match in another catalogue.



Create your own HiPS and MOC

Cross-match with Gaia and WISE, get colour-colour diagram

