

THE VIRTUAL OBSERVATORY



OSCARS

Astro-CC

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???



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Astro-CC

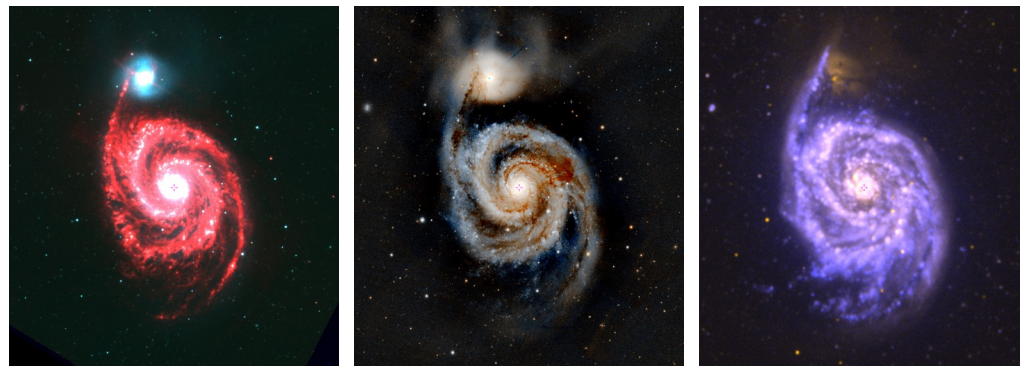
I- DIVERSE DATASETS

- multiple archives & missions
- multi-wavelength
- time-domain observations



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II- THE INTERNATIONAL VIRTUAL OBSERVATORY ALLIANCE



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II- THE INTERNATIONAL VIRTUAL OBSERVATORY ALLIANCE

→ define a common language

- for archives & data providers
- for astronomical software

≡ STANDARDS



NOVA

Astro
Grid

ArVO

ASVO
ALL SKY VIRTUAL OBSERVATORY

EA VO

China-VO

CVO

ChiVO
CHILEAN
VIRTUAL
OBSERVATORY

esa

EUROVO

GERMAN ASTRONOMICAL
GAVO
VIRTUAL OBSERVATORY

Japanese Virtual Observatory
JVO

KazVO

IVOA

NL
VO

OV FRANCE

RVO

SKAO

NRF SA
National Research Foundation
South African
Astronomical Observatory

SVO

Obs.i

UKR
VO

USVO

VO-i

III- THE VO IN ACTION

F ind the data available	the VO registry
A ccess the data	query protocols
I nteroperable use of the data with other data	common data formats & metadata
R e-use the data	cutouts services, analysis software, cross-match services...

III- THE VO IN ACTION

Find the data available	the VO registry
Access the data	query protocols
Interoperable use of the data with other data	common data formats & metadata
Re-use the data	cutouts services, analysis software, cross-match services...

IV- THE VO IN ACTION: PLENARY PRESENTATIONS

- The ESO and ALMA Science Archives: From Web Interfaces to Programmatic Access
Ashley Barnes
- The ESO and ALMA Archives: A Science Case Using Virtual Observatory Services
Juan Manuel Carmona Loaiza
- Science use case of the VO
Ada Nebot
- Computing average spectra of geologic units on Mercury
Stéphane Erard

V- THE VO IN ACTION: TUTORIALS

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- hands-on: follow along
- show you what's possible
- you're welcome to interact
- tutor & helpers
- we want to get your feedback

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VESPA

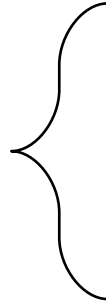
CDS

ST-MOC

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Note: if you really cannot chose, the CDS and ST-MOC tutorials will be recorded so you can always see them later

VI – VO IN ACTION: YOUR OWN PROJECTS

- interact with the helpers and each other
- presentations if you want

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VII – CODE OF CONDUCT + HAVE FUN



SCIENTIFIC TRAINING EVENT



	TUESDAY	WEDNESDAY	THURSDAY
9h00	The ASTRO-CC project 9h00-9h20	ESO and ALMA archives 9h00-9h20	Spectra on Mercury 9h00-9h20
	Introduction to the VO 9h20-9h40	VO use case 9h20-9h40	ESO and ALMA archives 9h20-9h40
10h00	BREAK 9h40-10h00	BREAK 9h40-10h00	BREAK 9h40-10h00
11h00	ADQL amphi 10h00-12h00	CDS amphi 10h00-12h00	participants projects 10h00-12h00
12h00	TOPCAT/STILTS meeting room 10h00-12h00	VESPA meeting room 10h00-12h00	
13h00	LUNCH BREAK 12h00-13h00	LUNCH BREAK 12h00-13h00	LUNCH BREAK 12h00-13h00
14h00	ADQL meeting room 13h00-15h00	ST-MOC amphi 13h00-15h00	participants projects 13h00-14h30
15h00	TOPCAT/STILTS amphi 13h00-15h00	VOSA meeting room 13h00-15h00	BREAK 14h00-15h00
16h00	BREAK 15h00-15h30	BREAK 15h00-15h40 visit of the observatory dome	closing thoughts 15h00-15h30
17h00	VOSA amphi 15h30-17h30	participants projects 15h40-18h00	
18h00	CDS meeting room 15h30-17h30		



conf-astro-cc
5XB2026



[https://
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event/38575/](https://indico.in2p3.fr/event/38575/)