

AIDA WP4 Overview

Service Activities in support of provision of VO-enabled services to the science community

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WP4: objectives

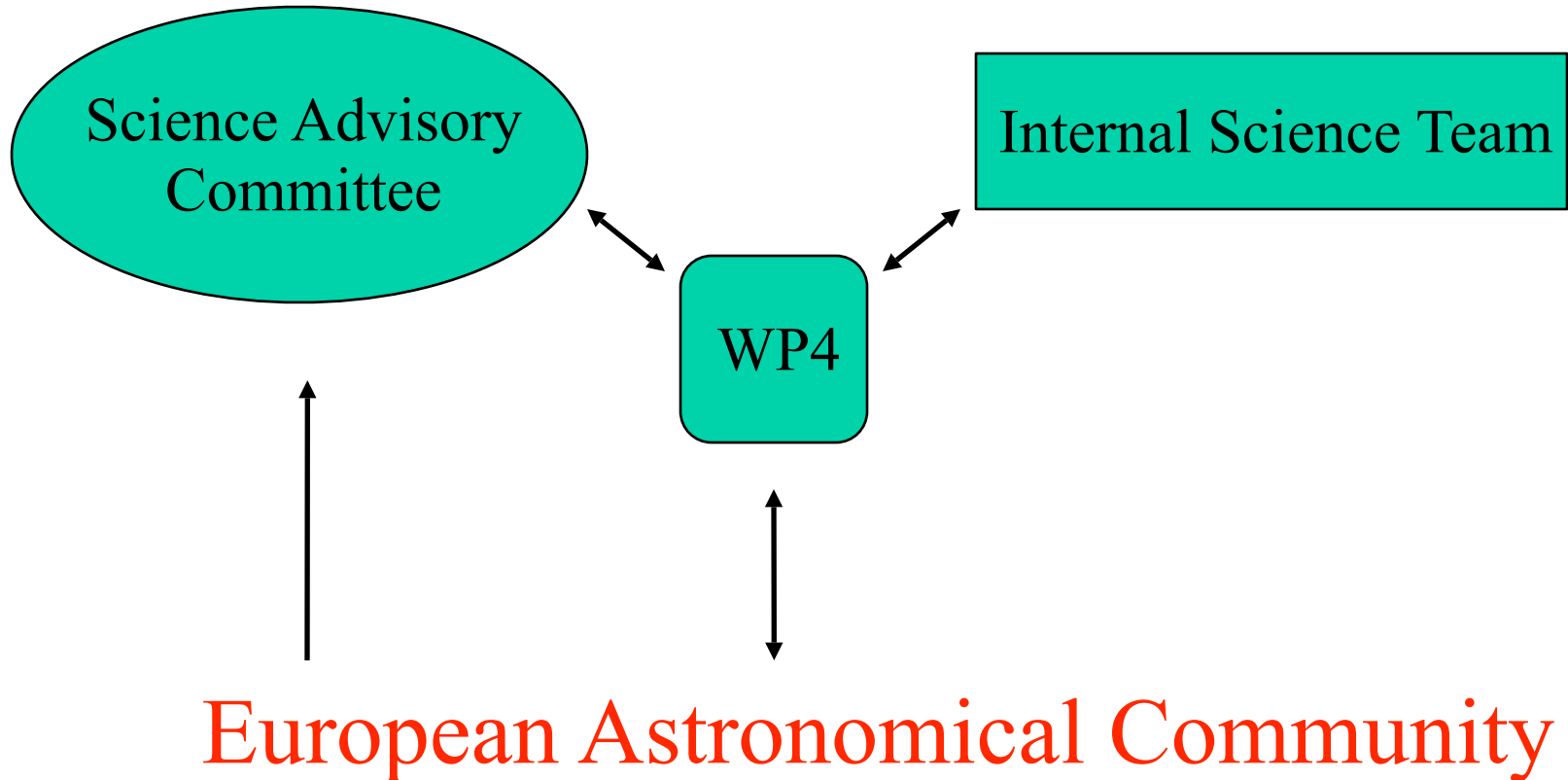
Main objectives:

- Trigger advanced usage of VO capabilities
- Obtain a set of well-documented science cases
- Gather feedback about the needs of the science community
- Adaptation of VO tools to these needs

Interaction with European astronomers in the area of “science with the VO”

WP4 activities have a large overlap with those of the
EURO-VO Facility Centre

WP4 interactions



AIDA Internal Science Team (IST)

Mark Allen	CNRS
Deborah Baines	ESA
Evanthia Hatziminaoglou (as WP4 Lead)	ESO
Giuseppe Longo	INAF
Eduardo Martin	INTA
Paolo Padovani (Chair)	ESO
Gijs Verdoes Kleijn	RUG
Nic Walton	UEDIN
Joachim Wambsganss	UHEI

WP4 activities: IST/developers meeting

- ▶ One full-day meeting (Nov 18, 2009) @ESAC
- ▶ 19 participants (M. Allen, C. Arviset, D. Baines, I. Barbarisi, A. Belikov, F. Bonnarel, M. Demleitner, J. Gonzalez, R. Gutierrez, E. Hatziminaoglou, A. Laruelo, K. Noddle, P. Osuna, P. Padovani, C. Rodrigo, J. Salgado, E. Solano, M. Taylor, G. Verdoes Kleijn)
- ▶ Generic requests on tools and applications, then a tool-specific list

Should be repeated!

WP4 activities: Science Advisory Committee (SAC) meetings

- ▶ EURO-VO SAC is a body of external astronomers who provide science input to the EURO-VO
- ▶ It includes also the EURO-VO DC (Mark Allen), FC (Paolo Padovani), and TC (Nic Walton) Scientists + the ESA-VO Scientist (Deborah Baines)
- ▶ Most SAC members have been renewed (three are involved for another year for continuity)
- ▶ The SAC met at ESO in December 2009 and will meet again in London in June 2010
- ▶ SAC Web page at <http://www.euro-vo.org/pub/fc/sac.html>

WP4 activities: Science Advisory Committee (SAC) meetings

► **Format:**

- *Presentations:* The VO and the EURO-VO project, EURO-VO SAC Terms of Reference
- *Reports:* VO Tools, Research Initiatives, VO Schools, DCA, Tec, ESA workshop
- *Long term goals*
- *Conclusions*

WP4 activities: Science Advisory Committee (SAC) meetings

▶ **SAC feedback (from the minutes):**

- *enlarge the list of VO papers by loosening the constraints*
- *find a way of serving the emerging community of astronomers that want to publish their data in the VO*
- *journals should provide the possibility to load the data related to a paper to the VO upon submission*
- *SAC to see and revise the photometry data model description*
- *SAC could come up with, and carry out, "little" VO projects*

WP4 activities: Research Initiative

- ▶ D4.3 (month 17): Second Announcement of Opportunity
 - ✓ Call released on May 20, with a deadline of July 15; 11 applications received (http://www.euro-vo.org/pub/fc/AIDA_call_2009.html)
 - ➔ After the face-to-face meeting (Nov 2009), three projects are now supported:
 - Reconstructing the SED of Spiral Galaxies in the WINGS survey
 - A common scale for the spectroscopic metallicity determination of field and open cluster stars
 - Probing the ambient gas around compact radio galaxies through optical and X-ray spectroscopy
- ▶ three ongoing projects from the first Announcement of Opportunity (D4.1); one paper submitted to MNRAS; another one to be submitted soon

WP4 activities: VO “Hands-on” School

Strasbourg, January 25-28

- ▶ ~80 applications - 39 participants - 14 tutors - many projects - lots of fun
- ▶ tutorials, divided in “core” and “thematic”, + one day for own projects
- ▶ according to both the feedback session and the feedback forms, the School was a great success; most of the tutorials were characterised as very useful and the School as very good to excellent
- ▶ great interaction between scientists and developers
- ▶ the School has proven (once again) to be the most effective way to reach out to the astronomical community, which is vital for VO “take-up”



WP4 activities: VO Days

- ➔ repeated at the national level by some Euro-VO partners
- ➔ since the last AIDA technical forum:
 - Geneva “VO Day” [January 2010]
 - VO ...in Tour [Italian initiative, events to conclude March 2010]
 - Bonn “VO Day” [April 2010]
 - Dutch “VO Day” [April 2010]
 - Modern Data Mining in Astronomy [April 2010]
 - French “VO Days” [June 2010]
 - Swedish “VO Days” [June 2010]

Typically 1 to 2 day events, with 15 - 30 participants

WP4 deliverables

- D4.1 (month 5): First Announcement of Opportunity ✓
- D4.2 (month 15): First release of on-line science-oriented tutorials ✓
(<http://www.euro-vo.org/pub/fc/workflows>)

Cycle 2

- D4.3 (month 17): Second Announcement of Opportunity ✓
- D4.4 (month 27): Final release of on-line science-oriented tutorials

Plus work for:

- D2.2 (month 9): First “Community Feedback” Workshop, ESAC, Dec. 1 - 3, 2008 ✓
- D2.3 (month 13): “Hands-on” Workshop, ESO, March 30 - April 2, 2009 ✓

Cycle 2

- D2.8 (month 21): Second “Hands-on” Workshop, Strasbourg, March 25 - 28, 2010 ✓