

AIDA WP4 Overview

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

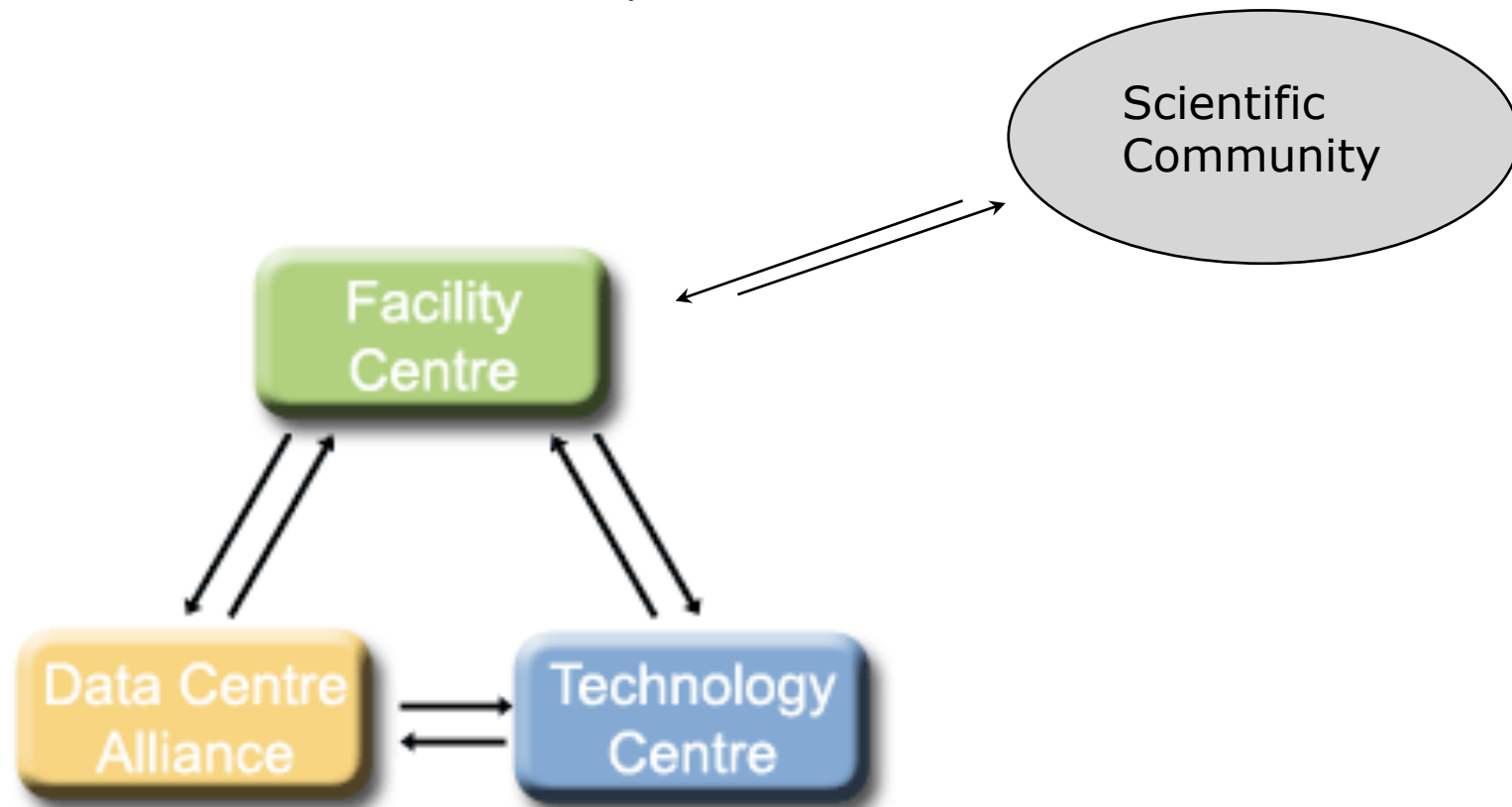
*Paolo Padovani and Evanthia Hatziminaoglou
(ESO)*

WP4: objectives

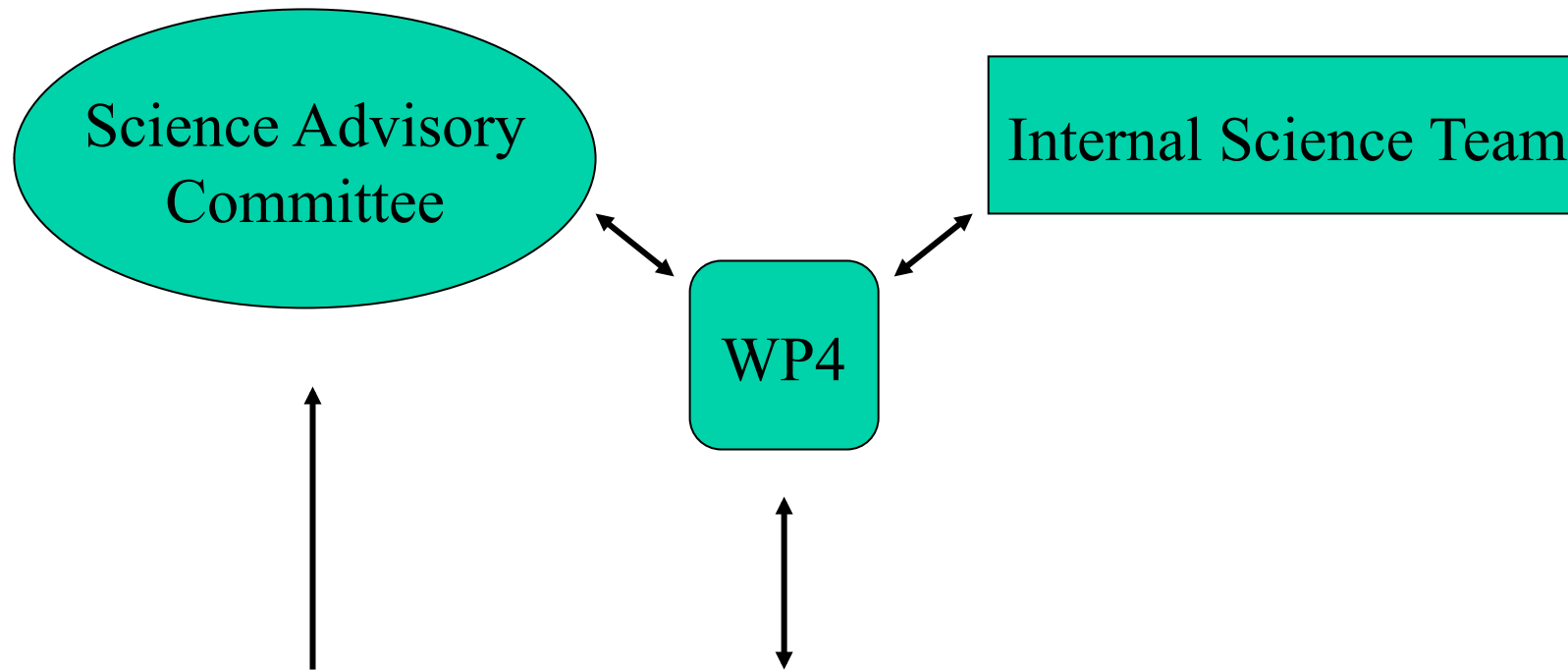
- Main objectives:
 - Trigger advanced usage of VO capabilities
 - Obtain a set of well-documented science cases
 - Gather feedback about the needs of the science community
 - Adaptation of VO tools to these needs

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



European Astronomical Community

AIDA Internal Science Team

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: 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 (PP), 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 will likely meet before the end of the year
- SAC Web page at <http://www.euro-vo.org/pub/fc/sac.html>

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)
 - ✓ Aim: scientific and technical support to teams interested in carrying out astronomical projects utilising VO tools
 - ✓ The proposals have been evaluated by the SAC on their scientific merits; AIDA scientists and technical experts are assessing their feasibility
 - ✓ A face-to-face meeting with the top-ranked teams will be held to assess the needs of the projects; support likely to start soon after

WP4 activities: VO “Hands-on” School

- ESO, March 30 - April 2 (3 full days)
- Web page: <http://www.euro-vo.org/aidahandson2009/>
- Goal:
 - expose (young) European astronomers to VO tools and services so that they can use them efficiently for their own research
- Methods:
 - lecture and tutor the participants on the usage of such tools
 - give real life examples of scientific applications (some selected from those submitted by participants)
 - hands-on exercises
- Participants:
 - 40 students (out of ~ 75 applicants)



WP4 activities: VO “Hands-on” School

- 15 Tutors:
 - *Gary Gilchrist, Eduardo Gonzalez-Solares, Paul Harrison, Mark Taylor, Nic Walton* (AstroGrid)
 - *Mark Allen, Caroline Bot, Sebastien Derriere, Thomas Boch* (CDS)
 - *Deborah Baines, Juan Gonzalez* (ESA)
 - *Evanthia Hatziminaoglou, Paolo Padovani* (ESO)
 - *Carlos Rodrigo, Enrique Solano* (Spanish VO)
- The School was a great success! The participants were enthusiastic and learnt a lot (and complained it was too short!)
- Great interaction between scientists and developers
- The School has proven to be the most effective way to reach out to the astronomical community, which is vital for VO “take-up”
- Has been/will be repeated at the national level by some Euro-VO partners (e.g., ESO “VO day” [Sept. 15], VO-France [Sept. 24], Spanish “VO day” [Oct. 27-28], Vobs.It, plus Geneva “VO Day” [Jan. 2010])

More WP4 related activities

- Conferences, Workshops, and Schools:

- ✓ JENAM 2009, Hatfield, Apr. 2009 (Euro-VO booth) [PP, EH, Deborah Baines, Nic Walton]
- ✓ First School on Multiwavelength Astronomy, June 29 - July 10, Paris (<http://www.black-hole.eu/index.php/schools-workshops-and-conferences/1st-school-on-multiwavelength-astronomy>) [Mark Allen]
- ✓ ESO “VO-day”, September 15 [PP, EH, plus Mark Allen and Mark Taylor]
- ✓ IX Hellenic Astronomical Conference, September 20 - 24, Athens, Greece (<http://www.helas.gr/conf/2009/index.php>); EH to give invited talk “Science with the Virtual Observatory” in the Session “*Astronomical Infrastructures*”
- ✓ Summer School NOVICOSMO 2009 *Highlights in Astrophysics*, September 20 - 30, Rabac, Croatia <http://www.novicosmo.org/> [EH]
- ✓ plus various talks and colloquia

WP4 deliverables

- D4.1 (month 5): First Announcement of Opportunity ✓
- D4.2 (month 15): First release of on-line science-oriented tutorials ✓

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

To be held at CDS around Jan. 2010