

CoSADIE Tech Forum One

Astronomical prototypes in iCORDI

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- <http://www.icordi.eu>
- FP7-INFRASTRUCTURE-2012-1
- 24 months from 1/09/2012 (like CoSADIE)
- 12 participants from Finland, France, Germany, Greece, Italy, Netherlands, Spain, and UK (interactions with the USA)
- « iCORDI focuses on coordinating a series of cross-infrastructure experiments on global interoperability with a selected group of projects and communities »
- Each prototype addresses a specific community driven use case indentifying best-of-breed solutions and the remaining challenges



- The iCORDI Prototype Programme is developed in synergy with
 - the iCORDI Analysis Programme (devoted to analyzing data organizations and solutions as they emerge from the various scientific communities)
 - the iCORDI Workshop Programme (covering the investigation data infrastructure convergence and reaching out to new research communities)
- 4 Work Packages
 - WP 1 : Management
 - WP2 : Access and Interoperability Platform
 - **WP3 : Community-led collaboration (Rob Baxter)**
 - WP4 : Dissemination and Event Support
- Participation to the Research Data Alliance



WP3 : Community-led collaboration

- A “show and tell” of global infrastructure prototypes at community workshops
- Prototypes are developed in Astronomy, Earth Sciences, Data & Publications linking and Chemical Safety
- For the Astronomy theme we have two prototypes
 - Linking EUDAT and IVOA (André Schaaff and Jeremy Nowell)
 - Evolution of the IVOA (Françoise Genova)



Astronomical community prototype 1

- Linking EUDAT and IVOA
 - Concerns the IVOA technological aspects
 - ~ linking OGSA-DAI and TAP
 - OGSA-DAI is a solution for distributed data access and management (developed by EPCC)
 - The final demo should be a cross-match of astronomical catalogues done in an OGSA-DAI implementation through the IVOA TAP protocol. We expect a demo involving three parties, CDS (VizieR TAP access), ROE and CADC to highlight the feasibility of distributed queries with the OGSA-DAI and TAP association
 - Dissemination of IVOA technological aspects in the iCORDI community



Astronomical community prototype 2

- Evolution of the IVOA
 - Concerns the IVOA organisational aspects
 - The final 'demo' will be a document describing how the International Virtual Observatory Alliance, the IVOA, was formed in 2002, and how it has evolved since then, including the current evolution towards an operational phase
 - A preliminary paper summarizing the organisation of the IVOA has been produced by 15 December 2012, as an input to the thoughts around RDA organisation
 - A presentation of "Lessons learnt from building the International Virtual Observatory" was presented to the Governance Working Group of the e-IRG meeting (Amsterdam, 3-4 December 2012)
 - Dissemination of IVOA methods and finding in the iCORDI community

iCORDI plans for Heidelberg



- A demo of the prototype involving OGSA-DAI and TAP
 - Jeremy Nowell and Amy Krause from EPCC will join us during the second day of this meeting and we will discuss about the prototype 1 during the Hack-a-thon
 - More details after the discussion
- Some people from iCORDI WP3 should participate to the Heidelberg interop, at least someone from Max Planck who has skills in registries, it is an ongoing discussion and other people may join
- People working in the iCORDI WP2.3, Data organization analysis and support, are also interested by the IVOA and should participate too