

WP5

Status & Activity

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I N A F



INFORMATION
SYSTEMS UNIT



WP5 Objectives

- Coordinations between VObs and Grids;
- Activities to allow VO users to experience the Grids (through the DCs);
- Preparatory studies on interoperation issues;
- Dissemination;
- Contact with Grid;



WP5 limits

- Point of view of the DCs
- Coordinated action: suggestions and documentations.
- Grid is an instrument... astronomy is the goal.
- Maybe we can overcome them....

What was the Initial Plan?

- A. Knowledge acquisition;
- B. Coordination;
- C. Suggestions and guidelines;
- D. Dissemination.

Where are we?

- Kick-off meeting:
 - Dec 2006
- Grid Partners Identification;
- Activities Definition:
 - topics
 - methodology
- Coordination.
- Wiki page



WP5 people

Name	Affiliation	Project
Pedro Osuna	ESAC	DCA
Ruben Alvarez	ESAC	DCA
Gerard Lemson	MPG	DCA/GAVO
Harry Enke	IAP	Grid-De
Enrique Solano	ESA	SpanishVO
Juan de Dios Santander Vela	IAA	Spanish Grid
Andrè Schaaff	CDS	France VO
Keith Noddle	IAC	AstroGrid
Guy Rixon	IAC	AstroGrid
Giuliano Taffoni	INAF	DCA/EGEE
Valeria Manna	INAF	DCA
Edwin Valentyn	NOVA	DCA
Andrew Belikov	NOVA	DCA
Claudio Vuerli	INAF	EGEE (Astro Contact person)

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Knowledge

Census of Grids

- Survey of European/National/Campus GRID initiatives.
 - Production status
 - Authentication methods
 - Authorization methods
 - size....
- Live document (Grids are live entities)
- Available on the wiki.



Grid Standards

- Authentication and Authorization;
- Grid data management: data access for/to DCs;
- Grid job management and workflow tools: job access/exchange for DCs.
- Information system.



But we are careful...

- Grid => evolving standards
- Grid => de facto standards
- Not always a production environment follows **the standards!**



Hot topics

- SSO
- VOSpace
- Workflows
- Auth&Auth
- DMS Services
- Job Management Services

Partners

First focus

- EGEE
 - Primary Grid Infrastructure in EU
 - Production environment

- DEISA
 - HPC

EGEE coordination

- EuroVO-DCA officially request a Virtual Organization in EGEE
 - vodca
- Coordination with NA4/NA3 for dissemination
- Coordination with JRA1 for middleware
 - to come with the VO.
- EGEE User Forum

EuroVO Tech

- DS3 official coordination and partnership
 - SSO related activity
 - VOspace related activity (requirements)
- Experience exchange;
- Working together on standards.

IVOA

- Grid&WS working group
 - SSO standards
- Theory Interests Group
 - Grid and Theoretical calculations

EuroVO-DCA

- Coordination with other WPs in particular WP4:
 - Common startup in late November ?
 - Interactions every 3 months (?)
- WP3
 - Dissemination and training on grid aspects

Open Grid Forum

- Participation to OGF
 - Manchester Astro Meeting
- AstroRG

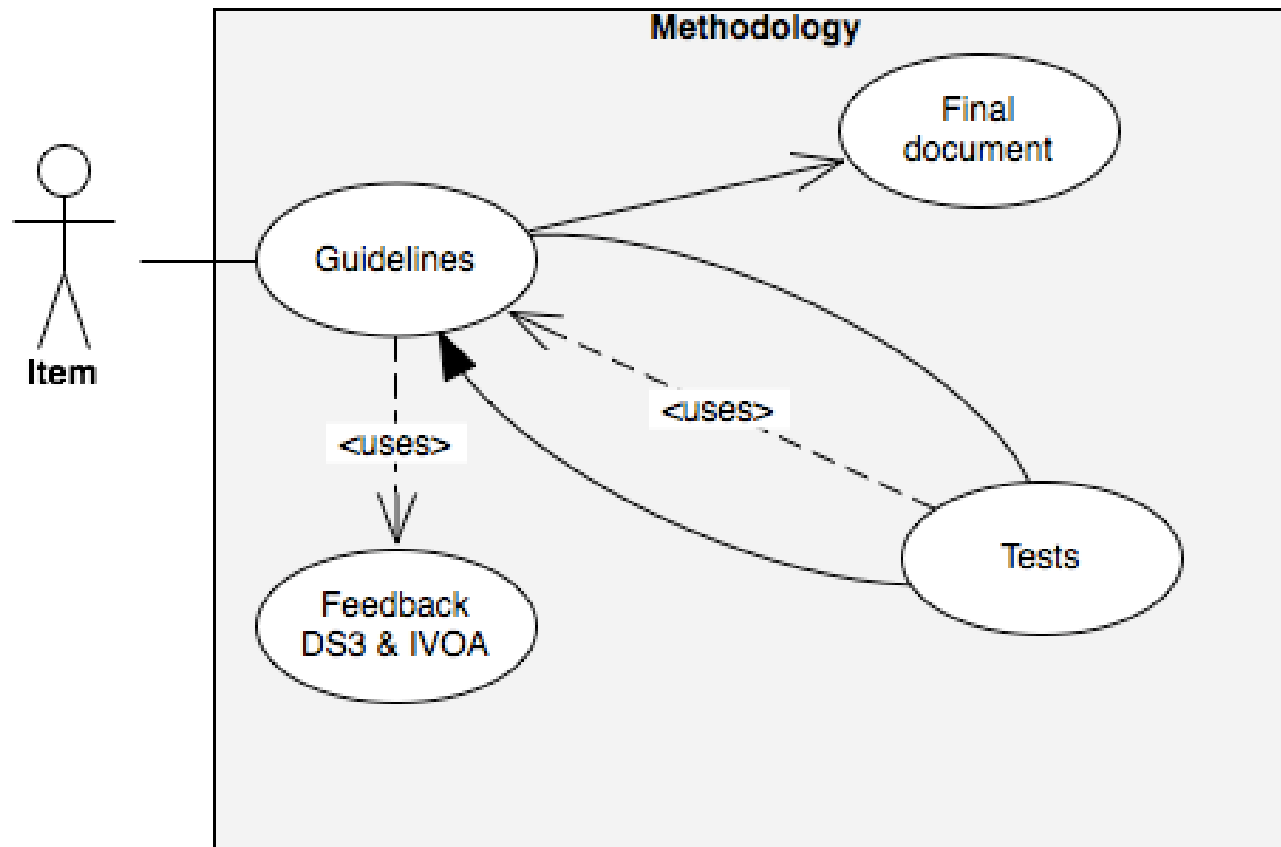
Activity

Topics

- Best practice procedures to access Grid facilities from DCs.
- Hot topics
 - SSO \Leftrightarrow Auth&Auth
 - VOSpace \Leftrightarrow DMS
 - Job Management (workflow)
- We use usecases

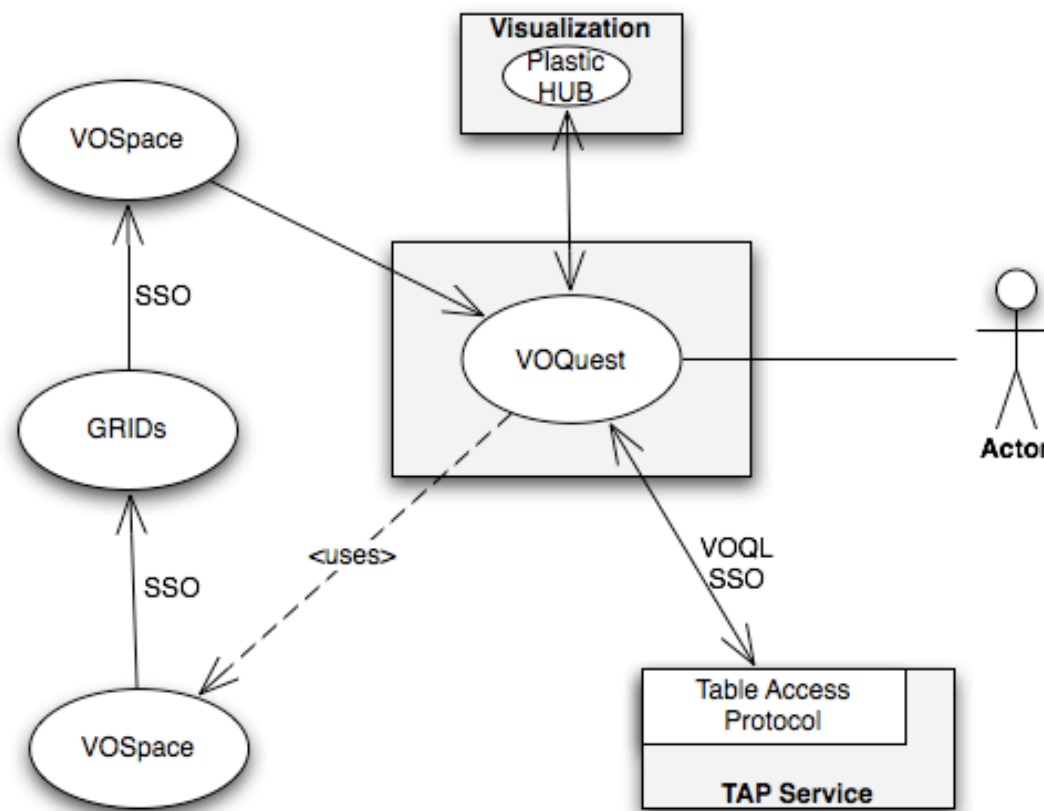


Methodology



Use Cases

- Data Oriented
- Theory Oriented
– BASTI



Activity

- Join EGEE (Trieste + ESAC)
- Development of a common environment for “vodca” Virtual Organization
- SSO study and design (VoTech+IVOA)
- Data Management
- Workflows

Future

- Census of the Astronomers
- Support for “vodca” VO
- coordination with EGEE NA4
- coordination with WP3
- Use cases setup
- Tests.

Deliverables

Possible docs

Document	Description	Expected release
WP5-doc0.1	Census of the Grid initiatives	
WP5-doc0.2	Questionnaire for Astronomers	
WP5-doc1.1	Document on Authentication and Authorization	
WP5-doc1.2	Document on Data management systems for the Grid	
WP5-doc1.3	Document on Job management systems for the Grid	
WP5-doc2.1	Use Cases	
WP5-doc2.2	EuroVO-DCA requirements collection	
WP5-doc3.1	Data reduction oriented use cases description	
WP5-doc3.2	Theoretical use cases description	
WP5-doc4.1	Guidelines for the Use of the Grids	



Summing UP

- Definition of participants;
- Definition of partners;
- Definition of collaborations;
- Identification of standards;
- Identification of Actions;
- Identification of Main-deliverables.

Thanks for your attention