



Enabling Grids for
E-science in Europe

NA4 all activity meeting

V. Breton on behalf of NA4



Content

- HEP specific issues (see Massimo and Frank presentation)
- Biomedical specific issues
 - Status of biomedical VO
 - Joint JRA1-Biomed technical team meeting
- Generic application issues
 - First EGAAP meeting
- Test team
- General NA4 issues
 - WBS, Execution plan, Quality plan,...
 - Deliverables
 - New unfunded partners
 - NA4 open meeting
 - PTF (see Cal's presentation)
 - Manpower issues

Application specific issues: biomed

- Status of Biomed application deployment on LCG2
 - VO operated by CC-IN2P3
 - First tests under way with CNAF Resource Broker
 - Hopefully, first “Hello biomed” job very soon on LCG2
- Joint meeting with JRA1 June 15
 - Discussion of biomed requirements
 - Presentation of middleware prototype
 - Identification of 5-10 early users
 - What is the feedback loop from biomed technical team to JRA1 on prototype experience ?
- NA4 biomed group meeting June 8th in Lyon
 - Involvement of Mammogrid in NA4 activities

EGEE Generic Applications Advisory Panel (1/2)

- First meeting of EGAAAP on June 14th
- Presentation of four applications
 - Computational chemistry (A. Lagana, Univ. Perugia)
 - Earth sciences (Monique Petitdidier, CNRS), including industrial component (CGG, involved in SA1)
 - Astroparticle (H. Kornmayer, Forschungszentrum Karlsruhe)
 - *Simdat (Clemens-August Thole, Fraunhofer, SCAI)*
- Conclusions
 - 3 applications (comp. chemistry, earth science, astroparticle) recommended for deployment with allocation of NA4 resources
 - Drafting of a mini MOU between EGEE and applications describing mutual commitments

EGAAP (2/2)

- Progress report of 3 selected applications at next EGAAP during EGEE conference in Amsterdam
- Other european projects already collaborating with NA4 or asking for NA4 support
 - FP5 GRACE (CERN)
 - FP5 Mammogrid (CERN)
 - FP6 Diligent (CERN)
- Expressions of interest
 - Planck (astroparticle)
 - Simdat (drug discovery)
- Issue: last minute defection of 3 out of the 5 external members

NA4 Test team

- First version of NA4 test plan:
<https://edms.cern.ch/document/477168/0.0>
 - Include test case template
- Relationship with JRA1 test team
 - Will use JRA1 testbed
 - Contribute to design and implementation of common test suites with JRA1
- Definition of tests framework on going
- Soon starting the definition of tests cases from uses cases
- Input to NA4 Quality Plan
- Participation to many groups (AWG, PTF,...)

Status of NA4 management documents

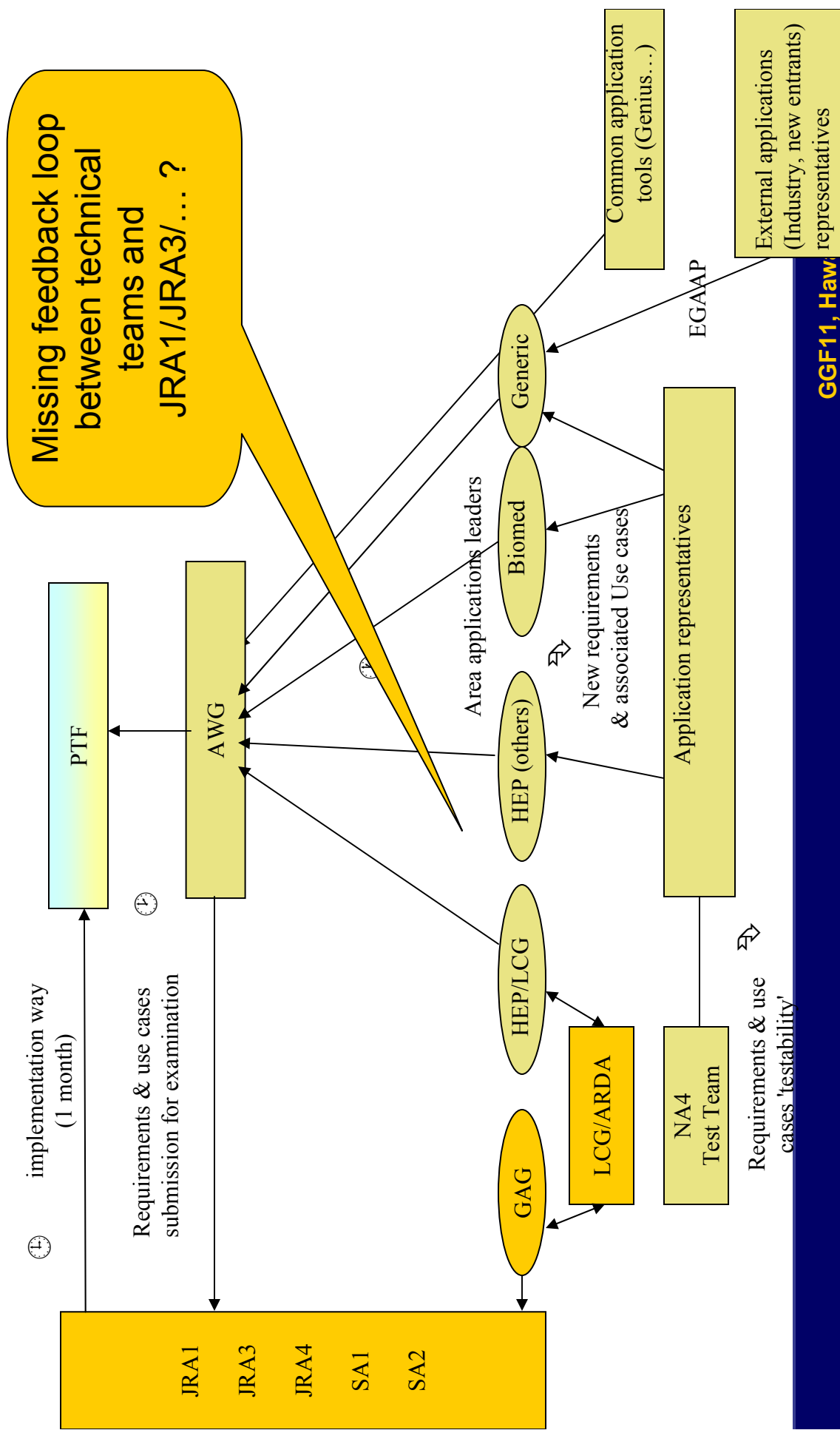
- WBS updated
- Execution plan v2.9 on EDMS
<https://edms.cern.ch/document/450477>
- Quality plan on EDMS
<https://edms.cern.ch/document/475075>

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Status of deliverables

- MNA4.1 milestone is reached
 - Creation of a database relating requirements, use cases and test cases (J. Montagnat et al)
 - Biomedical requirements and related use cases accessible at <http://egee-na4.ct.infn.it/requirements/>
 - Presented at PTF & JRA1, to be presented to GAG
 - Following comments, information will be added coming from other user communities
 - Tool proposed to GGF Life Sciences research group
- DNA4.1 “Definition of common application interface” on track
 - Due PM3 (end of June)
 - Version 0.4 on EDMS (Frank, Johan & Roberto): <https://edms.cern.ch/document/475319/4>
 - Weekly discussion at AWG
- Discussion started on DNA4.2

Requirements process



Integration of unfunded partners

- Five potential partners in particle physics and bioinformatics
 - Swiss National Supercomputing Centre
 - Swiss Institute of Particle Physics
 - Swiss Institute of Bioinformatics
 - High Energy Physics group (university of Wuppertal)
 - Institute of biomedical technologies
- NA4 perspective for non HEP unfunded partners
 - Meaningful integration in the project requires participation to well defined applications
 - Meaningful integration in the project at application level requires participation to NA4 activities
 - If not, better keep these groups as infrastructure users

NA4 open meeting

- July 15-16 in Catania
 - July 15th am: intro (Fab) + status of application sectors
 - July 15th pm: joint NA4-JRA1 session (M. Lamanna, E Laure - F.Hemmer)
 - July 16th am: joint NA4-SA1 session (F. Harris, I. Bird)
 - July 16th pm: joint NA4/JRA4-SA2 (G. Romier, VB, JP Gautier, J. Orellana)
- Information on NA4 web site
- Already 30+ registered participants

Hiring Status & Manpower level

Partner	FTE	MM	Assigned	To hire	FTE from TA	Deviation
CERN	8	96	8		8	0%
CESNET	1.6	19	0.8		1.6	50%
MTA	0.4	0.4	0		0.4	100%
UEDIN	1	12	1		1	0%
CNRS	10	120	8	2	10	20%
CSSI	2	24	1		2	50%
CRSA	2	24	-		2	-
DKRZ	1	12	1		1	0%
FhG	1	12	1		1	0%
INFN	5.5	66	5.5		4	0%
FOM	2	24	1		2	50%
CSIC	2	24	1		2	50%
UPV	2	24	1.7	0.3	2	15%
IHEP	1.6	19	1.1		1.6	30%
IMPB RAS	1.3	16	-		1.3	-
ITEP	2	24	1		2	50%
JINR	1.6	19	0.8		1.6	50%
PNPI	1.6	10	0.8		1.6	50%
RRC KI	2	24	1.		2	50%
SINP-MSU	2	24	1.		2	50%
TOTAL	50.6		> 35	> 2	49.1	< 30%

Manpower issues

- Status of hiring process
 - Some groups are still hiring (CNRS)
 - Other groups did not respond with sufficient details
 - Timesheets will definitely help to quantify partner involvement in the project
- Integration of groups into generic activities (MTA, CESNET, FHG, DKRZ, FOM)
 - Need to define a process to involve all NA4 partners
- Necessity to design also an integration mechanism for the external projects
 - To contribute to requirements
 - To access new middleware (for instance, Mammogrid representatives in biomed technical team)

Risk assessment

- **Issues**
 - Address growing interest from external institutes (unfunded partners)
 - Address growing interest from other EC projects (already GRACE, DILIGENT, MAMMOGRID)
 - Address growing interest of scientific communities (computational chemistry, astroparticle, astrophysics, earth science, drug discovery)
- **Proposed solution**
 - Mobilize NA4 manpower around large scale applications