EGEE Generic Applications Advisory Panel (EGAAP) update and future

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EGAAP - Objectives

EGEE has set up the EGEE Generic Applications Advisory Panel (EGAAP)

- EGAAP was an advisory body to EGEE management with a role to:

  → Review new applications from as many scientific fields as possible

  → Make recommendations on how to integrate these applications in the EGEE infrastructure

  → Review the applications deployment and results EGAAP

- EGAAP acted as an interface between EGEE and its potential users in the scientific community

EGAAP Membership

- **5 External Members**
  - Francesco Beltrame
  - Wofgang Hiller
  - Ladislas Hluchy
  - Vasso Kotroni
  - Brigitte Plateau
- **3 EGEE Members**
  - Malcolm Atkinson
  - Vicente Hernandez
  - Guy Wormser EGAAP CHAIR
- **5 Ex-officio**
  - Vincent Breton - NA4 manager
  - Roberto Barbera – NA4 Generic applications Manager
  - Christian Saguez – NA4 Industry Forum Coordinator
  - Bob Jones – EGEE Technical Director
  - Fabrizio Gagliardi – EGEE Project Manager

EGAAP Meetings

EGAAP met twice a year

- 1st meeting: CERN, 14 June 2004
- 2nd meeting: Den Haag, 25 November 2004
- 3rd meeting: Athens, 21 April 2005
- 4th meeting: Pisa, 27 October 2005
- 5th meeting: CERN, 3 March 2006

EGAAP terms of reference (1)

- **The EGAAP was in charge to:**

  - facilitate the deployment of potential new applications on the EGEE infrastructure

  - advise the Application team in EGEE on the allocation resources.

  - collect the necessary information about the application candidates, and to identify their needs to achieve this goal

- **The EGAAP made recommendations to that effect to:**

  - the NA4 management for allocation of the NA4 resources to the applications

  - the EGEE Projet Execution Board where the technical consequences of this new deployment were examined.

EGAAP terms of reference (2)

- **Criteria used for recommendations**

  - scientific interest of the proposed work, with particular emphasis on the grid added-value,
  - added value for EGEE to have such an application running on its infrastructure
  - coordination of the corresponding community,
  - grid-awareness of this community
  - minimum requirement that a small team followed the EGEE training, dedication of the community to this application,
  - agreement to the various EGEE policies and especially the security and resources allocation policies.

Procedures

- The Virtual Organisations should submit a request to have their applications deployed on the EGEE infrastructure.

- The proposal should be sent to EGAAP chair.

- The proposal should describe
  - the program of work of the Virtual Organisation,
  - its internal structure,
  - its technical contact points, their expertise and availability,
  - the training needs, etc.

Supported VOs

- **Astrophysics (MAGICS) – H. Kornmayer**
  - (store massive amounts of data with reduced manpower)
- **Earth Sciences** – M.Petitdidier, CNRS/CETP France
  - (satellite data, climate and to be included geophysics and hydrology)
- **Computational Chemistry – A. Lagana**
  - (Distributed software development of complex workflow)
- **Drug Discovery – Martin Hoffmann,** SCAI Fraunhofer Inst., Germany
  - (collaboration with industrial partners such as Novartis)
- **Cosmology (PLANCK) – Fabio Pasian**
  - (strong priority of ESA science programcollaboration with industrial partners such as Novartis)
- **GRACE – search engine**
  - (EU funded project, tested search engine on the GILDA testbed)

Supported VOs

Last supported projects

- **FUSION**
  - (partners in Spain, Russia or France have already a close support from EGEE partners in terms of manpower and expertise)
- **ARCHEOGRID**
  - (proposal that includes applications from human sciences)

EU Funded projects and EGEE

- **EELA , EUCHINA and EUMEDGRID**

These three projects are funded by the EU and started on January 1, 2006.

They all have foreseen two phases: import applications presently running on EGEE to the their local nodes (Latin America, China and North Africa) and export some new applications to EGEE.

EGAAP recommended general approval of the collaboration between EGEE and these three projects.

- **BIOINFOGRID**

an EU funded project starting in January 2006 with complementary objectives to those of the EGEE Bioinfomed pilot application. EGAAP recommended to approve official partnership between EGEE and BIOINFOGRID

- EGEE-II goal should be the diffusion of the grid usage throughout many more communities:

  "horizontal" diffusion, ie deploying applications from many diverse fields, and

  "vertical" diffusion, ie deepening Grid usage in already grid-aware communities with the ultimate goal that it becomes their every-day tool

EGAAP and EGEE-II

- The applications sector in EGEE-II will be more complex than in EGEE-I since four categories can be foreseen:

  i) Pilot applications

  ii) Legacy applications, ie EGAAP-approved applications during the EGEE-I phase

  iii) Partner applications, ie large projects funded by current or future EU calls for proposals which have expressed interest to run on EGEE and for which EGEE has written a letter of support

  iv) New applications, that can apply to EGEE-II, in a manner similar to the present EGAAP process.

EGAAP and EGEE-II

- EGAAP recommended that rights and duties for these different classes of applications be very well defined in EGEE-II.

- The process should involve an EGAAP-like committee, with the same kind of mixed membership, with reinforced external membership from various scientific communities. The separation between the advisory nature of such a committee and the operational aspects of the actual deployments should be kept, allowing of course for necessary intercommunication.

- BUT up to now the future of EGAAP within EGEE-II is unknown as it has not been described in the EGEE-II Technical Annex.