# EGEE Applications Registry

## Current status & latest developments

**http://appdb.eu-egee.org/**

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Information Society

# Scope

- **Main aim:**

  Acts as the central point for providing information on the scientific applications running on the grid infrastructure.

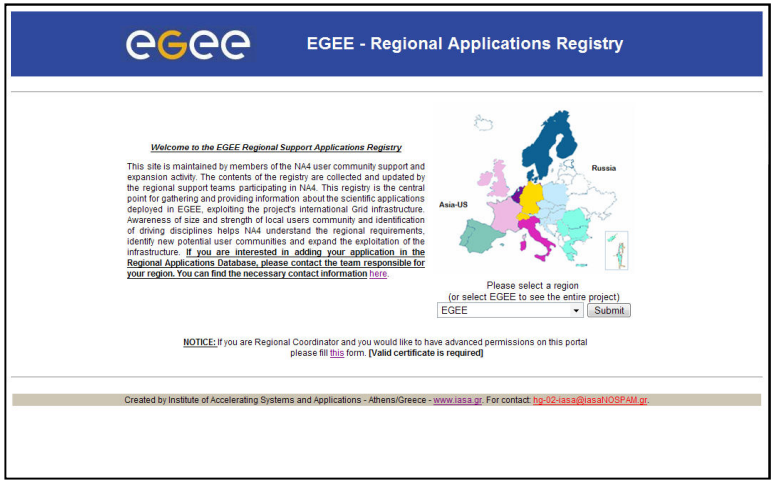
  This allows new or potential users to search for similar applications; it also facilitates the setup of new collaborations among different user communities.

- **Another perspective:**

  Awareness of size and strength of local users community and identification of driving disciplines helps EGEE to understand the user requirements, identify new potential communities and expand the exploitation of the infrastructure.

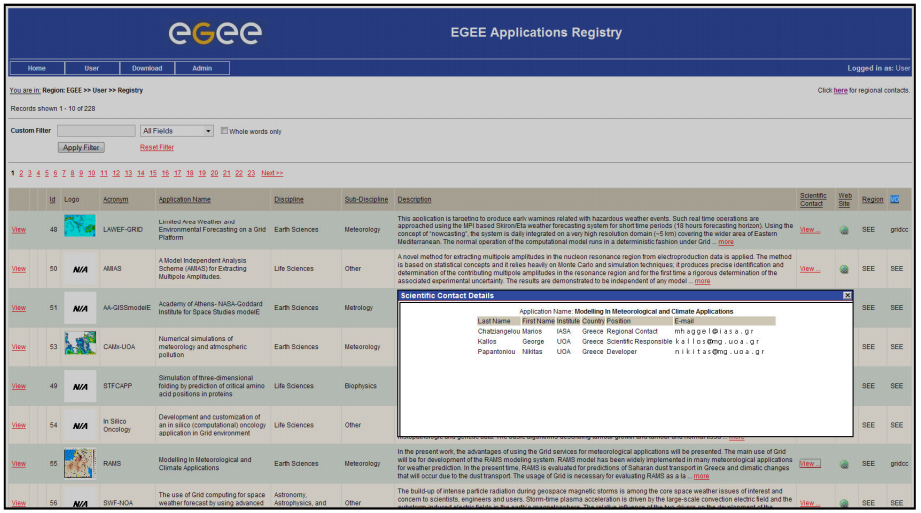
# Current Status (1)

- First released at October 2008, developed by GRNET/IASA team
- Provides a region-centric view of the applications database
- Covers every identified discipline within EGEE infrastructure, including:
  - Earth Sciences
  - Astronomy, Astrophysics, and Astro-Particle Physics
  - Life Science
  - Computer Science and Mathematics
  - Computational Chemistry
  - High Energy Physics
  - Fusion



# Current Status (2)

- For every registered application it provides information on:
  - Acronym
  - Application Name
  - Discipline
  - Sub-Discipline
  - Description
  - Scientific Contact(s)
  - Web Site (URL)
  - VO used

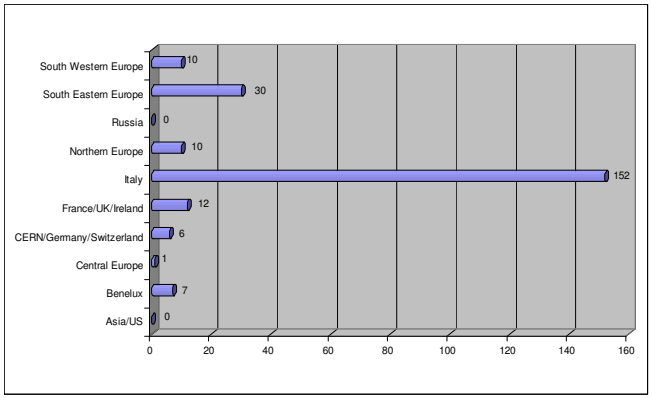



- Advanced searching mechanism
- Secure authentication mechanism for regional coordinators using X.509 digital certificates
- An advanced front-end, for regional coordinators, in order to insert, modify or delete applications

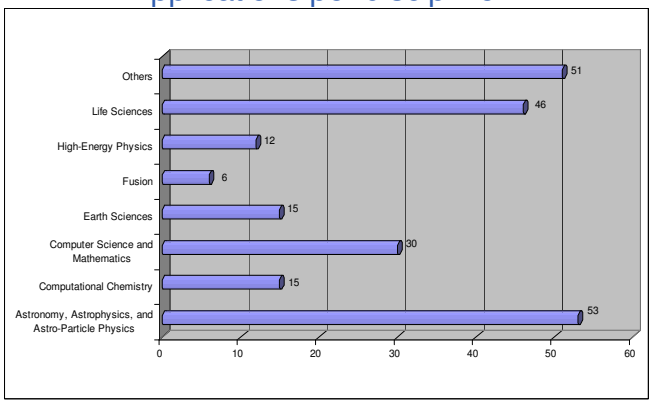
# Statistics

- Currently: almost **230** applications have been registered into the Applications Registry

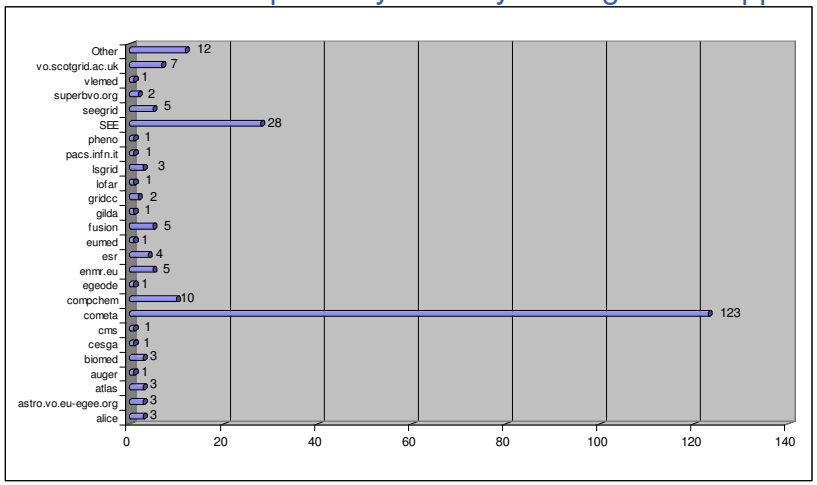
Applications per region




Applications per discipline

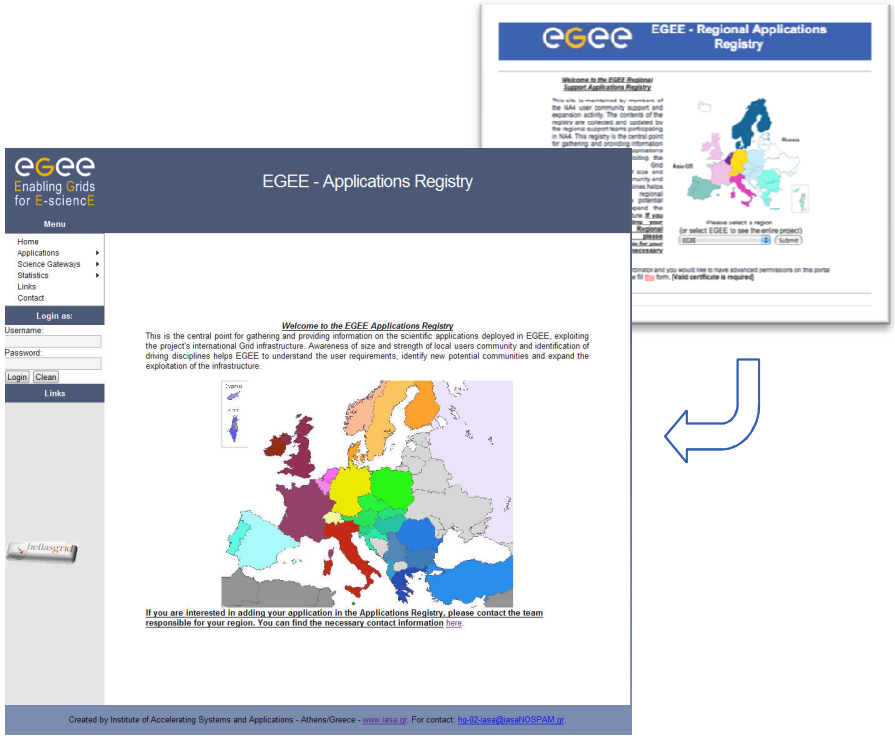



VO resources which are primarily used by the registered applications



# Latest developments

## The new/upcoming release of the Application Registry

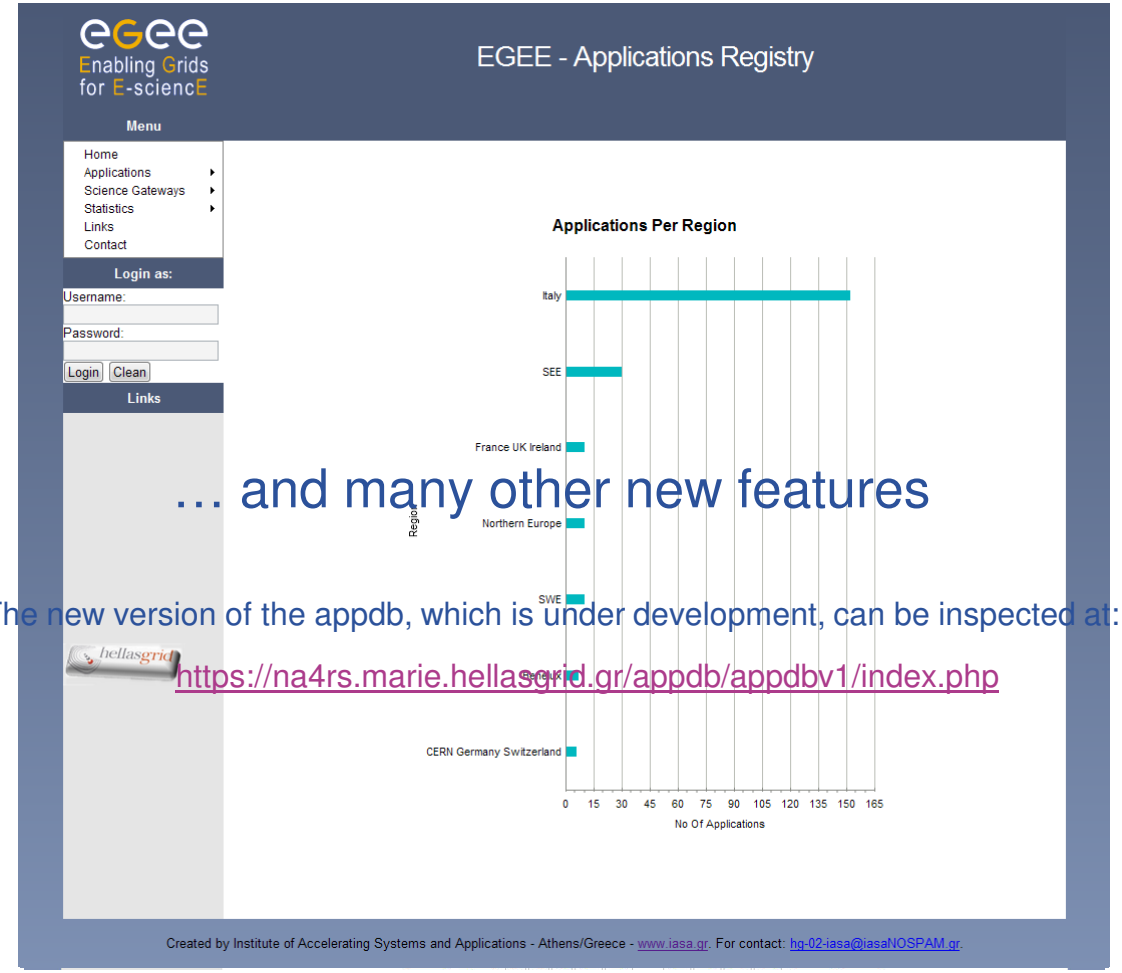


# The upcoming release

- The Applications Registry portal, is currently going through some significant improvements in order to adopt the upcoming **EGI/NGI** model
- Some new features:
  - Grouping the registered applications per NGI and per discipline (SSC)
  - Provision of advanced statistical information on the registered applications, such as:
    - Applications that are running on each identified scientific discipline (and/or SSC)
    - Statistics on the applications that are developed (or partially developed) by each NGI
    - Regional statistics
    - Sub-discipline statistics
    - Numerous other projections of information
  - More advanced front-end for the NGI representatives, for inserting or modifying information related to each registered application.

# A quick tutorial

[illegible]




… and many other new features

The new version of the appdb, which is under development, can be inspected at:

https://na4rs.marie.hellasgrid.gr/appdb/appdbv1/index.php

# More than an Applications Registry …

- Workflow: Application porting case studies

  Plans to enable a mechanism to provide written documentation of the porting process followed for each registered application.

  These applications will constitute a "**library of case studies**", which will be accessible through the Application Registry and will serve as a set of useful guidelines for the future porting of similar, or even different, applications.

  Requirement: We should have access to the necessary information needed for writing the case studies. Initial negotiations/proposals towards this direction have already started with the applications support representative.

# More than an Applications Registry …

- Workflow: Science Gateways/Portals registry

The Application Registry Portal could also act as a registry for the Science Gateways/Portals, which are being, or will be, developed within the identified scientific communities (SSCs).

This kind of development will be promoted within the communities of interest, in three possible ways:

- In a "**bulletin form**", through the Application registry portal.
- In a "**periodic updates form**" – through periodic informative emails
- In a "**news form**" – via the creation of discipline-based (and/or SSC-based) RSS channels

There are two assumptions for this:

- The actual design, build and maintenance of the Science Gateway/Portals will be part of the SSCs, and
- There will be one contact person per SSC; this person will be authorized to maintain the corresponding information into the database.

# Milestones of the new release

| | |
|---|---|
| Redesign of the users front-end | Done |
| Development of the users front-end | Almost done, it will be finalized in Nov09 |
| Redesign of the portal, in order to satisfy the requirements for the new admin interface (NGI-rep oriented) | Done |
| Development of the admin interface | It will be finalized in Jan10 |
| Gathering requirements for the "Application Porting Use Cases" workflow | Ongoing task. It will be finalized in Feb10 |
| Minor changes in order to satisfy the "Application Porting Use Cases" workflow | It will be ready, in the mid of Mar10 |
| Final tests - Release of the version 1.0 | April 2010 |
| Gathering requirements for the "Scientific Gateways/Portals registry" workflow | It is an ongoing task. It will be finalized in May10 |
| Major/significant changes in the code and the database in order to satisfy the "Scientific Gateways/Portals registry" workflow | During Jun10 |
| Final tests - Release of the version 2.0 | July 2010 |


Questions?