

The EPIKH Project



(Exchange Programme to advance e-Infrastructure Know-How)

The EPIKH Project and the Africa ROC

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The EPIKH Project

(www.epikh.eu)

- "Exchange Programme to advance e-Infrastructure **Know-How" (EPIKH)**
 - EU FP7- Marie Curie Actions People International Research Staff Exchange Scheme (IRSES)
- Consortium "numbers":
 - 23 partners;
 - 18 countries;
 - 4 continents (Europe, Africa, Asia, and Latin America);
 - 115 persons involved;
 - >650 researcher-months;
 - >500 secondments;
- **Duration: March, 1, 2009 February, 28, 2013** (48 months)
- EC contribution: 1,188,000 €





The EPIKH Partners

(http://wiki.epikh.eu/index.php?option=com_content&view=article&id=219&Itemid=228)





No. 22

EPIKH

The EPIKH goals

Strategic aims:

- Reinforce the impact of e-Infrastructures in scientific research defining and delivering stimulating programme of educational events, including Grid Schools and High Performance Computing courses;
- Broaden the engagement in e-Science activities and collaborations both geographically and across disciplines.

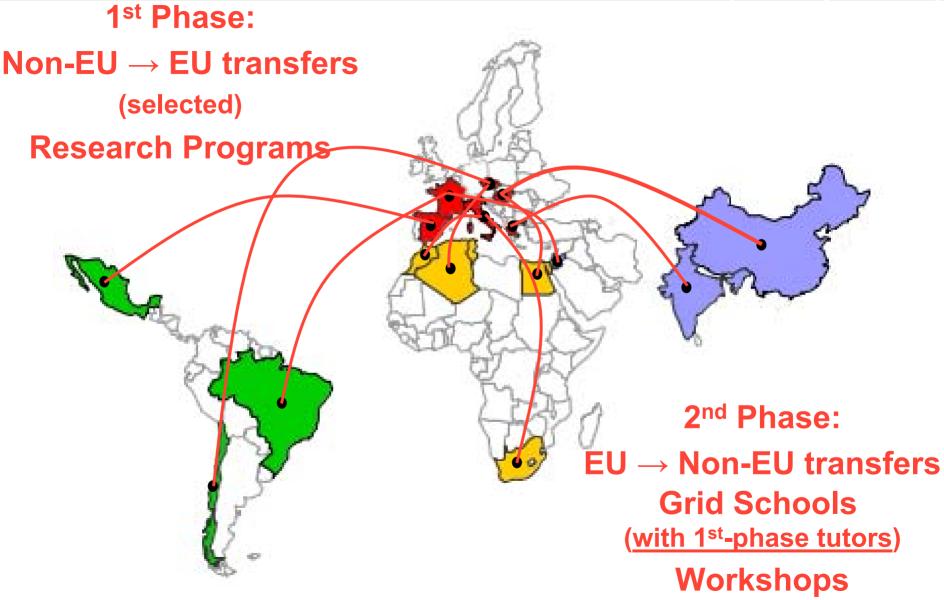
Specific actions:

- Spreading the knowledge about the "Grid Paradigm" to all potential users: both system administrators and application developers through an extensive training programme;
- Easing the access of the trained people to the e-Infrastructures existing in the areas of action of the project;
- Fostering the establishment of scientific collaborations among the countries/continents involved in the project.



EPIKH secondments' programme

(wiki.epikh.eu)

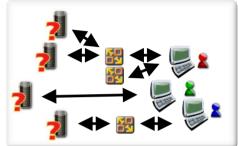




EPIKH Schools (1/2)

1-week tutorials for site administrators (with remote installations)



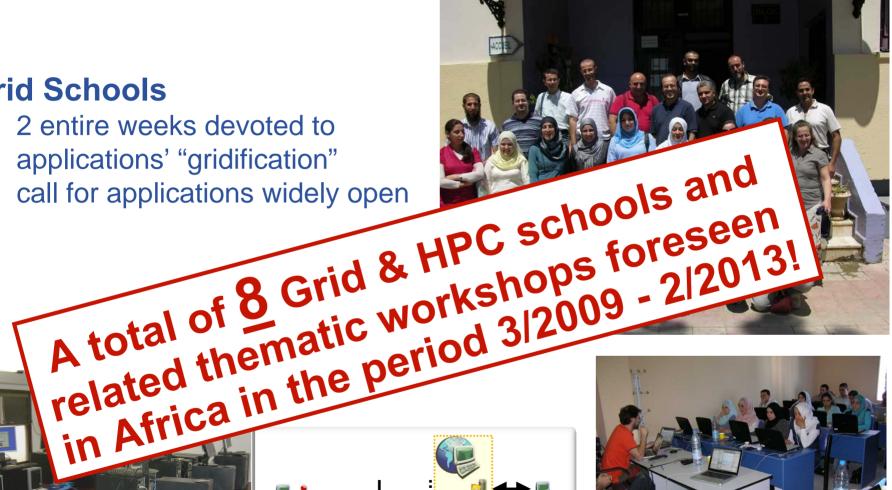




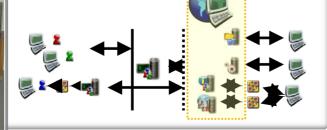
EPIKH Schools (2/2)

Grid Schools

2 entire weeks devoted to









Mission and "sponsors" of Africa ROC (http://roc.africa-grid.org)

- The Africa Regional Operation Centre (Africa ROC) has been created as a coordination and support point for all sites in the Continent wanting to participate in the stimulating and challenging endeavour of creating a common Grid infrastructure;
- Africa ROC is supported by many projects and initiatives:



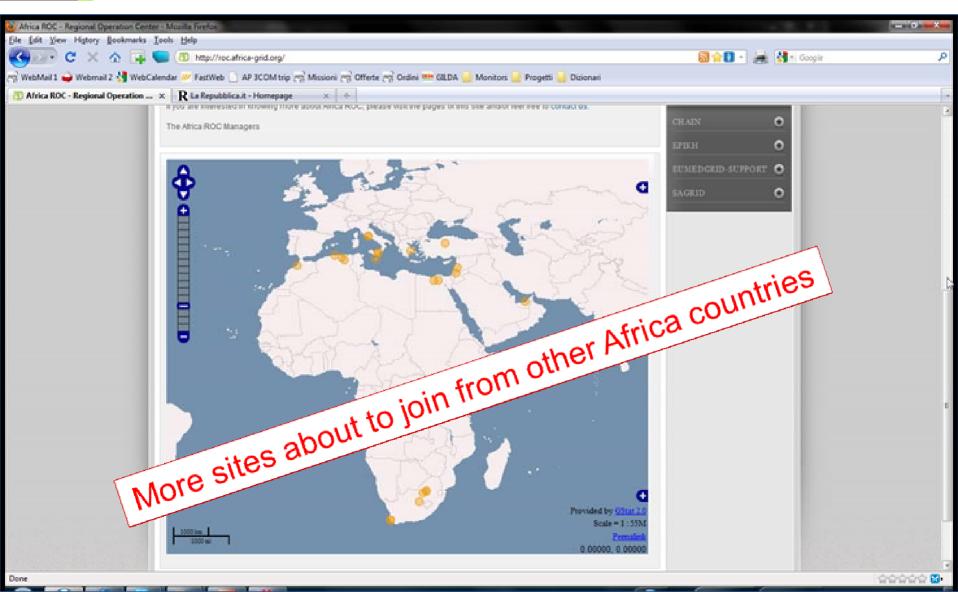








The Resource Centres participating



The Services provided

- Africa ROC currently offers the following services:
 - User Pages;
 - User support:
 - Instructions about how to join;
 - Documentation;
 - Site Manager Pages:
 - Site installation and troubleshooting procedures;
 - Virtual Organisations supported:
 - Information on the Virtual Organisations authorized to use the e-Infrastructure;
 - Grid Services list:
 - List of available Grid services (User Interfaces, Computing Elements, Storage Elements, etc.);
 - Monitors of the e-Infrastructure:
 - GStat;
 - Real Time Monitor.



Summary and conclusions

- EPIKH can represent for young brilliant scientists and technologists a unique occasion to learn and adopt the Grid paradigm through stimulating research programmes;
- EPIKH can offer free technical support for anyone willing to organize local training events on Grid computing:
 - It can be undergraduate courses, M.Sc. courses, Ph.D. curricula, tutorials, Grid Schools, etc.;
- Thanks to EPIKH, large projects → NGIs → campuses can easily setup Grid infrastructures and deploy on them scientific applications;
- EPIKH is complementing the training activities of several EU projects ensuring coherence of action and increasing impact.



Useful information

Web page	Address
Home page	www.epikh.eu
Wiki pages	wiki.epikh.eu
Events	agenda.epikh.eu
Documents	documents.epikh.eu
GILDA training infrastructure	https://gilda.ct.infn.it
Training material	https://grid.ct.infn.it/twiki/bin/view/GILDA/WebHome
Open call for grants	http://wiki.epikh.eu/index.php? option=com_wrapper&view=w rapper&Itemid=108