



E-science grid facility for
Europe and Latin America

CHAIN Proposal v0.1

EELA-2 compilation

CERN e-Infrastructure projects Meeting (03.04.2009)





CHAIN Proposal (Objectives / Vision)

- **Objective**
 - Design study of the collaboration scheme between EGI and external Grid infrastructures.
 - Proposal for the implementation of the scheme.
- **Time scale**
 - Transition period from EGI start early 2010 (also end of several Grid-related projects) to typically 2011.
- **Vision / Facts** (*from the common "Input to EC programme"*)
 - "It is clear from the current projects that one cannot revert to a European-only model since many of the user communities currently supported are already of a global dimension"
 - "Ongoing efforts of inter-projects coordination and collaboration are converging and deemed to be supported".
 - "There is an enormous variation in the level of maturity and organisational models of the regional Grid which want to contribute to EGI"



CHAIN Proposal (Mission / Model)

- **Mission**

- Ensure a successful long-term collaboration of EGI with external Grid Infrastructures (especially current, soon-ending EGEE sister projects) by :
 - Supporting / Accompanying the progressive creation, maturation of NGIs, and of possible other International Grid Initiative (e.g. LGI in Latin America)
 - Supporting / Accompanying the ramp-up of the interaction with other (non-NGI) regions
 - Accompanying the organization of scientific domain specific collaborations (VOs)

- **Model**

- In a single project deal with the transition phase ALL Regional Grids
- Appointing EGI Europeans partners acting as tutors / advisors of several countries / regions
- Two types of support
 - General support
 - *Dissemination & Training*
 - *Standard operational tools & procedures*
 - *Basic Interoperability & new services (RESPECT)*
 - *Policies*
 - *Community-based coordination*
 - Specific support depending of the regional grid's maturity and immediate goals



CHAIN Proposal (Partners)

- **Potential Tutors / Advisors**

- France for Africa (sub-Sahara)
- Greece for SEE (e.g. Georgia, Azerbaijan, Armenia, etc.)
- Italy for Asia (with Czech & Taiwan ?), China, India and Mediterranean
- Spain and Portugal for Latin America and the Caribbean
- TBD for USA, Russia, Japan, etc.
- Possibly another independent European country to represent EGI or **EGI itself**.
- Another 2-3 partners from each of the different regions could also be involved with much smaller funding.

- **Selection of Partners**

- EGI representative
- EU partners (Tutor's country essentially?)
- Regional Grids
 - Selection based on:
 - *Appointment by the Regional Initiative*
 - *Highest available regional structure(s): NGI, IGI*
 - *Motivation, experience, means of potential partners*
 - Limit the number of partners per regional grid ?
- Need to evaluate the regional grid beforehand (e.g. through NGI metric) ?
- No Specific community partners (rather handled by EU NGIs) ?



CHAIN Proposal (Grouping)

- **Possible grouping per Infrastructure maturity level**
 - Regions completely green field to be supported from scratch
 - List: **Sub-Saharan Africa countries**
 - Specific support: Training periods in Europe, catch-all ROC,..
 - Regions already at a good / promising level needing support in the management of operations
 - List: **Mediterranean, LA & Caribbean countries**
 - Specific support: Training locally, catch-all ROC, Interoperability..
 - Advanced countries / regions already autonomous but willing to interoperate
 - List: **China, India, USA, Japan, etc.**
 - Specific support: Interoperability, community-based services ?



CHAIN Proposal (Type, Funding)

- **Project type**
 - SSA versus I³ ?
- **Funding scheme**
 - European versus Others ?
 - General support
 - Per activity
 - Specific
 - Per type of Regional Infrastructure ?
 - Per type of support ?
- **Budget and duration**
- **Which call (6 or 7)**
 - INFRA-2009-1.2.x ICT based e-Infrastructures (grid infrastructures, virtual research communities)
 - INFRA-2009-3.2 Studies, conferences, coordination actions supporting policy development, incl. international cooperation, for e-Infrastructures
 - INFRA-2010-1.2.1 ICT based e-Infrastructures (scientific data infrastructures)