



European Grid Initiative



e-infrastructure

Establishment of the EGI

or

What happens after EGEE-III?

Jürgen Knobloch/CERN

History

- Starting nearly two years ago, CERN has prepared the ground (nickname: EGO) to create a sustainable infrastructure in Europe with the vision of transferring the know-how and the responsibility for a global e-infrastructure into a new organization independent from CERN. CERN has also offered to host this new organization at least initially, to facilitate a smooth transition from present CERN-led operations.
- CERN's proposal was well received and following a large information campaign initiated via EGEE, which included visits to many countries, the idea is now generally accepted. Supported by the position of e-IRG, the EU has now opened as part of FP7 a call for design studies with EGI in mind. Although CERN has proposed to lead the design project, the recent choice by the majority of the EGI preparation team was different. CERN accepts this and it does not change CERN's position as far as the need for a sustainable e-infrastructure is concerned.

CERN position

- CERN must ensure that the needs of the LHC community are fully taken into account. This means first of all that CERN expects that the future EGI will gradually take over, together with the NGIs, the responsibility for the operation presently provided by EGEE, the software integration, certification and distribution, as well as the required support and training. While global coordination is important, it is not sufficient and EGI will have to provide reliable long-term services until such services can be obtained from industry. CERN also sees a role for EGI in the coordination of future middleware developments and in standardization as described in the vision paper prepared for the February 2007 workshop in Munich.
- The EGI project must help to ensure that National Funding will take over a large fraction of the EU funding for operations, which is expected to run down with time.

EGI Design Study

Goal:

- Conceptual setup and operation of a new organizational model of a sustainable pan-European grid infrastructure

Chronology:

- **February 26-27:** EGI Workshop in Munich
- **May 2:** Proposal submitted to the EC for funding within FP7-INFRA-2007-1, 1.2.1 Design Studies
- **September 1:** Project start (if approved)
- **September 27:** End of negotiations with EC
- **October 2:** EGI workshop in Budapest

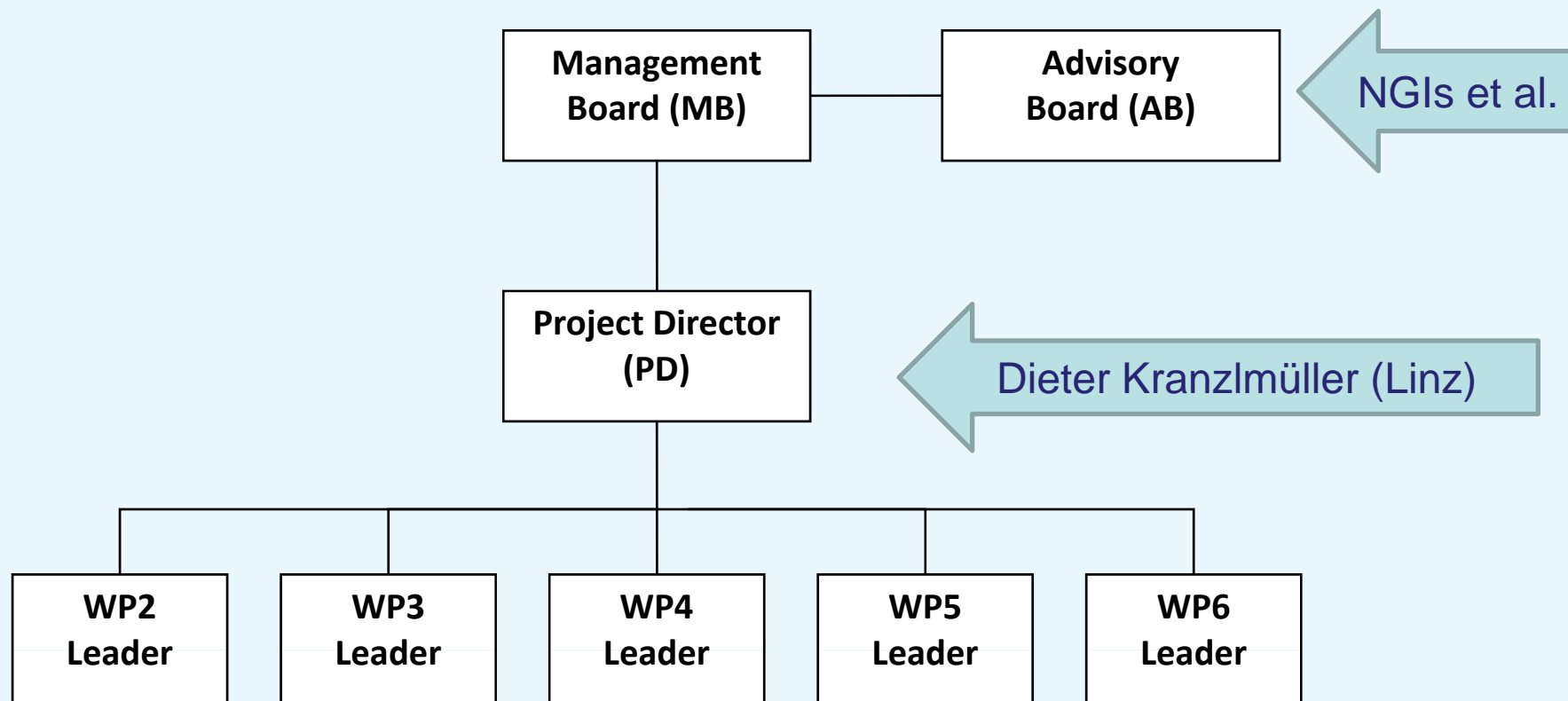
- Person months: ~300

EGI Preparation Team

Members:

- Johannes Kepler Universität Linz (GUP)
- Greek Research and Technology Network S.A. (GRNET)
- Istituto Nazionale di Fisica Nucleare (INFN)
- CSC - Scientific Computing Ltd. (CSC)
- CESNET, z.s.p.o. (CESNET)
- European Organization for Nuclear Research (CERN)
- Verein zur Förderung eines Deutschen Forschungsnetzes - DFN-Verein (DFN)
- Science & Technology Facilities Council (STFC)
- Centre National de la Recherche Scientifique (CNRS)

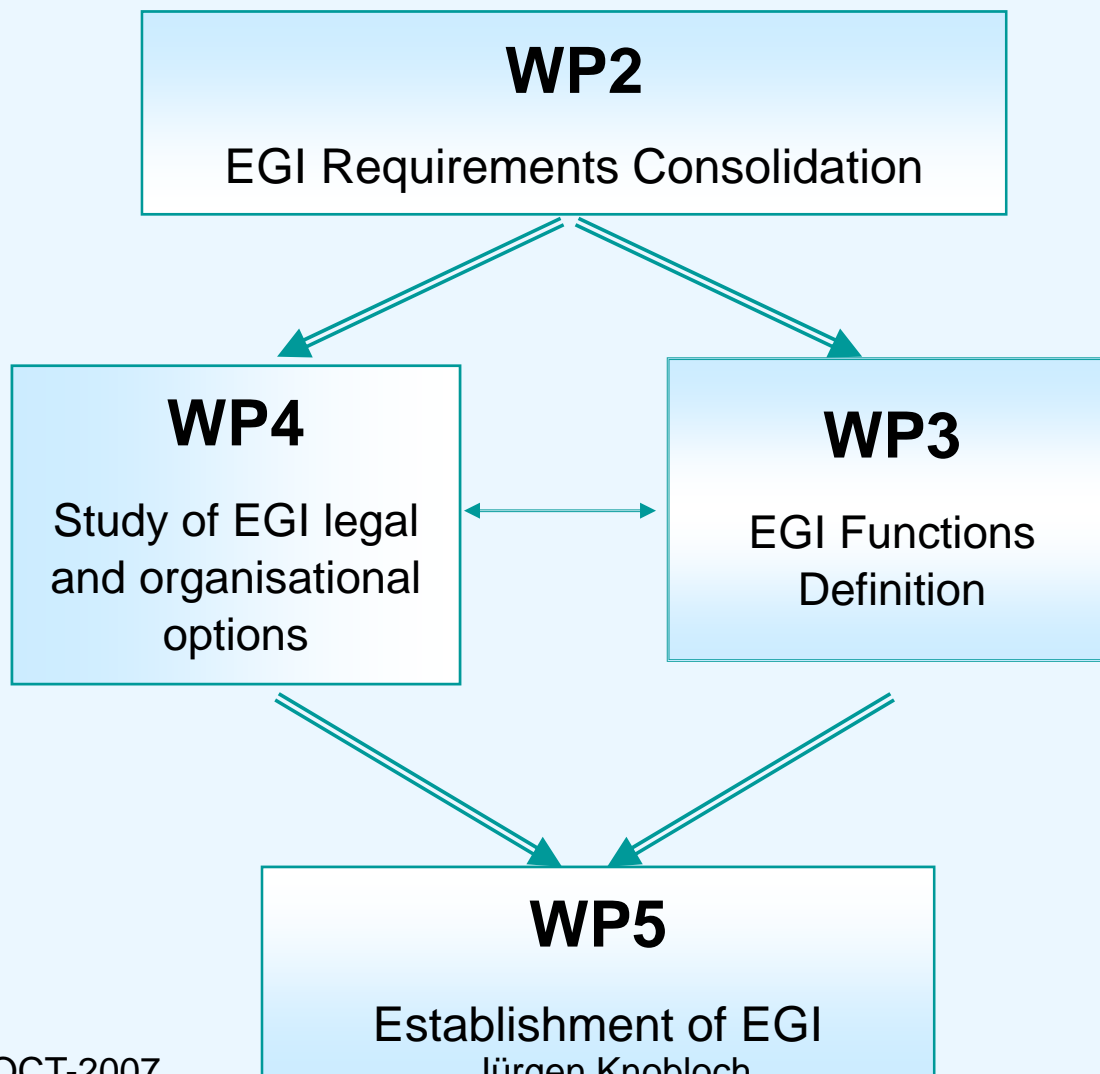
Management Structure



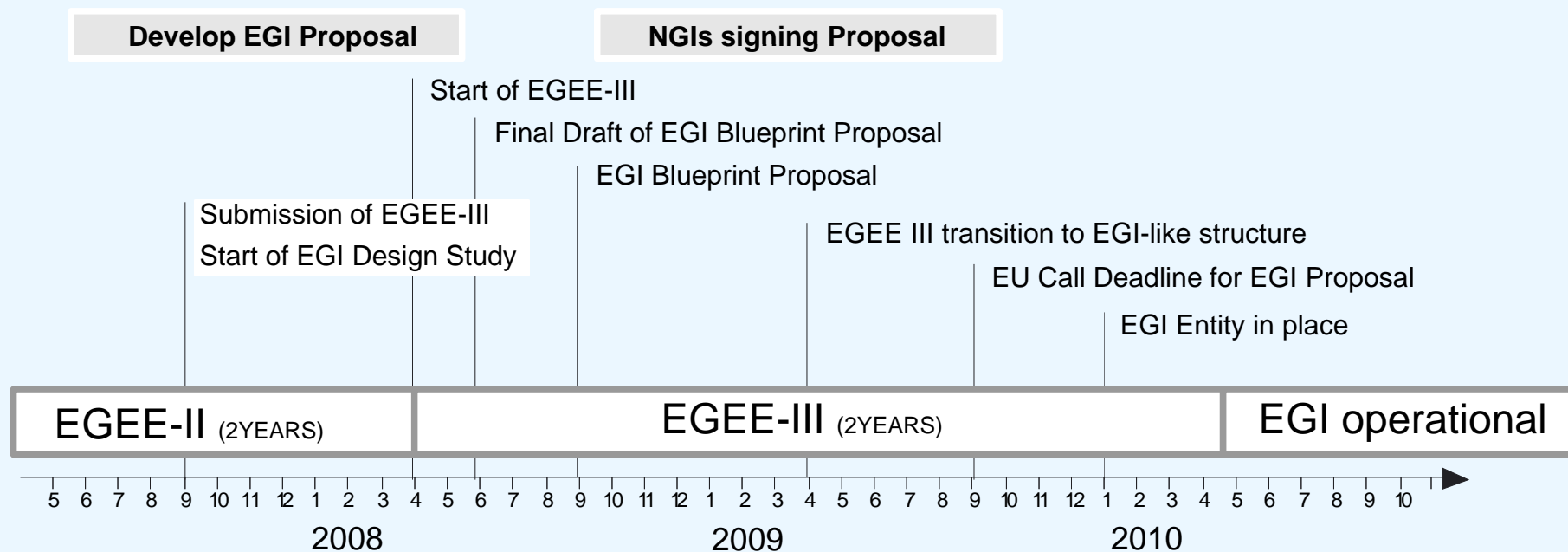
Work Packages

No	Work package title	Lead by	Person-months	Start month	End month
WP 1	Project management	Dieter Kranzlmüller GUP	32,25	1	27
WP 2	EGI Requirements Consolidation	Fotis Karayannis, GRNET	30	1	4
WP 3	EGI Functions Definition	Laura Perini INFN	92	1	15
WP 4	Design Study of EGI Legal and Organisational Options	Beatrice Merlin CNRS	59	1	15
WP 5	Establishment of EGI	Jürgen Knobloch CERN	48	5	27
WP 6	EGI Promotion and Links with Other Initiatives	Per Öster CSC	38	1	27
	TOTAL		299,25		

WP Relationships



Schedule



- **March 2008 (M7):**
2nd EGI Workshop (Responsible partner: INFN)

Scope of WP5

- Objectives
 - Generate with WP3 and WP4 the “blueprint” which will serve to establish EGI
 - Get the Organization and its Conventions ratified by a significant majority of European States
 - Prepare and start the transition from EGEE to EGI
- Description of work
 - WP5 will be based on the results from WP2, WP3 and WP4 and, if needed, direct investigations. It is vital that the process for establishing EGI completes successfully at least 3 months before the end of EGEE-III, anticipated to be March 2010. WP5 will therefore span **23** months starting in **January 2008**, not counting preparatory work done outside the project.

Tasks of WP5

The main tasks will be

- Establish the convention of the organisation (CERN)
- Get the convention agreed by a majority of European NGIs (all)
- Maintain the relationship with the EC in view of supporting EGI (CERN and GUP)
- Initiate and complete the ratification process with the NGIs willing to join EGI (all)
- Incorporate the organisation (CERN)
- Initiate and complete the hand-over from major RI-project (e.g. EGEE) operations (all)

The preparation work will be done mostly by the lead partner CERN, but almost all partners will contribute to obtain the agreement from the NGIs and during the ratification process.

Project Status

- Submitted “Description of Work” and “Grant agreement Preparation Forms” to EU
- Project started 1 September 2007
 - Waiting for approval
- Development of an NGI knowledge base
- Collected use uses (NGIs, EGEE, ...)
- Elected chair of advisory board:
 - Gaspar Barreira (Portugal)

Upcoming

- **Dec 2007:**
 - D2.1 – EGI consolidated requirements and use cases
- **Feb 2008:**
 - D4.2 – Options analysis of different legal structures
- **Mar 2008:**
 - D5.1 – Draft definition of EGI organization
 - D5.2 – Draft convention of new EGI organization
 - M3.1 – **Next EGI Workshop** –
„List of EGI functions and working model“
- **Apr 2008:**
 - D4.3 – Guidelines for NGIs
- **June 2008:**
 - M4.1 – EGI Blueprint publication