

# **EELA Project and tutorials: A brief overview**

Rogério L. Iope

1<sup>st</sup> SPRACE Workshop

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# The EELA Project - Overview

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- EELA aims to establish a pilot e-infrastructure between Europe and Latin America with a clear emphasis on
  - dissemination activities
  - integration between LA Grid initiatives and european counterparts
- A bidirectional project: Latin America and Europe
- 21 partners distributed in 10 countries
- EU funding over 2 years (Jan 01, 2006 to Dec 31, 2007)
- Main purposes
  - Build a bridge between consolidated e-Infrastructure initiatives in Europe and emerging ones in Latin America
  - Reinforce collaboration between Latin America and Europe

# EELA Project - Objectives

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- Objective 1
  - Establish a human collaboration network between Europe and Latin America
    - Setting up the structure of the collaboration network
    - Establishing adequate support mechanisms
    - Adopting policies regarding the shared use of e-Infrastructure
    - Evaluating new areas of collaboration and relevant partners, both in Europe and Latin America
- Objective 2
  - Build a pilot e-Infrastructure in Latin America
    - Implementing basic mechanisms for an interoperable e-Infrastructure, adopting a security policy, establishing Certification Authorities and defining basic tools middleware
    - Setting up a Pilot Testbed, establishing Virtual Organizations and supporting application developers and users
    - Supporting advanced network services

# EELA Project – Objectives (cont)

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- Objective 3
  - Promote a sustainable framework for e-Science
    - Identifying research communities and applications
    - Supporting dissemination efforts
    - Coordinating participation in possible new projects
    - Defining a map for a future consolidated e-Infrastructure in LA

# EELA Project - Partners

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- Europe
  - Italy: INFN
  - Portugal: LIP
  - Spain: CIEMAT (coordinator), CSIC, RED.ES, UC, UPV
- International organizations
  - CERN
  - CLARA
- Latin America
  - Argentina: UNLP
  - Brazil: CECIERJ/CEDERJ, RNP, UFF, UFRJ
  - Chile: REUNA, UDEC, UTFSM
  - Cuba: CUBAENERGIA
  - Mexico: UNAM
  - Peru: SENAMHI
  - Venezuela: ULA

# EELA Project - Budget

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- Total Budget: 2568.32 K€
- EC contribution: 1700.00 K€
- Special CIEMAT funds for LA: 400.00 K€
- Partners contribution: 468.32 K€

# EELA Project - Human resources

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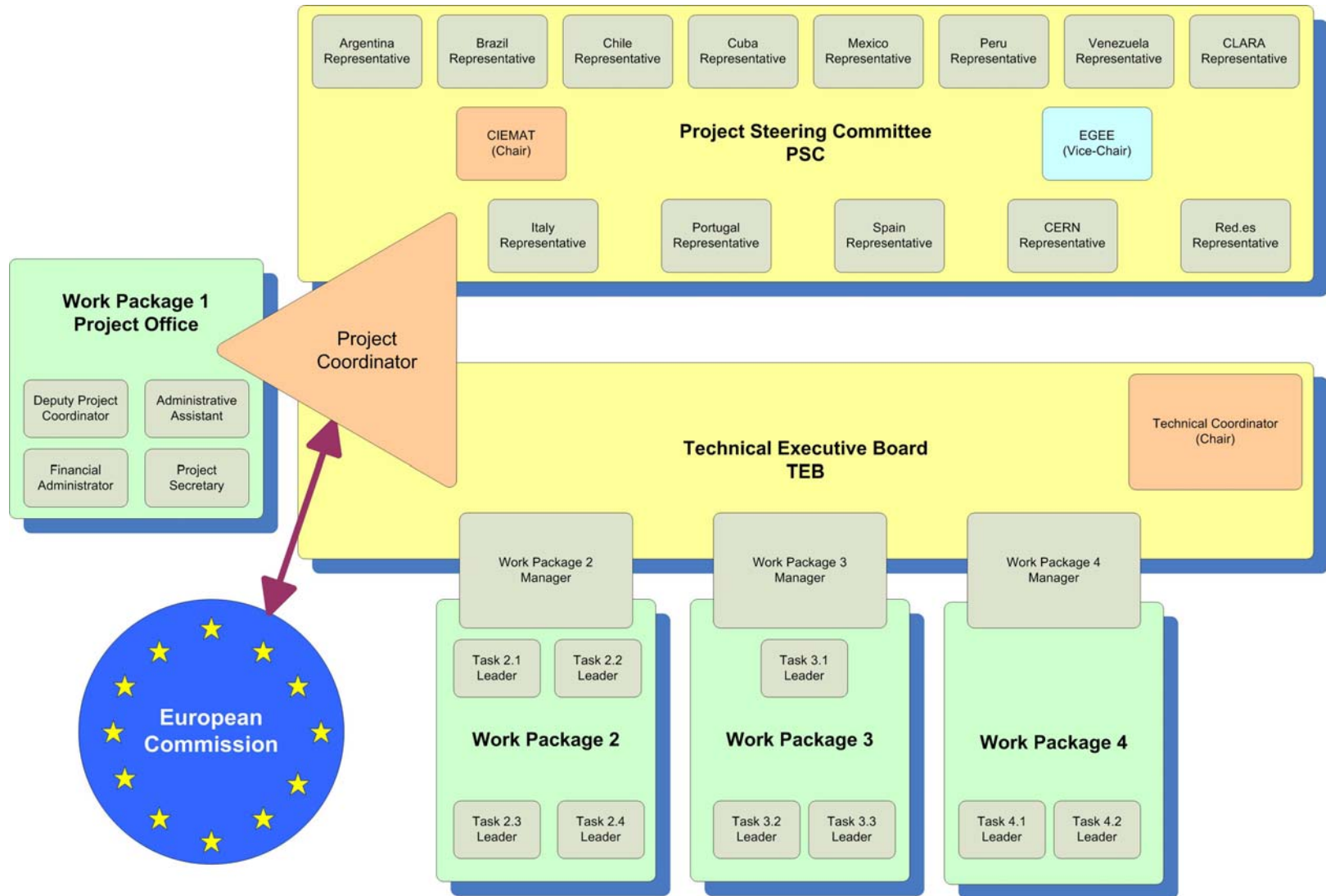
<b>WP</b>	<b>Work package title</b>	<b>Lead contractor</b>	<b>Person-months</b>	<b>Deliverable No</b>
1	Project administrative and technical management	CIEMAT	29	7
2	Pilot Testbed Operation and Support	UFRJ	297	12
3	Identification and support of grid enhanced applications	CIEMAT	576	8
4	Dissemination activities	INFN	207	11
	<b>TOTAL</b>		<b>1109</b>	

# EELA Project - e-Infrastructure





# EELA Project - Management structure



# EELA Project - Work Packages

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- WP1: Project administration and technical management
  - Manager: CIEMAT
- WP2: Pilot Testbed operations and support
  - Manager: UFRJ
- WP3: Identification and support of Grid enhanced applications
  - Manager: CIEMAT
- WP4: Dissemination activities
  - Manager: INFN

# EELA Project - Workshops & Tutorials

## EELA Conferences and Workshops

### Events in this category:

▼ 2007

June

25   [Second EELA Conference \(joint with the BELIEF Conference\)](#)

May

28   [Sixth EELA Workshop](#)

March

29   [Fifth EELA Workshop](#)

05   [Fourth EELA Workshop](#)

February

27   [First EELA, EUChinaGrid and EUMedGrid Projects' Review](#)

January

11   [Third EELA Workshop](#)

▼ 2006

September

04   [First EELA Conference](#)

June

24   [Second EELA Workshop](#)

April

24   [First EELA Workshop](#)

January



30   [EELA Kick-Off Meeting](#)

## Tutorials

### Events in this category:

▼ 2007

July

30   [Second EELA Grid School \(EGRIS-2\)](#)

May

07   [10th EELA TUTORIAL \(USERS AND SYSTEM ADMINISTRATORS\)](#)

March

06   [9th EELA TUTORIAL \(USERS AND SYSTEM ADMINISTRATORS\)](#)

▼ 2006

December

11   [8th EELA Tutorial for Users](#)

04   [First EELA Grid School \(EGRIS-1\)](#)

November

29   [First EELA ROC-on-Duty Tutorial](#)

07   [7th EELA TUTORIAL \(USERS\)](#)

October

16   [6th EELA TUTORIAL \(USERS AND SYSTEM ADMINISTRATORS\)](#)

September



06   [5th EELA TUTORIAL \(USERS\)](#)

August

28   [4th EELA TUTORIAL \(USERS AND SYSTEM ADMINISTRATORS\)](#)

June

26   [3rd EELA TUTORIAL \(USERS AND SYSTEM ADMINISTRATORS\)](#)

22   [INFORMAL UNLP/EELA TUTORIAL \(USERS\)](#)

April

27   [2nd EELA TUTORIAL \(USERS\)](#)

February

20   [1st EELA TUTORIAL \(USERS AND SYSTEM ADMINISTRATORS\)](#)

# 3rd EELA tutorial - brief overview

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- June 26 - 30, 2006 → Rio de Janeiro, Brazil (UFRJ)
- Links
  - <http://documents.eu-eela.org/>
  - <http://indico.eu-eela.org/>
  - <http://roc.eu-eela.org/>
- Tutorial for users - Day 1
  - Introduction to EELA
  - Overview of the gLite middleware
  - Authorization and authentication in gLite
  - The gLite Information System
  - The GILDA t-infrastructure
  - Hands-on on security
  - Hands-on on Information System

# 3rd EELA tutorial - brief overview

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- Tutorial for users - Day 2
  - Architecture of the gLite WMS
  - Hands-on on WMS
  - Architecture of the gLite DMS
  - The GENIUS Grid Portal
  - Hands-on on R-GMA
  - Hands-on on data management
  - Hands-on on GENIUS
- Tutorial for users - Day 3
  - Special jobs
  - The AMGA metadata catalogue
  - Hands-on on AMGA
  - Installation and configuration of a gLite 3.0 User Interface
  - Hands-on on users' applications

# 3rd EELA tutorial - brief overview

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- Tutorial for managers - Day 1
  - Introduction to the tutorial for site managers
  - User interface installation and configuration
  - Hands-on: reinstallation of services by participants
  - BDII server installation and configuration
  - Hands-on: reinstallation of services by participants
  - WMS + LB server installation and configuration
  - Hands-on: reinstallation of services by participants
  - CE + WN installation and configuration
  - Hands-on: reinstallation of services by participants

# 3rd EELA tutorial - brief overview

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- Tutorial for managers - Day 2
  - SRM installation and configuration
  - LFC server installation and configuration
  - Hands-on: reinstallation of services by participants
  - FTS server installation and configuration
  - Hands-on: reinstallation of services by participants
  - RGMA server installation and configuration
  - Hands-on: reinstallation of services by participants
  - AMGA server installation and configuration
  - Hands-on: reinstallation of services by participants
  - VOMS/MyProxy server installation and configuration
  - Hands-on: reinstallation of services by participants

# EELA Project - network usage

## Network traffic between Brasil and Spain

