



E-infrastructure shared between Europe and Latin America

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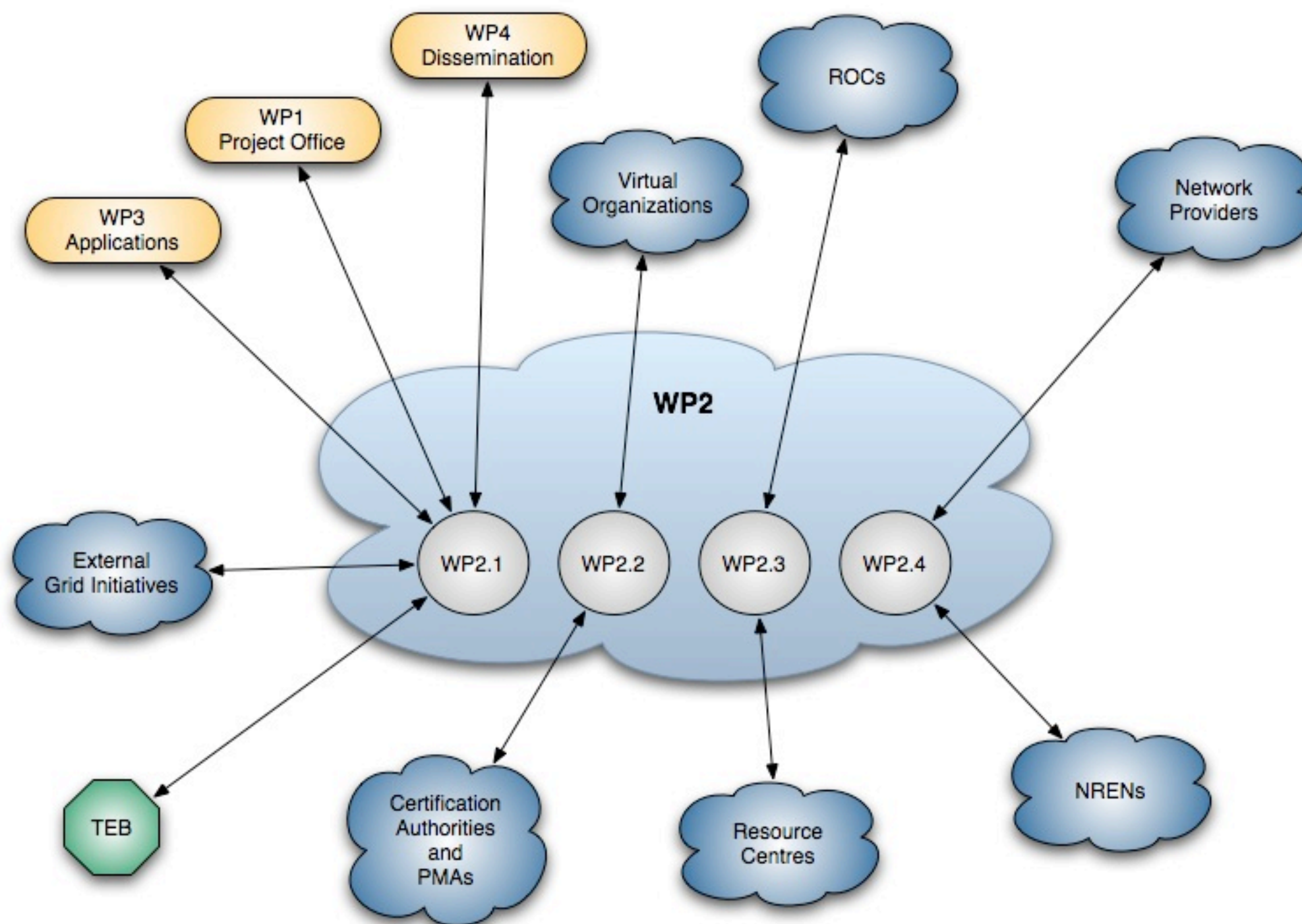
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- **Geographic scope: bi-regional project (Europe and Latin America)**
- **21 partners distributed in 10 countries (3 EU + 7 LA)**
- **Goals**
 - Establish a human collaboration network between Europe and Latin America
 - Build a pilot e-Infrastructure in Latin America (interconnected with European partners)
 - Promote a sustainable framework for e-Science
- **Specific Support Actions, Activities or Work packages**
 - WP2: Pilot Testbed operations and support
 - WP3: Applications
 - WP4: Dissemination

- **Goals**

- 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
- Implementing basic mechanisms for an interoperable e-Infrastructure, adopting a security policy, establishing an LA Public Key Infrastructure (classic Certification Authorities) and defining basic tools middleware
- Setting up a Pilot Testbed, Operations and Support infrastructure.
- Establishing Virtual Organisations and supporting application developers and users
- Supporting advanced network services
- Defining a map for a future consolidated e-Infrastructure in LA



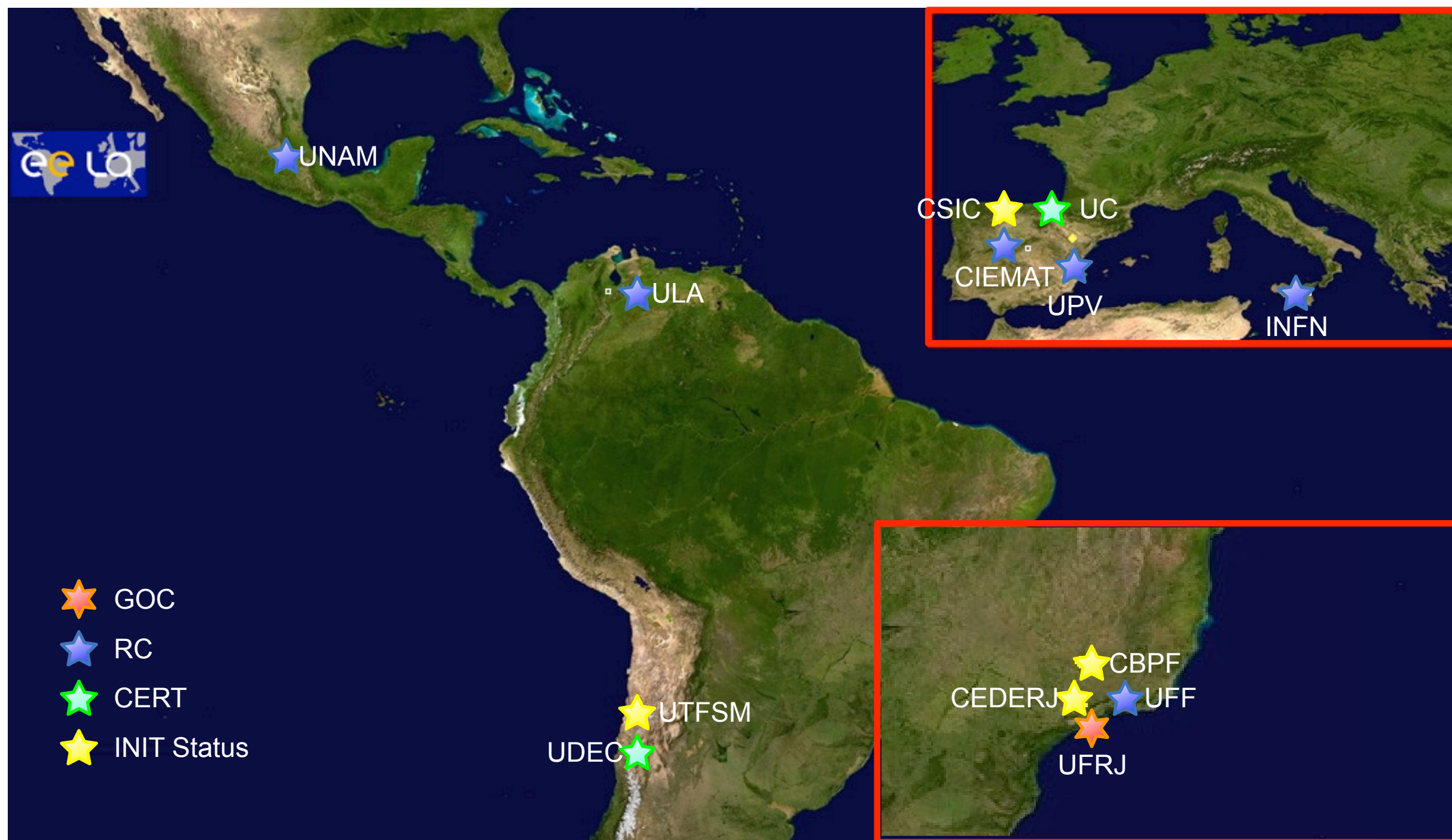
- **CA strategy**

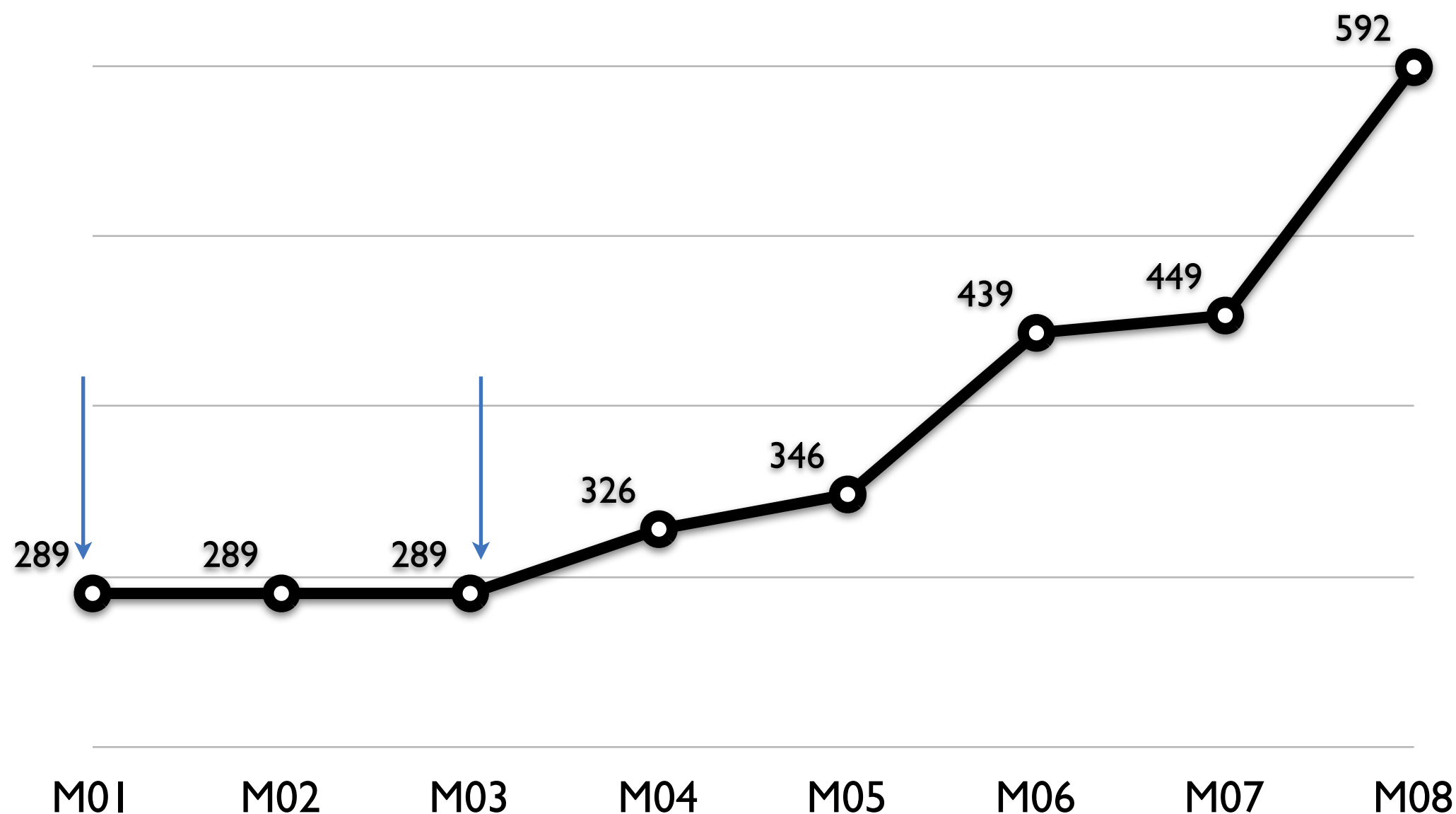
- Type: Very aggressive (new course after month Zero: TAGPMA)
 - Selection of one potential CA manager per country before the KoM
 - Training of them during the KoM
 - Imposing a very tough internal CP/CPS revision before submitting to TAGPMA
- Result: Success
 - Four National and one Catch All accredited by TAGPMA (M07)
 - One National in accreditation process
 - Other National in embryonic stage

- **RCs integration strategy**
 - pre-KoM strategy - Type: aggressive
 - Focussing on CIEMAT, INFN-CATANIA , UFRJ and UFF (TA commitment)
 - Profiting from previous know-how
 - Targeting on: KoM demonstration and infrastructure testing (middleware, network, applications, dissemination)
 - Middleware: LCG
 - Result: Success
 - 289 CPUs running before month Zero (4 RCs)
 - Enough information for WP2 Master Plan
 - Development of a human network
 - M07 milestone achieved 7 months before (important for team moral)

- **RCs integration strategy (continuation)**
 - after KoM strategy - Type: spontaneous
 - Focussing on integration of all committed resources
 - Profiting from WP4 training activities
 - Targeting on creation of policies, procedures, communication channels, etc
 - Supporting HEP VOs ASAP (“validation VOs”)
 - Middleware: gLite
 - Result: medium success
 - 13 RCs (EELA Production or Certification quality), 592 CPUs
 - Very hard to find skilled people
 - Besides induction training: need a specific Resource Centre Operation training
 - Need to improve operations capabilities

EELA Pilot infrastructure Operational





Evolution of EELA Computing Power (number of processors)

- **EELA and EGEE relations**
 - EELA GOC could be a EGEE LA ROC
 - EELA and EGEE agree (good start)
- **LA ROC strategy**
 - Co-ordinated by EELA GOC but Distributed by nature (On-Duty)
 - Selection based on:
 - EELA HEP partners (production needs)
 - Human resources availability
 - At least two different time zones (same day around the clock)
 - Massive training
 - Phase One: EELA only
 - Phase Two: progressive commitment

Thank you!

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