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# EGEE

## Enabling Grids for E-science in Europe

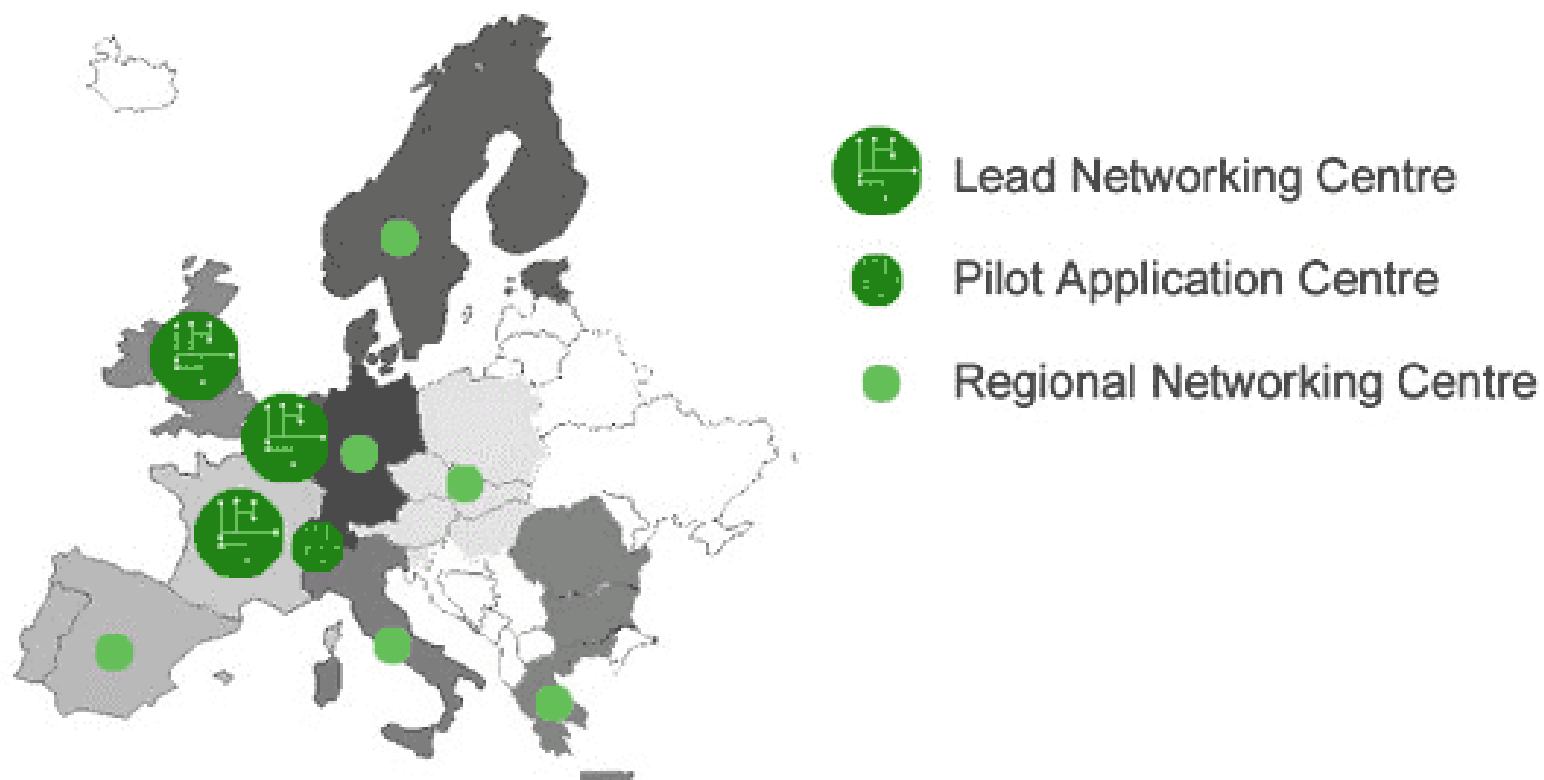


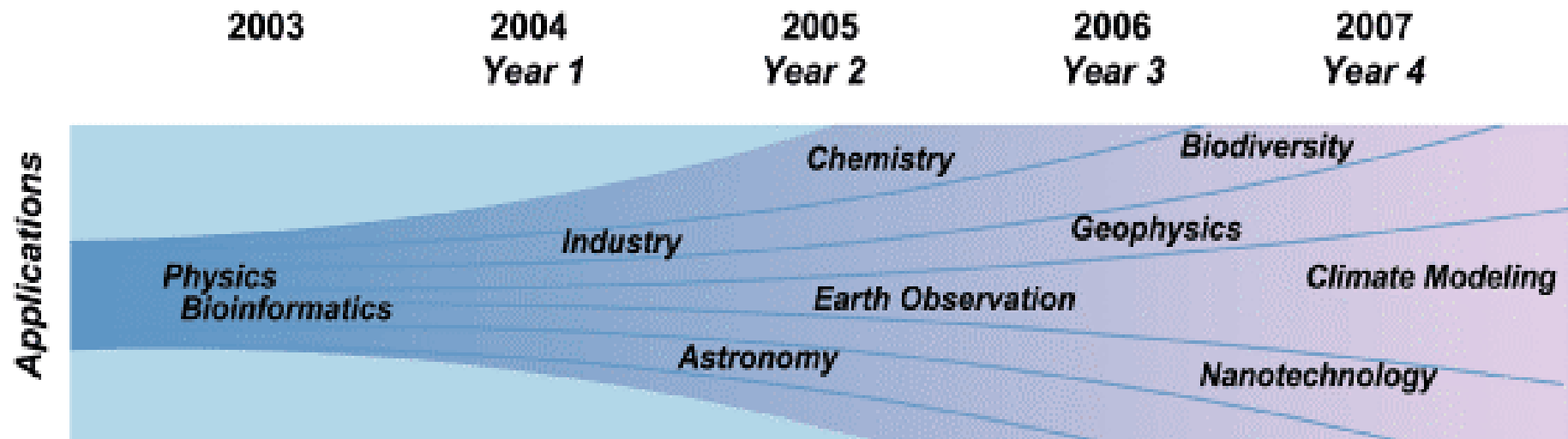
EGEE is proposed as a project funded by the  
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# EGEE Applications Sector

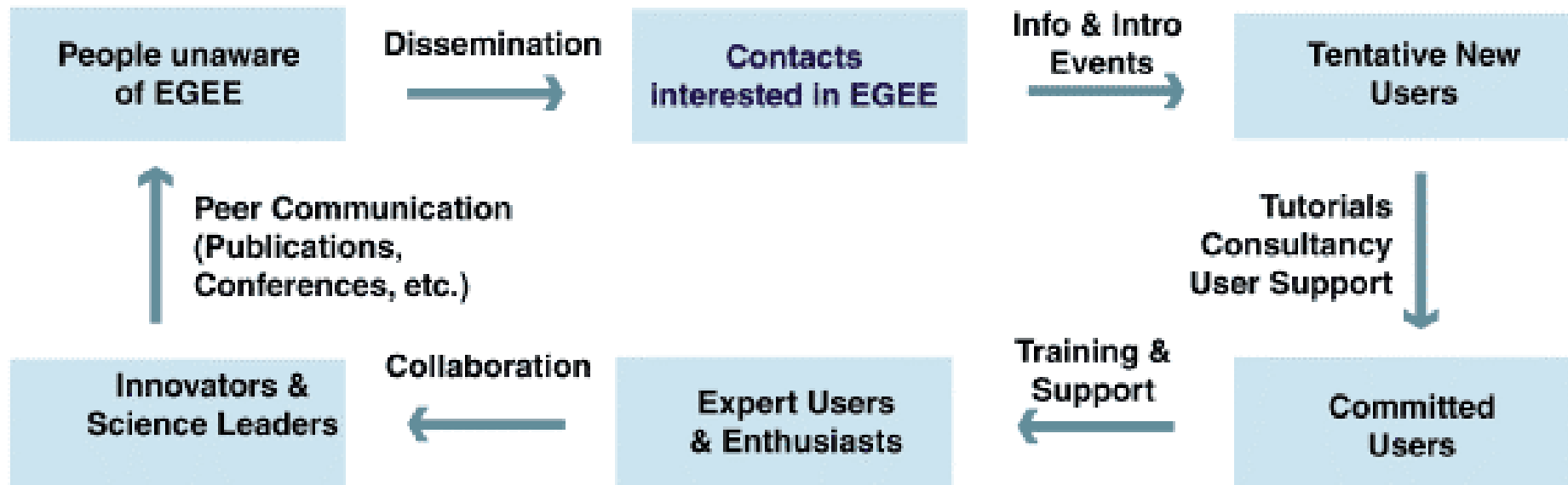
- EGEE applications scope
  - The **Pilot applications**
  - The **Generic Applications**
- The applications coordination
- The testing team
- NA4 structure
- Conclusion

# Applications, Dissemination, User Training

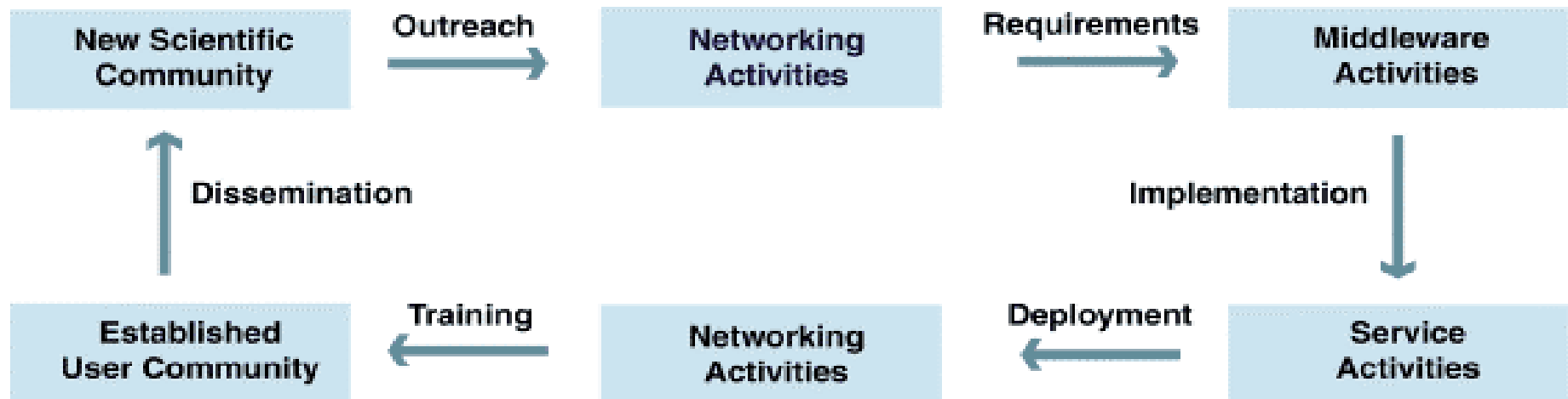




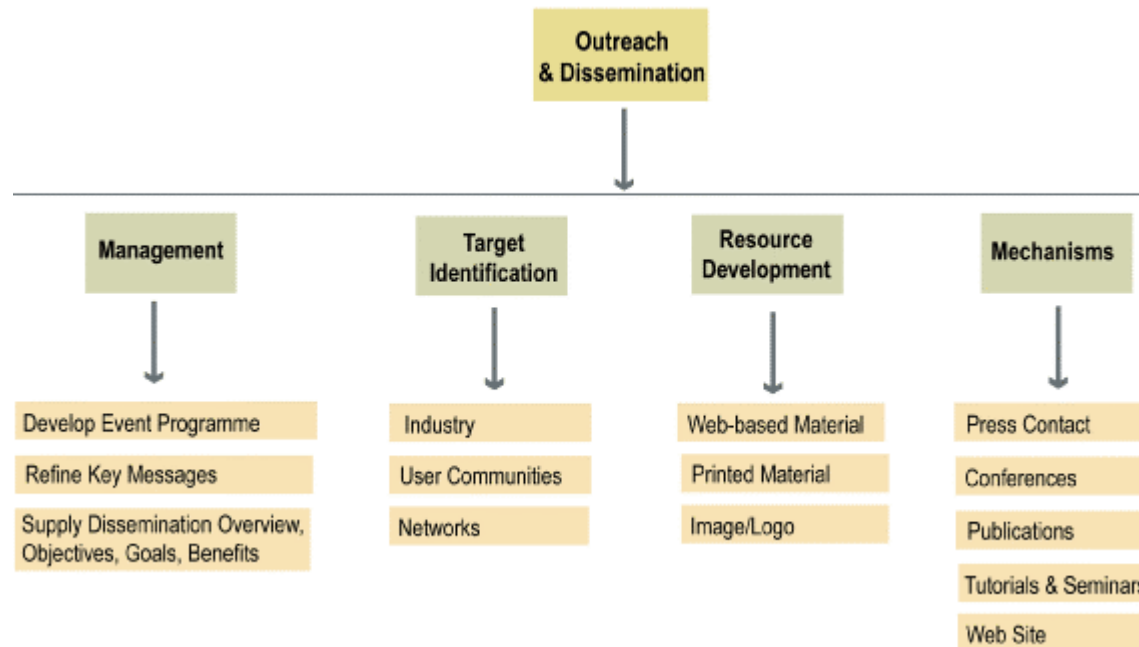
# EGEE virtuous circle (1)



## EGEE « virtuous circle » (2)

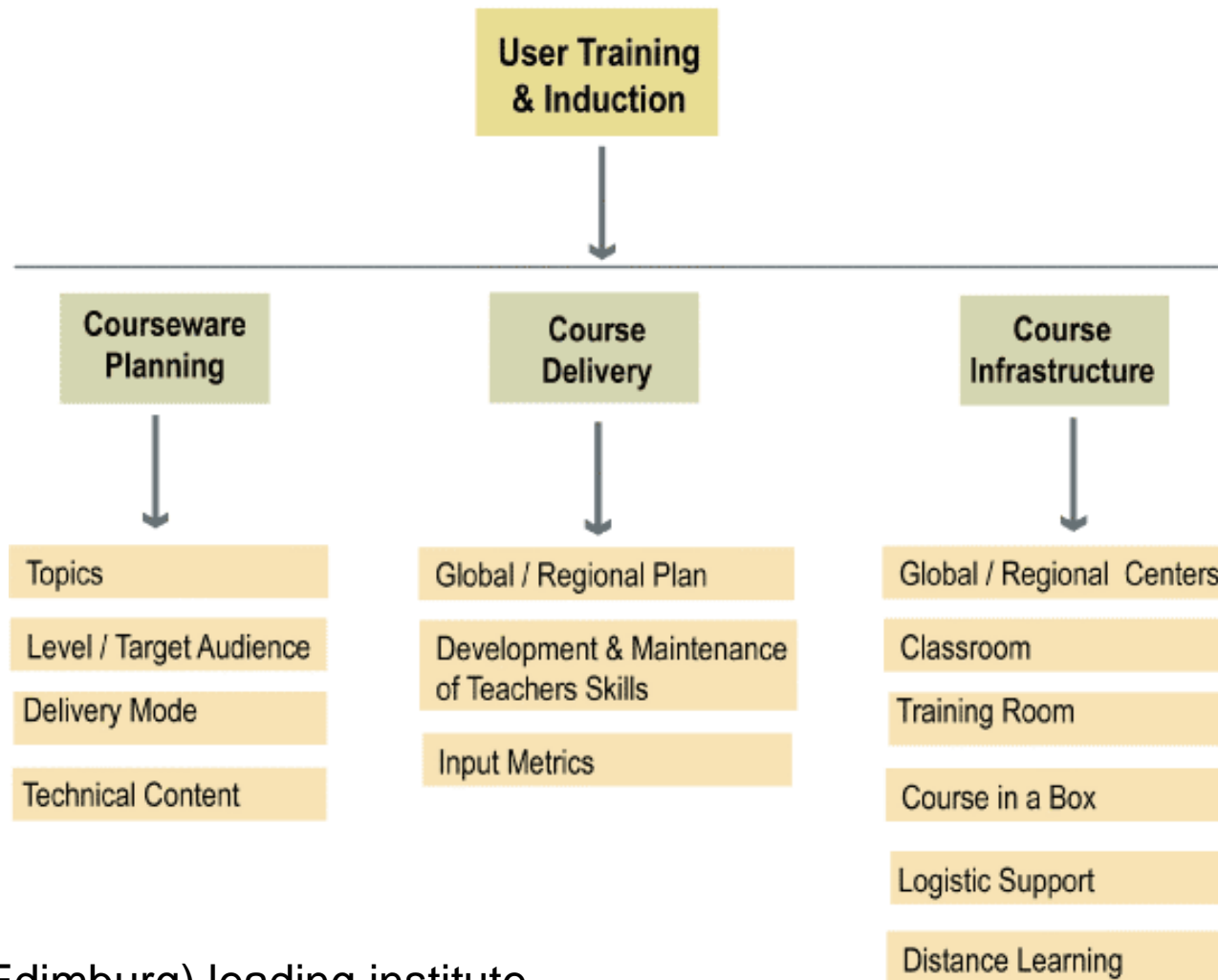


# Dissemination and outreach (NA2)



TERENA leading institute

# User training and Induction (NA3)



NeSC (U. Edimburg) leading institute



## EGEE Applications scope

- EGEE Scope : ALL-Inclusive for academic applications
- Open to industrial and socio-economic world as well
- The **only success criterium** of EGEE!: how many satisfied users from how many different domains ?
- In the TA: **5000 users** (3000 after year 2) from **at least 5 disciplines**
- Firmly establish the added value brought by the Grid on a
  - **quantitative** basis (« much more of the same »)
  - **qualitative** basis (« breaking new grounds thanks to the Grid concept »)

# The pilot applications

- Dual role
  - Earliest users
  - Feedback providers
- Must be dedicated and grid-aware **communities**
  - **HEP and Bio/medical**
- Natural continuation from DATAGRID

## HEP sector

- CERN coordinator
  - 4 FTE plus 4 unfunded
  - Embedded within LHC experiments
- Role : deployment of LHC apps on EGEE infrastructure and feedback
- Open to non-LHC experiments as well

## Bio sector

- CNRS coordinator, Spain and Russia partners
  - 4 FTE funded + 4 unfunded
  - Embedded in the BioMed projects, on a permanent or temporary basis
- Multiple role:
  - Demonstrate the usefulness of grid-powered biomed applications
  - Become the focal point of the Biomed Grid community, in partnership with the HealthGrid association
  - Provide detailed feedback to EGEE
  - Ensure that specific bioMed requirements propagate everywhere in EGEE

# The generic applications

- All the others!
- Need of an attractive and orderly integration process:
  - Peer review process
  - scientific interest of the proposed work, with particular emphasis on the grid added-value,
  - coordination of the corresponding community,
  - grid-awareness of this community
  - minimum requirement that a small team followed the EGEE training), dedication of the community to this application,
  - agreement to the various EGEE policies and especially the security and resources allocation policies.
- Technical involvement
  - Allocate workforce for a given time period
- Ressource allocation policy
  - Initial period: free lunch, then roughly-diagonal model

## Applications coordination

- Each application sector has operational autonomy
  - coordinator
  - dedicated manpower
  - specific goals
  - Seat in EGEE Architecture group
- However, clear need for overall coordination (cf WP8-9-10 working group)
  - Common tools
  - Cross fertilization
  - Unified user interface
  - relationship with other EGEE sectors (PEB seat)

## Other NA4 activities

- Industry Forum
  - Presession April 22, 2003 (~25 participants)
  - Second session October 7 , 2003 at CERN
- NA3 liason person
- NA4 Test team
  - Derive testing suites based on use cases

## NA4 Steering committee

- Guy Wormser, CNRS-France, NA4 overall manager.
- Vincent Breton , CNRS-France, NA4 Bio-Med Application manager
- Frank Harris, CERN, NA4 HEP Application manager.
- Roberto Barbera, INFN-Italy, NA4 Generic Application manager.
- Christian Saguez, Ecole Centrale Paris-France, Chair of the EGEE Industry Forum.
- Francois Etienne, CNRS-France, NA4 deputy manager.



# Roles and staffing

<u>Federation</u>	<u>Role</u>	<u>FTE Requested</u>	<u>FTE Unfunded</u>	<u>Financing Requested</u>
CERN	HEP Applications (coord.)	4	4	800
UK+Ireland	NA3 Liaison	0,5	0,5	94
Italy	Generic app (coord)	2	2	400
France	General coord., BioMed, Test team, Industry diss.	7	7	1392
Northern Europe	Generic applications	1	1	194
Germany + Switzerland	Generic applications	1	1	199
Central Europe	Generic applications	1	1	60
South West Europe	BioMed	2	2	348
Russia	HEP, BioMed	3	3	151
<b>Totals</b>		<b>21,5</b>	<b>21,5</b>	<b>3608 k€</b>

# Milestones

Milestones and expected result		
MNA4.1	M6	First applications migrated to the EGEE infrastructure
MNA4.2	M12	First external review of Applications Identification and Support with feedback
MNA4.3	M24	<ul style="list-style-type: none"> <li>• Second external review of Applications Identification and Support with feedback</li> </ul>
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# Deliverables

Deliverables		
DNA4.1	M3	Definition of Common Application Interface and Planning Document
DNA4.2	M6	Target Application Sector Strategy document
DNA4.3	M9	<ul style="list-style-type: none"> <li>•EGEE Application Migration Progress report (revision M15 and M21)</li> </ul>
DNA4.4	M24	Final Report of Application Identification and Support Activity

## Conclusion

- The Application sector is at the end of EGEE chain
- But it is the **ONLY success criterion**:
  - **Many happy users from many different fields (academic and some industry-related)**
- Two pilot applications with special role to provide detailed feedback: **HEP and BioMed**
- **Well defined integration process** to « adopt » new applications
- Small workforce dedicated to one application at a time to help its deployment
- General application coordination to progress towards a unified interface layer
- Interface with all EGEE areas