Outline

- Summary of Blueprint
  - http://web.eu-egi.eu/fileadmin/public/EGI_DS_D5_4_V300b.pdf
- Steps for establishing EGI.org
- List of NGI International Tasks
- Next steps for each task
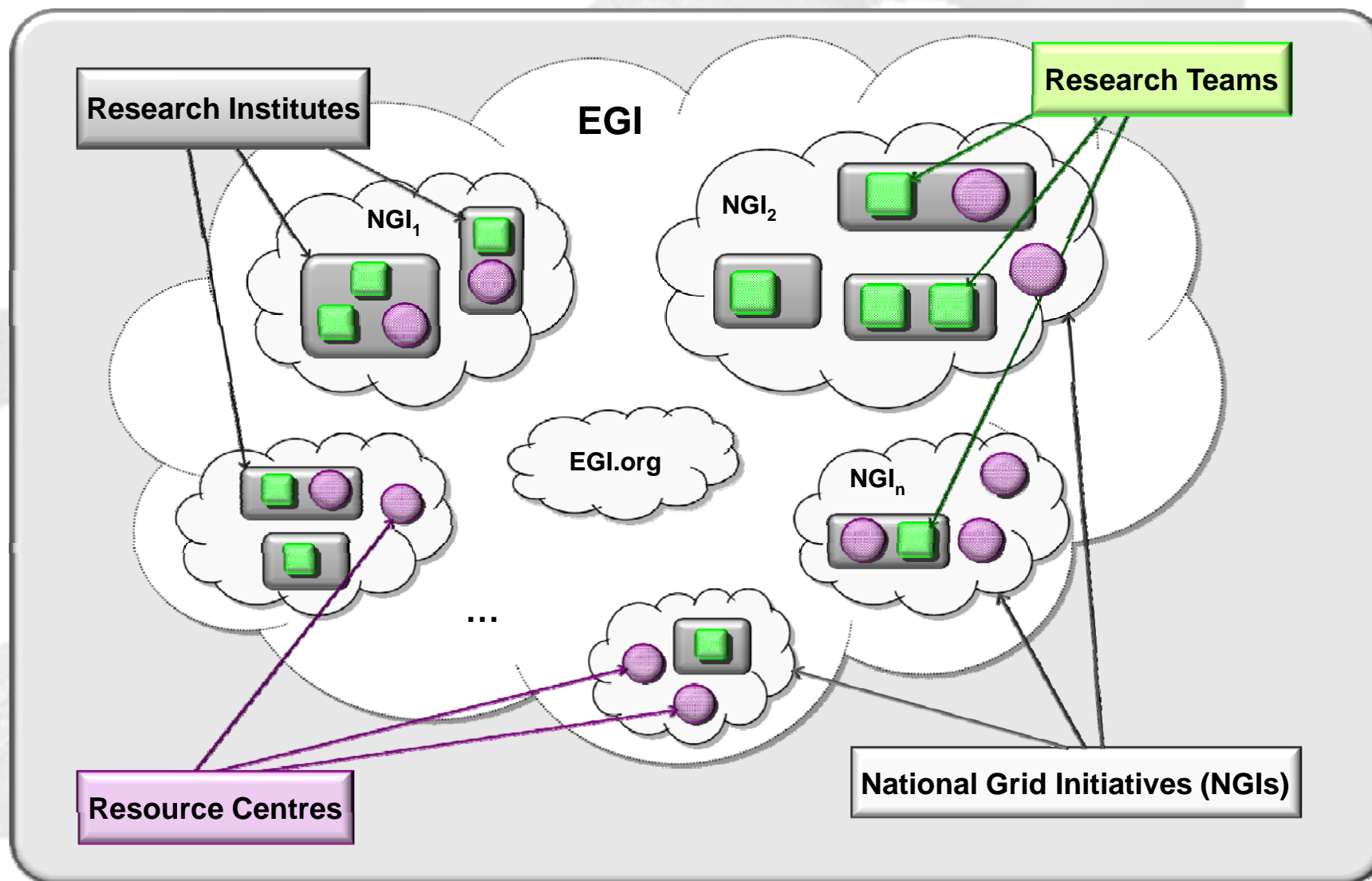- NGI questionnaire
- Conclusion

The Road to the EGI Blueprint

Requirements from NGIs, EGEE

WP3 consolidation WS 29-31-Jan-08

D5.1: Draft Definition of EGI Org
D5.2: Draft Convention

Rome workshop 13-14-March-08

D4.4: Early Draft of Blueprint

- **MW: Coordination – no development**
- **Provision of a large-scale production Grid infrastructure**

Feedback

Geneva workshop 30-June-08

Feedback from: NGIs, EGEE, other Grids PRACE, WLCG, etc.

Feedback

Second Draft of Blueprint

Feedback

Istanbul workshop 22-Sep-08

Feedback

Final Blueprint

Blueprint approved!
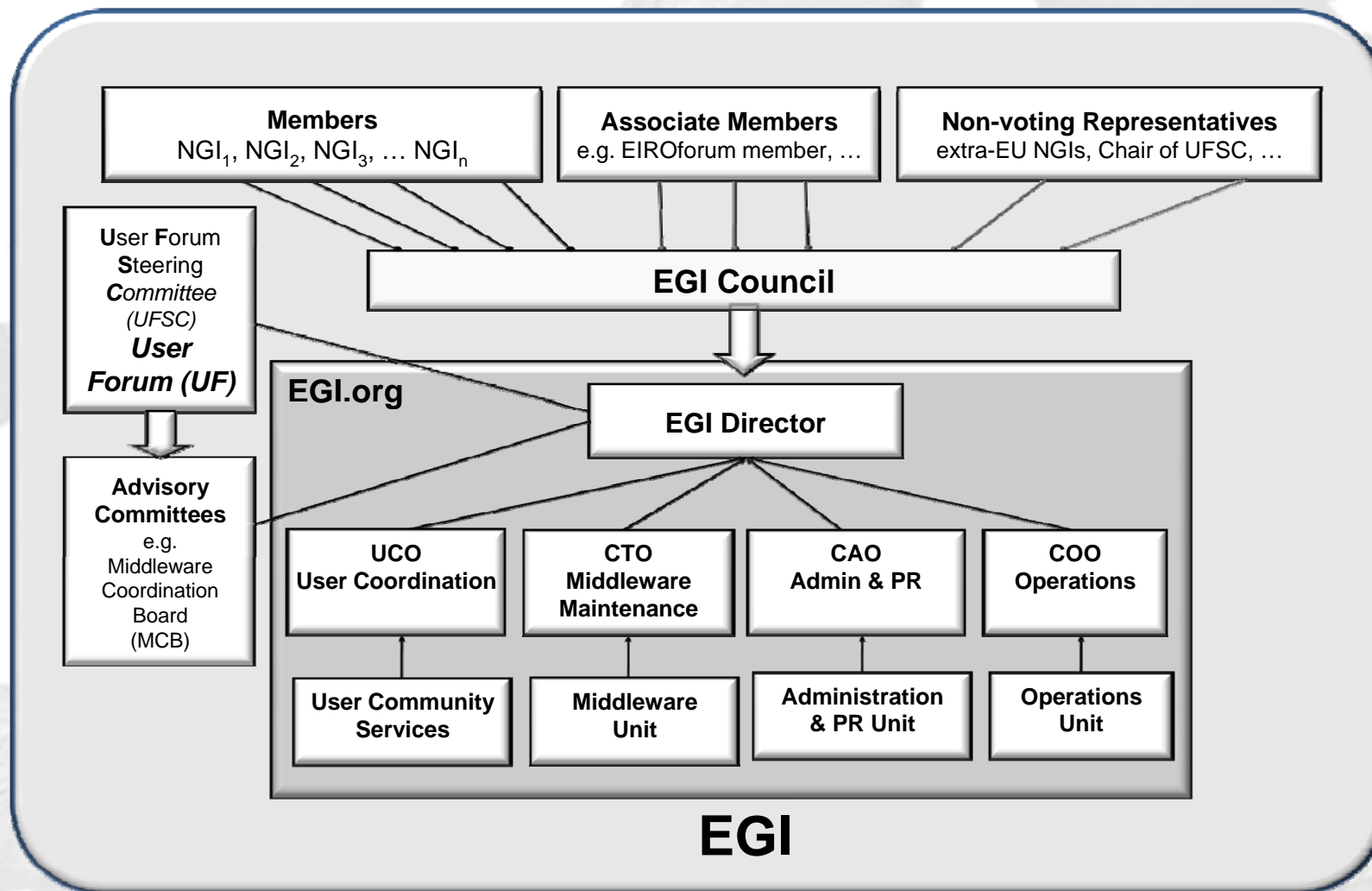
Prague Policy Board 20-Jan-09

European Grid Initiative - EGI

- Partnership between National Grid Initiatives (NGIs) and coordinating body EGI.org

- Main functions:
  - Operations and security
  - Middleware
  - User community services
  - External liaison tasks
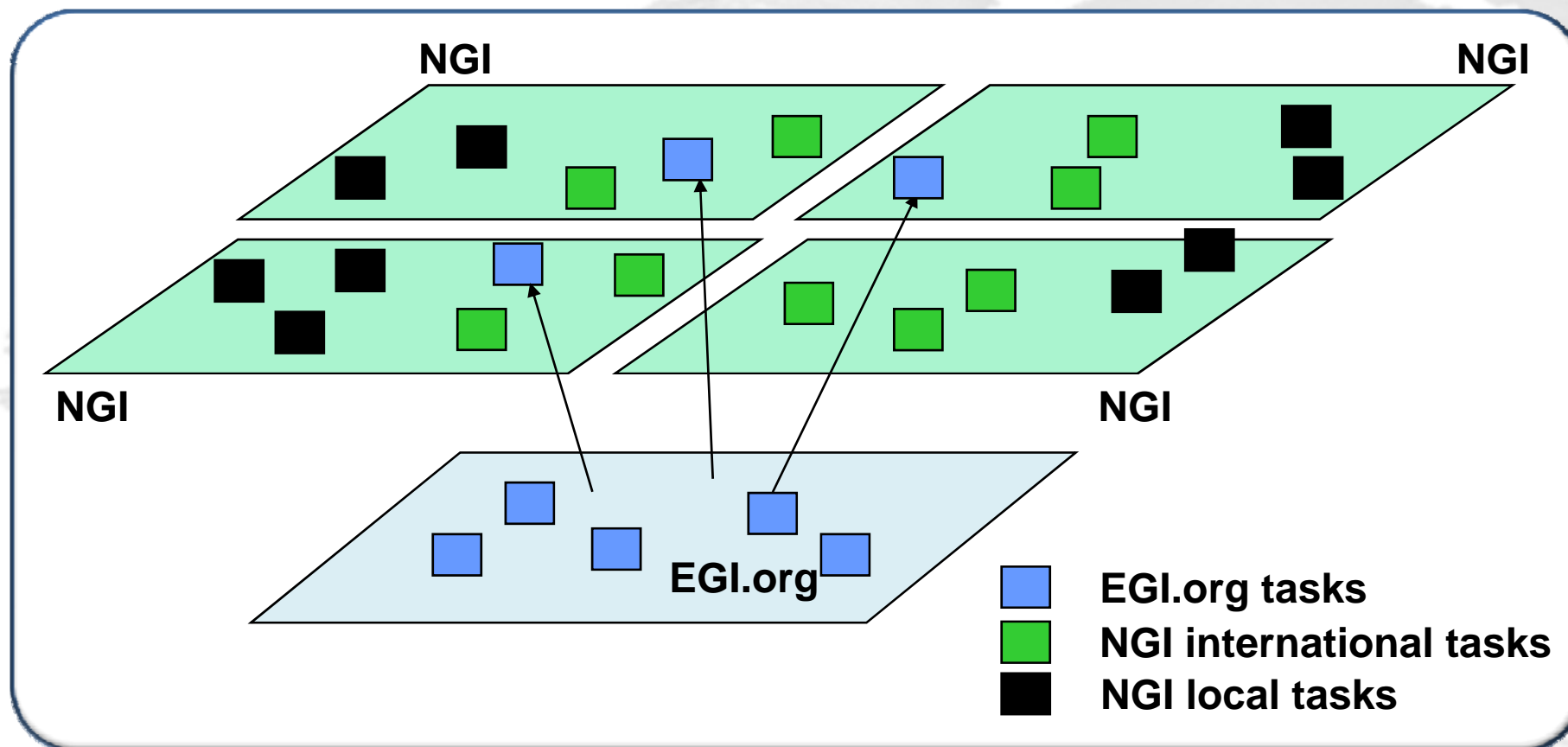
- Most activities performed by NGIs

The EGI Actors

EGI Management/Governance

Members NGI$_1$, NGI$_2$, NGI$_3$, … NGI$_n$	Associate Members e.g. EIROforum member, …	Non-voting Representatives extra-EU NGIs, Chair of UFSC, …

User Forum Steering Committee (UFSC) *User Forum (UF)*

EGI Council

EGI.org

EGI Director

Advisory Committees e.g. Middleware Coordination Board (MCB)

UCO User Coordination	CTO Middleware Maintenance	CAO Admin & PR	COO Operations
User Community Services	Middleware Unit	Administration & PR Unit	Operations Unit

EGI

EGI.org and NGI Tasks

EGI.org tasks

NGI international tasks

NGI local tasks

Resources and Funding

- EGEE and similar European Grid infrastructure projects rest on three pillars for financial support:
    1. Co-funding by the EC
    2. Matched national funding
    3. National/institutional funding for computing infrastructures and their operation
- Long-term primary EGI funding is at the national level
- EC funding for
    - Initial funding during startup
    - Coordinating national efforts and activities spanning several countries
    - Supporting innovation

Resources for EGI.org

Costs for	EGI.org Costs (in FTE/a)
Operations	17
Middleware interfaces and final certification	8
User Community Services	11
External Liaison Functions	4
EGI.org Management and Administration	11
Total	**51**

Resources in NGIs

Task	Small NGI	Medium NGI	Large NGI	"Sum"
Operations and Security	2-4 FTE	5-10 FTE	14-22 FTE	225 FTE
International User Community Services	0.5-1.7 FTE	1-2.5 FTE	1.5-4 FTE	60 FTE
Specialised Support Centres				50 FTE

Based on current experience
These resources exist in countries with operational grid infrastructure

EGI Financial Reference Model

|	NGI International tasks		Middleware maintenance	EGI.org	Total
	Operations	**User services**			
Costs					
EGI Effort (FTEs)	225	110	70	51	
EGI costs (M€/year)	20.25	9.90	6.30	4.59	41
Income					
NGI membership fees (M€/year)				1,0	1
EC Contribution (M€/year)	10.125	4.95	3.15	1.80	20
NGI, Middleware consortia and EIRO/ESFRI co-funding Contribution (M€/year)	10.125	4.95	3.15	1.80	20

Funding view of NGI

EC Funding

600 k€   **600 k€**

National
Co-Funding
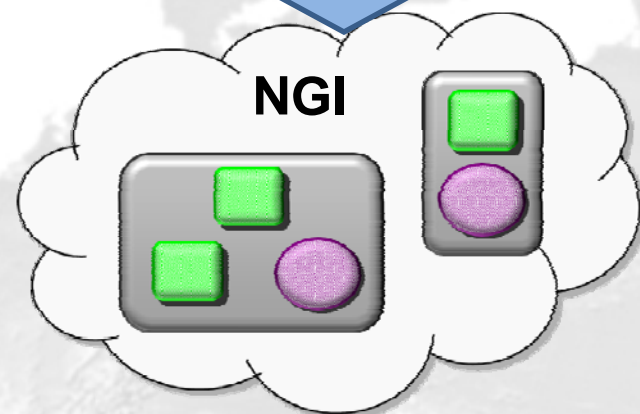
NGI

"Average medium
sized NGI"

EGI.org

Membership
Fees **30 k€**

Blueprint: Transition Milestones

- **January 20th:** Vote for approval of the EGI Blueprint by the EGI_DS Policy Board; first list of NGIs subscribing to the principles of EGI.

- **March 2nd:** Catania Workshop – Approval of the EGI location; common work plan with EGEE on transition scenario.

- **Spring 2009:** Transition team in place with authority to prepare key tasks and to negotiate with the EU; work on calls for EC funding

- **Summer 2009:** The core of the EGI project transition team is agreed and confirmed by the Policy Board; latest date for formal establishment of the EGI.org .

- **Autumn 2009:** The EGI project proposal is prepared and submitted to the EC.

- **January 1st, 2010:** EGI.org is operational, with all key personnel appointed (who may not yet be working for EGI.org, as e.g. still working for EGEE III or any other project).

- **April 2010:** EGI.org fully operational, taking over from EGEE-III and other CPs as they end

Steps for Establishing EGI.org

- Select location – today?

- Legal structure in place - ?

- EGI.org Director in place - ?

- EGI.org first budget available - ?

- All required personnel in place - ?

International Tasks: Functions

The following main functions are currently required for the functioning of grids:

- Operations
- Operations Tools
- Coordination
- Middleware
- User Community Support functions

Operations Functions

- Global Operation Support
- Coordination of networking operations
- Roles currently performed by ROCs
- EGI-wide Operations Coordination

Operations Tools

- Accounting Portal
- Operations Portal
- Monitoring Tools
- Configuration Management

Coordination

- Operational Coordination
- Security
- Deployment Coordination
- Networking

Middleware

- Maintenance of Middleware
- Testing and Deployment
- Liaison with UMD

User Community Support functions

- User Authentication & Authorization
- Documentation and Training
- Specialized Support Centres

For Each Task:

- Describe current status, where it is done, current effort

- Possible evolution to EGI – sharing EGI.org – NGI

- SLA

- Agreement with task owner some kind of "MoU"

- Become part of EC call

March 09

April 09

June 09

Sept 09

Dec 09

To be nominated by NGI:

- **NGI Operations Manager:** Responsible for the overall effective running of the NGI and its sites.
- **NGI Security Officer:** Responsible for the operational security within the NGI and its sites.
- **NGI Operations Tool Manager:** Person responsible for the operations tools being developed or deployed within the NGI and their interfacing into any central monitoring infrastructure.
- **NGI User Support Manager:** Responsible for running the helpdesk within the NGI and defining and delivering the user support model.
- **NGI First Line Support Manager:** Responsible for delivering the first level operations support in the NGI by ensuring sites resolve problems spotted by the NGI monitoring (currently called R-COD) and defining the operations procedures and best practices in the NGI.
- **Networking Manager:** Liaison to NREN for Grid-specific tasks
- ... and – if available - contact persons for: Certification, Accounting, Middleware Deployment, Documentation & Training, Dissemination, extra EU-Grids

Transition Period

Transition from EGEE and similar European projects

- already moving towards the EGI model:
  - Joint Research Units (JRU) are already established in 21 countries – a good starting point for NGIs
  - De-centralisation is an essential part of the EGEE-III strategy
  - Tight collaboration between EGEE-III and EGI_DS has been established and a common workplan is in place
  - EGEE-III Deliverable DNA 1.4:
    "Plan for a Transition to a Sustainable Infrastructure"
    … to be complemented by EGI_DS document D5.5:
    "Transition Scenario from Current Grid Infrastructures to EGI"- due in June 2009
    - Still many open questions

Next steps

Answer the questions – one by one

- Identify location of EGI.org
- Further clarify roles and maturity of NGIs
- Identify key positions in each NGI
- Establish the EGI MoU – start signature process
- Identify key people in EGI.org
- Prepare calls for EC funding
- Work with EGEE and related projects to ensure smooth transition
- Still possible to have EGI in place before the end of EGEE? → **Make progress in Catania!!!**