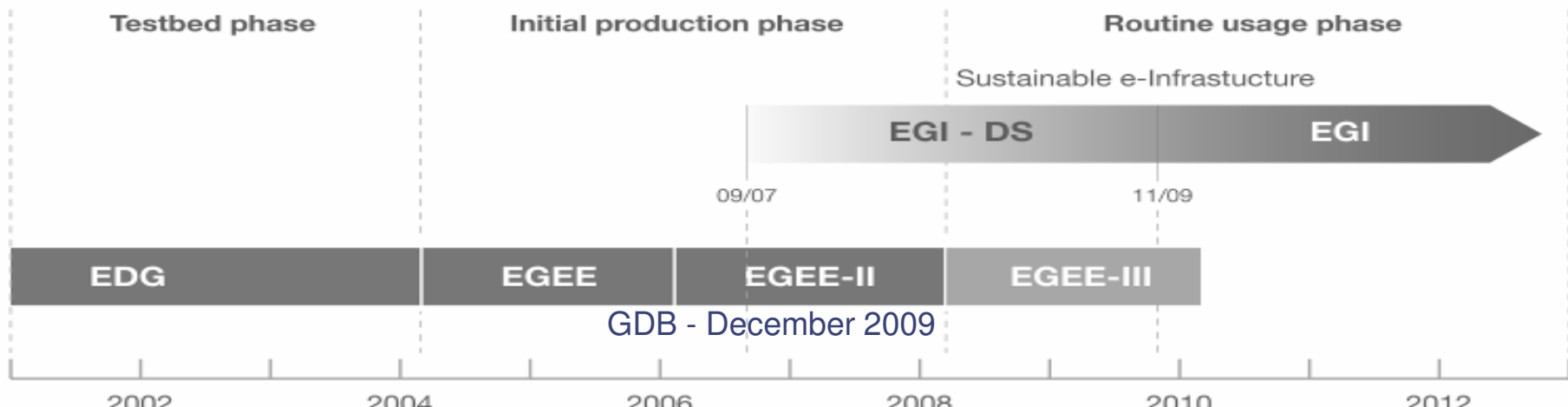


EGI-InSPIRE

Steven Newhouse
Interim EGI.eu Director
EGI-InSPIRE Project Director
Technical Director EGEE-III

European e-Infrastructure

- European Data Grid (EDG)
 - Explore concepts in a testbed
- Enabling Grid for E-sciencE (EGEE)
 - Moving from prototype to production
- European Grid Infrastructure (EGI)
 - Routine usage of a sustainable e-infrastructure



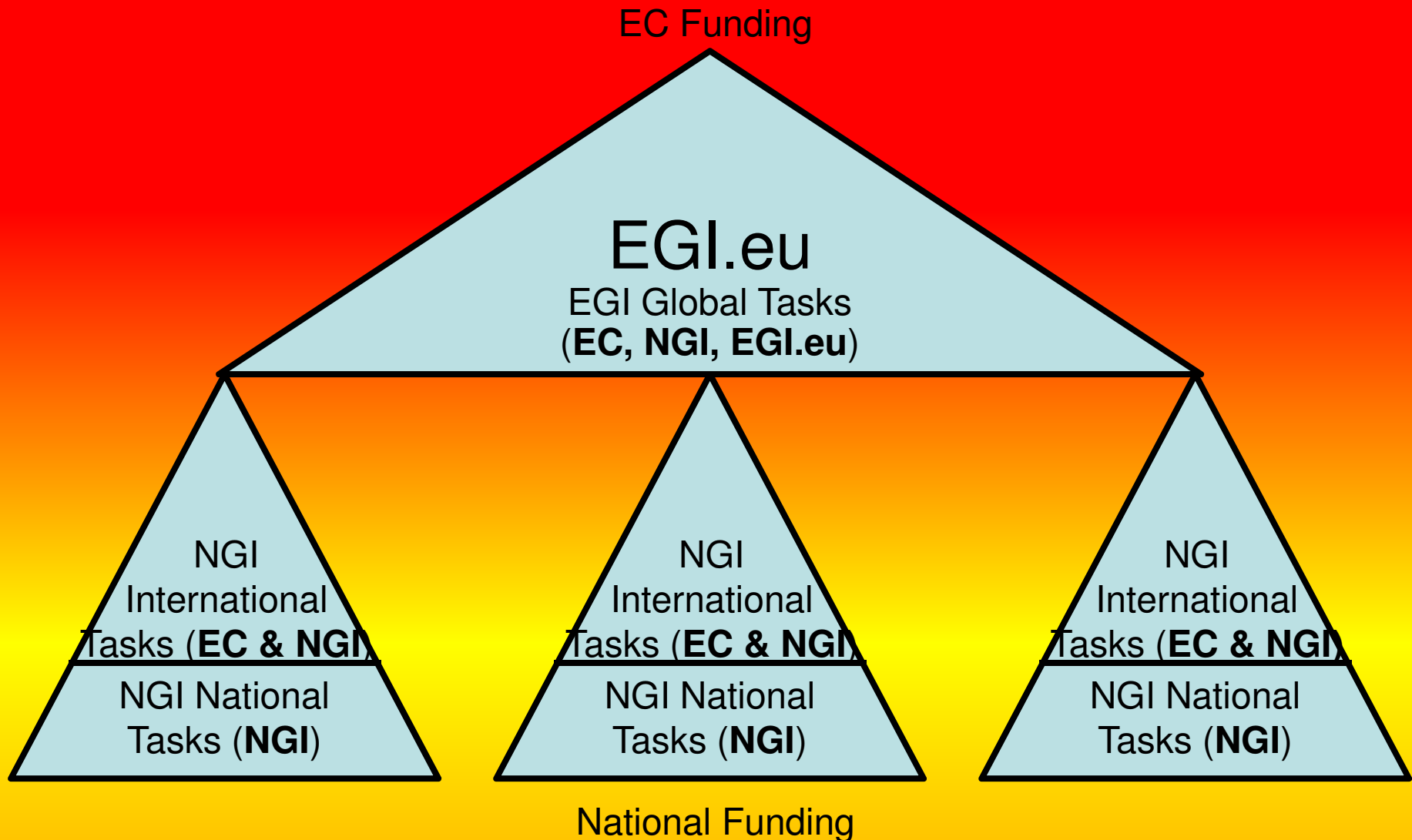
Relationship between EGI, EGI.eu and EGI-InSPIRE

- EGI is a collaboration
 - Between national & community resource providers
- EGI.eu is an organisation
 - Established by EGI
 - Permanently coordinate seamless transparent secure access to their resources
- EGI-InSPIRE is a EC project consortium
 - Partners in the EU & Asia
 - OSG unwilling to join as a formal partner

EGI.eu

- **Coordination for European Grid resources**
 - Roadmap to integrate HTC, HPC, Data, Instruments, ...
 - Policy & services needed to run a grid
 - Builds on resources from within its stakeholders
- **Governance & ownership by its stakeholders**
 - EGI Council votes proportional to GDP
 - EGI Council fees proportional to votes
- **Location selected to be Amsterdam**
 - Sustainable small coordinating organisation (EGI.eu)
 - Distributed staff with a core (~50%) in Amsterdam
 - Approximately 40 staff, €3.5M/year
 - Funded by membership fee & EC

Relationship between NGIs & EGI



EGI Global Tasks

- GOCDB
 - UK
- APEL & Accounting portal
 - UK & Spain
- CIC Portal
 - France
- EGI Helpdesk (GGUS)
 - Germany
- Monitoring framework
 - CERN, Greece & Croatia

EGI Global Tasks

- Grid Operation and Oversight
 - Netherlands and Poland
- Ticket Triage
 - Germany & Italy
 - Unfunded (TBC): Netherlands & Spain
- Operational Security
 - UK & Netherlands
- Operation of catch-all services
 - Greece

EGI Global Tasks

- Security Policy Coordination
 - UK & Netherlands
- Coordination of Interoperation
 - Sweden
- Coordination of network support
 - Italy
- Coordination of best practice & procedures
 - Finland

The EGI-InSPIRE Project

Integrated **S**ustainable **P**an-European
Infrastructure for **R**esearchers in **E**urope

- Submitted to INFRA-2010 1.2.1
- Targeting call objectives:
 - 1.2.1.1: European Grid Initiative
 - 1.2.1.2: Service deployment for heavy users
- A 4 year project with €25M EC contribution
 - Project cost €70M

EC Support for...

- Operations Infrastructure
 - EGI Global & NGI International Tasks
- User Community Support
 - EGI Global & NGI International Tasks
- Policy and Coordination
 - Support for policy bodies & dissemination
- Heavy User Community Support

EGI Council

EGI Executive Board

EGI.eu

Administration

Organisational Task Force

Policy

Security Coordination Group

Security Policy Group

European E-Infrastructures Forum

European Research Facilities

E-Infrastructure Reflections Group

Infrastructure Policy Group

Technology

Middleware Coordination Board

Software Security Group

Open Grid Forum

Operations

Operations Management Board

Operational Tools Advisory Group

IGTF & EUGridPMA

User Community

User Forum Steering Committee

User Services Advisory Group

External Software Providers

End Users

A body run by EGI

Area Advisory Body

An external organisation

Operational Tools Development

- Coordinated by Italy
- Background maintenance activity
 - CIC Portal, Helpdesk, GOCDB, Accounting Server & Portal, SAM, Metrics Portal
- Year 1: Continued regionalisation
 - CIC portal, GOCDB, Accounting, SAM
- Year 1-3: CIC Portal
 - Regionalisation, new resource types, ...
- Year 2-4: Accounting for new resources
 - Cloud resources, applications, etc.

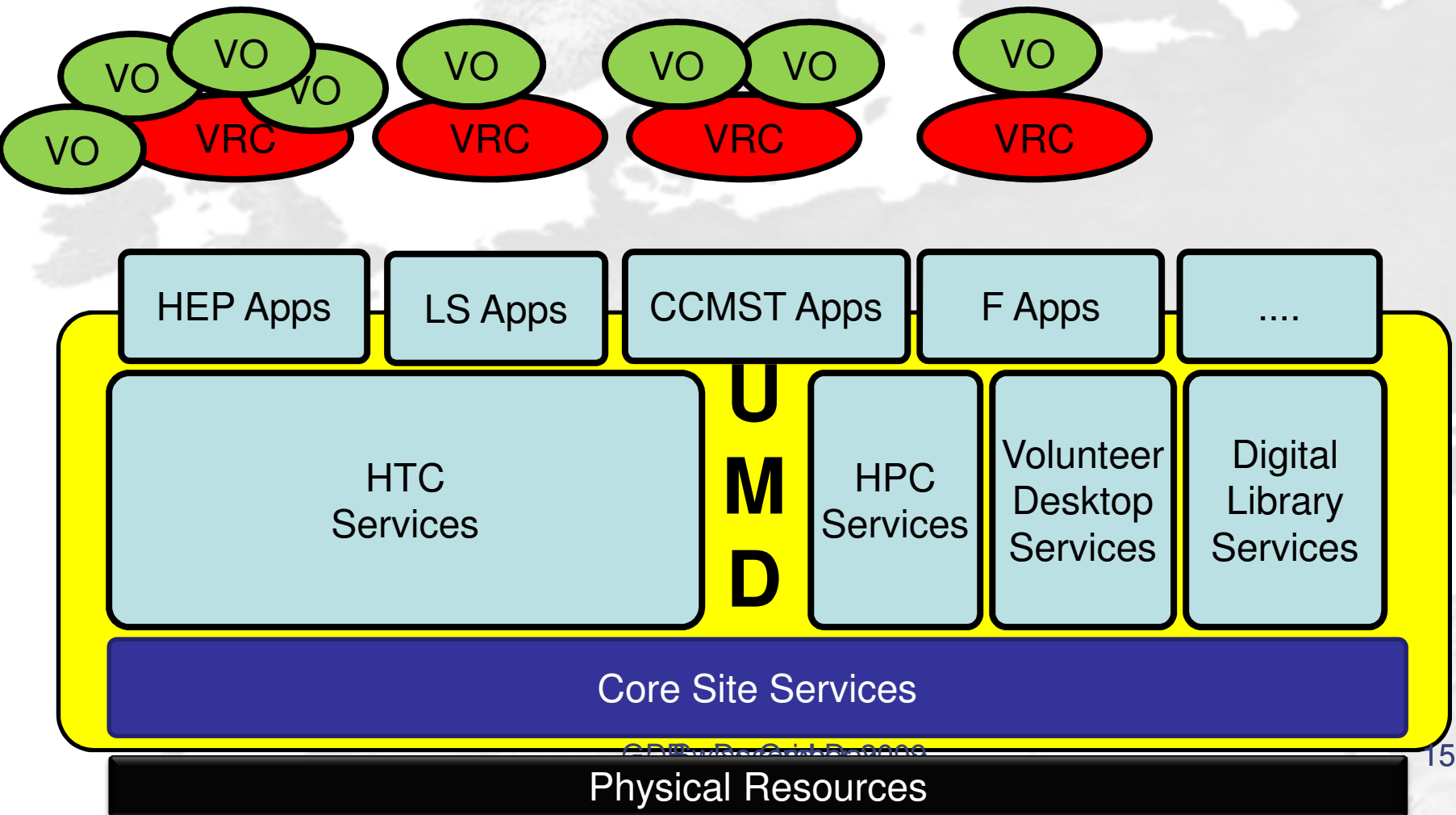
Support for Heavy User Communities

- Covers: HEP, LS, ES, F, CCMST
- Led by CERN
- HEP Support: CERN, INFN, others
 - Dashboards
 - Application Support: GANGA & DIANE
 - Experiment Support

Technology Updates

- Criteria defining production quality
 - Bulk of the testing by the software provider
 - Test verification by EGI.eu
- Staged rollout into production
 - Aspects of each technology tested in production by nominated sites
- Expand supported technologies over time
 - Integrate HPC, Clouds, Desktop, ...

Support Multiple Communities



Summary

- Move away from a project based model
 - Sustainable e-Infrastructure
- User services will evolve to this new model
 - Coordination of services provided through NGIs
 - Expect little change in the delivered services
 - EGEE-III transition plans being updated
- Start coordinating European e-Infrastructure
 - 1st May 2010
- Contact: director@egi.eu