

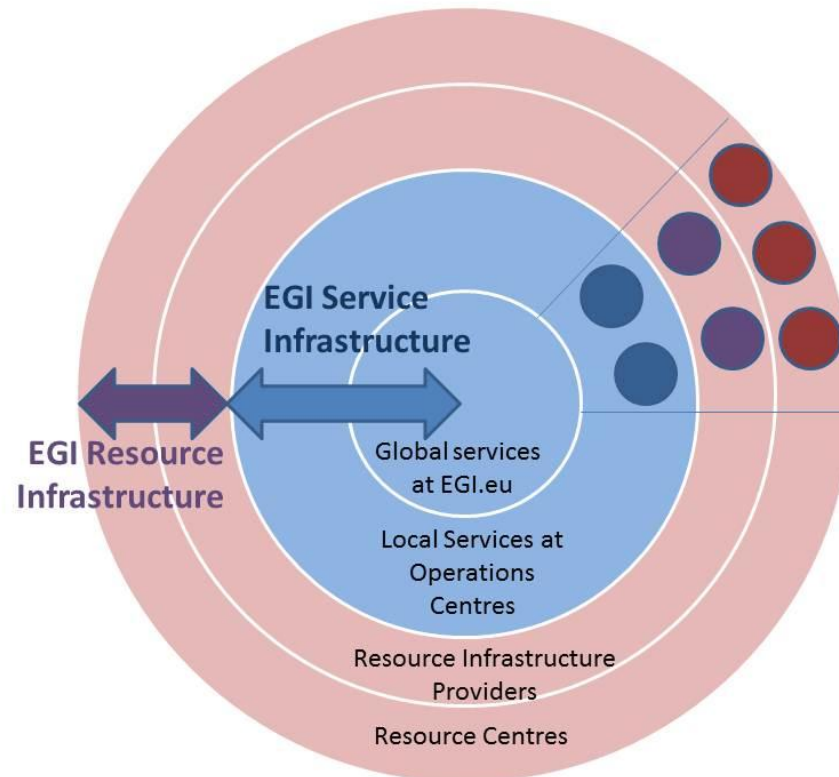
Operations Architecture D4.1

Tiziana Ferrari

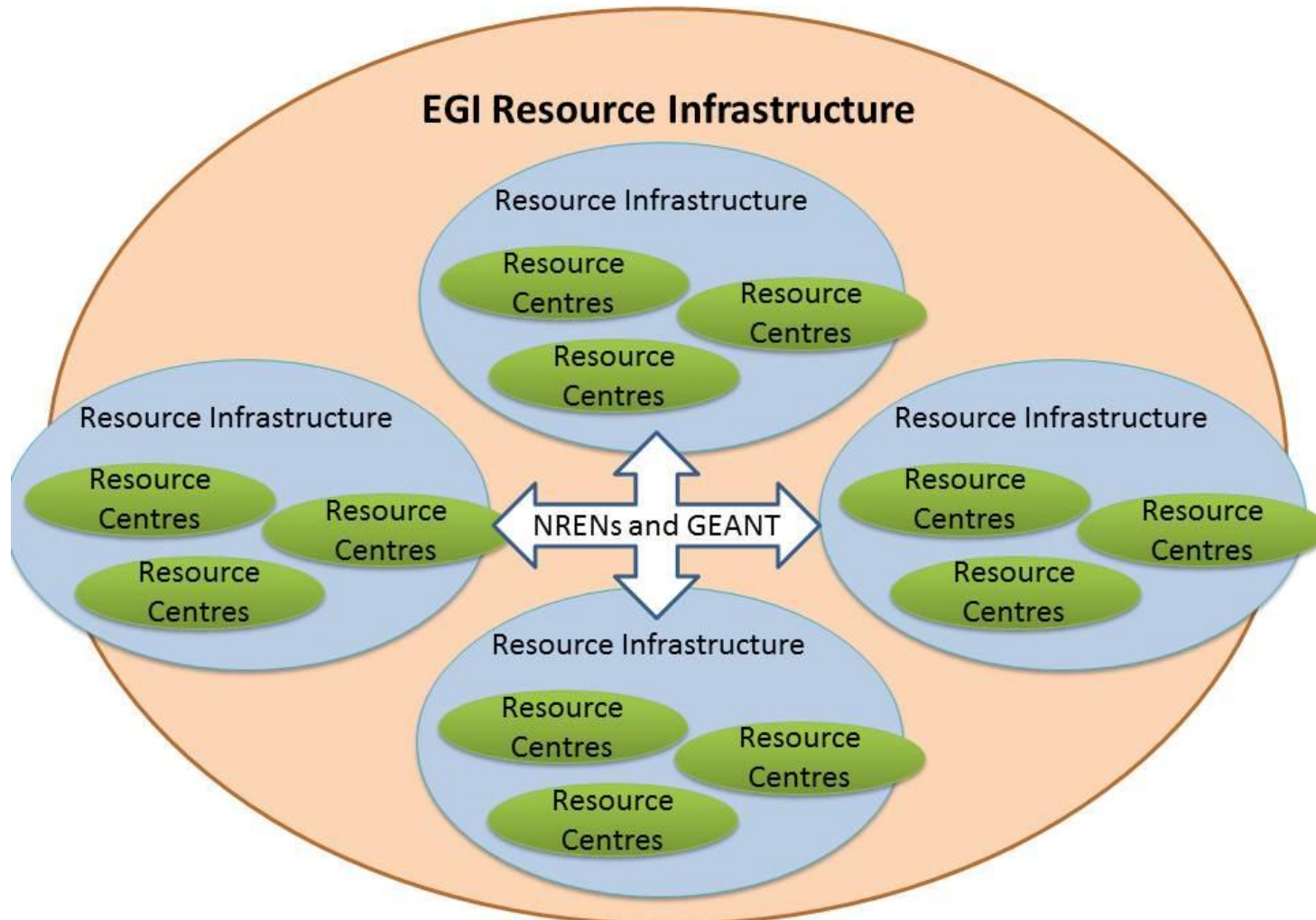
<https://documents.egi.eu/document/218>

OMB Meeting, 24 January 2010

- Resource Infrastructure
- Service Infrastructure

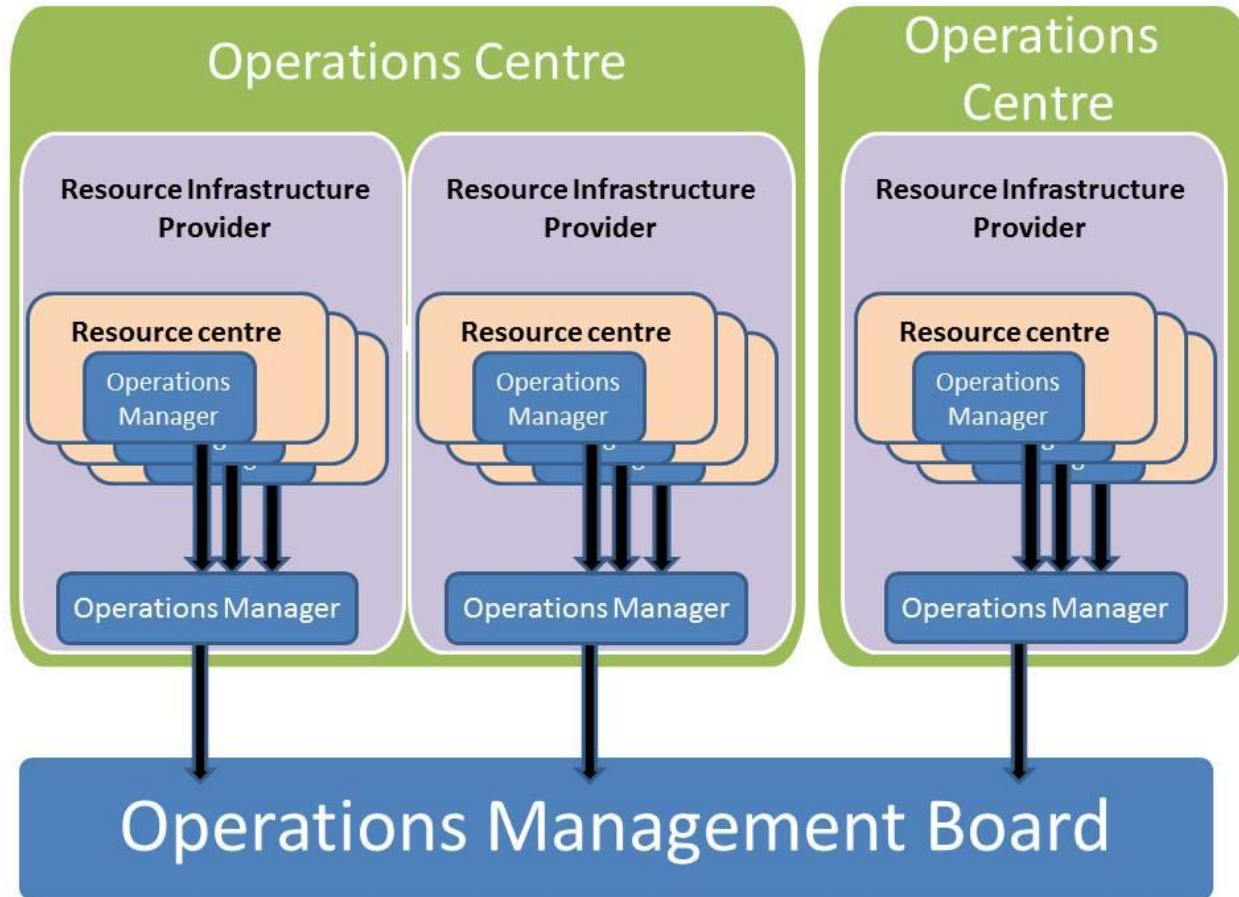


- **Resource Centre (RC)**
 - The Resource Centre is the **smallest resource administration domain in EGI**. It can be either **localized** or geographically **distributed**. A Resource Centre is also known as a “**site**”. It provides local resources and the Grid services necessary to make those resources accessible to authorized users.
- **Resource Infrastructure Provider** (e.g. NGI/EIRO)
 - The Resource Infrastructure Provider **federates RCs**, peers locally with the respective RCs, and globally with other Resource Infrastructure Providers that are part of EGI, and EGI.eu
 - The Resource Infrastructure Provider is a **legal organisation** that is responsible of establishing, managing and of operating directly or indirectly the operational services to an agreed level of quality.

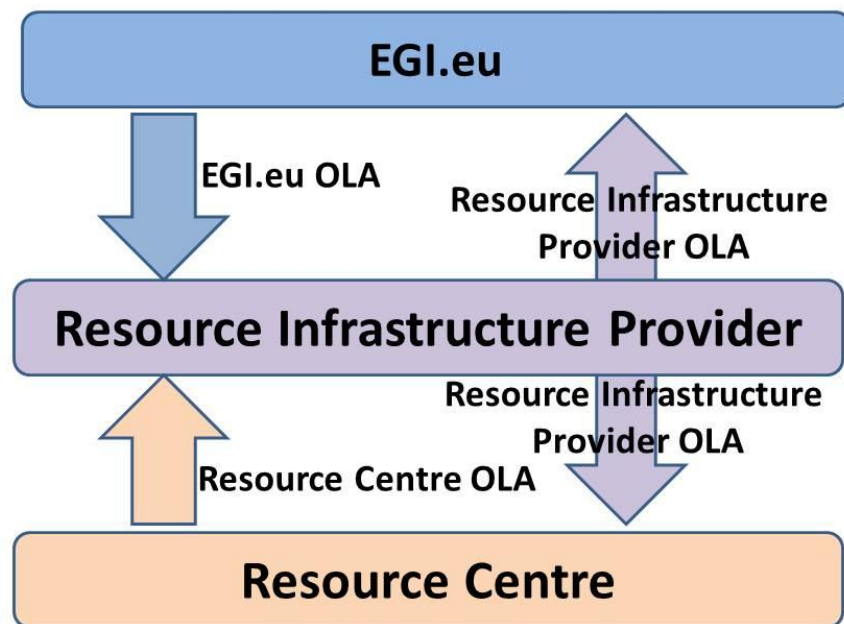


- Global Services
 - EGI.eu
- Local Services
 - Operations Centres (can be federated)

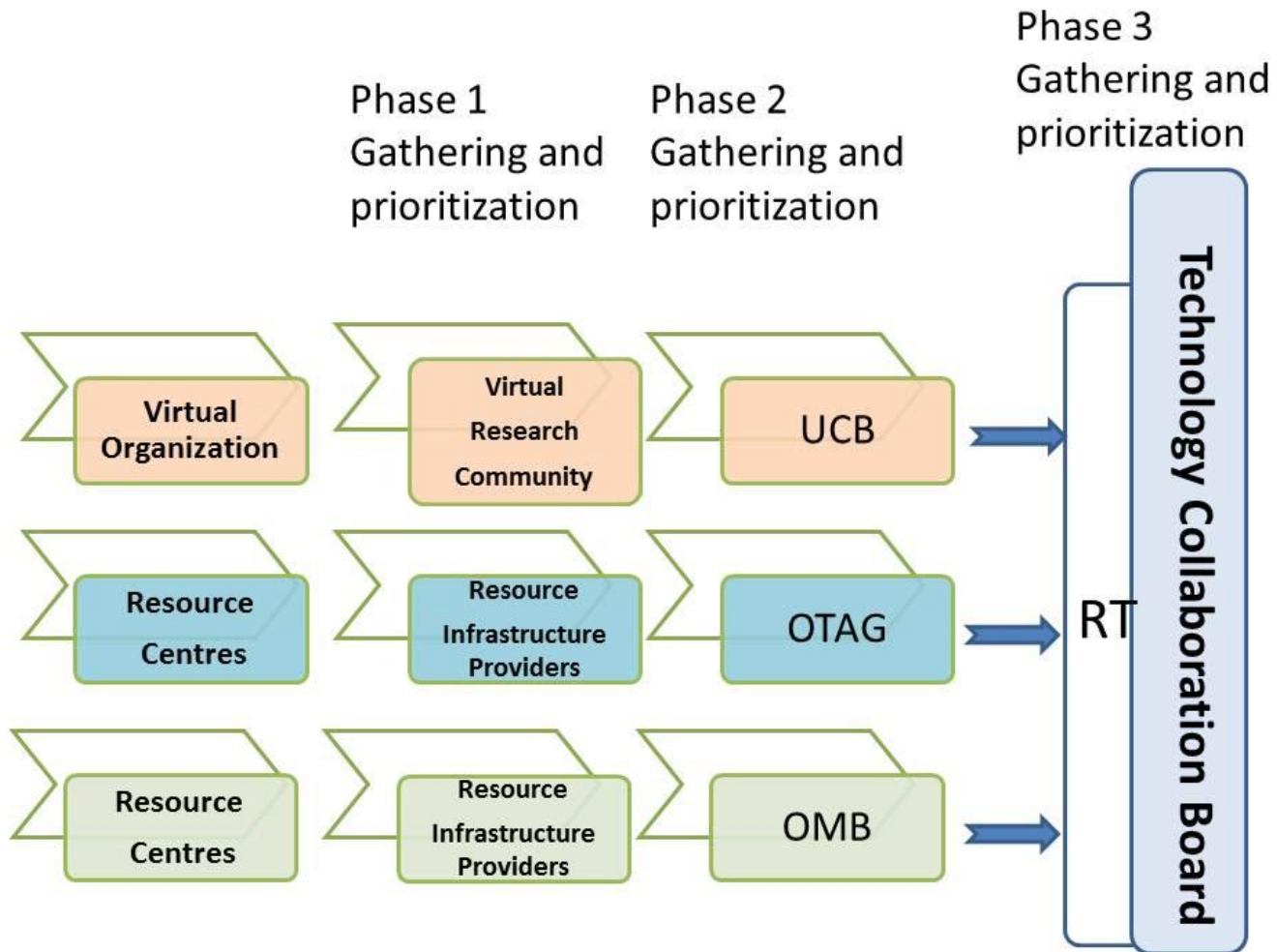




- The OLA is the mechanism adopted in EGI to **integrate resource providers into the pan-European production infrastructure** while ensuring interoperation, QoS, a common set of policies and procedures.
- **EGI OLA:**
 - RC OLA
 - Resource Infrastructure Provider OLA
 - EGI.eu OLA



Requirements



- EGI = Resource + Service Infrastructure
- Resource Infrastructure
 - Resource Infrastructure Provider
 - Resource Centre and Resource Centre Ops Manager
- Service Infrastructure
 - EGI.eu → Global Services
 - Operations Centres → Local Services