The role of EGI in DCH

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EGI Resource Infrastructure Providers
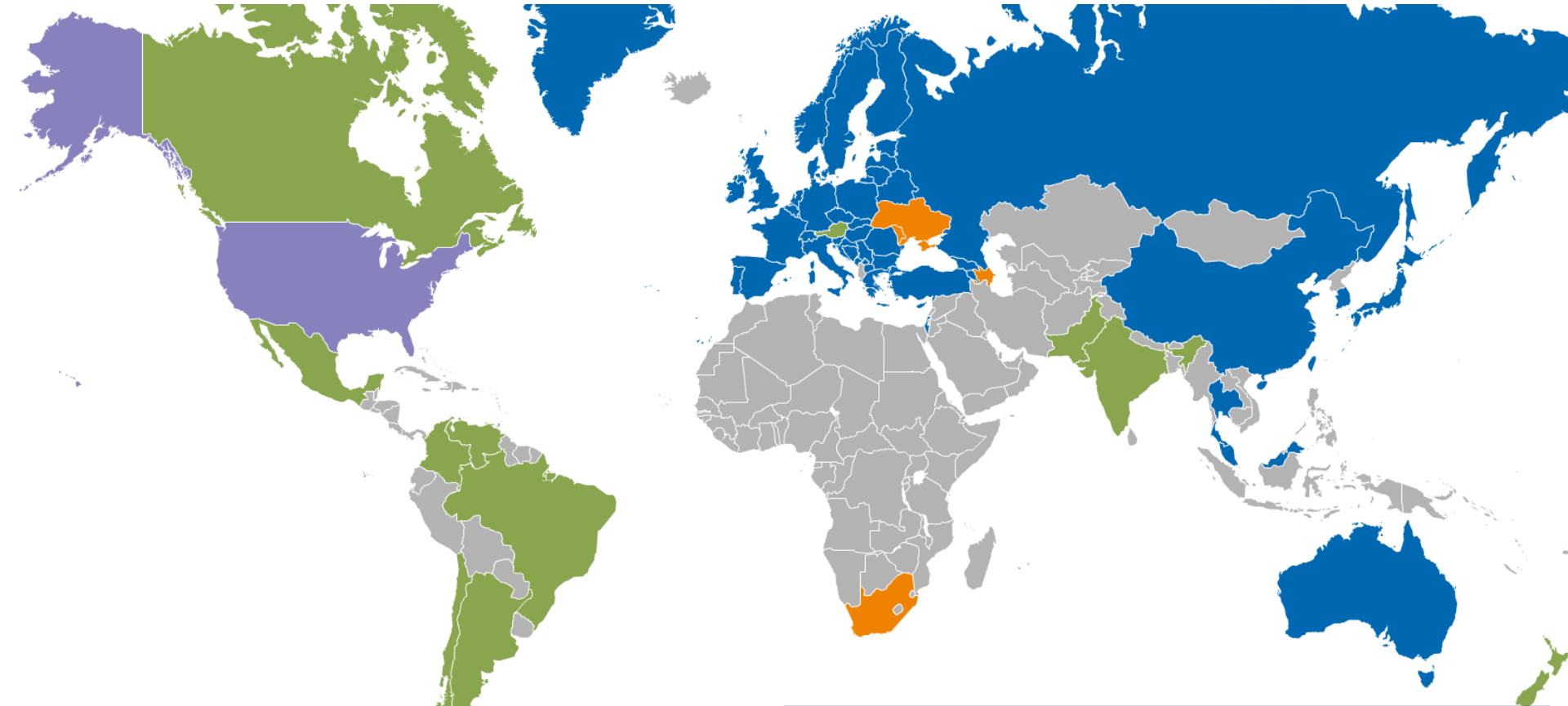
Resource Centres	EGI-InSPIRE & EGI Council members	326
	Including integrated RPs	352
Countries	EGI-InSPIRE & EGI Council members	42
	Including integrated RPs	54

Integrated EGI-InSPIRE partners and EGI Council Members
Internal/External Resource Providers (being integrated)
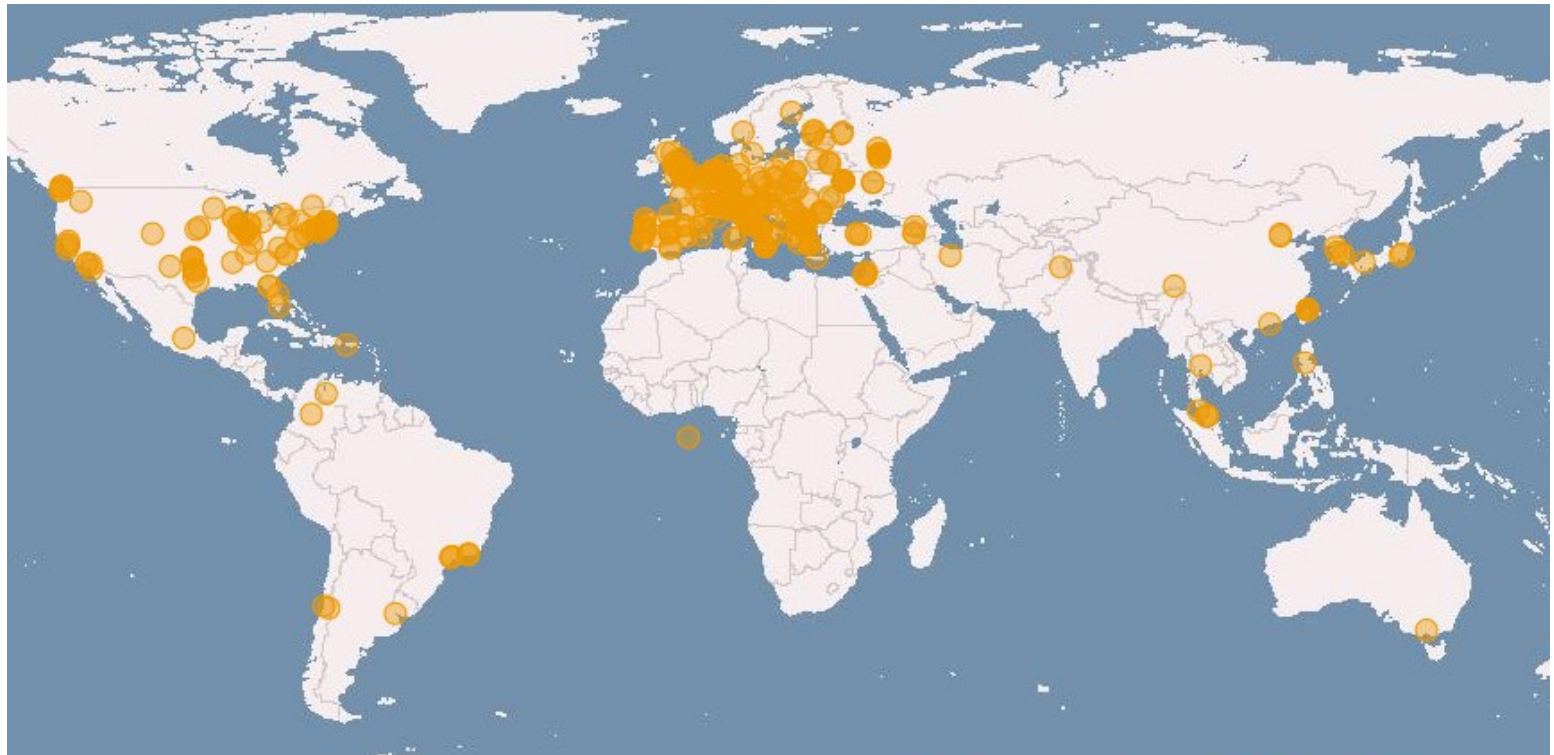**External Resource Providers (integrated)**
Peer Resource Providers

EGI key capacity

Logical CPUs	Value
EGI-InSPIRE and Council Participants	306,000
Including integrated and peer RPs	429,000

Storage	Value
Disk (PB)	155 PB
Tape (PB)	150 PB

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EGI's Cloud Strategy

Personalised environments for individual research communities in the European Research Area

Layer				
SaaS	Community Services	DCH specific services	DCH specific services	
PaaS	Globus / dCache / ARC / gLite	DCH Platform		Genesis II / UNICORE
IaaS	NGI	NGI	NGI	Commercial

IaaS components (per block): VM Mgmt, Data, Information, Monitoring, Accounting, Notification

EGI-wide message bus
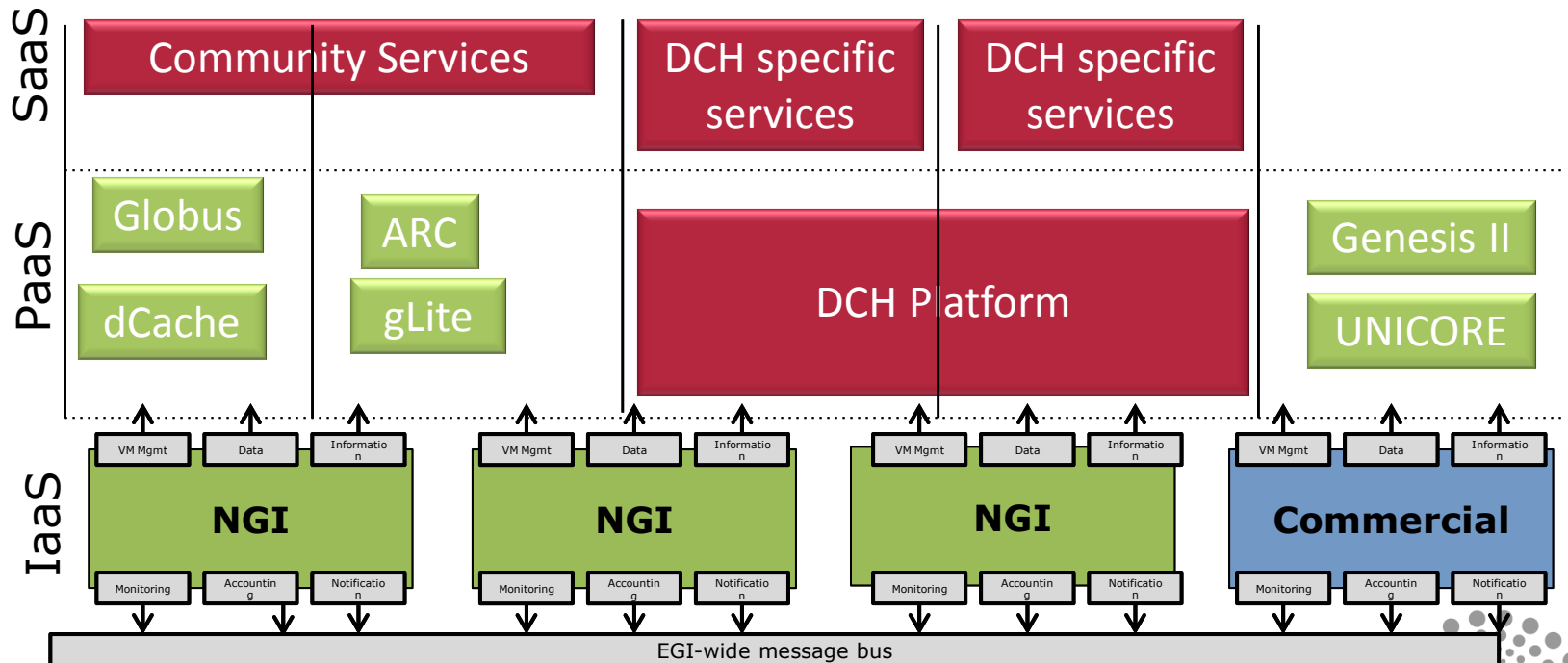
EGI.eu Coordination — Core software and support

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EGI's Cloud strategy (2)

❑ European consistent IaaS platform
- – Across all federated Cloud providers
- – Support for European projects
  - ▪ E.g. WeNMR

❑ National/local PaaS support
- – Exploit national/local skillsets
- – Local service to local users
- – Specialised support on top of IaaS baseline

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EGI's Platform Strategy and DCH(-RP)

❑ EGI Core Infrastructure

  – Services required to federate resources

❑ EGI Cloud Infrastructure

  – Provide consistent federated European IaaS

❑ EGI Collaborative Platform

  – Mix-in services supporting collaboration

  – DCH-RP already benefits from this!

❑ Community Platforms

  – DCH e-Infrastructure deployed across Europe

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Thank you!

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