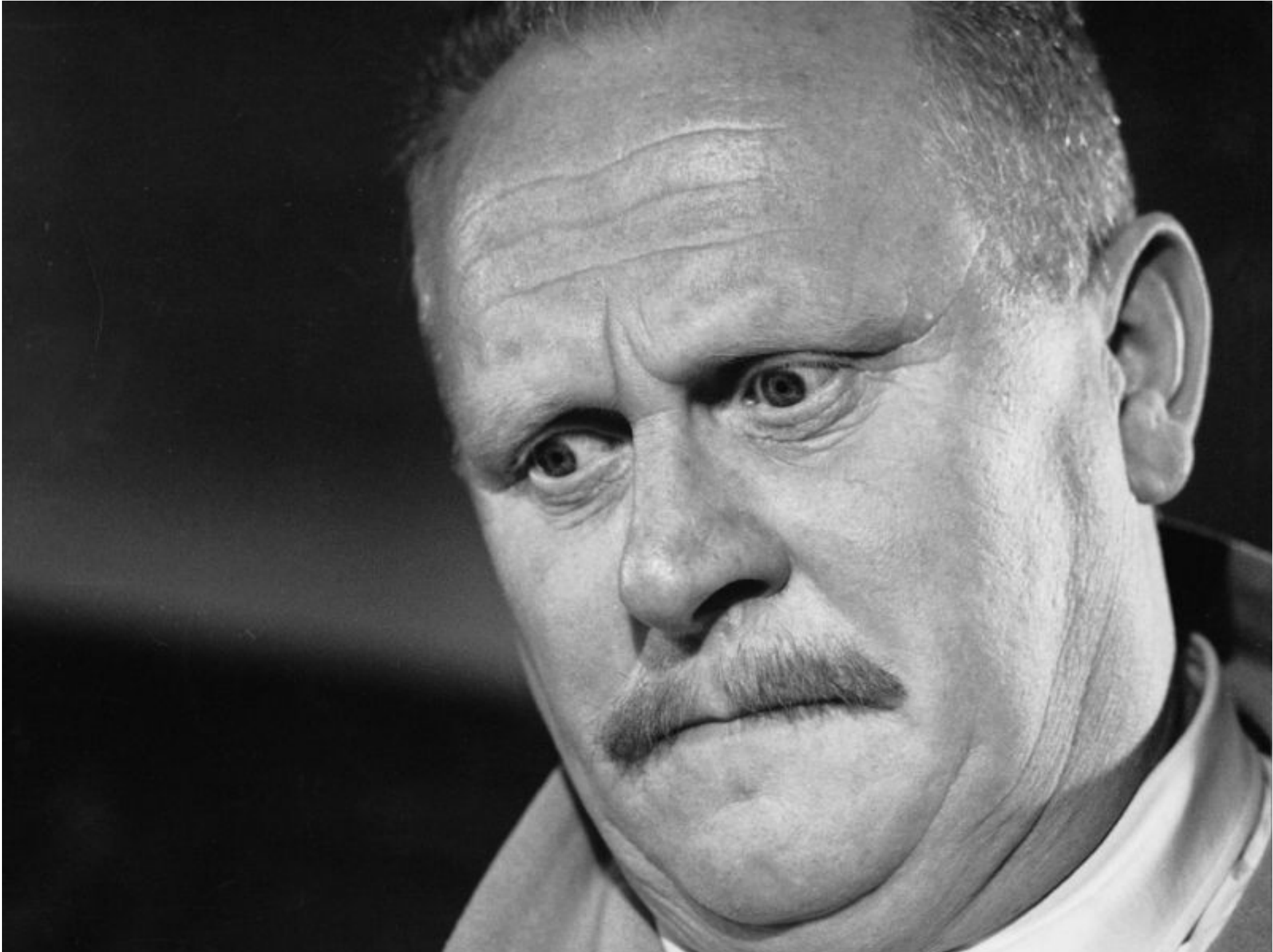


Quo vadis, EGI Clouds?

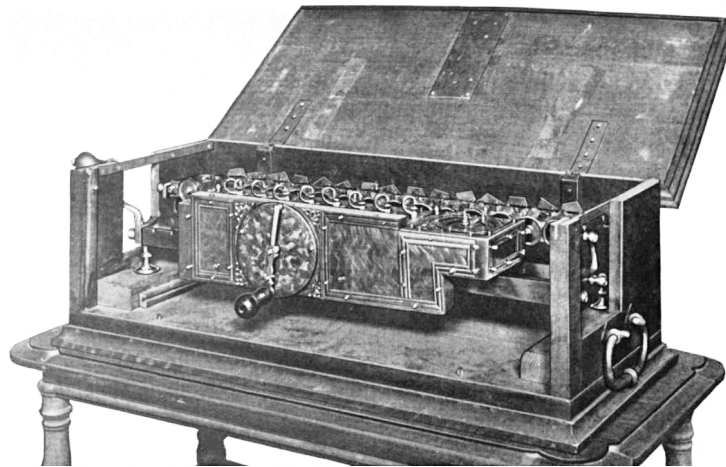
Michel Drescher
Technical Manager, EGI.eu



Where do we come from?

Where we are heading?

Where do we come from?

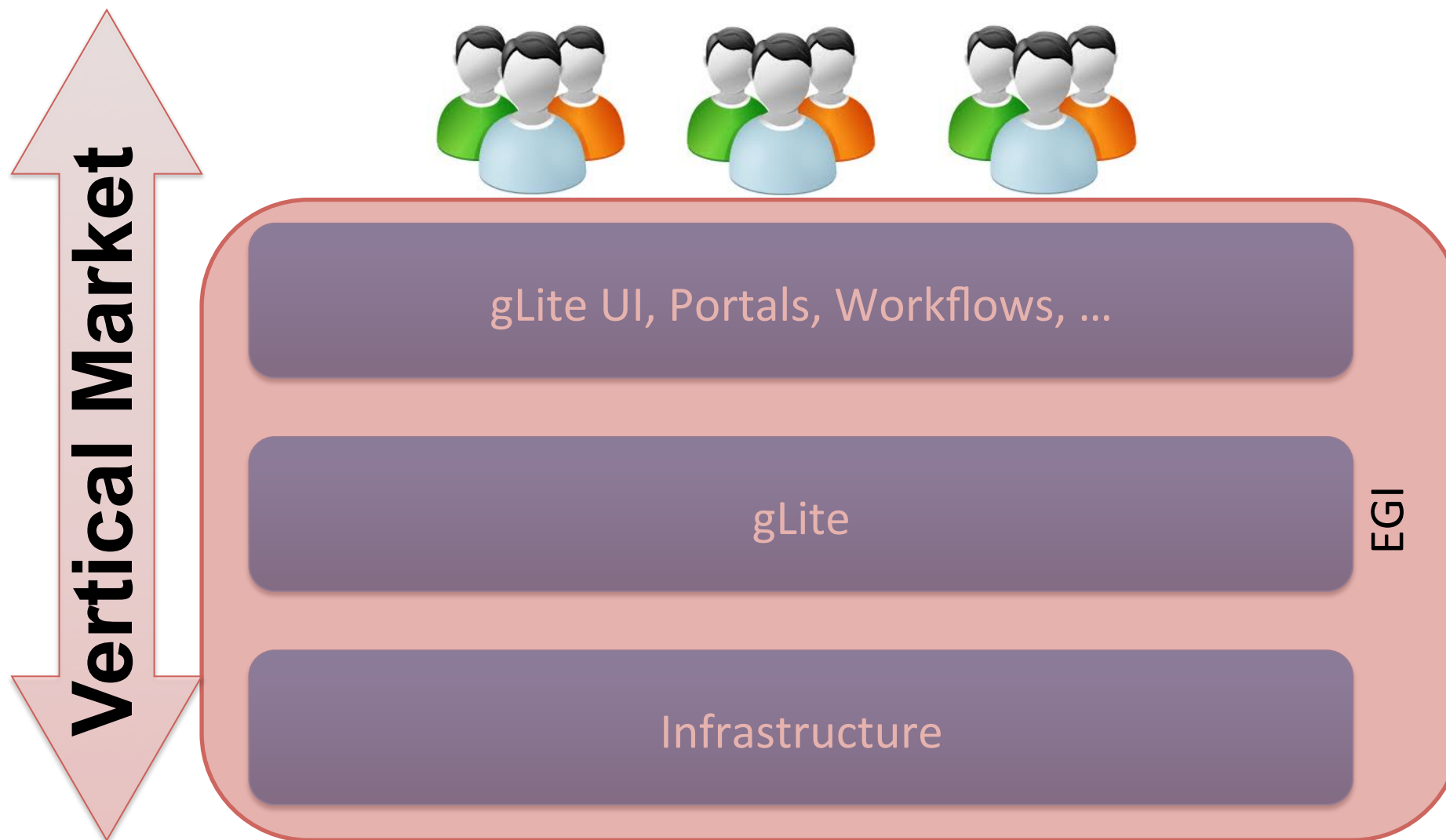


Leibniz stepped reckoner, 1672

- EGEE was a homogenous project
 - Resources, Software & Users
- EGEE served the “Heavy User Communities”
 - High-energy Physics / WLCG
 - Astrophysics
 - Earth Sciences
 - Life Sciences
- ... with one Grid middleware.



Why did this work out?

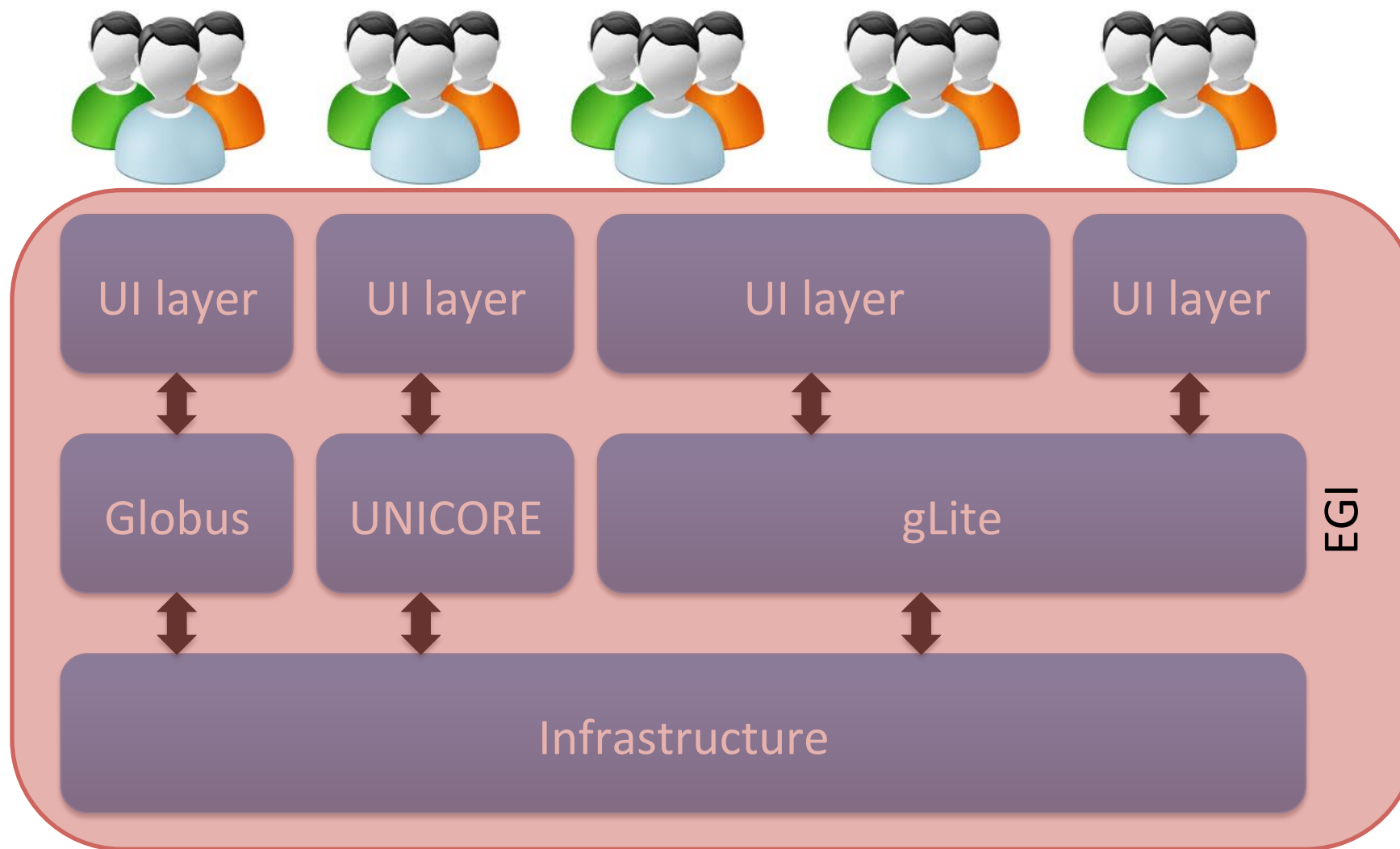


Does it scale?



EGI currently serves about **20,000** researchers

Scaling out the current model



Does it scale?

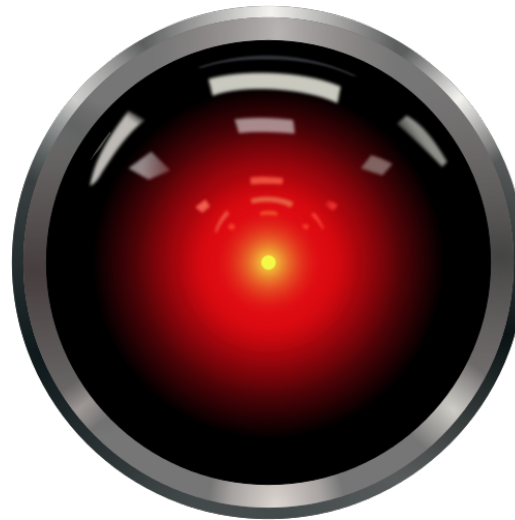


Public sector: **2,000,000** researchers!

We might have a problem...



Where are we heading?



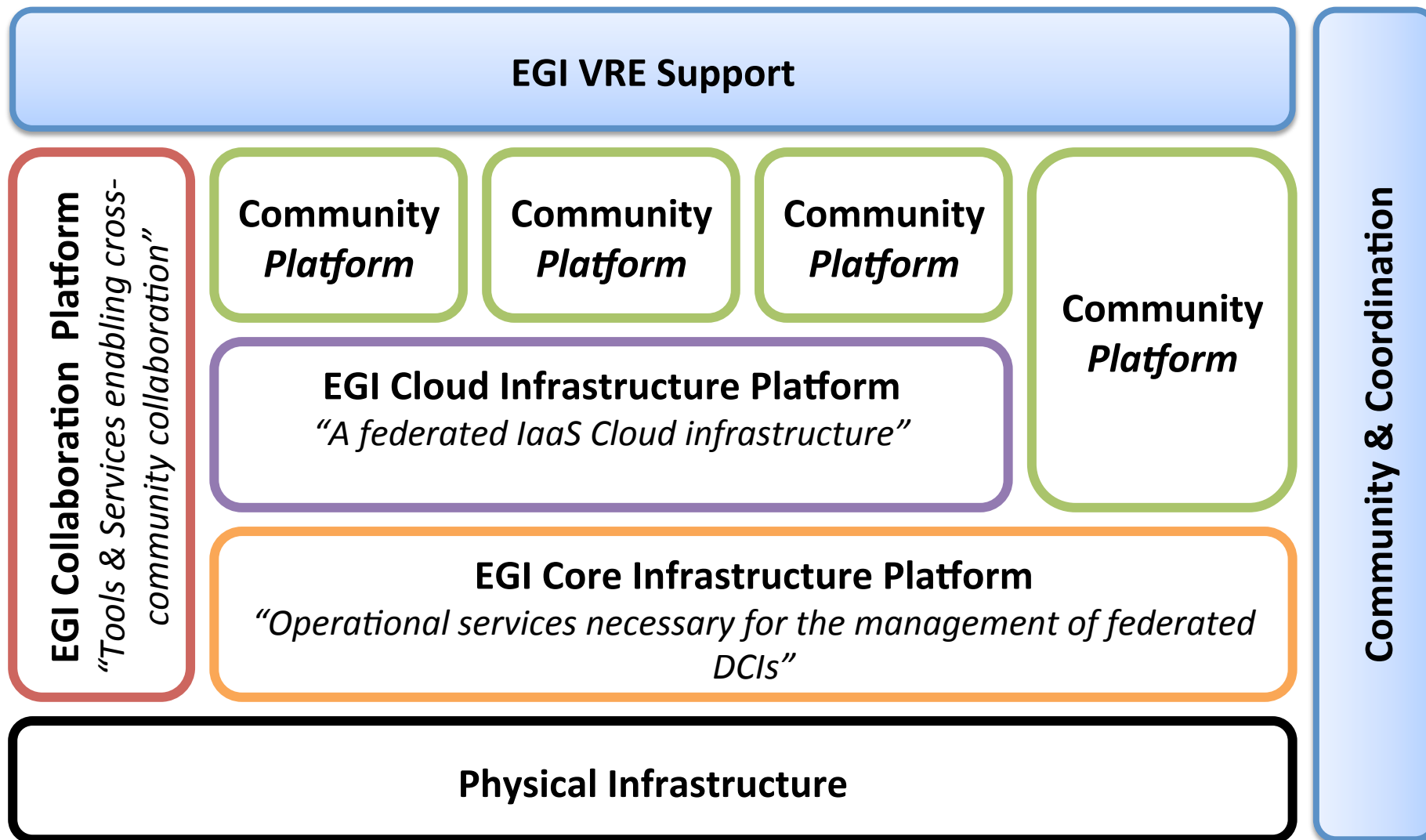
HAL 9000

“Three pillars supporting the EGI ecosystem”

1. Operational Infrastructure
2. Community & Coordination
3. VRE support



EGI Platform architecture

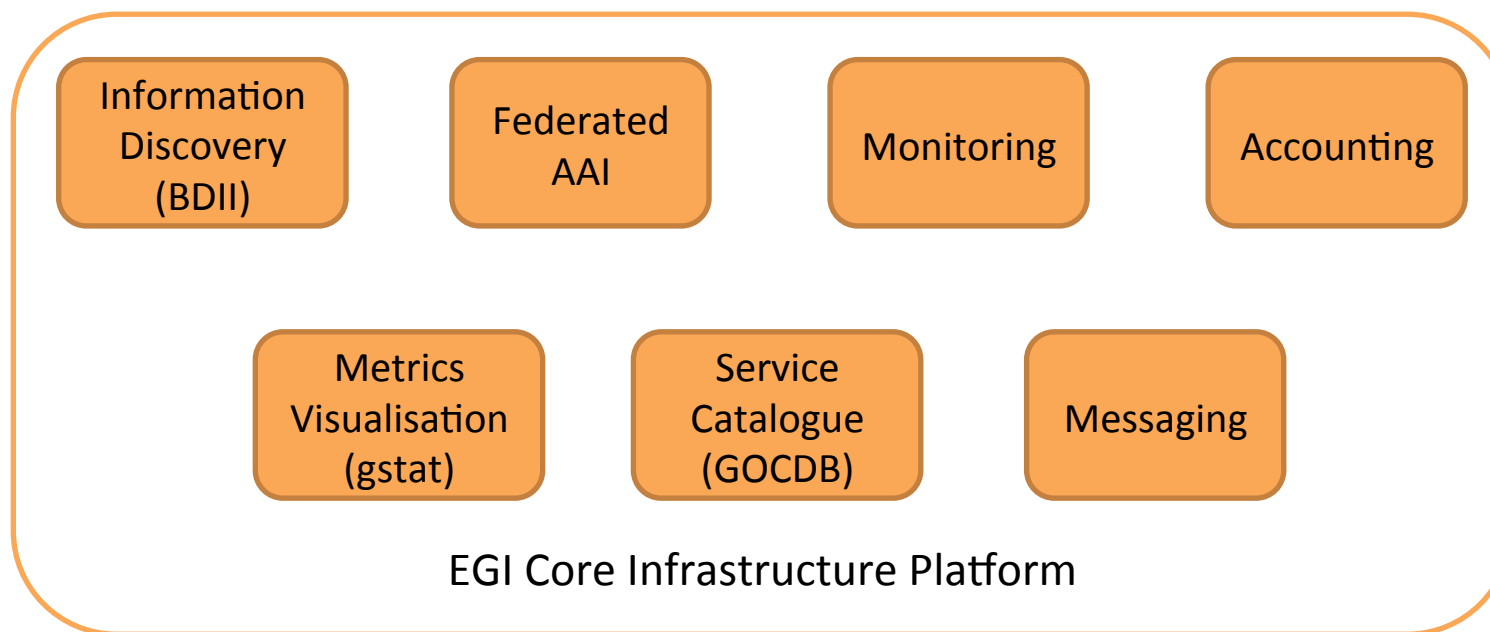


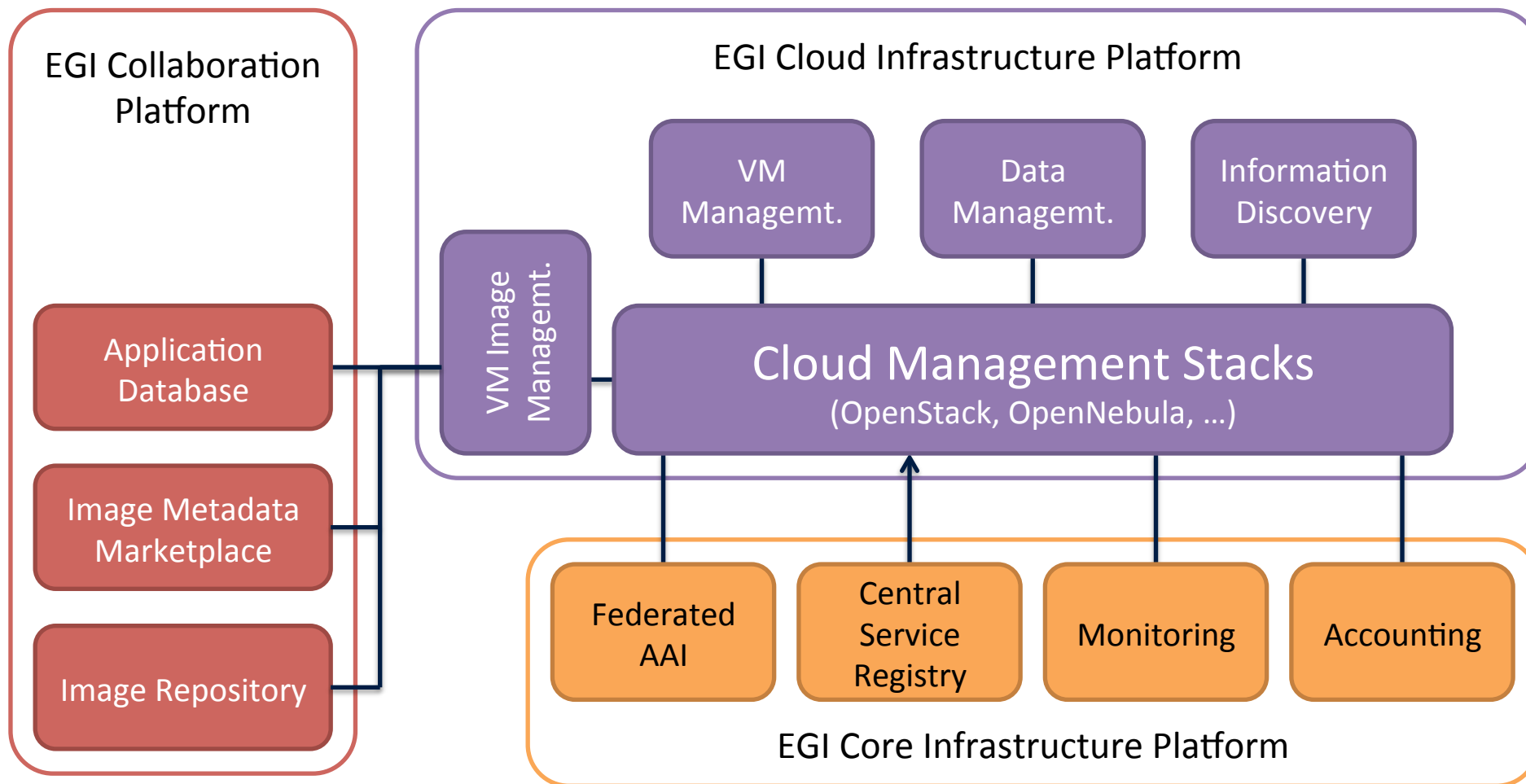
Five characteristics of Cloud computing

[NIST SP 800-145, “A NIST definition of cloud computing”]

1. On-demand self-service
2. Broad network access
3. Resource pooling
4. Rapid elasticity
5. Measured service
6. Consistency through standards (EGI)

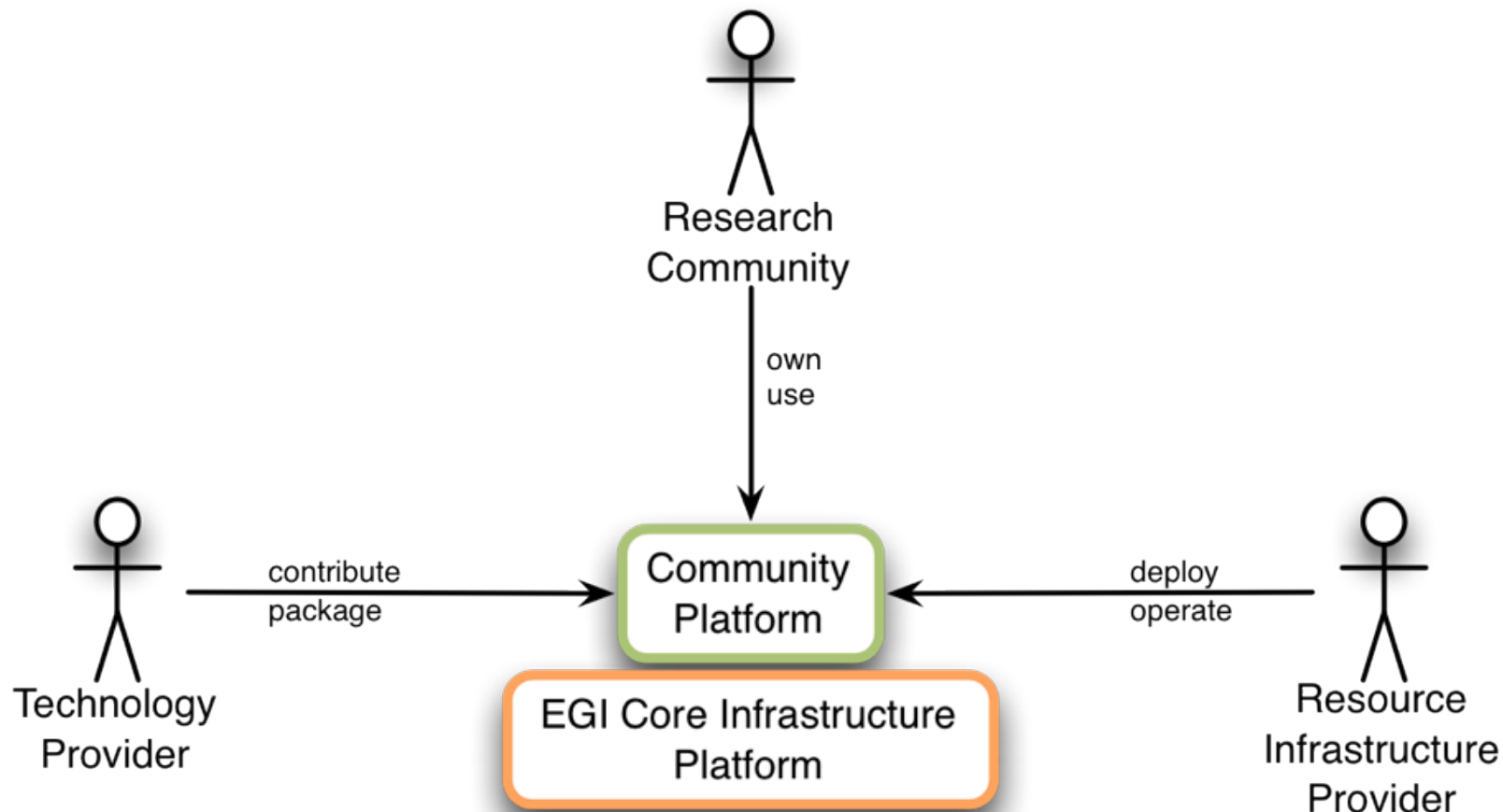
- Pure infrastructure management
 - Other platforms required to integrate
- Mix of central and distributed services





Platform stakeholders in EGI

(1)



Platform stakeholders in EGI

(2)

