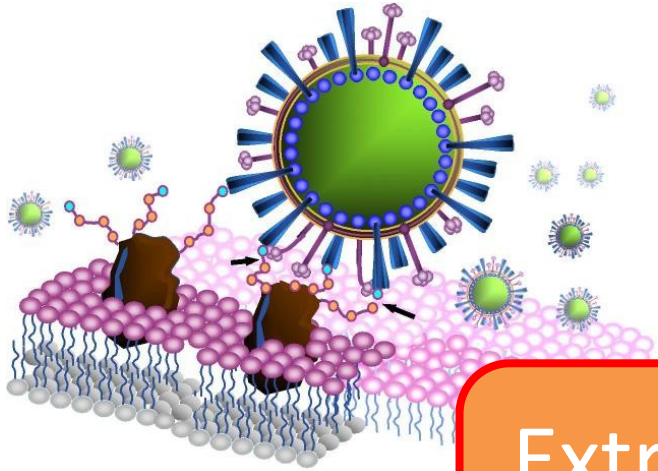
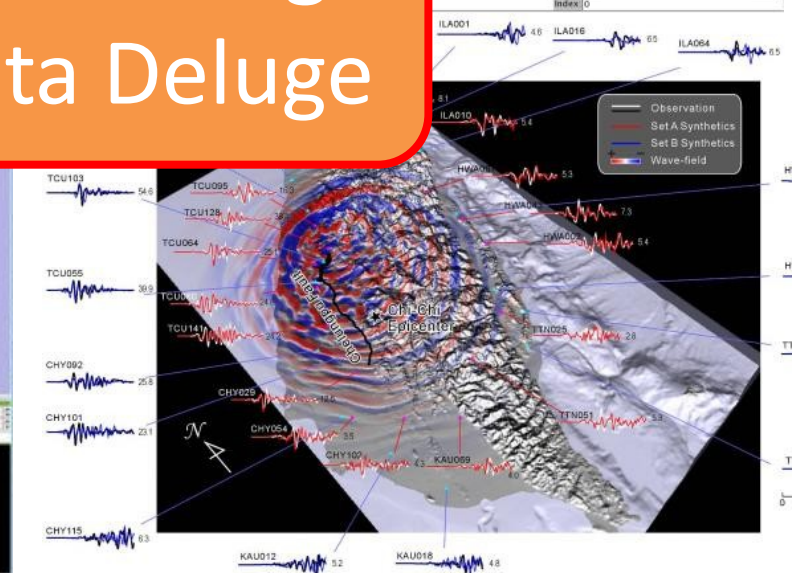
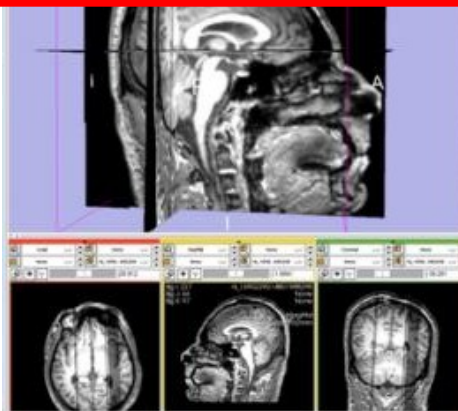


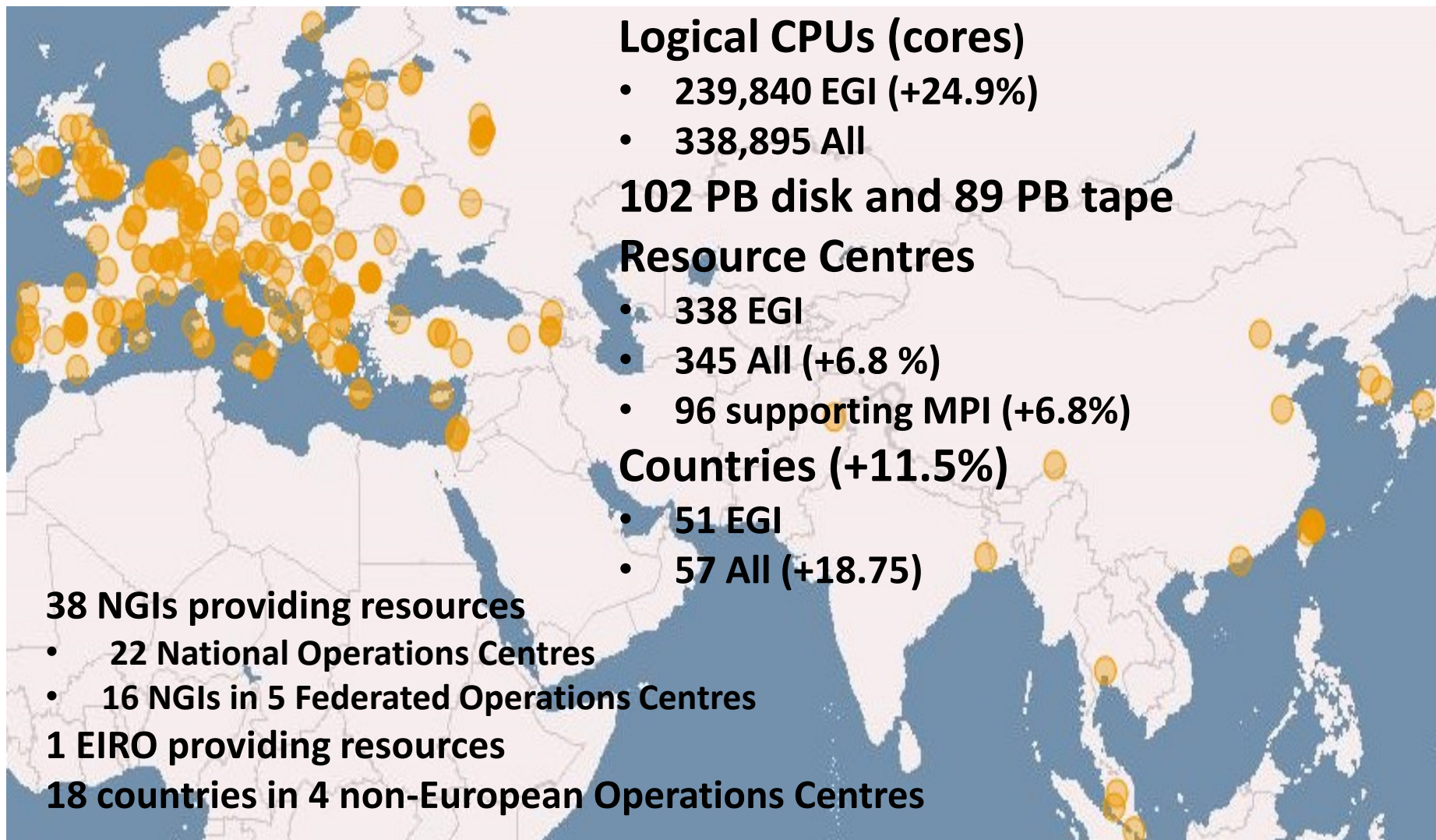
EGI - Identity Management

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Extracting Knowledge from the Data Deluge



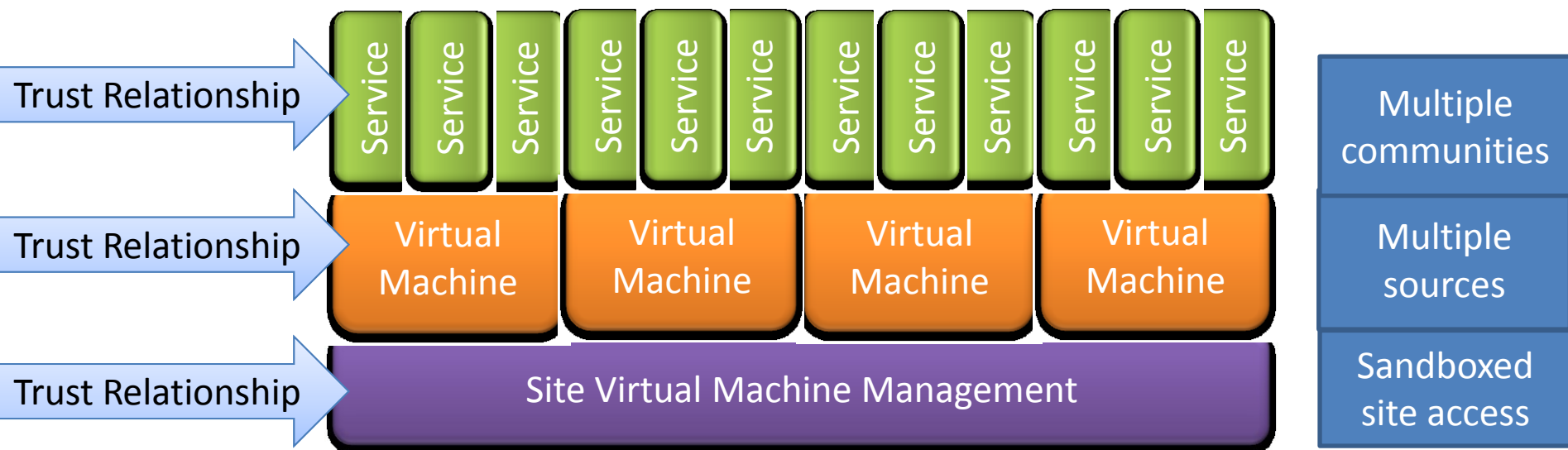


- Federated Pan-European Infrastructure
 - Need to deal with local laws & processes
 - Complex as part of a global collaboration
 - **Resource access needs to managed**
- Support multi-disciplinary user communities
 - Each community has different operating models
 - Different levels of technology expertise & use
 - **Resource access tuned to the community**

- Authentication token needs to be trusted
 - Requires auditable procedures to give value
 - e.g. X.509 CA in the EUGridPMA & IGTF
- Attributes need to be trusted
 - Based on the individual, e.g. staff/student
 - Based on their community e.g. VO membership VOMS
- Authorisation separated from authentication
 - Performed locally for each service, e.g. ARGUS
- Agreed common policies underpin technology

- Major concern for the EGI Council
 - Local interpretation of international laws
 - Compliance needs to be demonstrated
- **Need: Nationality Attribute**
 - No attribute → may mean no access

- Virtualisation changes the relationships



- Multiple trust relationships
- Multiple trust levels

- Global interoperability is essential
 - e.g. X.509, Kerberos, SAML, ...
- Link quality of attribute to authorisation
 - e.g. photo ID linked to IGTF X.509 certificate
 - e.g. verified email address linked to login
- Ease of use critical to wider adoption
 - e.g. short-lived certificate servers, security token servers
 - Convert ‘normal’ ID tokens to ‘Grid’ tokens

- Virtualisation changes the game
 - Can separate management from use
- Security of the whole infrastructure critical
 - Traceability across different tokens key
- Need solutions with global scope
 - Either deployment or interoperability

- Contact: director@egi.eu