

GridPP

UK Computing for Particle Physics

European Evolution: EGI and beyond

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Science & Technology
Facilities Council

- EGI ENGAGE
 - what is it?
 - UK roles
- EGI Strategy: looking beyond the current project
 - EGI Strategy
 - Open Science Commons
- The European agenda
 - 2016/17 Horizon 2020 draft programmes
 - EU T0

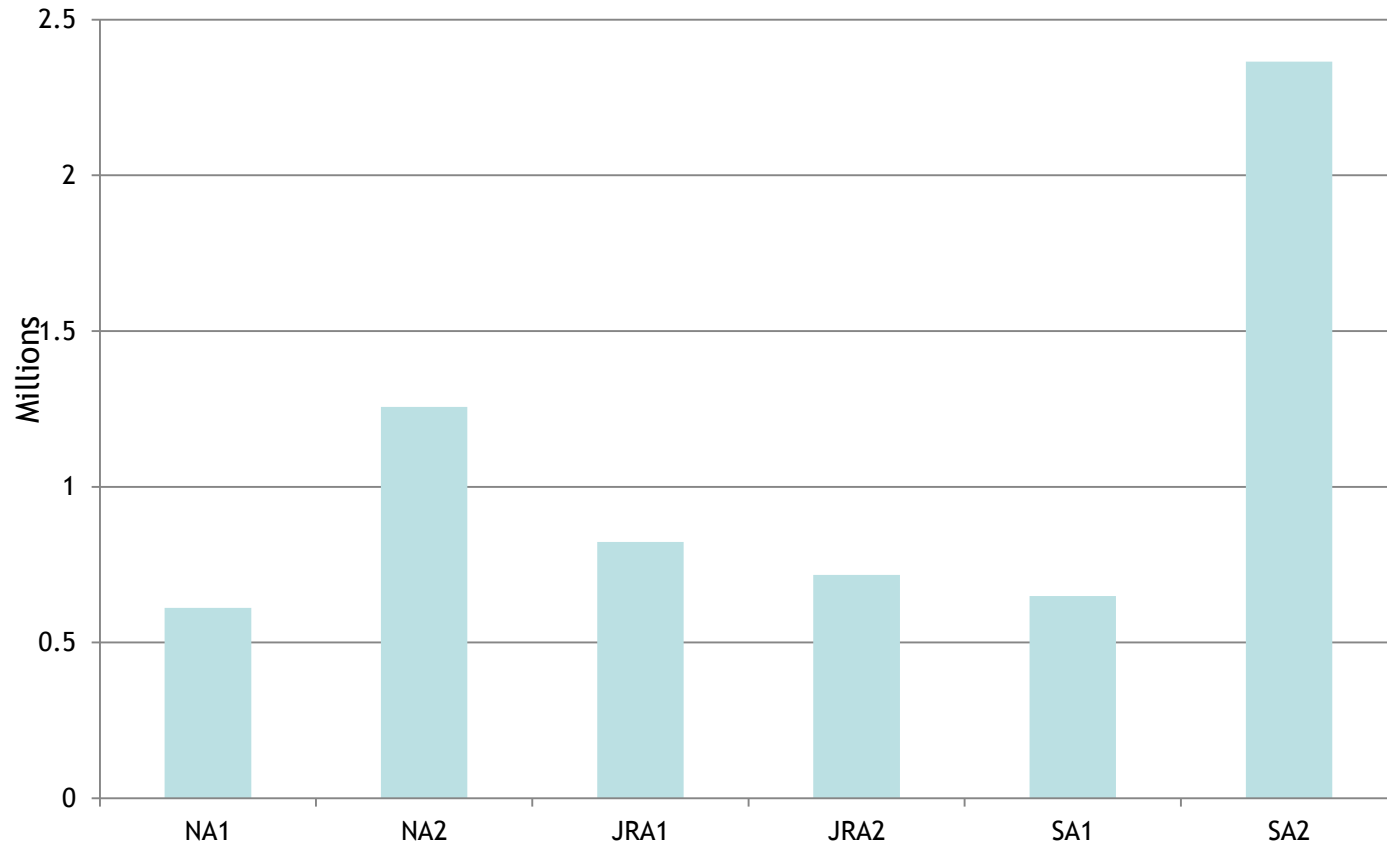
What is EGI Engage?

- 30 countries, >70 institutions
- 30 month project, started March 2015
- Co-funded by EC through H2020, €8 million + EGI.eu co-funding for core services (APEL, GOCDB, Security etc)
- Scored 15/15 in review, ranked top of its call
- Project aims:
 - “To accelerate the implementation of the **Open Science Commons** by expanding the capabilities of a European backbone of federated services for compute, storage, data, communication, knowledge and expertise, complementing community-specific capabilities”

Project structure

- WP1: Management
- WP2: Strategy, Policy and Communications
- WP3: e-Infrastructure Commons
 - Development of the core services required for a distributed computing infrastructure: accounting, monitoring, operations portal etc UK
- WP4: Platforms for the Data Commons
 - Advancing technical infrastructure, e.g. federated cloud, federated data platform, accelerated computing (GPGPUs...)
- WP5: Operations
 - Operations co-ordination, including security UK
- WP6: Knowledge commons
 - 8 community CCs (co-development) + training + technical support UK

Budget



ELIXIR

Life Sciences

EISCAT_3D

Radar

EPOS

Earth Sciences

BBMRI

Biobank

Disaster Mitigation

Climate and natural disasters

MoBrain

Structural Biology

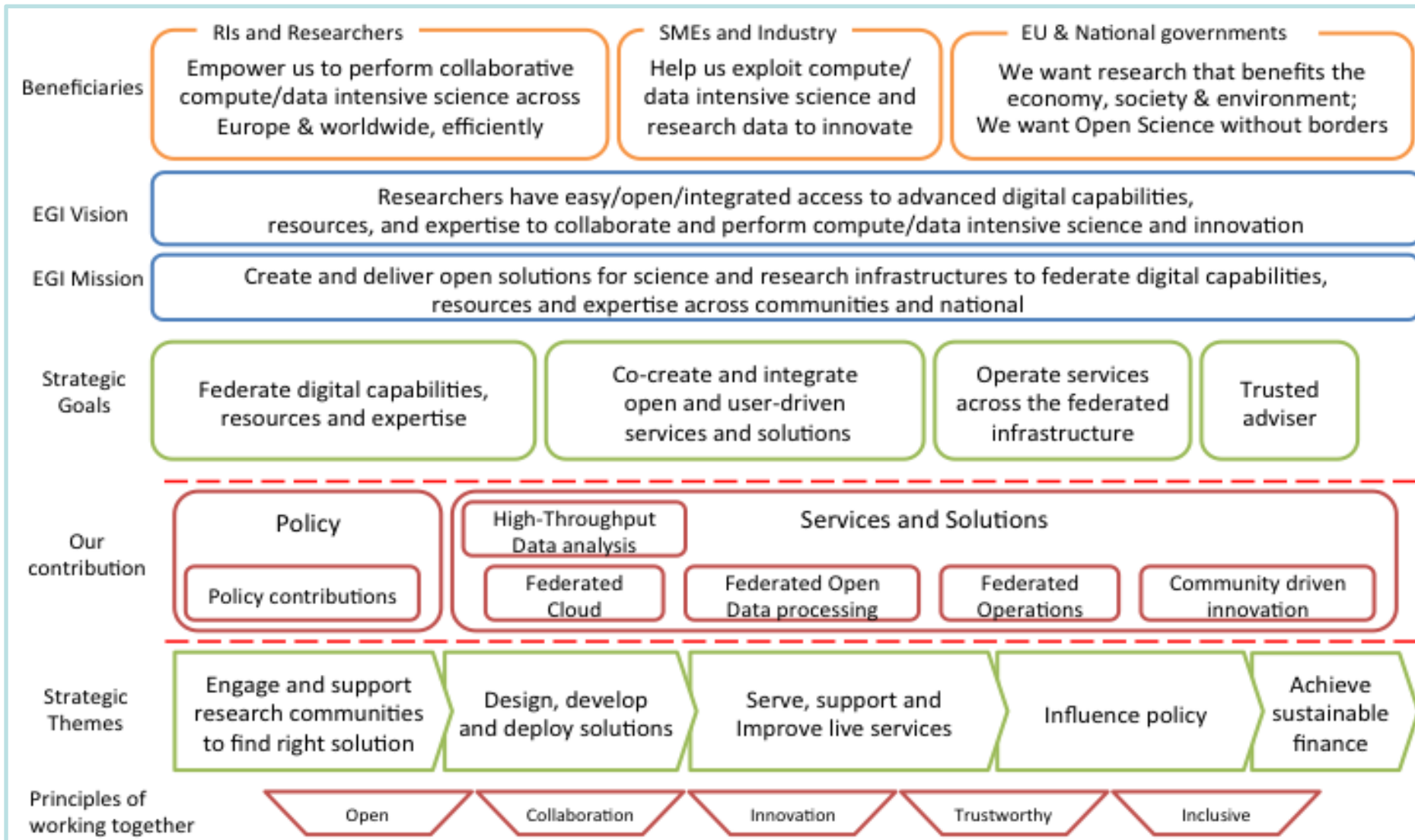
DARIAH

Arts & Humanities

LifeWatch

Biodiversity

EGI Strategy



- ERA Communication (on 17 July 2012),

"remove all barriers preventing seamless online access to digital research services for collaboration, computing and accessing information and to e-infrastructures by promoting a digital ERA“

- e-IRG White Paper (2013):
European e-Infrastructure Commons

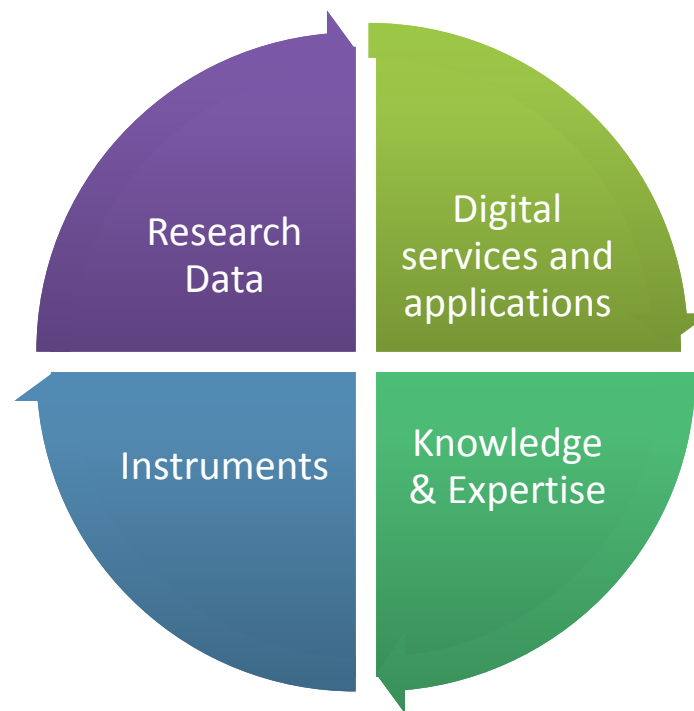
- Open Science Commons (2015, EGI led)



*Opening of the **creation** and **dissemination** of **scholarly knowledge** towards a multitude of stakeholders, from professional researchers to citizens*

It needs:

- Shared resources
 - Integrated, easy and fair access
- Engaged communities
 - Participating in the process
 - Collaborating in the management and stewardship
- Governance
 - Rules to access/exclude
 - Rules to resolve conflicts
- Financial support
 - For long-term availability



An overarching vision for an Open Science Commons

Commons

Institutionalised community governance of the production and/or sharing of a particular type of resource (from natural to intellectual)



Open Science Commons vision

Researchers from all disciplines have easy, integrated and open access to the advanced digital services, scientific instruments, data, knowledge and expertise they need to collaborate and achieve excellence in science, research and innovation. They feel engaged in governing, managing and preserving these resources for everyone's benefit, with the support of all stakeholders

website: www.opensciencecommons.org - paper: <http://go.egi.eu/osc>



1st Open Science Commons Workshop



19 May 2015, Lisbon (Portugal)
09:00-10:30 (keynotes)
11:00-17:00

(workshop) <https://indico.eqi.eu/indico/sessionDisplay.py?sessionId=100&confId=2452#20150519>

Advancing on the Open Science Commons:
Governance, policies, benefits, role of stakeholders,
actions and roadmap

JOIN US: <http://conf2015.eqi.eu/>

Drafts of Work Programmes undergone consultation

Clear message: joining up

- **Theme 1 - Integration and consolidation of e-infrastructure platforms supporting European policies and research and education communities**
 - EINFRA-1.1 Support to the next implementation phase of Pan-European High Performance Computing infrastructure and services (PRACE) (€15M)
 - EINFRA-1.2 Data and Distributed Computing e-infrastructures for Open Science (€30M)
 - **Secure and agile data and distributed computing e-infrastructures**
 - **Access and preservation platforms for scientific information**
 - EINFRA-1.3 e-infrastructure for Open Science (€10M)
 - GEANT (€50M)

EU-TO DATA RESEARCH AND INNOVATION HUB

THE TIER 0 FEDERATED EUROPEAN RESEARCH E-INFRASTRUCTURES
FOR SCIENTIFIC INTENSIVE DATA MANAGEMENT

EU-TO

- Consortium of funding agencies
(CERN, CIEMAT, DESY, IFAE, IN2P3, INFN, KIT and STFC)
- Forum where senior funders come together
- UK different to many others
- Opportunity to attract new communities to our T1
- Opportunity for members to group together to propose new projects where a need exists that is not served by any existing projects/groups

“joining up” / new community engagement message from

- STFC via EU T0/UK T0
- EGI
- EC

RCUK will appoint the UK EGI Council Member when EGI Statutes change (after May 15)

- EGI no longer viewed as just STFC/GridPP NGI activity

Opportunity for UK sites to engage in EGI Competency Centres where local interest exists - contact me/NGI



Questions?

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