

FCT

Fundação para a Ciência e a Tecnologia
MINISTÉRIO DA CIÊNCIA, TECNOLOGIA E ENSINO SUPERIOR

FCCN

Computação
Científica Nacional

**Information Day
European Research Infrastructures
(including e-Infrastructures)**

The Portuguese e-Infrastructure for the Open Science era

João Nuno Ferreira



COM 2016/178 (19 April 2016) – European Cloud Initiative

3 pillars

European Open Science Cloud (EOSC)

- ✓ Integration and consolidation of e-infrastructures
- ✓ Federation of existing research infrastructures and scientific clouds
- ✓ Development of cloud-based services for Open Science
- ✓ Connection of ESFRIs to the EOSC

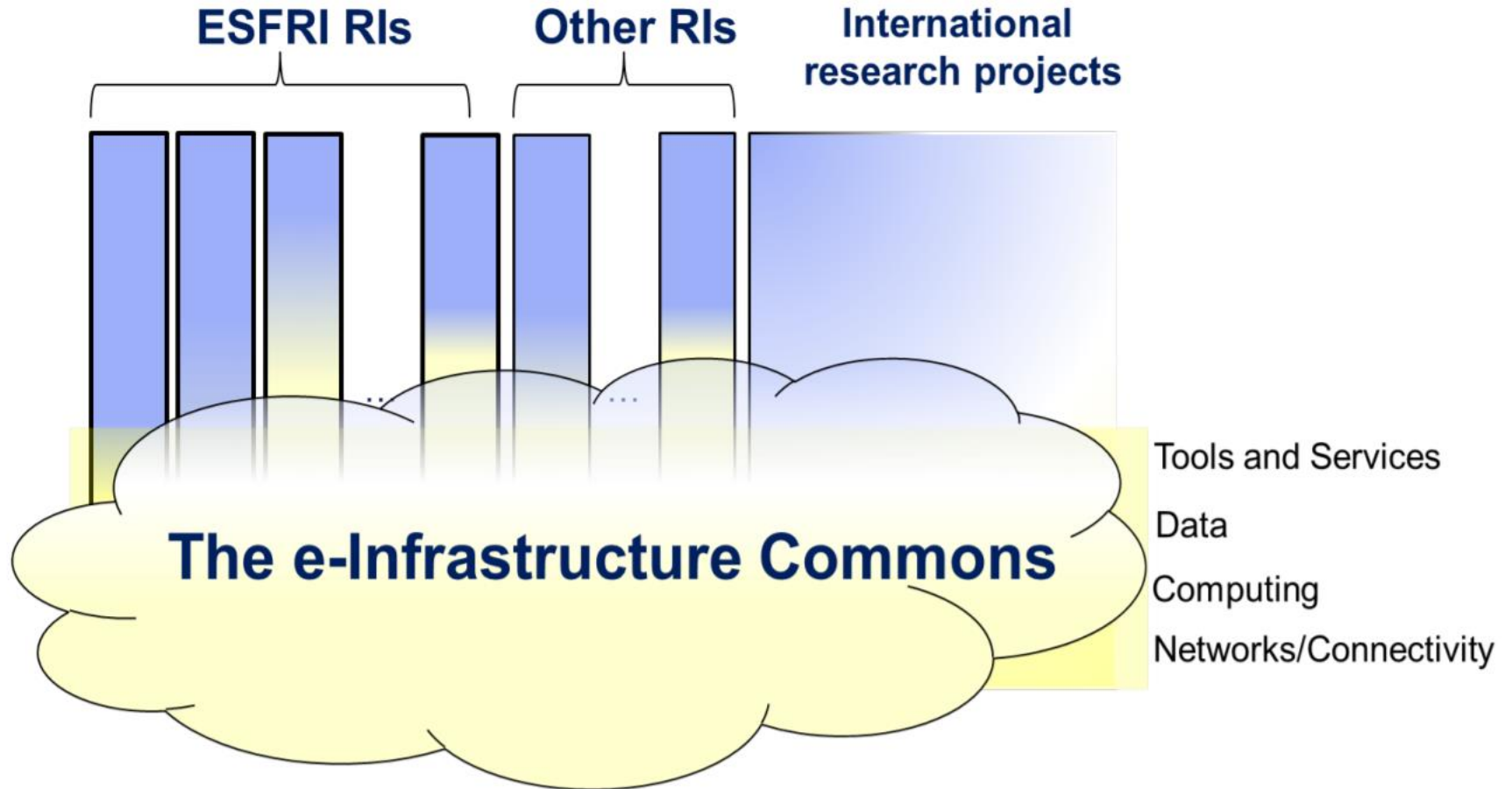
European Data Infrastructure (EDI)

- ✓ Development and deployment of large-scale European HPC, data and network infrastructure

Widening access

- ✓ SMEs, Industry at large, Government

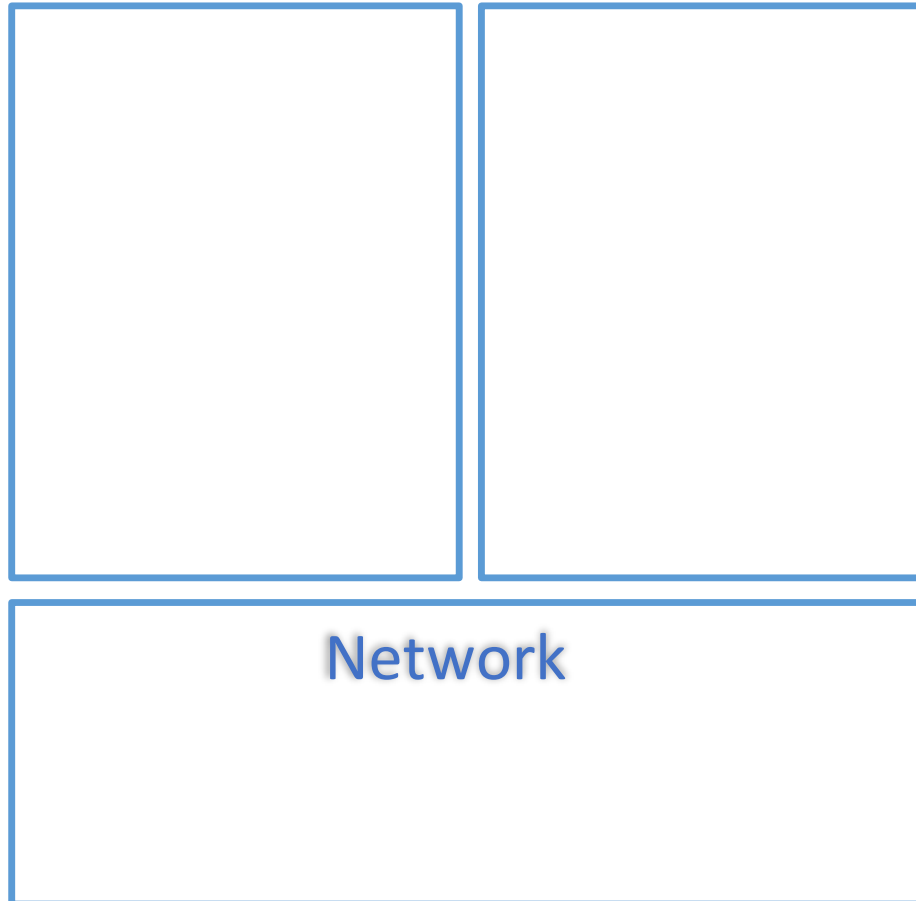




E-INFRAS.PT

Computing

Data



Network

Network

RCTS **aa*i***
REDE CIÊNCIA, TECNOLOGIA E SOCIEDADE

PTCRIS
Connected Research


RCTS housing

RCTS IP 

RCTS Plus 

RCTS Lambda 

RCTS Fibra 

GÉANT 
connect • communicate • collaborate


GigaPIX

 Red IRIS

40

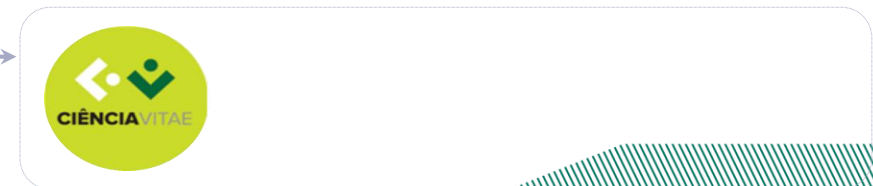
Participants



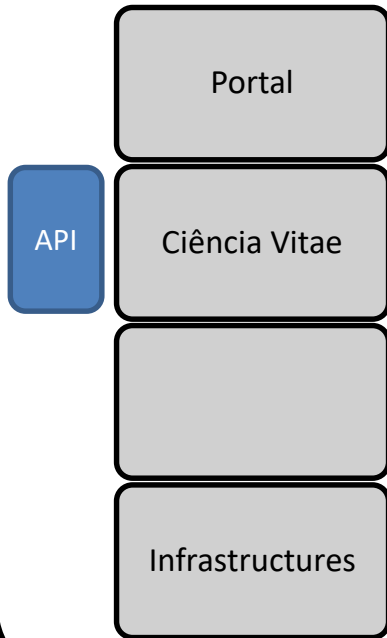
1700
Services



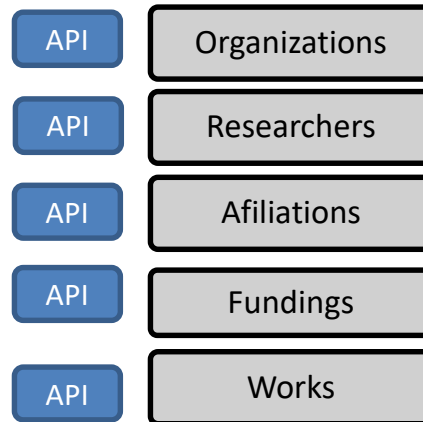
33
Services



Services



Infrastructures



Framework



European Data Infrastructure

European Open Science Cloud

Computing

EuroHPC

Nacional Node
EuroHPC

STAMP

RCTS Engine



GÉANT CloudServices
CONNECTING RESEARCH AND EDUCATION TO THE CLOUD



Data

GO FAIR Portugal
(GO Build)



European
Open Science
Cloud



European Data Infrastructure

E-INFRASTRUCTURE

European Open Science Cloud

Computing

Data

EuroHPC

Nacional Node EuroHPC

STAMP

LCA Laboratory for Advanced Computing

INCD Infraestrutura Nacional de Computação Distribuída

RCAAP Repositórios Científicos de Acesso Aberto de Portugal

RCTS Engine



RCTS_{aaI} Network

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RCTS housing

RCTS IP RCTS Plus RCTS Lambda RCTS Fibra

