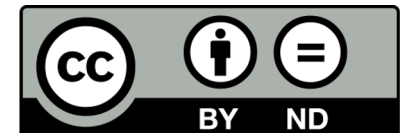


The EOSC-Core

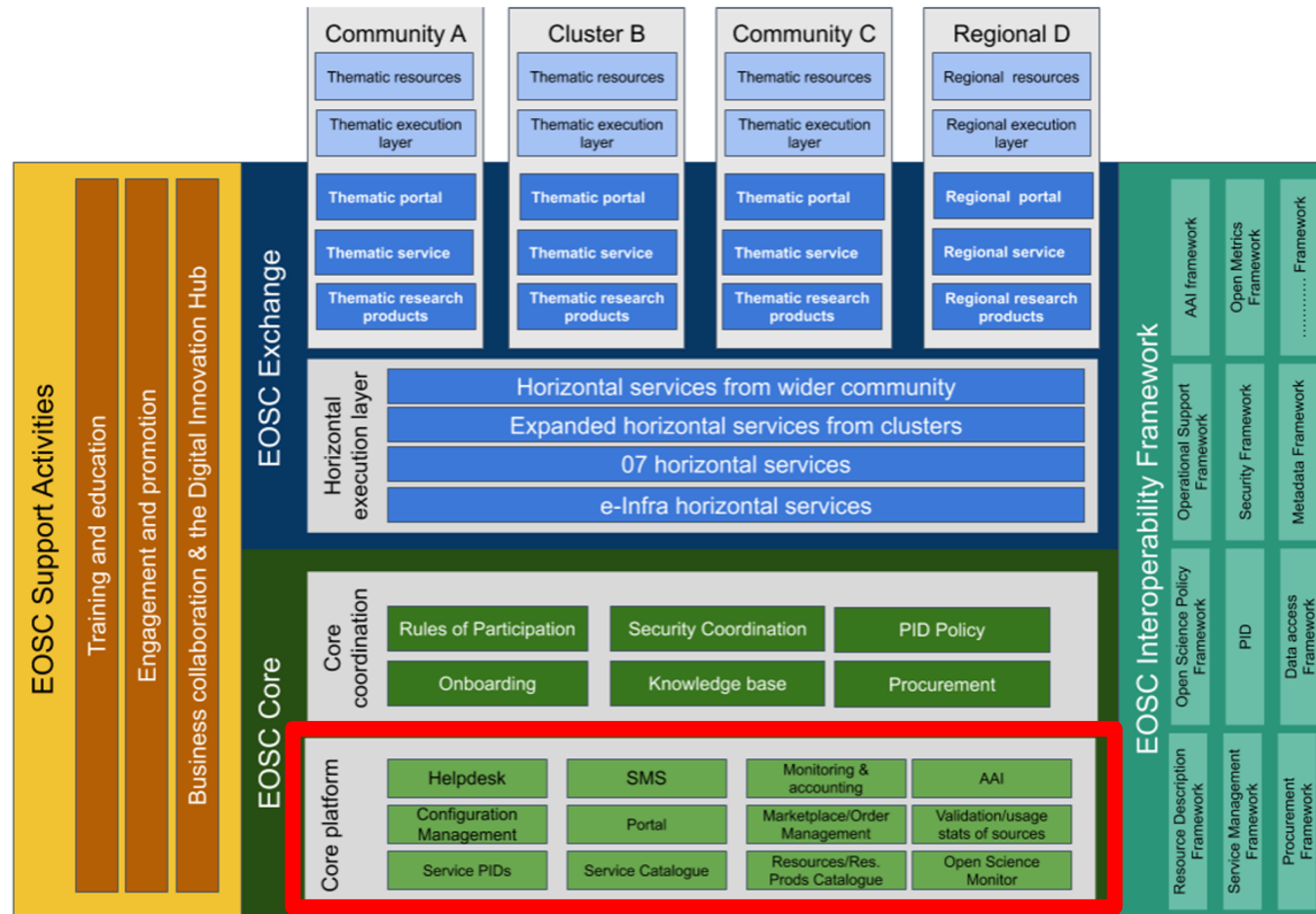
Current status and planned developments

Paolo Manghi (OpenAIRE)
OpenAIRE Chief Technology Officer
EOSC Future TCB Member and WP4 Leader

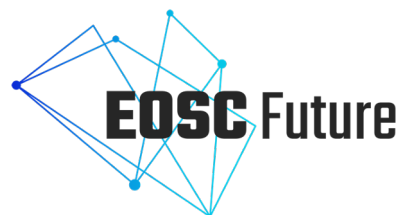
The EOSC Future project is co-funded by the
European Union Horizon Programme call
INFRAEOSC-03-2020, Grant Agreement 101017536



The EOSC-Core platform: from BETA to PROD



Beta EOSC-Core

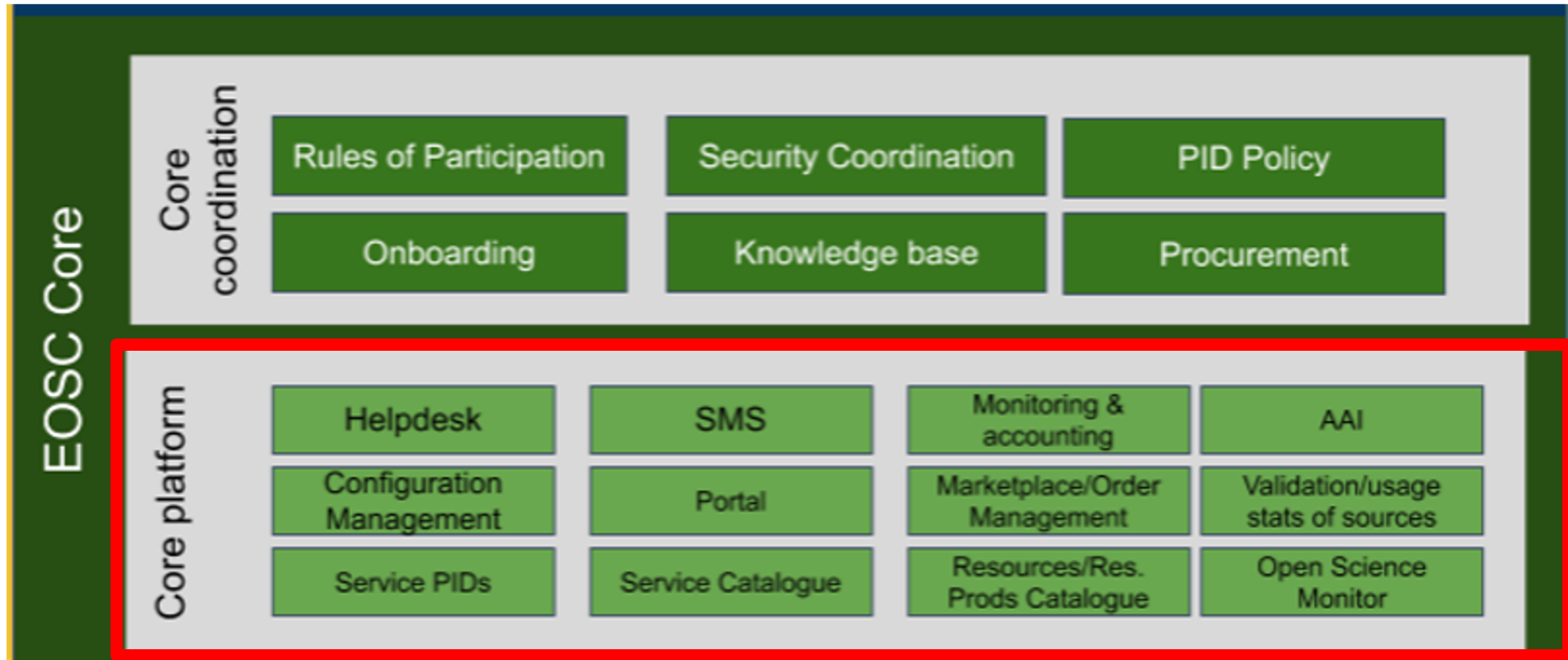


Production EOSC-Core

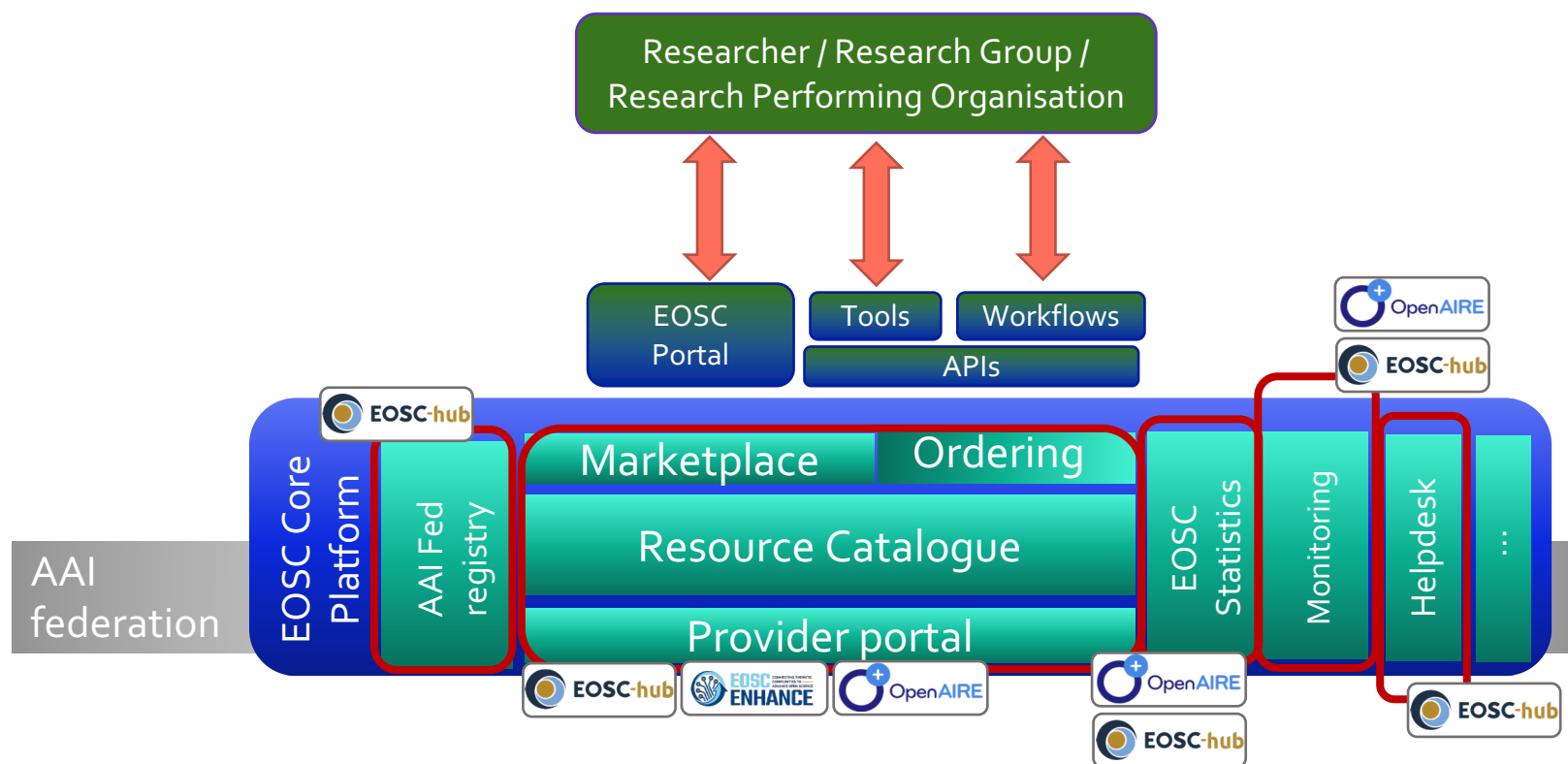


- EOSC Platform Central functions
- Interfaces for (optional) integrations

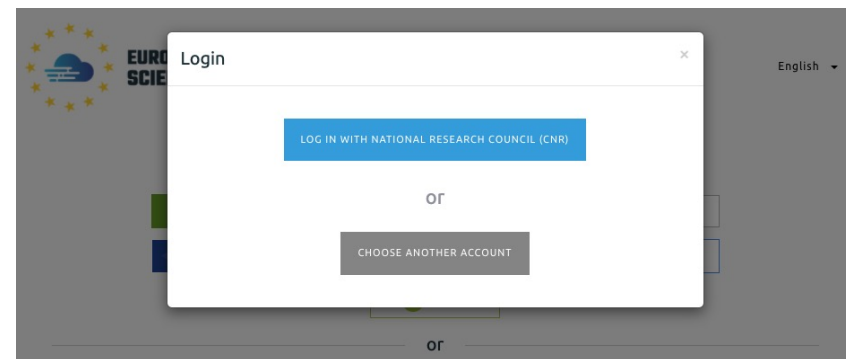
The EOSC-Core platform



EOSC Core Platform

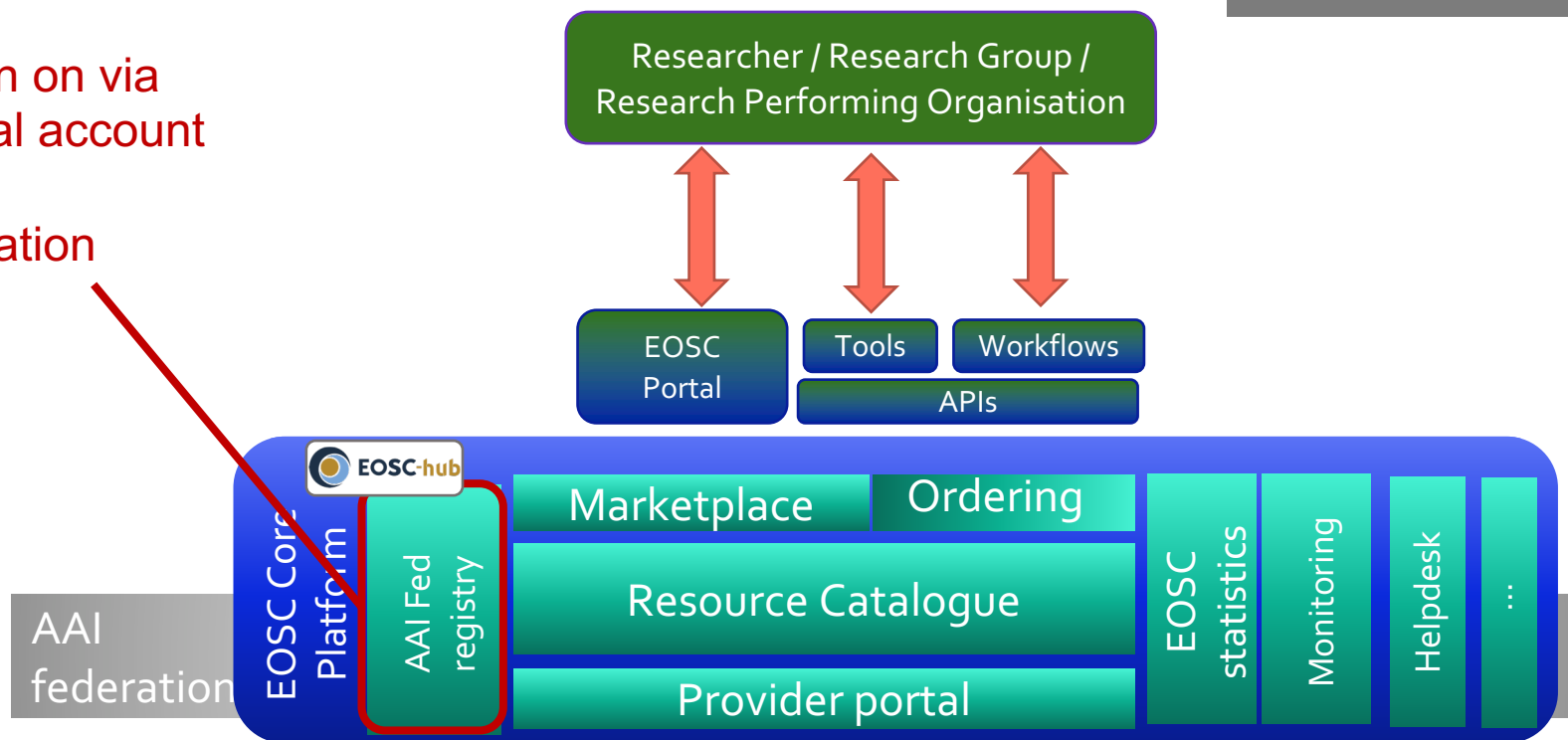


EOSC AAI

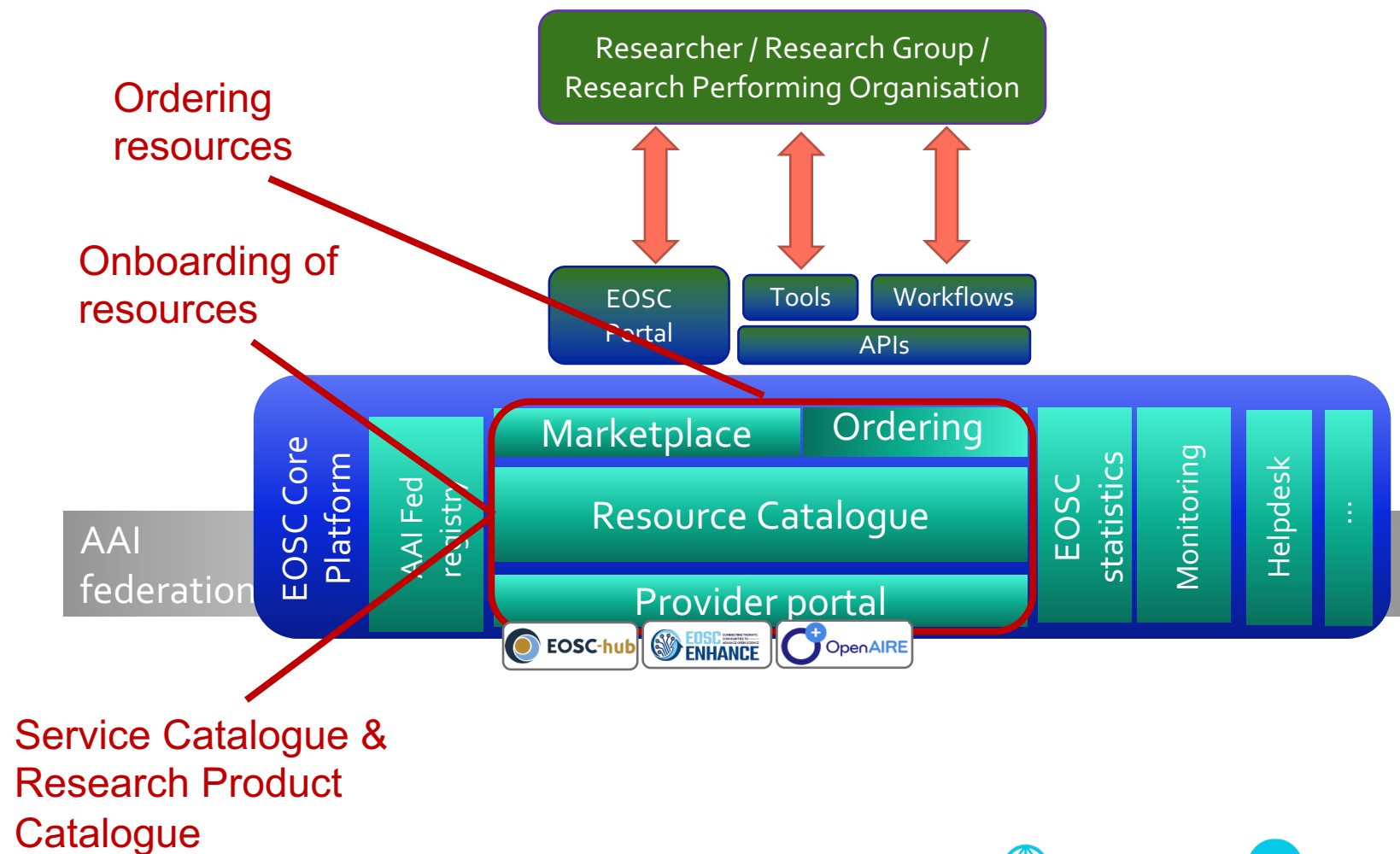


Single sign on via
institutional account

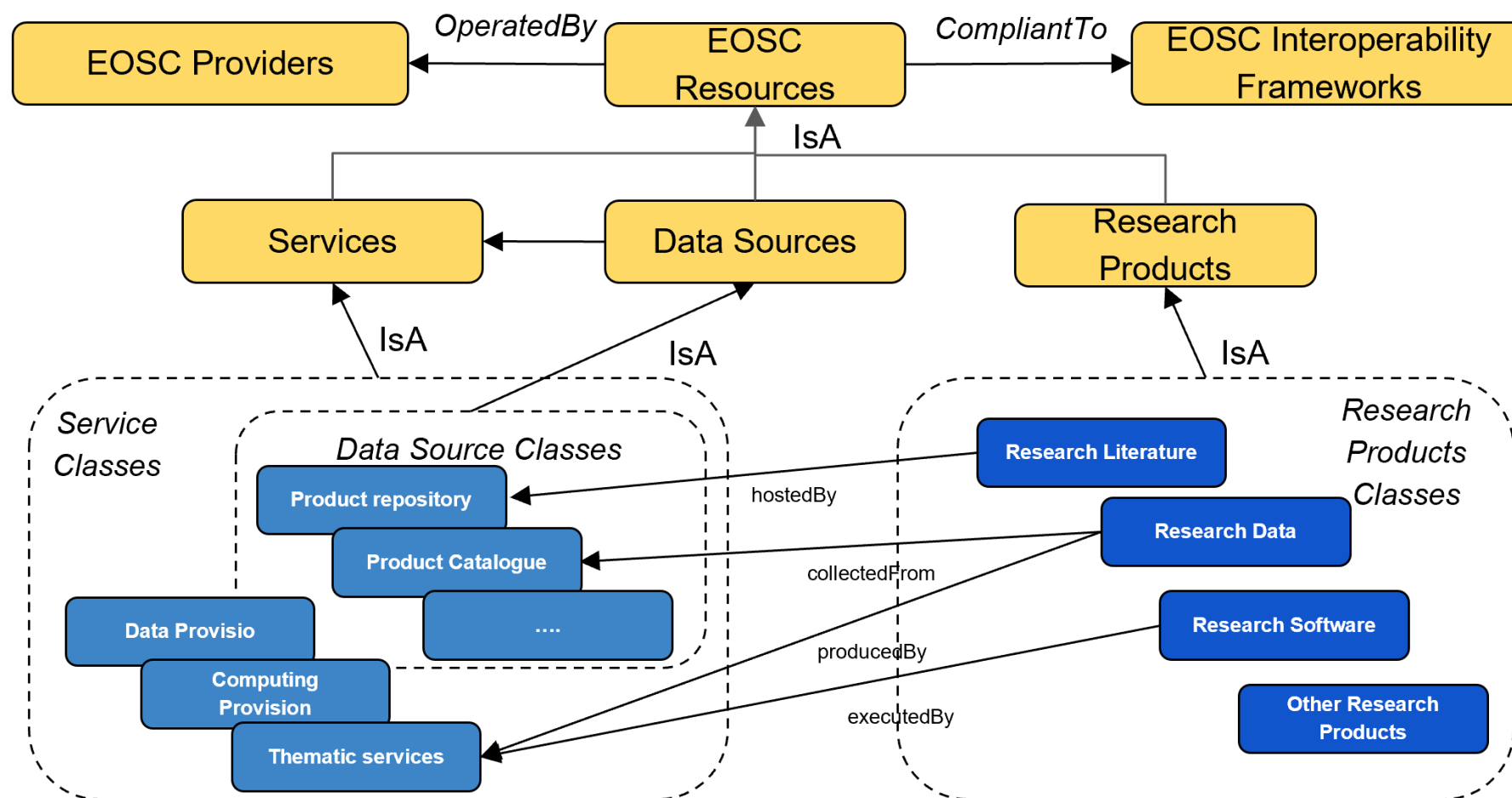
AAI delegation




EOSC Resource Management: Catalogues and Marketplace



EOSC information model: resources and providers





EUROPEAN OPEN
SCIENCE CLOUD

Find resource...

All resour...

Q

My EOSC Marketplace

OpenAIRE EXPLORE

SEARCH DEPOSIT LINK CONTENT PROVIDERS SIGN IN

OpenAIRE EXPLORE

SEARCH DEPOSIT LINK CONTENT PROVIDERS SIGN IN

Resources

All Resources

CATEGORIES

Access physical infrastructure

Aggregators

Processing & Open Science

Security & Open Science

Sharing & Dissemination

Training & Support

Other

FILTERS

Scientific Domains

Find or choose domain

Generic

Generic

Natural Sciences

Earth & Planetary Sciences

Biological Sciences

Restricted (64,456,989)

Open Access (57,088,878)

Closed Access (1,900,813)

Open Source (160,708)

Embargo (26,833)

http://creativecommons.org/licenses/by/4.0/

+ View all

Result Types (4)

☐

Publications

☐

Research data

☐

Software

☐

Other research products

Year range

Find or choose year range

e.g. 1800

-

e.g. 2031

THIS YEAR

LAST 5 YEARS

LAST 10 YEARS

Funder (25)

☐

European Commission (1,043)

☐

National Institutes of Health (323,700)

☐

National Science Foundation (28,000)

Software . 2021

Plot scripts for HCG-16 Project

Jones, Michael G.; Jones, Michael G.;

OPEN ACCESS

Published: 30 Sep 2021

Publisher: B2SHARE

SUMMARY

RELATED RESEARCH

Abstract

These are the notebooks to generate the final data plots of the paper Jones et al. 2019 submitted to Astronomy & Astrophysics. They can be used in a notebooks environment (like https://notebooks.egi.eu/) with the proper libraries installed. A mybinder (https://mybinder.org/) ready version can be started from https://mybinder.org/v2/gh/AMIGA-IAA/hcg-16/master. Data to generate plots is also available from B2SHARE: https://b2share.eudat.eu/records/a69a7b2dcc22449e8734552dde4d3906

Download from

B2SHARE

Software . 2021

Provider: B2FIND

B2SHARE

Twitter

Facebook

LinkedIn

YouTube

Instagram

SoundCloud

Spotify

Medium

ResearchGate

ORCID

Scopus

Publons

PubPeer

Open Access

LINK THIS SOFTWARE TO...

CITE THIS SOFTWARE

ADD TO ORCID

ADD ANNOTATION

EOSC SERVICE: EGI NOTEBOOK

EOSC Future

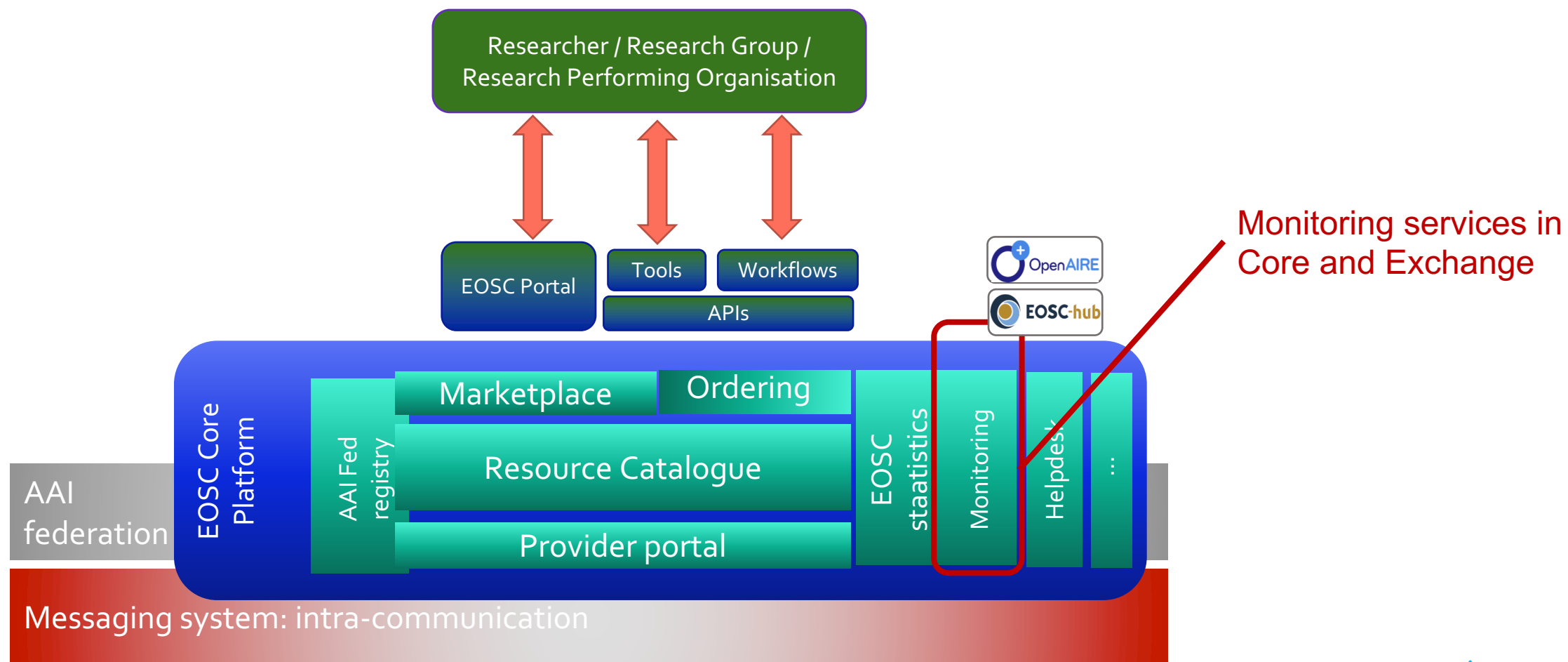
 eoscfuture.eu

 @EOSCFuture

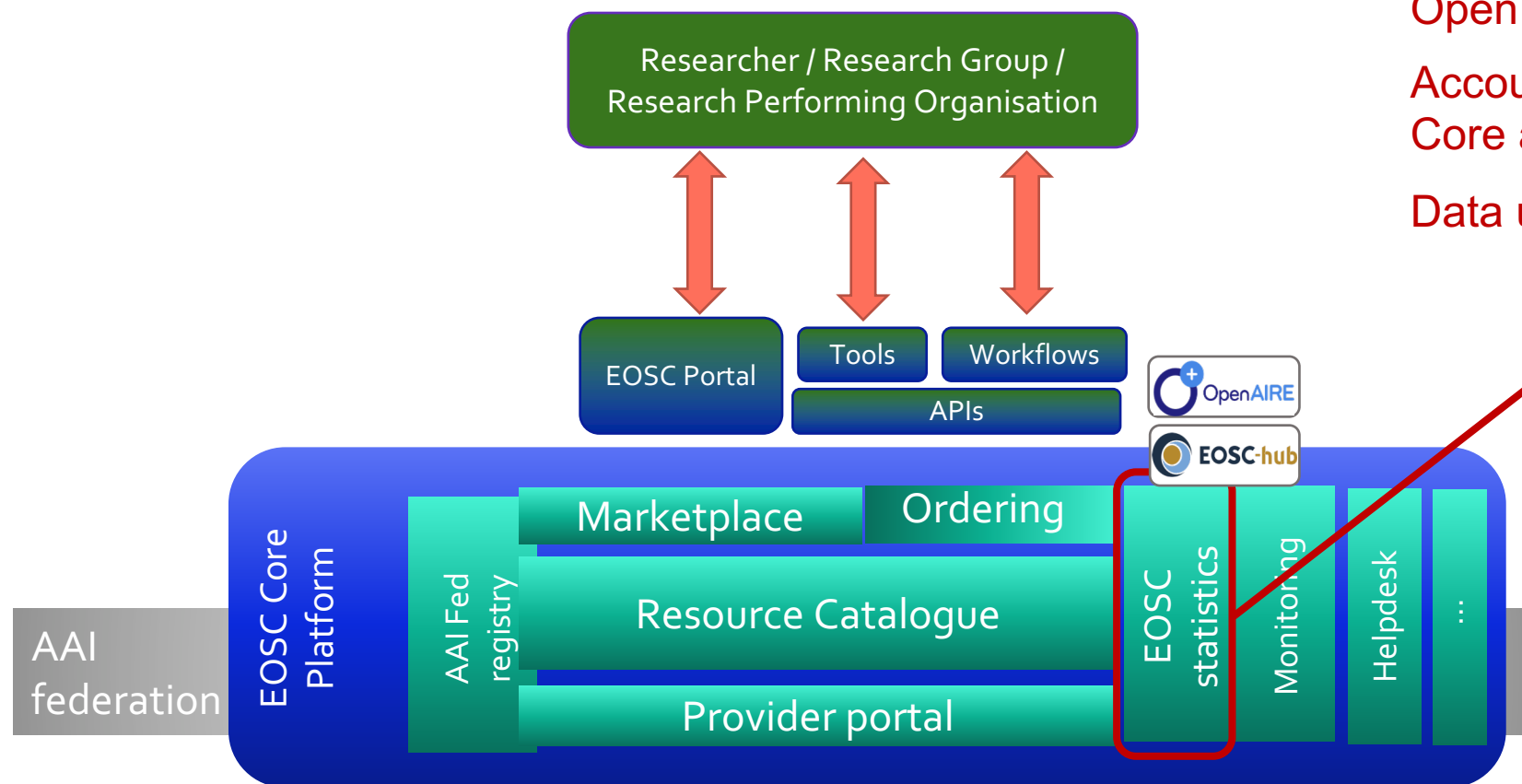
 EOSCfuture



EOSC Monitoring & Messaging Bus



EOSC Statistics



EOSC Core stats

Open Science stats

Accounting for services in
Core and Exchange

Data usage stats

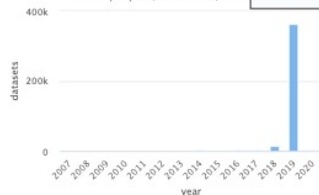
Number of Research Data

393,546

Research Data
per country



Research Data
per year (2007 - 2020)



Report for European Commission

Boundaries :

2018-11-01 / 2021-09-30

LIST

STATS PER MONTH

EOSC Portal Metrics

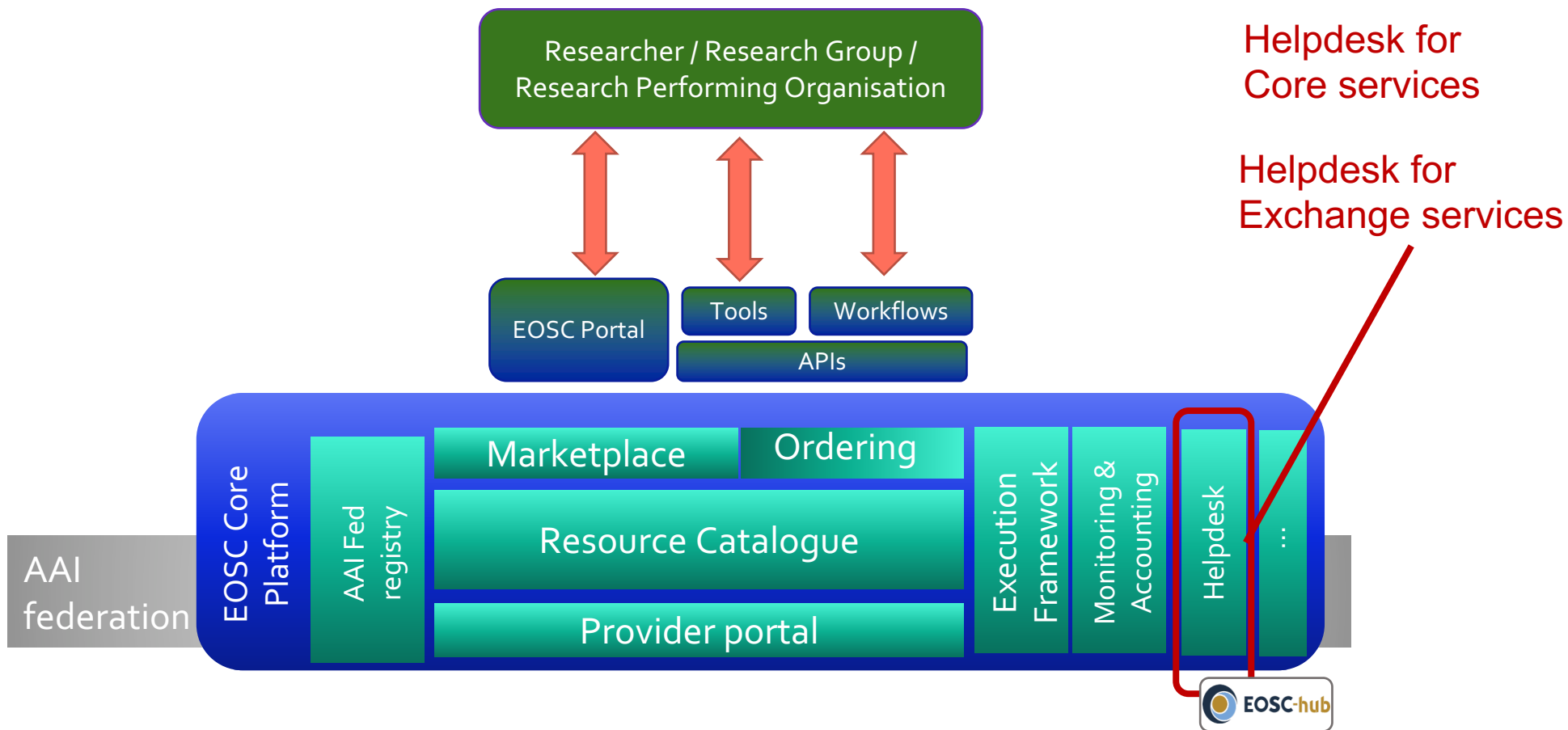
Service and providers

311	Number of services in the EOSC Marketplace	Total number at the report time	i
0	Number of request from providers about new service	Total number of services providers published during the period	i

Visitors and views

5,065	Number of visitors of EOSC Portal + Marketplace	average/month	i
18,237	Number of page views for EOSC Portal + Marketplace	average/month	i

EOSC Helpdesk



EOSC Core platform

Helpdesk: new open-source technology selected after assessment: [Zammad](#)

Portal: portals for individual products, technical roadmap of integration into one portal

Monitoring: Initial instances for both [EOSC Core](#) and [EOSC Exchange](#)

Accounting: [Data Usage stats](#), [Open Science stats](#), and [EOSC Portal Stats](#)

Service Management System: handover from EOSC-hub.

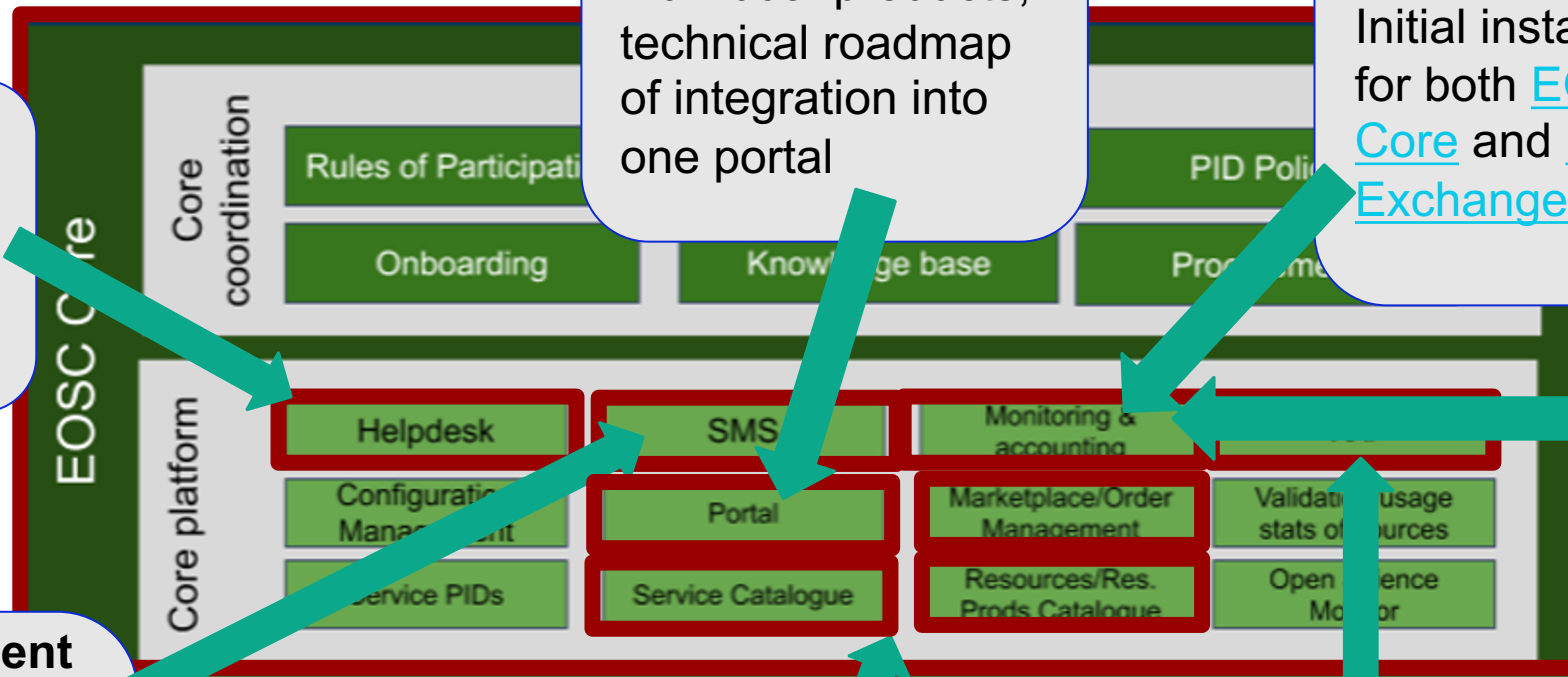
Organization of the EOSC SMS across WPs

EOSC Resource Registry: Technical roadmap to integrate EOSC service registry with OpenAIRE PROVIDE via the Marketplace (BO + Frontend)

Marketplace & Order Mgmt: bundles of composable services available

AAI: RCAuth CA and EOSC Core Infra Proxy.

Started the setup of the EOSC AAI **Federation**



A large, stylized orange geometric network of lines and dots in the top-left corner of the slide.

Thank you for your attention!

- Paolo Manghi (OpenAIRE) <paolo.manghi@openaire.eu>