KER 1: EOSC Portal & Marketplace

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Dissemination level: Public
Disclosing Party: Project consortium
Recipient Party: European Commission

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EOSC-hub Key Exploitable Results

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Enterprise: *Boost innovation*

Digital Innovation Hub: Platform for industrial collaborations with EOSC

EOSC Portal and Marketplace

EOSC Hub Operators: *Develop the EOSC landscape*

Rules of Participation

Service Management System

Interoperability & Integration Guidelines

Service Providers: *Provide services for Researchers*

Internal services in the Hub portfolio

Business and sustainability models for services and the Hub

Services in the EOSC Service Portfolio

Researchers and research communities: *Empower my research*

Educate, inform and support my team and community

Training courses and Materials

Description of the KER

Description	The EOSC Portal and Marketplace support the information sharing, user outreach and resources discovery and access in EOSC.
Type	It's a collection of software components, built for the sake of operating dedicated procedures and presentation of EOSC assets. All designed and implemented in a manner supporting user-centric approach and best user experience practices.
Key innovation	A dedicated gateway for EOSC users offering all end user-relevant and provider-relevant functions of EOSC and the support for federated service ecosystem: EOSC resource discovery and access.
Additional background	Developed into joint efforts first with Collaboration Agreement, following up with EOSC Enhance project. Requirements and suggestions for its shape were gathered from a wider EOSC community: EOSC WGs, EOSC communities, other EOSC projects.

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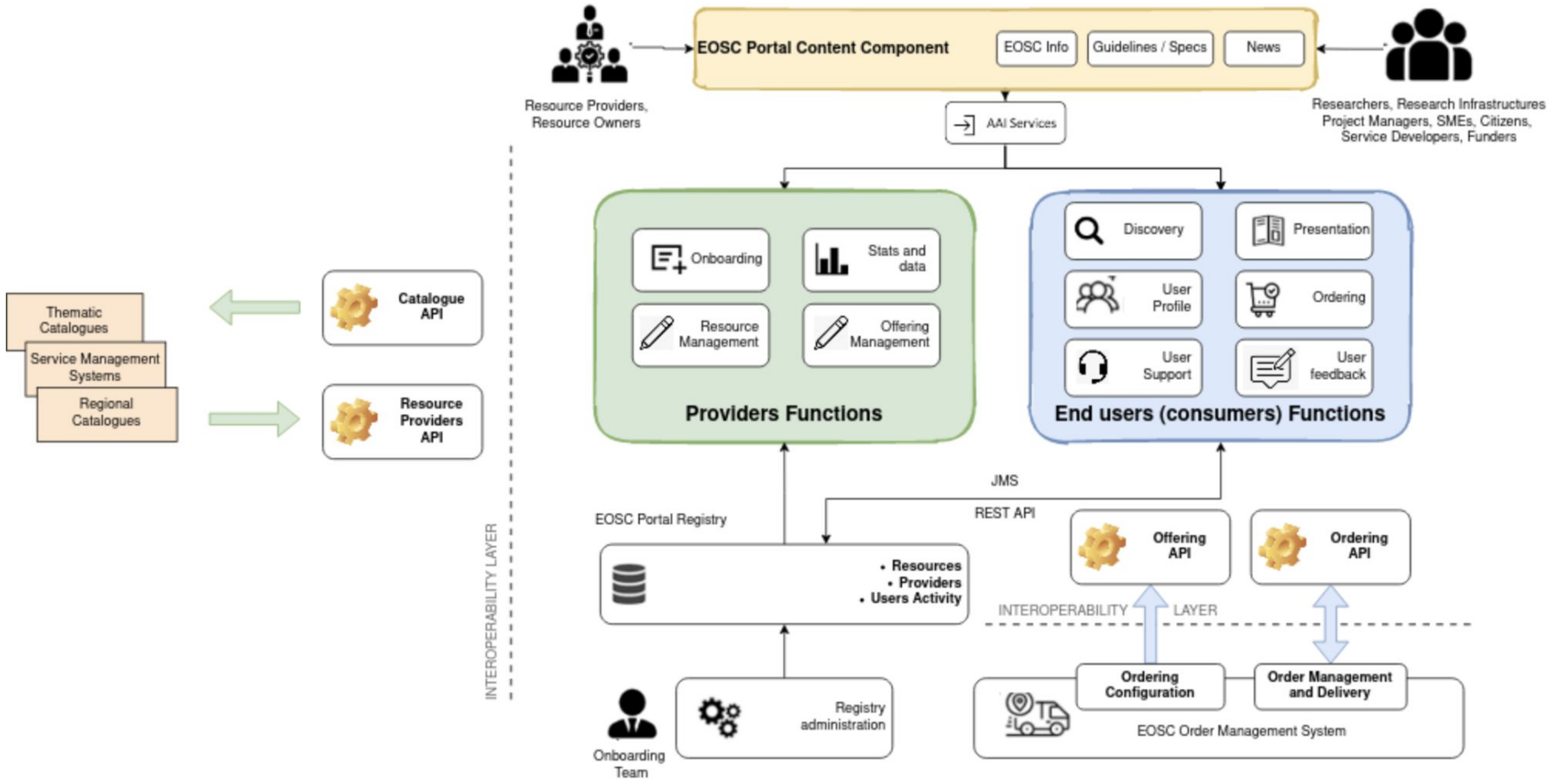

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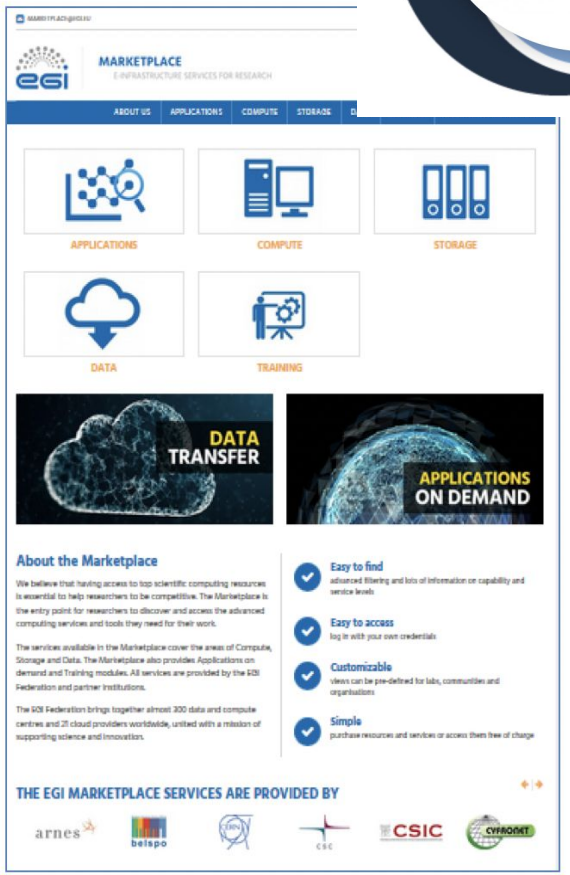
From EOSC-hub MP to EOSC Portal

- Result of the EGI Engage project
- Presta based solution
- Offering EOSC-hub baseline services (e-Infra services)
- Basic implementation of the core functions:
  - Presentation
  - Discovery
  - Ordering
  - Access



JANUARY 2018 → MARCH 2018 → NOVEMBER 2018 → NOVEMBER 2019 → JANUARY 2020 → MARCH 2021

From EOSC-hub MP to EOSC Portal

Early Ideas for the EOSC Portal

Sitemap

Onboarding of Users/Customers, Funders/Policy Makers and Access to resources	Onboarding of Service/Resource Providers and Service Management	Information on EU and MS policies related to EOSC	News Events Related initiatives Networks Success stories Community Blog	Other sections progressively enriched over time

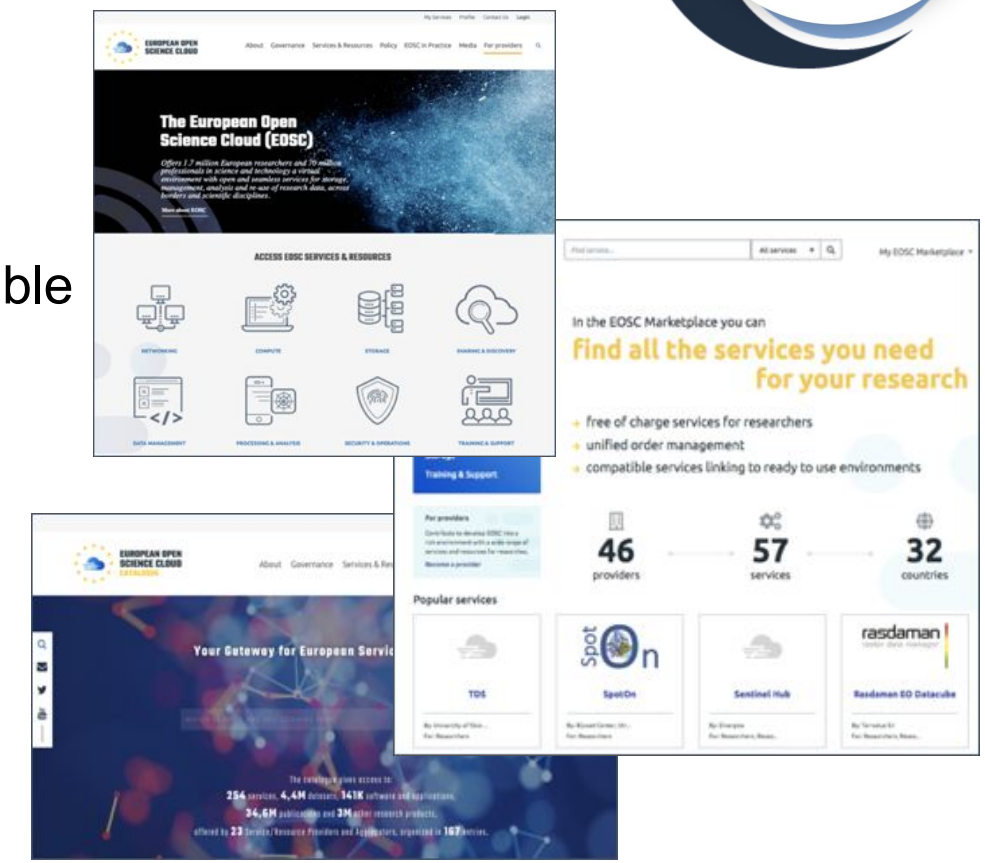
EOSC structure info, governance

Each of the sections will require managing of community content

JANUARY 2018 | **MARCH 2018** | NOVEMBER 2018 | NOVEMBER 2019 | JANUARY 2020 | MARCH 2021

From EOSC-hub MP to EOSC Portal

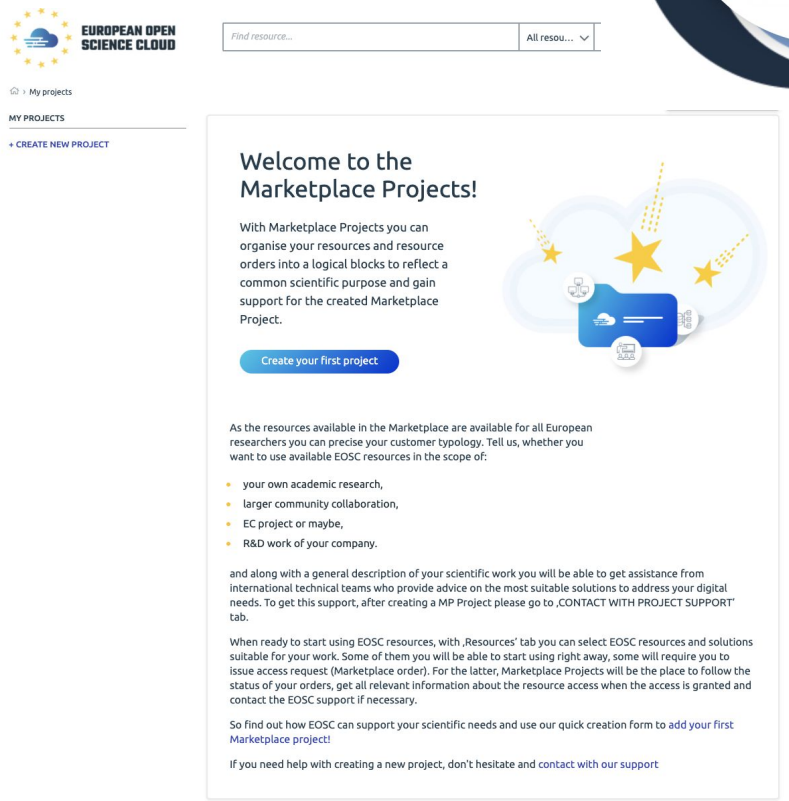
- Shared effort of EOSC-hub, OpenAire-Advance and e-InfraCentar projects
- Official launch of the EOSC Portal - portal publicly available
- 3 separate components:
  - EOSC-hub Portal Webpage (Drupal-based)
  - EOSC-hub Catalogue and MP
  - eInfracental Catalogue



JANUARY 2018 | MARCH 2018 | **NOVEMBER 2018** | NOVEMBER 2019 | JANUARY 2020 | MARCH 2021

From EOSC-hub MP to EOSC Portal

- EOSC Portal Collaboration Agreements
  - EOSC-hub / OpenAIRE-Advance / eInfracentral
    April-June 2019
  - EOSC-hub / OpenAIRE-Advance / EFIS / UoA / JNP
    July-December 2019
- Effort towards further unification and integration
- New functionalities for the Portal's end-users



JANUARY 2018 → MARCH 2018 → NOVEMBER 2018 → **NOVEMBER 2019** → JANUARY 2020 → MARCH 2021

From EOSC-hub MP to EOSC Portal

- Start of the EOSC Enhance project
- EOSC Portal Collaboration Agreement
  - EOSC-hub / OpenAIRE-Advance / EOSC Enhance May-December 2020
- EOSC-hub focus on SMS supporting development and integrations

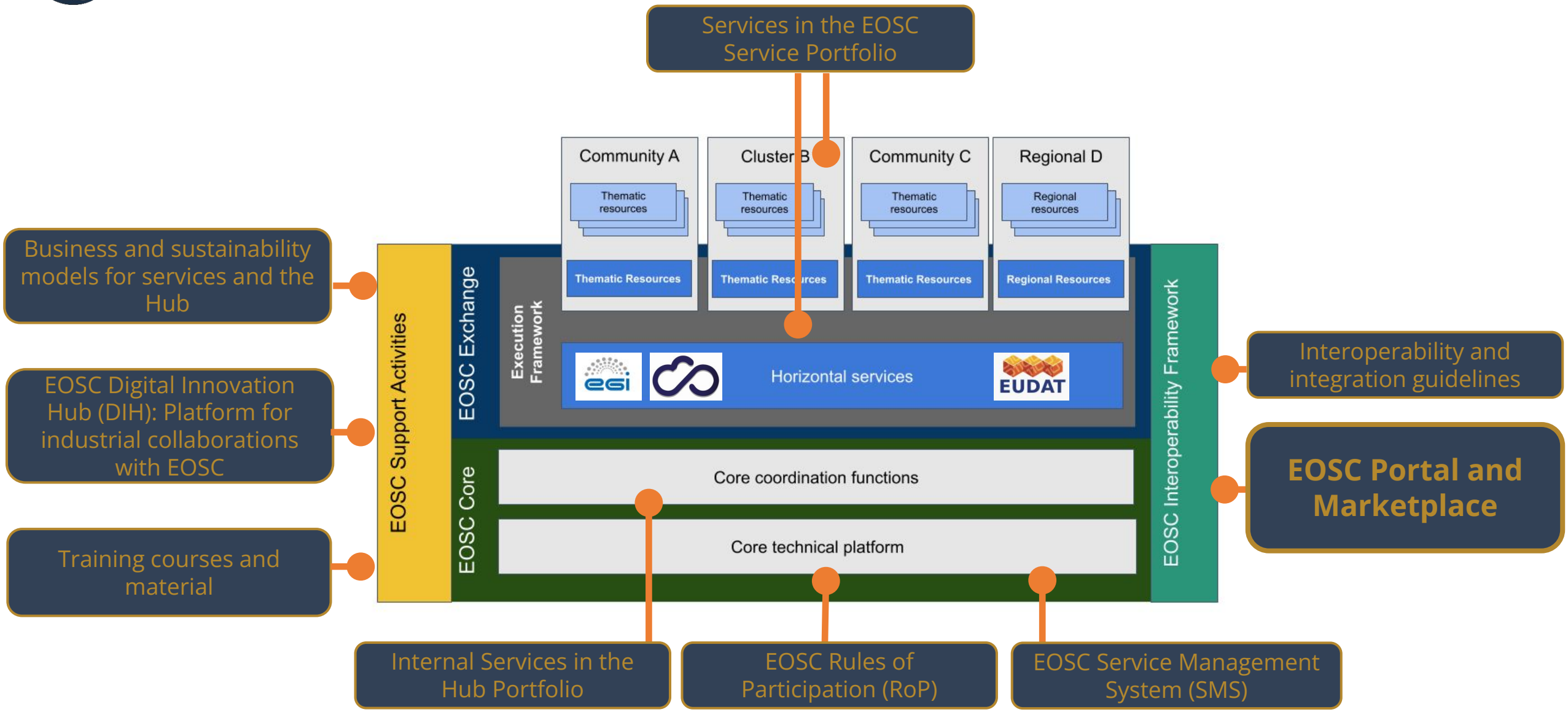
JANUARY 2018 | MARCH 2018 | NOVEMBER 2018 | NOVEMBER 2019 | **JANUARY 2020** | MARCH 2021

From EOSC-hub MP to EOSC Portal

- End of the EOSC-hub project, finalisation of the KER's goals
- Input for the EOSC Interoperability layer concept
  - Development of the APIs for the resource offers and orders information
- Preparations for the EOSC Future project

JANUARY 2018 | MARCH 2018 | NOVEMBER 2018 | NOVEMBER 2019 | JANUARY 2020 | **MARCH 2021**

Contribution to the EOSC Implementation



EOSC-hub

Innovation

What benefits does it bring?

Exploitation audience	Benefit
EOSC-CORE	• Important element of the EOSC-supporting infrastructure • Interfaces towards other CORE services to promote user and resource related data and functionalities
Service Providers	• Possibility to offer resources through the EOSC channel, increased visibility • Dedicated panels and provider supporting functionalities • Functionalities supporting the connection of existing catalogues or order management systems • Increased (demonstrable) impact of resources delivered (e.g. order statistics) –> additional funding
Researchers and Research Communities	• Access to EOSC resources • EOSC support and expertise • Dedicated functions and panels
Enterprise	• Lower the marketing and transaction costs considerably compared to targeting individual research institutes or researchers • Exposure to EOSC offerings that might enrich enterprise services
Funders	• Possible access to statistics connected with the interest around EOSC resources • Additional source of information about the exploitation of the EOSC resources

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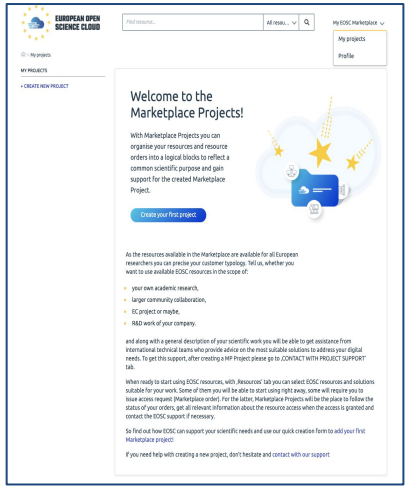
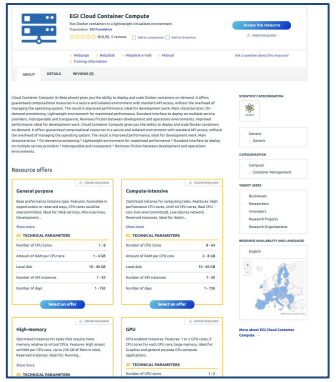
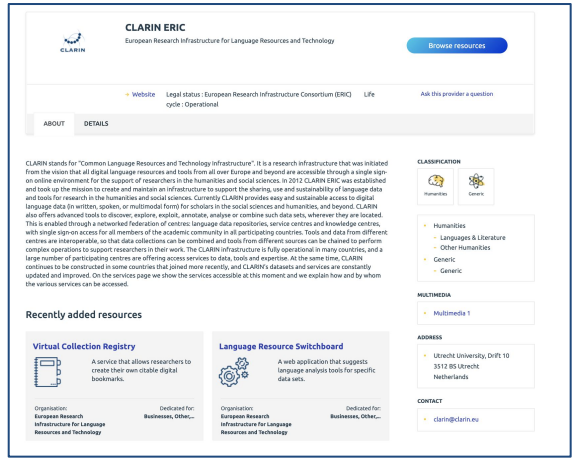
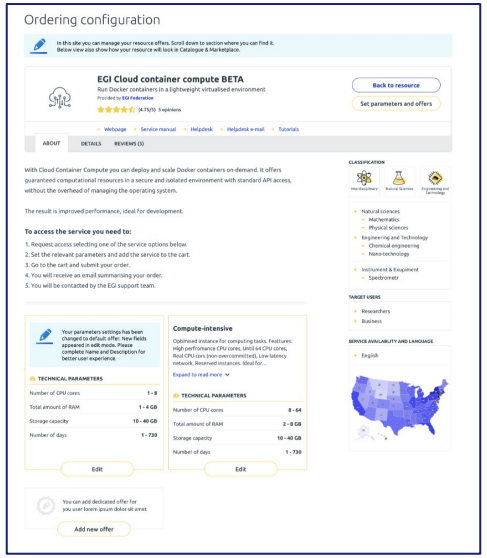
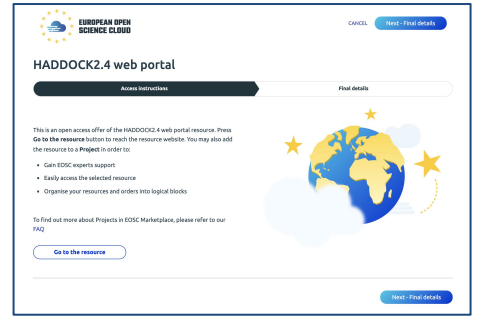
EOSC-hub Visualisation of the benefits

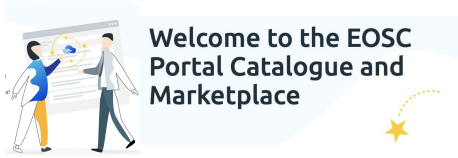


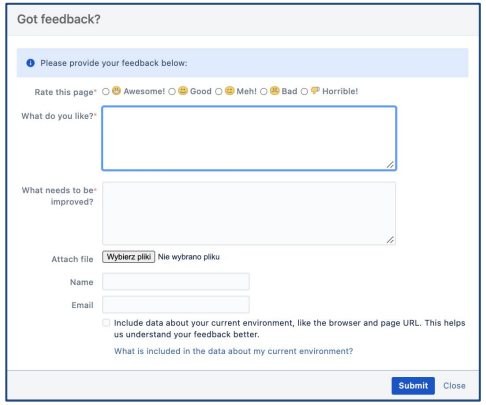


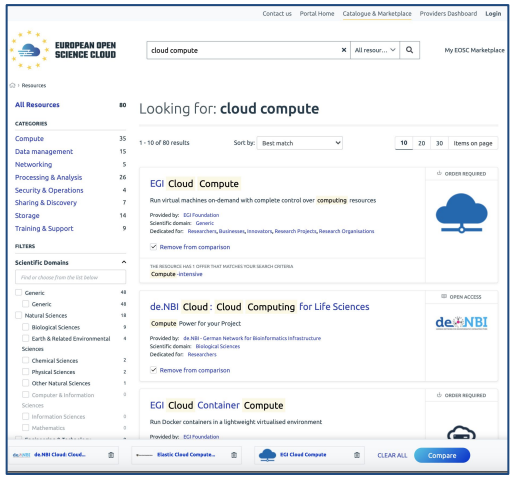


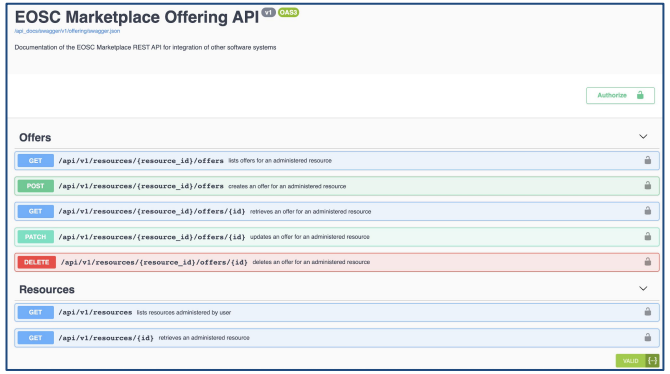


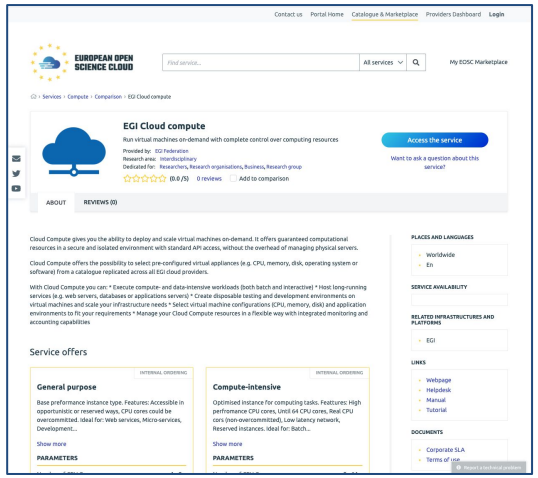


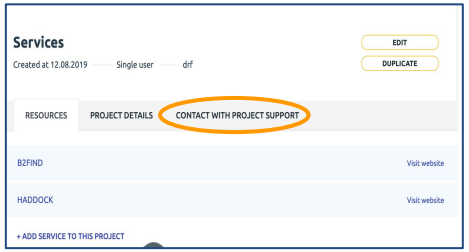












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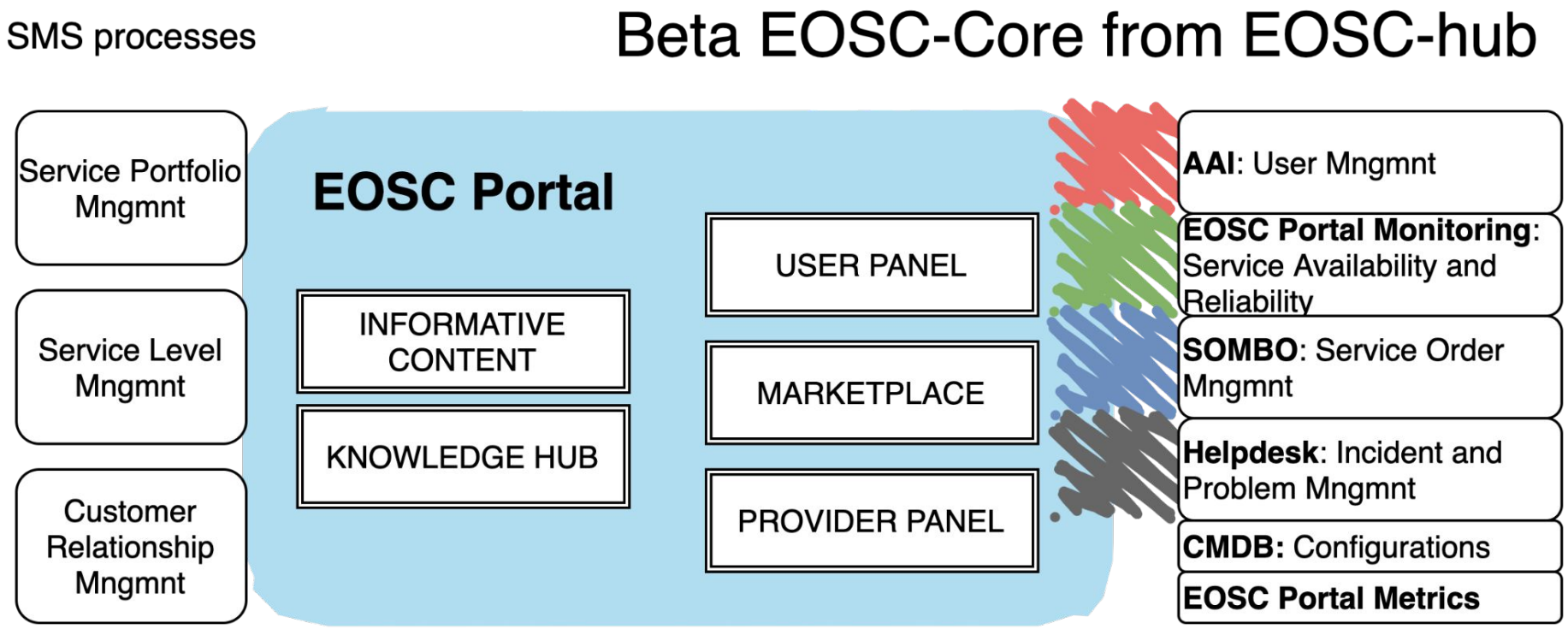

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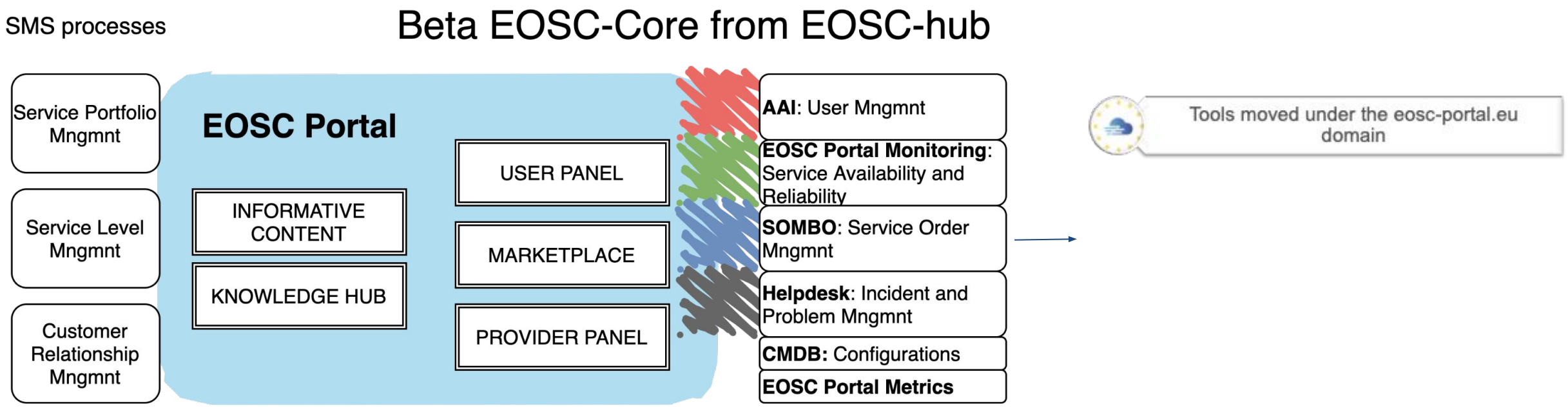

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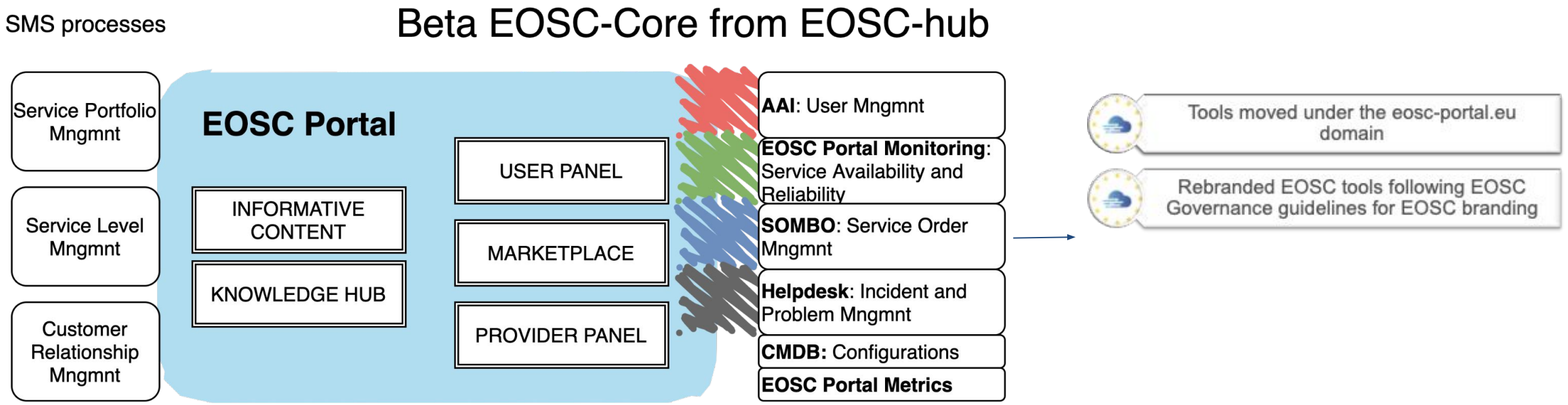

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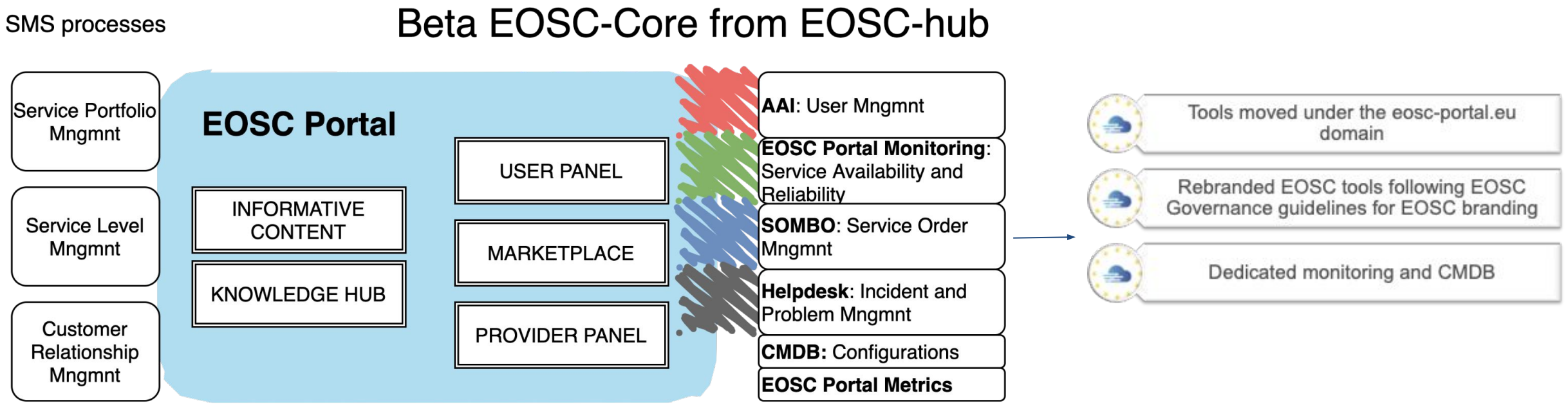

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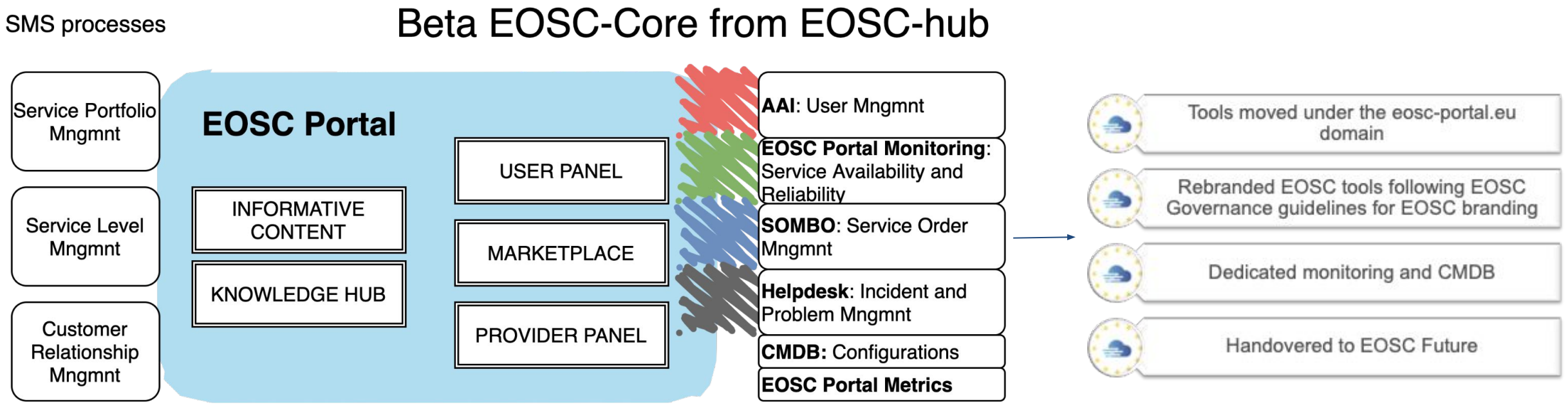

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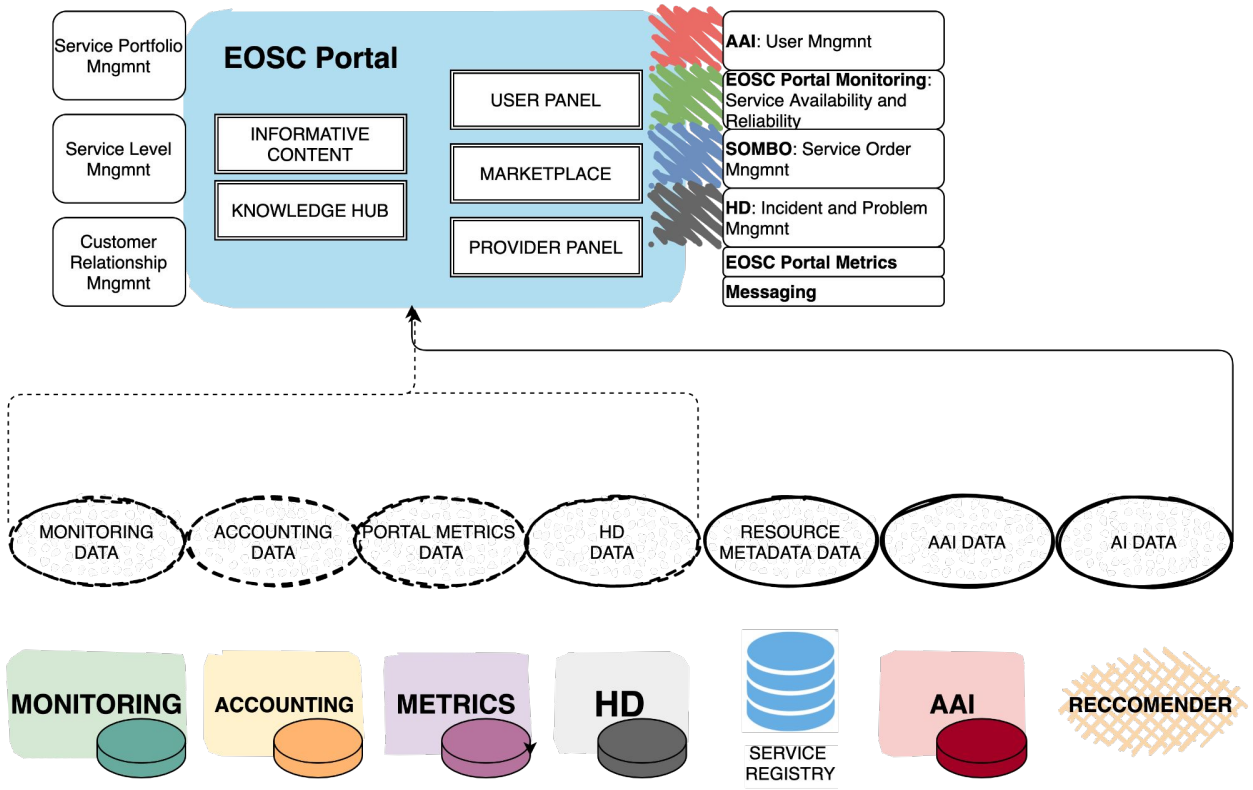

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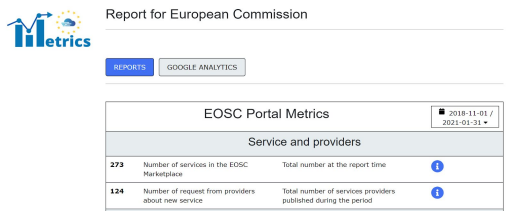
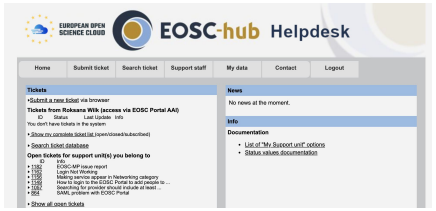
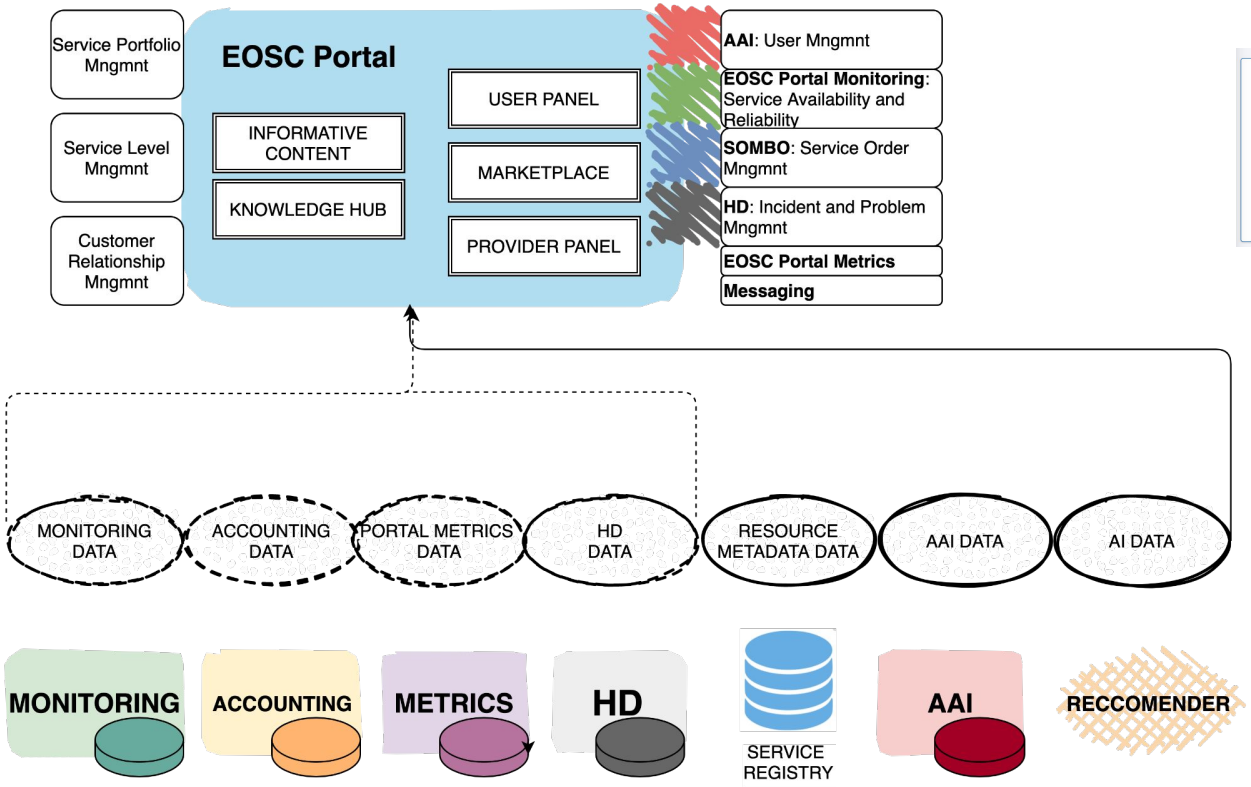
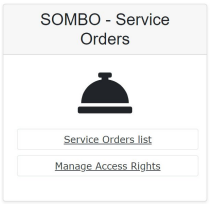
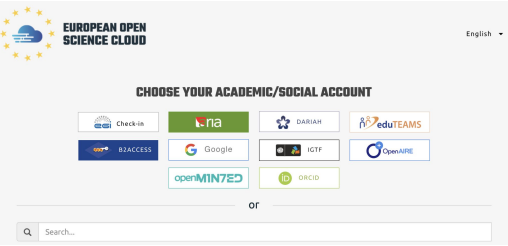


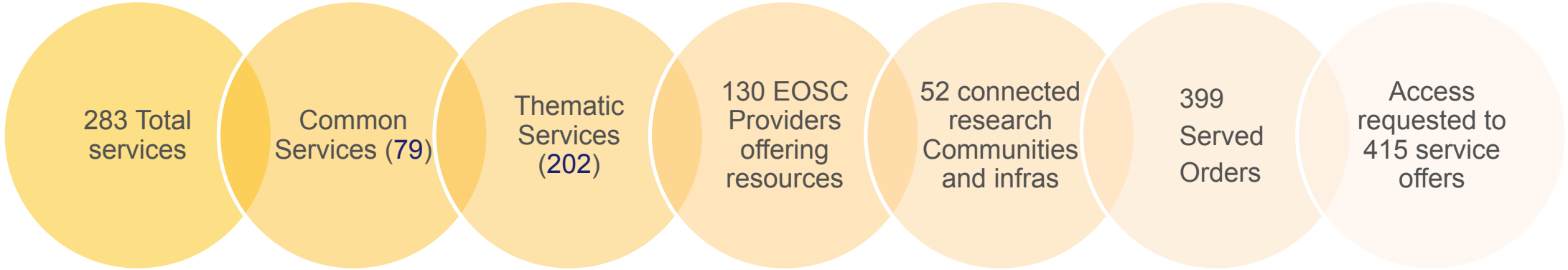








KER in numbers



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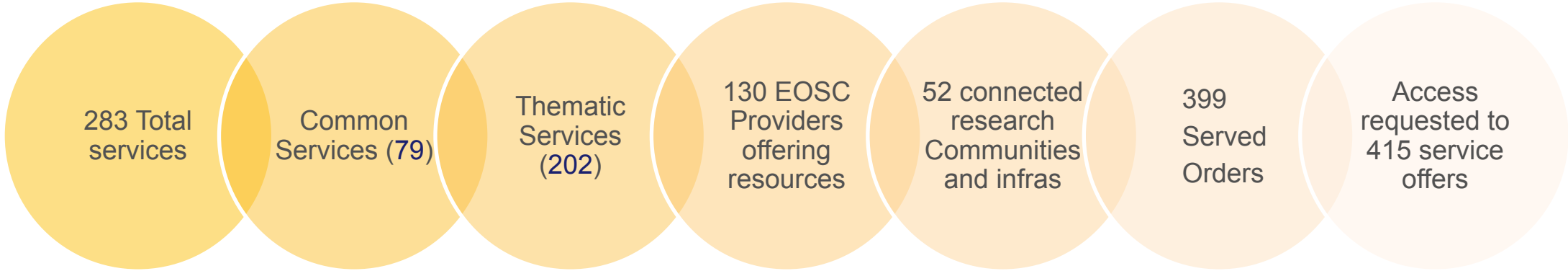

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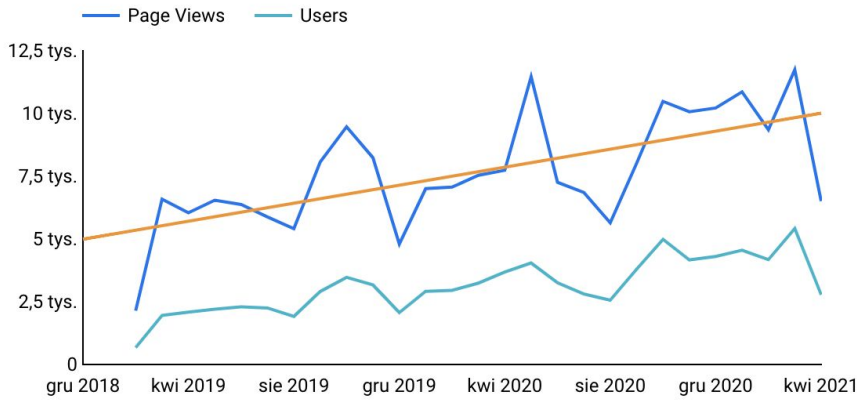
- New providers joining EOSC Portal
  - New services every month
  - Services onboarded from the other EOSC projects,
  - EOSC-hub Early adopter programme → All pilots requested access to the EOSC-hub services through the MP



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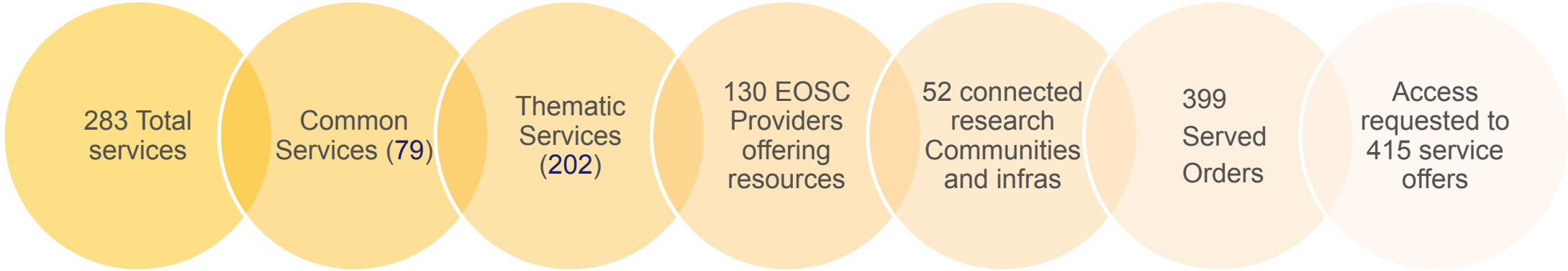

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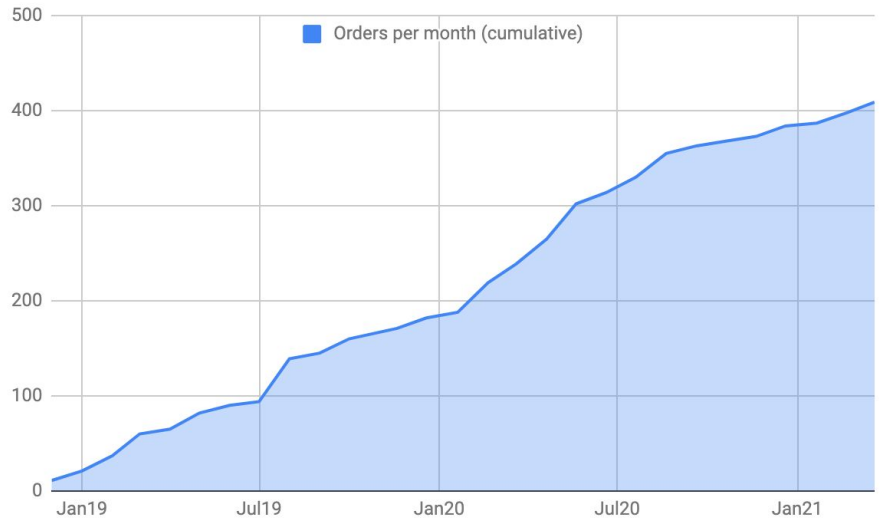

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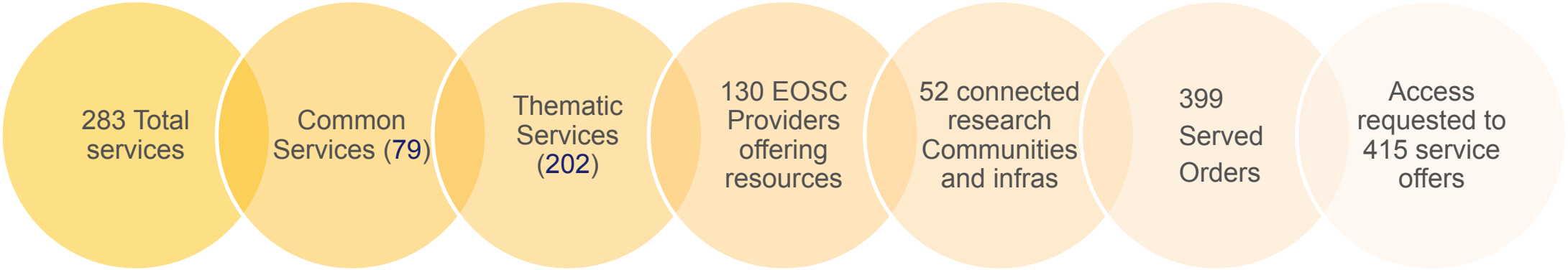

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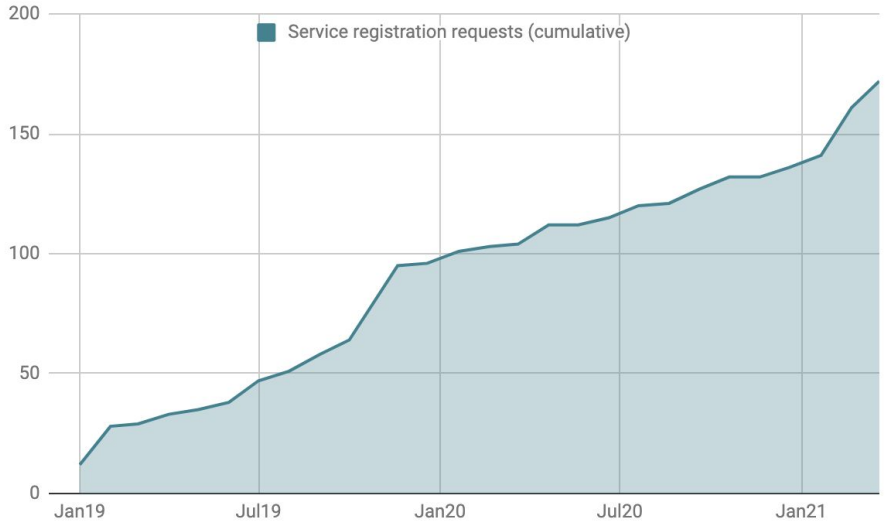

EOSC-hub

Exploitation

Exploitation

- EOSC-hub's results taken up in EOSC Enhance Project to develop the user interface part of the EOSC Marketplace
- As a central, user-facing component of the EOSC Portal will be further developed in EOSC Future
- EOSC hub's operational results will be continued in the EOSC Future project
- White label solution allows to set up a use-case dedicated Marketplace, ready to be integrated with the EOSC instance
- Available statistics might serve the overall analysis of EOSC use-cases and EOSC roadmap

IPR approach

- Due to the open source nature of the source code (GPL3) any interested party is able to add new functionalities of interest or start a new product development activity based on the current solution
- Due to the chosen licence of the KER's software component any interested party can have it's own dedicated instance
- Data models used in the KER are developed under the Creative Commons licence, thus allow further reuse or development
- Common approach: secure licences that allow the exploitation

Dissemination & Communication

EOSC-hub website	• https://www.eosc-hub.eu/news/european-open-science-cloud-officially-launched • https://www.eosc-hub.eu/eosc-portal-one-year • https://www.eosc-hub.eu/key-exploitable-results/eosc-portal-and-marketplace
Publications	• https://www.eosc-hub.eu/sites/default/files/EOSC-hub_BookletB5_february2021%20rev3.pdf • https://www.eosc-hub.eu/sites/default/files/EOSC-HUB_KER_Elevator_Pitches_June2020_0.pdf • https://www.eosc-hub.eu/sites/default/files/Flyer_Eosc_portal_13_sept_2019.pdf
Selected presentations at events	• EOSC Launch event, Introduction of the EOSC Portal, Vienna, Austria 23-11-2018 • EOSC-hub Week 2019, Why joining EOSC, Prague, Czech Republic, 11-04-2019 • Building Open Science in Europe: The road ahead for the EOSC community and the EU Member States, Developing the EOSC portal for the benefits of the user communities, Tallinn, Estonia, 20-06-2019 • EOSC-hub week 2020, Service Onboarding: Future vision, online • EOSC-hub week 2020, New EOSC Portal functionalities, online

WP participation, further information

WPs in leading roles	WP5
WPs providing contributions	WP2, WP4, WP7, WP10
Background information	Deliverables: ● D5.1 Initial maintenance and integration plan for federation and collaboration services ● D5.2 First release of federation and collaboration services and tools ● D5.3 1st Report on maintenance and integration of federation and collaboration services ● D5.4 Second release of federation and collaboration services and tools ● D5.5 2nd Report on maintenance and integration of federation and collaboration services ● D5.6 Final release of federation and collaboration services and tools ● D5.7 Final report on the integration of federation and collaboration services Milestones: ● M5.2 Marketplace allows to order baseline services from EOSC-hub service catalogue ● M5.5 Consistent Helpdesk system available with 1st and 2nd line support ● M5.4 Consistent monitoring of all the employed EOSC-hub services ● M5.6 Order management system integrated with back-office management system

Thank you
for your attention!

Questions?

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