

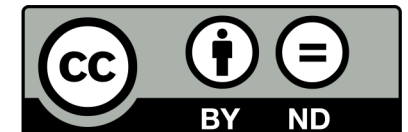
EOSC Platform Front-Office

EOSC Future Open Days 23-25 November 2021

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European Union Horizon Programme call
INFRAEOSC-03-2020, Grant Agreement 101017536





Outline

- What is the EOSC Platform Front-Office?
- Planned new/improved features
- Benefits to users/researchers of making these changes



What is the EOSC Platform Front-Office?

- Built on outputs of EOSC-hub, EOSC Enhance, OpenAIRE Advance
- It aims to provide
 - Support for Open Science
 - Enhanced support and training
 - Personalised recommendations to guide researchers to
 - relevant projects, data, publications, training materials
 - potential collaborators (people, task forces, communities)



Front-Office terminology

- Portal Website allows users to **Navigate the Front-Office**
- Catalogue and Marketplace allows users to **Discover, access and compose resources**
- User Panel allows users to **Interact with the Front-Office using a personalised dashboard**
- EOSC Knowledge Hub allows users to **Access and contribute to EOSC skills and training materials**
- Open Science Statistics allows users to **Access Open Science statistics**
- Open Science Helpdesk allows users to **Obtain support**



Front-Office scope functions and features

Function	Features
Navigate the Front-Office	<ul style="list-style-type: none">• EOSC Platform gateway webpage• Front-Office capabilities• Back-Office capabilities
Discover, access and combine resources	<ul style="list-style-type: none">• Smart search user interface• Personalised resource suggestions• Resource comparison• Provider/resource details and access pages• Resource ordering and order management• User space for combining resources
Interact with the Front-Office using a personalised dashboard	<ul style="list-style-type: none">• User profile• User settings• Personalised content• User space access• Feedback mechanisms
Access and contribute to EOSC skills and training materials	<ul style="list-style-type: none">• Landing page for knowledge access• Skills and training materials access• Skills and training materials authoring
Access Open Science statistics	<ul style="list-style-type: none">• Open Science metrics• Graphical metric analysis tools
Obtain support	<ul style="list-style-type: none">• Open Science helpdesk/messaging access• EOSC Core Helpdesk reporting access



Front-Office current state of play

Currently available for researchers:

- Portal website
<https://eosc-portal.eu>
- Virtual tour for new users
<https://eosc-portal.eu/news/new-tour-eosc-catalogue-and-marketplace>
- Catalogue and Marketplace
<https://marketplace.eosc-portal.eu>
- 'Enhance your research with the EOSC Portal Marketplace'
<https://www.youtube.com/watch?v=adOB-rcXils>



Portal website

Access the EOSC Portal Catalogue & Marketplace

Scientific Domains

Categories



Medical & Health Sciences



Engineering & Technology



Natural Sciences



Generic



Humanities



Agricultural Sciences



Social Sciences



Other



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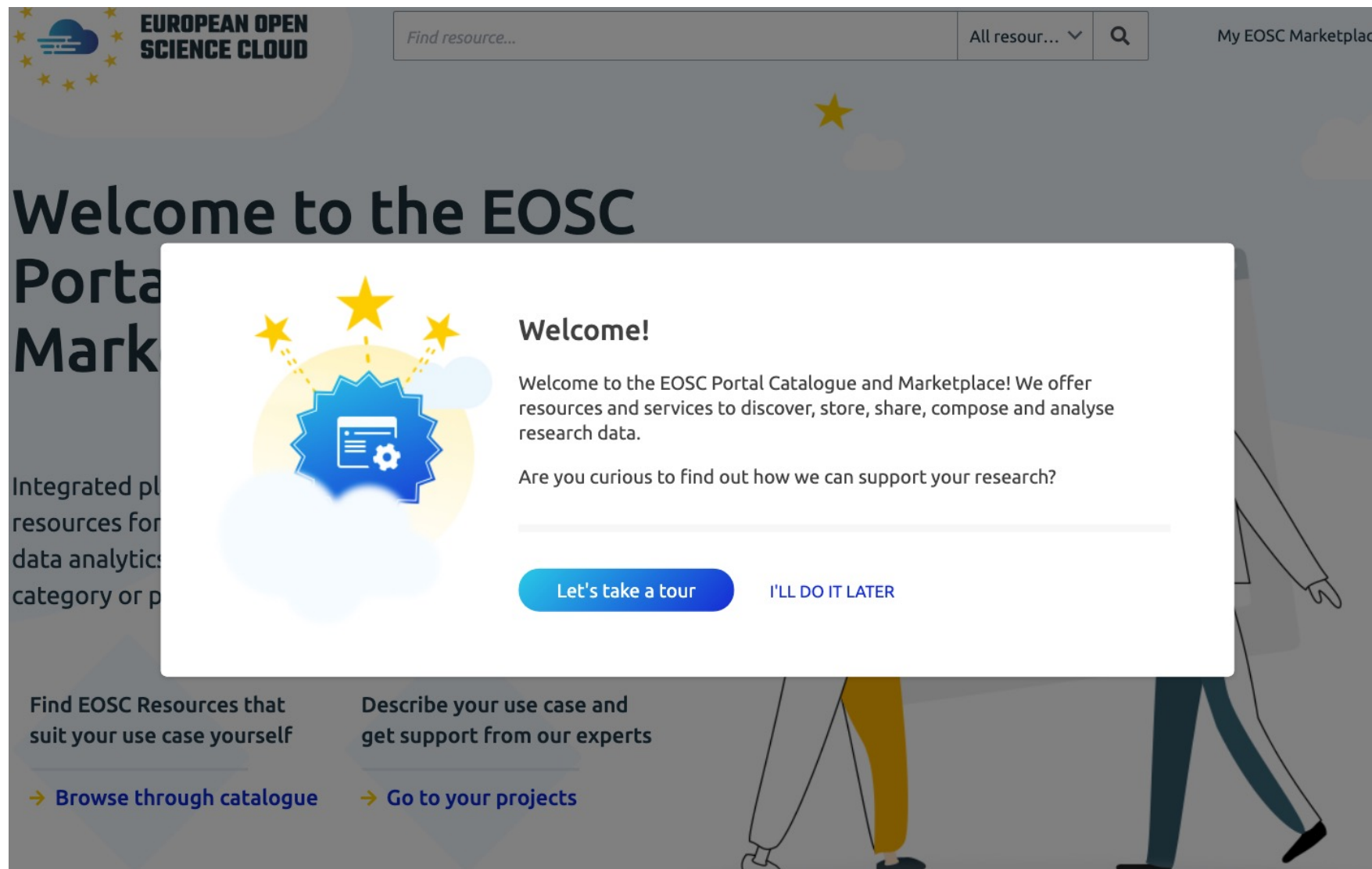
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Virtual tour for new users



The screenshot shows the EOSC Portal Marketplace homepage. At the top left is the 'EUROPEAN OPEN SCIENCE CLOUD' logo. A search bar contains the text 'Find resource...'. To the right of the search bar is a dropdown menu labeled 'All resour...' and a magnifying glass icon. Further right is the text 'My EOSC Marketplac'. The main heading reads 'Welcome to the EOSC Portal Marketplace'. Below this, a modal window is displayed. The modal has a blue starburst icon on the left. The text inside the modal says: 'Welcome!', 'Welcome to the EOSC Portal Catalogue and Marketplace! We offer resources and services to discover, store, share, compose and analyse research data.', and 'Are you curious to find out how we can support your research?'. At the bottom of the modal are two buttons: 'Let's take a tour' (highlighted in blue) and 'I'LL DO IT LATER'. Below the modal, there are two columns of text. The left column says 'Find EOSC Resources that suit your use case yourself' followed by a link '→ Browse through catalogue'. The right column says 'Describe your use case and get support from our experts' followed by a link '→ Go to your projects'. At the bottom right of the page, there is an illustration of two people walking.

EUROPEAN OPEN SCIENCE CLOUD


Find resource...

All resour... ▾ 🔍

My EOSC Marketplac

Welcome to the EOSC Portal Marketplace

Integrated platform for resources for data analytics category or project



Welcome!

Welcome to the EOSC Portal Catalogue and Marketplace! We offer resources and services to discover, store, share, compose and analyse research data.

Are you curious to find out how we can support your research?

[Let's take a tour](#) [I'LL DO IT LATER](#)

Find EOSC Resources that suit your use case yourself

Describe your use case and get support from our experts

→ [Browse through catalogue](#) → [Go to your projects](#)



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Catalogue and Marketplace



EUROPEAN OPEN
SCIENCE CLOUD

Find resource...

All resour... ▾



My EOSC Marketplace

Welcome to the EOSC Portal Catalogue and Marketplace

Integrated platform that allows easy access to lots of resources for various research domains along with integrated data analytics tools. Browse by scientific domain, resource category or provider and, if you need help, we are here for you!

Find EOSC Resources that
suit your use case yourself

→ [Browse through catalogue](#)

Describe your use case and
get support from our experts

→ [Go to your projects](#)



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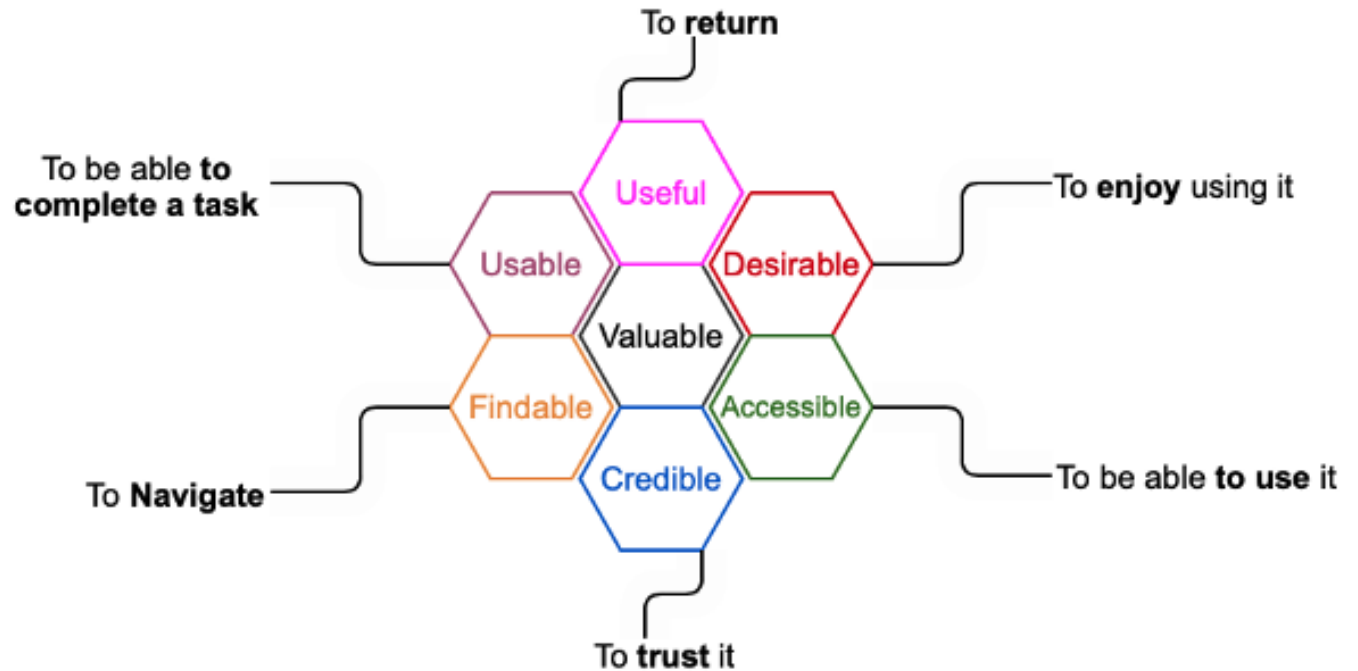


User Experience (UX)

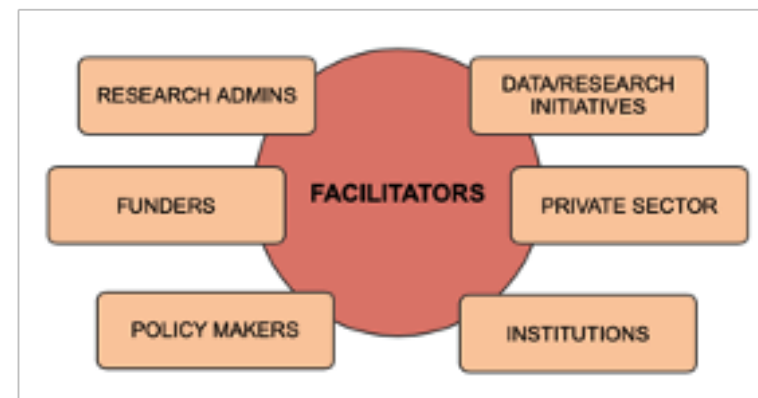
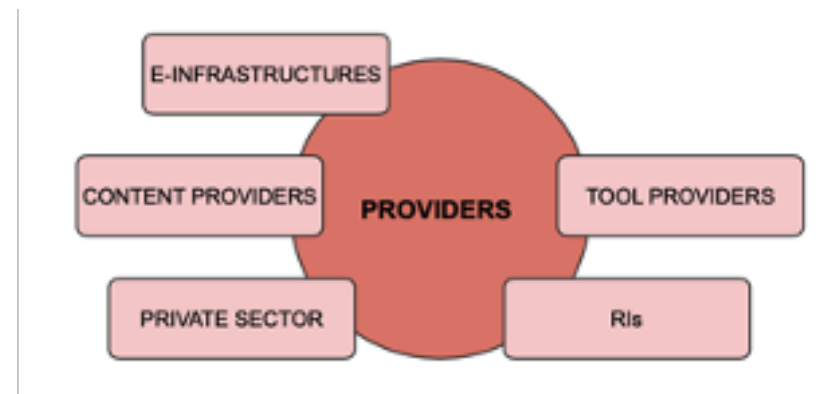
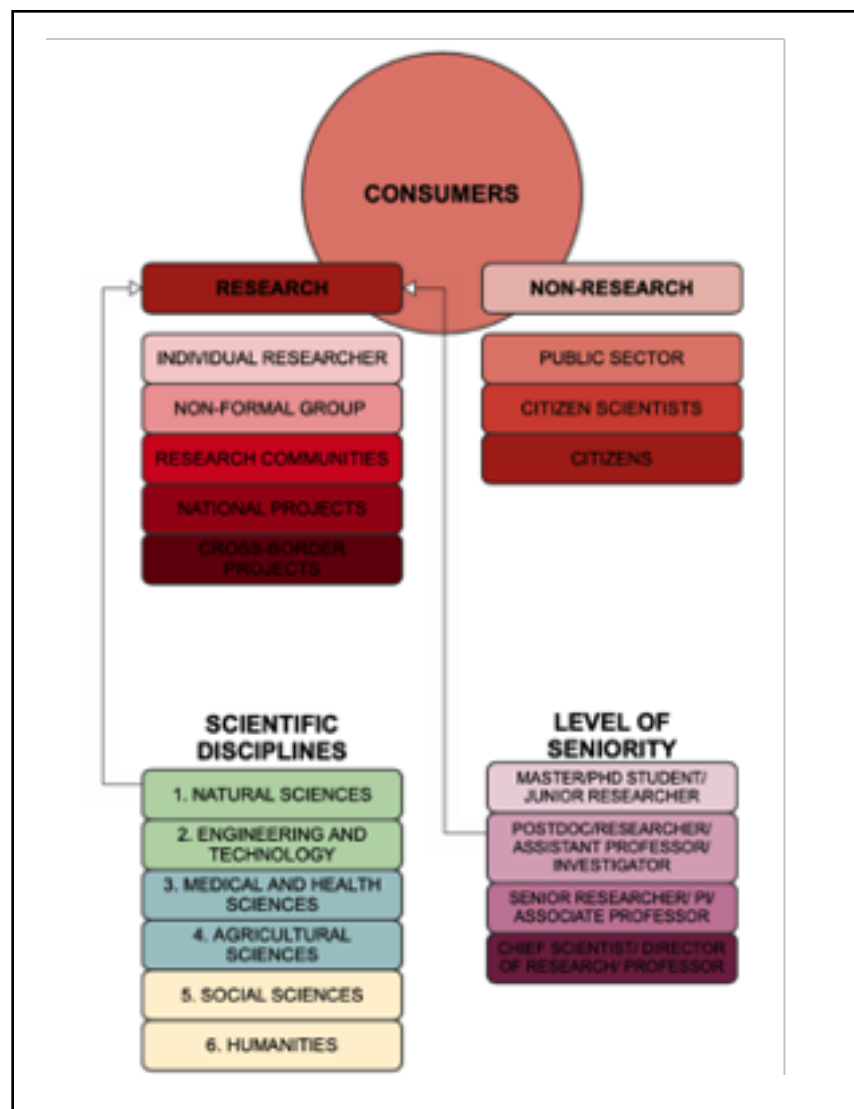
What is User Experience?

User experience determines:

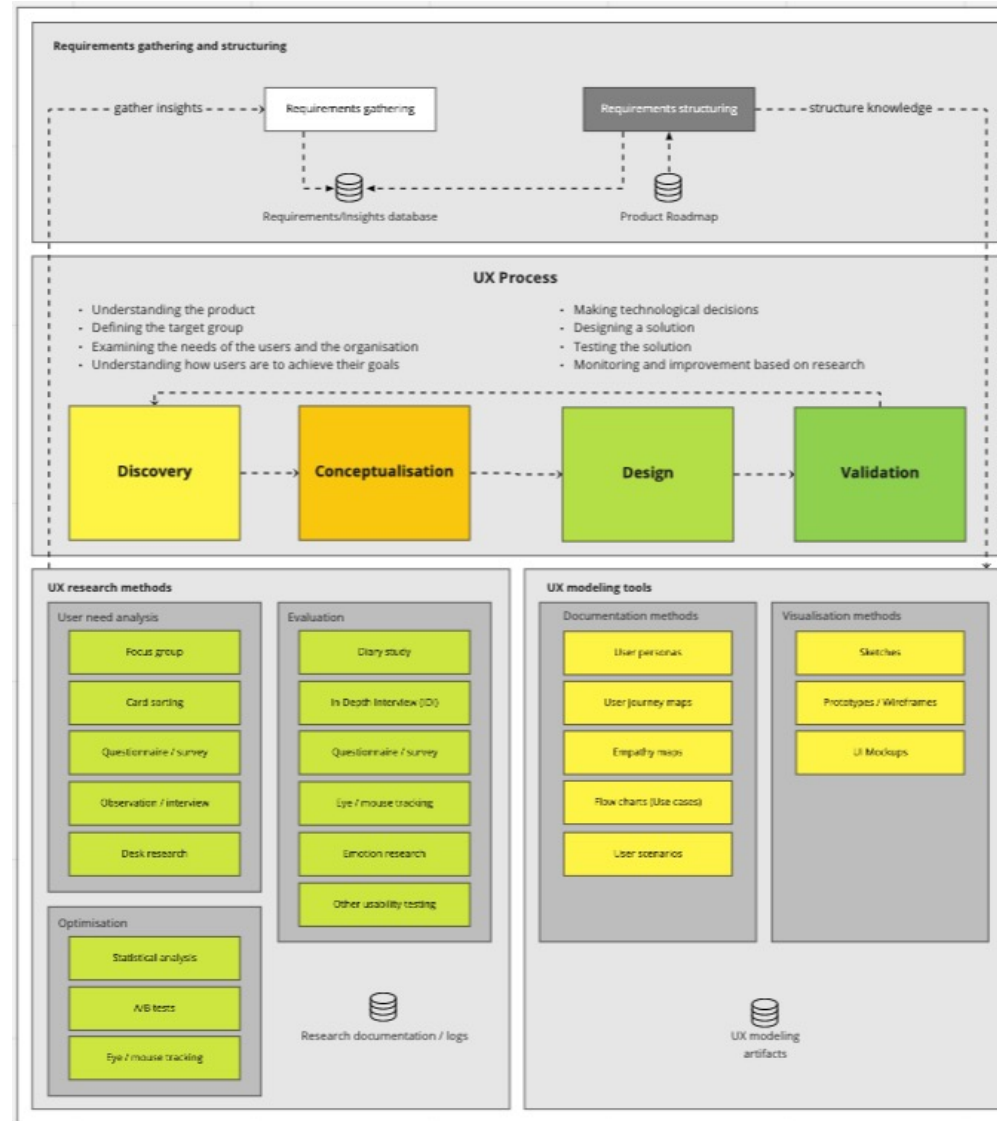
1. how the user feels when using a “product”
2. If they like or dislike when using it
3. If they will use it again.



Front-Office focus is on Consumers' UX



UX methods and User modelling

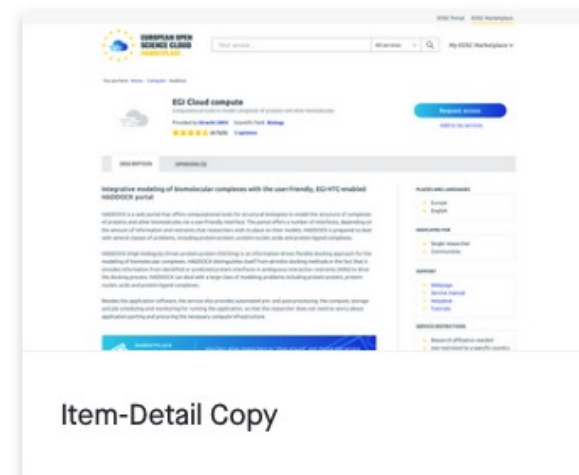
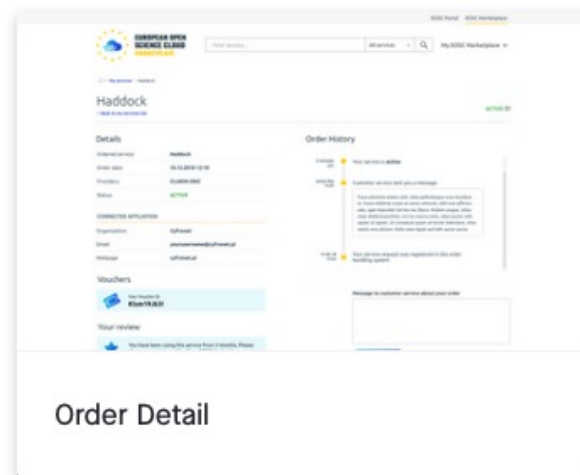
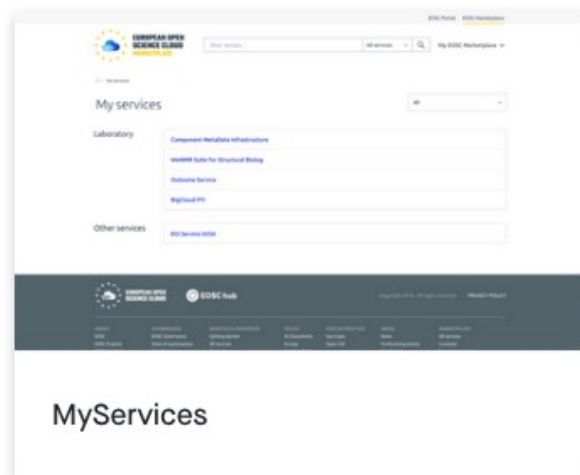
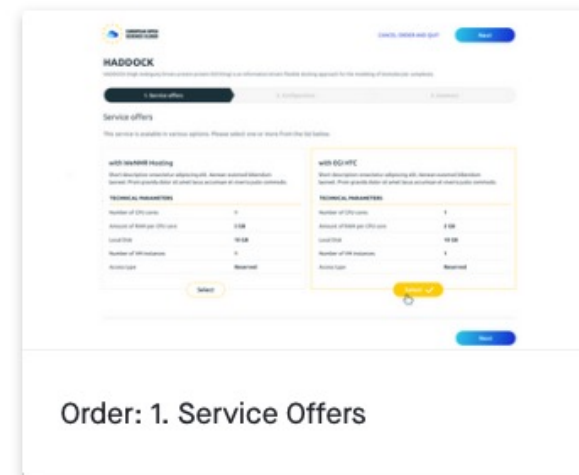
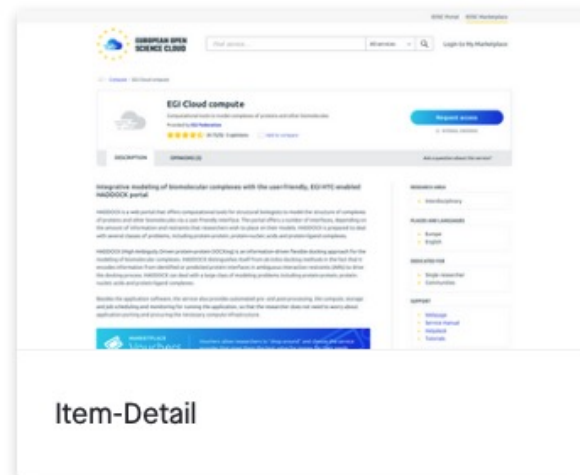
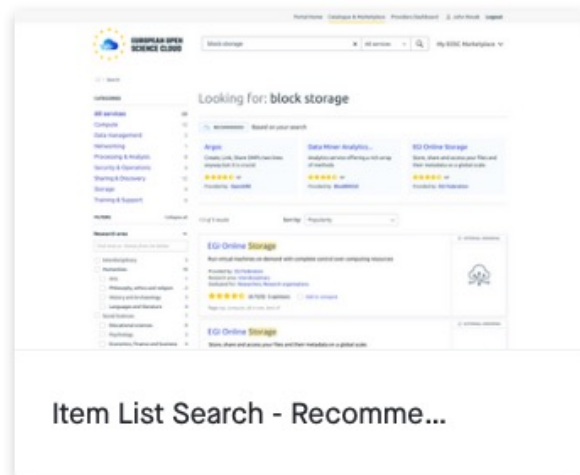




Improved: User Experience

- Discover what Users want from the EOSC Front-Office
 - Feedback mechanisms
 - Surveys
 - Mockups
 - Interactions with EOSC User Group
- Analysis of Users/User interactions
 - User personas
 - User stories
 - User journey maps
 - Card sorting

User Interface mockups



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Improved: User profile and interactions


- Enhance User profile
 - User modelling
 - Used to collect, manage and share research project-relevant services and scientific data
- Enrich data
 - With e.g. User activity history
 - Used for personalised recommendations
 - Datasets, services, publications, skills and training modules that match their preferences
- Evaluation of system usability
 - Analyse feedback from Users
 - Make iterative improvements



New: User panel

- **Access User profile** – view, edit data about the user
- **Manage User settings** - customise the panel to the User's needs
- **Access EOSC-managed items** - helps User to discover, learn, acquire, manage and combine items
- **Provide feedback** - allows the User to rate items (both positively and negatively)
- **View collaboration history** - with other EOSC users, projects or research groups

New: User Panel (mockup)

EUROPEAN OPEN SCIENCE CLOUD

Navigation

Your EOSC dashboard

Recommended resources Browse recommended resources (20)

Ads
★★★★★ (3)
A comprehensive and collaborative environment to collect, harmonize and analyse fisheries and stock data.
Organisation: BlueBRIDGE

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Recommended publications Browse recommended publications (12)

Evaluation der Knochenarchitektur im steroid-induzierten Osteoporosemodell der Ratte mittels Mikro-CT
Published: 01 Jan 2013
OPEN ACCESS GERMAN

Evaluation der Knochenarchitektur im steroid-induzierten Osteoporosemodell der Ratte mittels Mikro-CT
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Popular articles

EOSC Association looks for staff: four positions open
The EOSC Association is looking to expand its operational staff in Belgium and are accepting applications for four new positions which will play a key part in contributing to the growth of the Association and the implementation phase of EOSC.
09 Jul 2021

New services coming up to EOSC-Core
EOSC Future is one of the main H2020 funded projects that will steer the implementation of the EOSC Core development in collaboration with the other funded EOSC-related projects in the landscape (including the regional projects, the cluster projects.
01 Jul 2021

Summary

12 Projects

10 resources

You are interested in:
Cloud Computing, Natural Sciences and 5 more

Stay updated Show all

INFO
EGI Cloud resource waiting for your opinion

PROJECT
You have new message in your Test project

NEW PUBLICATION
New publication Imagem por ressonância magnética das articulações... has been showed.

MARKETPLACE
We have added new category - Awesome

Your recent activities Show all

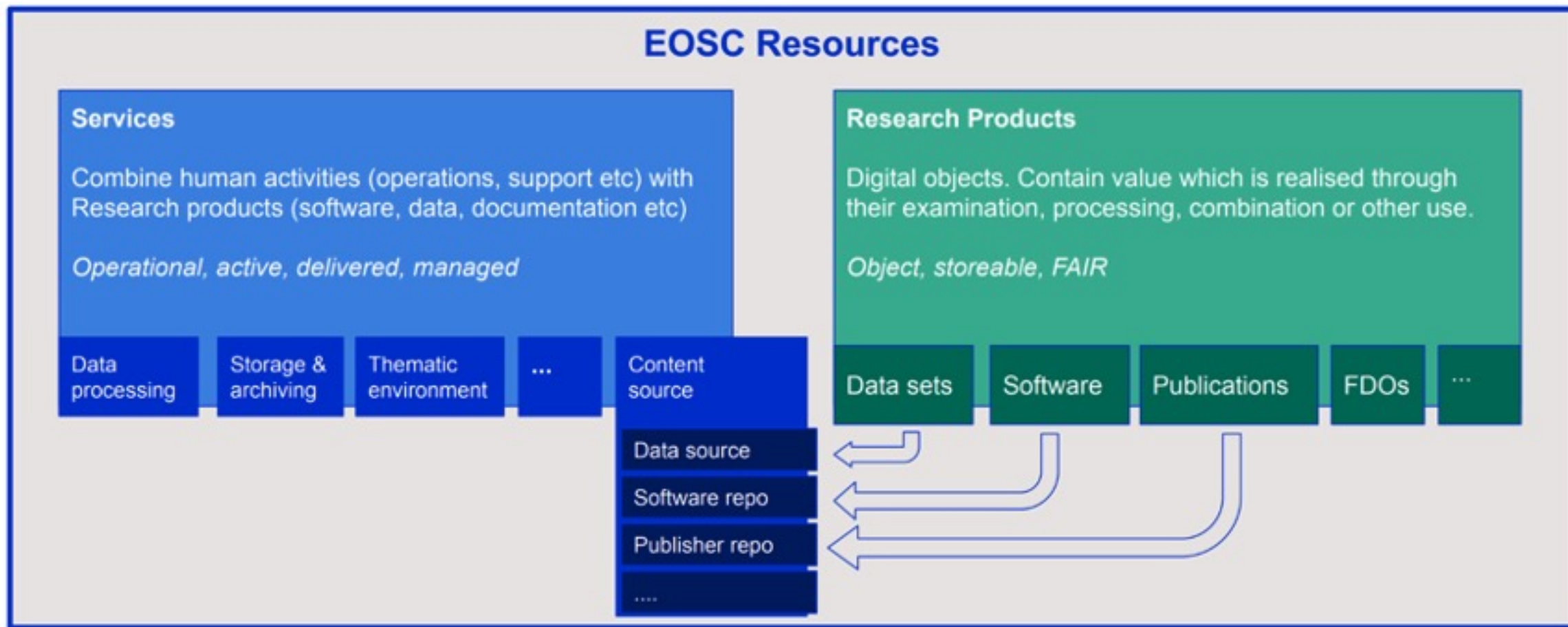
SEARCH
You have been looking for Cloud computing with additional 4 filters

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New: Types of resources





Improved: Cross-catalogue discovery

- Smart resource discovery mechanism
 - Search across multiple resource types
 - research products (datasets, publications, projects), training materials, EOSC Portal news
 - Advanced full-text search capabilities
 - Use of filters and various sorting mechanisms to refine results sets
 - Resource comparison
 - Favourites
- Resource visualisation
 - User-optimised display of metadata properties of the resource
 - User-optimised display of metadata properties of the resource provider

Improved: Cross-catalogue discovery (mockup)



gpu forest poland

Navigation

SEARCH RESULTS FOR:

gpu forest poland

switch to recommended results only

MARKETPLACE 140 results

RESEARCH OUTCOMES 2053 results

CONTENT PROVIDERS 12243 results

ORGANIZATIONS 538 results

KNOWLEDGE HUB 188 results

Categories

Access physical & infrastructures	3
Aggregators & Integrators	12
Processing & Analysis	56
Security & Operations	2
Sharing & Discovery	18
Training & Support	10
Other	36

Filter by

SCIENTIFIC DOMAINS

Find or choose from the list below

<input type="checkbox"/> Generic	147
<input type="checkbox"/> Natural Sciences	146
<input type="checkbox"/> Earth & Related Environmental Sciences	101
<input type="checkbox"/> Biological Sciences	50
<input type="checkbox"/> Chemical Sciences	35
<input type="checkbox"/> Engineering & Technology	10
<input type="checkbox"/> Medical & Health Sciences	5
<input type="checkbox"/> Medical Biotechnology	5
<input type="checkbox"/> Health Sciences	2
<input type="checkbox"/> Clinical Medicine	1
<input type="checkbox"/> Other Medical Science	20
<input type="checkbox"/> Humanities	8

100 Percent IT Trusted Cloud

★★★★★ (3)

Infrastructure as a Service (IaaS), secured by cutting edge cybersecurity software co-developed by the University of Oxford

Organisation: Centro Nacional de Biotecnología

☐ Add to comparison ☐ Add to favourites

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☐ Add to comparison ☐ Add to favourites

Recommended for you See more recommendations in Your EOSC

Regional Database for Fishery Stock ...

★★★★★ (3)

A comprehensive and collaborative environment to collect, harmonize and analyse fisheries and stock data.

Organisation: BlueBRIDGE

Evaluation der Knochenarchitektur im steroid-induzierten Osteoporosemodell...

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Improved: Search results display (mockup)

The mockup shows a search interface for the European Open Science Cloud (EOSC). At the top, the EOSC logo is on the left, a search bar contains the text "gpu forest poland", and a "Navigation" link is on the right. Below the search bar, it says "SEARCH RESULTS FOR: gpu forest poland". A row of filters shows counts for different categories: Marketplace (148 results), Research Outcomes (2053 results), Content Providers (12243 results), Organizations (538 results), and Knowledge Hub (188 results). Below these are several filter dropdowns: Access Mode, Result Type, Year Range, Funder, Type, Language, Community, and Content Provider. The main section is titled "Results (6)". It displays a list of search results. The first result is "Nonlinear control design for linear time varying systems", published on 12 Feb 1999, with "OPEN ACCESS" and "GERMAN" tags. The second result is "Evaluation der Knochenarchitektur im steroid-induzierten Osteoporosemodell der Ratte mittels Mikro-CT", published on 01 Jan 2013, with "OPEN ACCESS" and "GERMAN" tags. This result is expanded to show a "Summary" section with a detailed description of the research. To the right of the summary, a box states "Additional functionalities are available on OpenAIRE Explore page" with a button "See at OpenAIRE Explore". Below the summary is a "Download from" section listing the "Giessener Elektronische Bibliothek" and "Doctoral Thesis . 2013". The third result is "Reproductive Coercion, Sexual Risk Behaviors, and Mental Health Symptoms among Young Low...", published on 08 Aug 1972, with "OPEN ACCESS" and "GERMAN" tags. The fourth result is "A Reference Architecture for Providing Latent Semantic Analysis Applications in".

EUROPEAN OPEN SCIENCE CLOUD

gpu forest poland

Navigation

SEARCH RESULTS FOR:

gpu forest poland

MARKETPLACE 148 results

RESEARCH OUTCOMES 2053 results

CONTENT PROVIDERS 12243 results

ORGANIZATIONS 538 results

KNOWLEDGE HUB 188 results

Access Mode ▼

Result Type ▼

Year Range ▼

Funder ▼

Type ▼

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Community ▼

Content Provider ▼

Results (6)

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A Reference Architecture for Providing Latent Semantic Analysis Applications in

Evaluation der Knochenarchitektur im steroid-induzierten Osteoporosemodell der Ratte mittels Mikro-CT

Published: 01 Jan 2013

Publisher: Justus-Liebig-Universität Gießen

Country: Germany

Summary

Strukturelle Veränderungen der ossären Mikroarchitektur stellen beim Krankheitsbild der Osteoporose einen grundlegenden Abschnitt der Pathogenese dar. Die hohe Auflösung der Mikro-Computertomographie sowie das nicht-destruktive Ermitteln dreidimensionaler Volumendatensätze machen eine Visualisierung und Quantifizierung der Veränderungen möglich. Im Falle eines simultanen Vorliegens der (Risiko-) Faktoren postmenopausaler Hormonlage und Steroidtherapie zeigt sich jedoch ein noch recht unerforschtes Gebiet, das dringend weitere Aufklärung mithilfe von Tiermodellen sucht. Mittels µCT kann die Bestimmung spezifischer Parameter beim quantitativen Vergleich der Strukt...

Download from

Giessener Elektronische Bibliothek

Doctoral Thesis . 2013

Provider: Giessener Elektronische Bibliothek

Additional functionalities are available on OpenAIRE Explore page

See at OpenAIRE Explore



New: Support for Research activities

Statistics to monitor
Open Science evolution

Researchers helpdesk to
support learning Open
Science practices

Skills and training
modules



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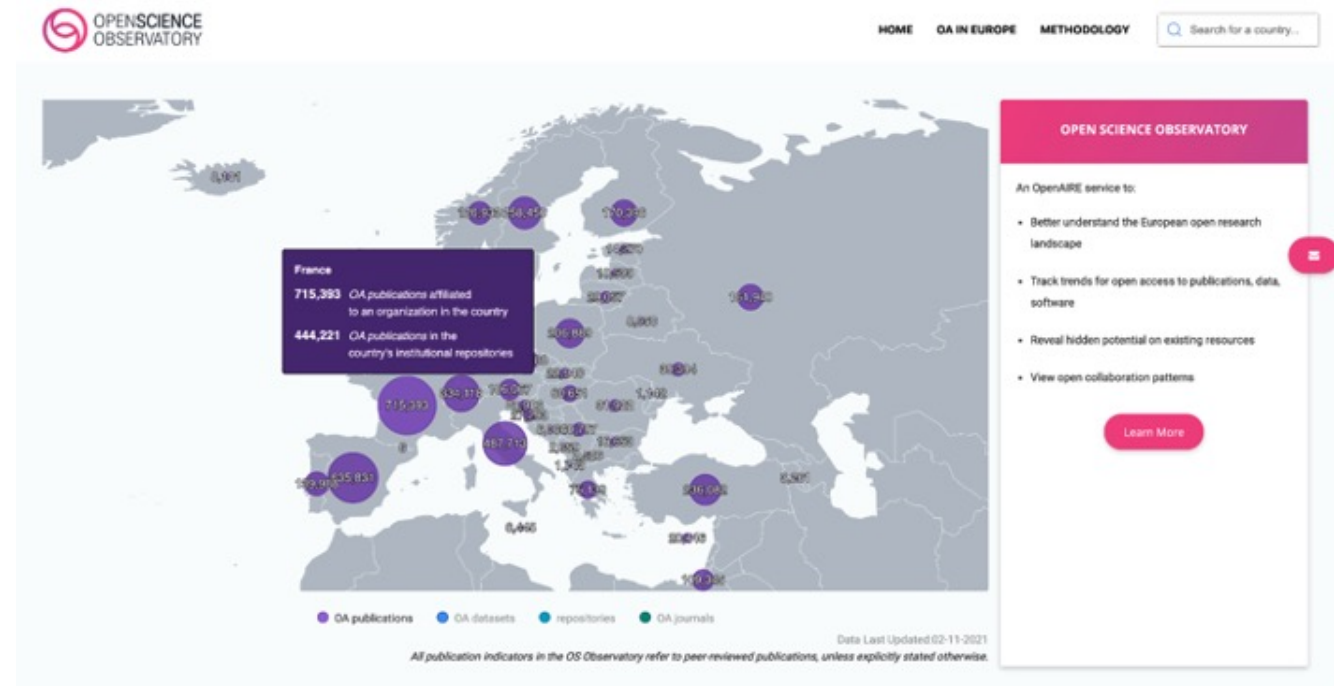


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New: Support for Open Science

- Statistics
 - Based on platform provided by OpenAIRE
 - <https://osobservatory.openaire.eu/>
- Overview of Open Science across Europe
- Detailed view of Open Science across Europe
- Detailed view of Open Science for individual countries





New: Support for Open Science

- Easy access to different types of training support material
 - intuitive navigation
 - events materials, online courses, MOOCs, training workflows etc
- Helpdesk/Messaging
 - allow EOSC user community to submit help requests by transparently reaching out to community experts
- Training Catalogue
 - provide support material such as FAQs and a User forum



Improved: Support and training

- Knowledge Hub
 - provide platform for training and skills activities
- Knowledge Hub Operations
 - operation of training catalogue and training platform services
 - combine training resources into workflows





New: AI-based personalised recommendations

- Provide Users with recommendations concerning items (resources, services, skills and training modules, projects and publications) of possible interest
 - Based on viewing history
 - Based on order history
 - Based on general popularity
 - Based on popularity among users with a similar background/interests
- Provided in real-time, via Front-Office
- Powered by Machine Learning
- Provided offline, via email or other messaging systems



Benefits for Researchers

Automated service order delivery mechanisms integrated by various providers

Integrated information about resource popularity, availability and usage

Guidance through the compatibility of various types of resources

Skills and training modules

Your EOSC dashboard as a space for personalised suggestions, profile management and feedback

Customisable AI-based recommendations for various types of resources

Researchers helpdesk to support learning Open Science practices

New types of EOSC resources (datasets, publications, software, etc.)

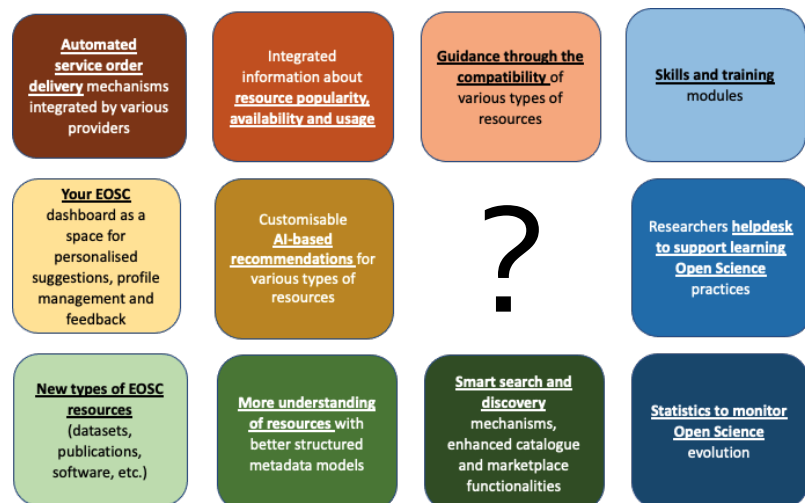
More understanding of resources with better structured metadata models

Smart search and discovery mechanisms, enhanced catalogue and marketplace functionalities

Statistics to monitor Open Science evolution

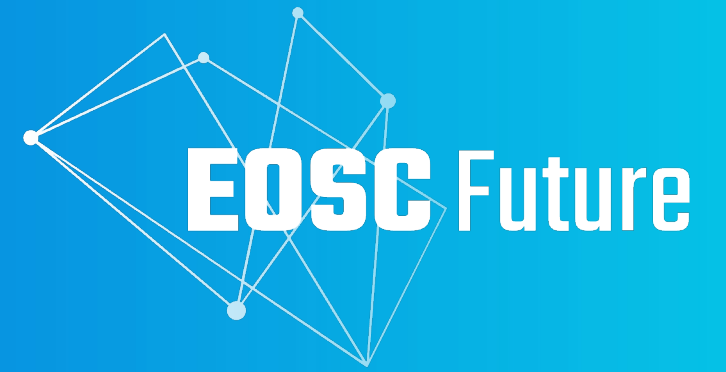


What else?



Let us know what you want from the EOSC Front-Office

contact@eosc-portal.eu



Thank you for your attention

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