EOSC Portal Release 2
Provider component - Key updates

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Welcome to the EOSC Providers Portal

A single platform for providers to onboard their organization into EOSC portal, register and manage their resources and gain rich insights about their offerings in the catalogue.

Onboarding of Resources
Self-service, Workflow-based

Provider Dashboard
Gain full control of your resources in the catalogue

Application Programming Interfaces (APIs)
Programmatic management of resources
Onboard your organization in EOSC
Manage your resources in Providers Dashboard
Manage your Resources Orders
Use APIs to programmatically interact with the catalogue
EOSC Portal Onboarding Process

EOSC Enhance has received funding from the European Union’s Horizon 2020 Research and Innovation programme under Grant Agreement No. 871160.
Onboarding Process is Updated

Provider’s Onboarding is decoupled by Resource Onboarding

Provider Registration → 1st Resource Registration → Provider & resource are activated

Provider Registration → Provider is activated (even w/o resources) → 1st Resource Registration → Resource is activated
Onboarding UI Updated

- Fill in in steps – show progress
- Save as draft
- Online Validations
- Feedback Messages
- Preview
Suggest new values for EOSC vocabularies

User suggests other values

EPOT reviews suggestions
All providers managed by the user in a single place.

- Status of onboarding
- Manage the resource portfolio in EOSC catalogue
- Filter and Update information
- View usage engagement
The Representative is able to perform various actions on the Provider Dashboard:

- View statistics for
- View the list of resources
  - Public
  - Shared
  - Draft
- View messages from users
- Update the Provider Profile: Update the information regarding the organisation.
- Update resources
- Add New Resources
Usage analytics for your resources
- Visits
- Orders
- Add to projects

Resource Portfolio Statistics
- Per target users
- Per category
- Per access type
- ...

Tabs for better organization of stats
New Provider & Resource timeline

Comments provided during updates from EPOT and provider users

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<th>DATE</th>
<th>USER</th>
<th>ACTION</th>
<th>COMMENT</th>
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<td>Catalin Conduruache - <a href="mailto:catalin.conduruache@nigi.eu">catalin.conduruache@nigi.eu</a> (admin)</td>
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<td>10-14-2020</td>
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Geographical distribution of resources

Greece
Services offered in country:
OpenMIND Catalogue of Ancillary Resources
Data Management Expert Guide (DMEG)
Powerful web portal
GEANT MIVPM
GARR Science Gateway
OpenAIRE Content Provider Dashboard
VAMDC Species Database
MetaPDB: a database of metal-binding sites in 3D structures of biological macromolecules
OpenAIRE Broker
EUD High-Throughput Compute
Global Tuna Atlas Spatial Data Repository
robobenchmark
PRACE Advanced Training Centres

Statistics for the entire catalogue

Distribution of resources per resource attribute

Resource distribution in categories

Resource distribution in scientific domains

Resource distribution in target users

Resource distribution in access types
The new navigation for resource providers

Resources navigation

- Access the resource
  - Manage the resource
    - Manage resource

Providers navigation

- Browse resources
  - Manage the provider
    - Provider dashboard
    - Edit provider details
Order parameters configuration

- For providers to publish various offers of a single resource
- Order parameters configuration via UI or API
A service ready to be used by all EOSC resource providers

- No adoption cost
- Email as an integration point. Token – based authentication to access a user order
- Integrated inter-provider communication for multi-provider infrastructure composition scenarios
Order Management Interoperability Patterns

- Various integration methods available from ready to use service to a fully customized solution based on the APIs
- For individual providers and provider communities (catalogues)
- Adaptable to custom provider workflows
Additional tooling for providers

- **Reference JIRA adapter**
  - A lightweight service to integrate provider/community JIRA as an Order Management System
  - A reference point for implementing a tailor-made provider integration
  - Open source
  - [https://github.com/cyfronet-fid/oms-adapter-jira](https://github.com/cyfronet-fid/oms-adapter-jira)

- **Python client library**
  - Streamlines the integration for Python-based services
  - A reference for the REST API use
  - Open source
EOSC Portal APIs
What are the EOSC Portal APIs

**EOSC Catalogue APIs**

- **Resource Controller**: It offers the functionality for managing resources
- **Provider Controller**: It offers the functionality for managing a resource provider
- **Vocabulary Controller**: It offers the functionality to retrieve the metadata & vocabularies used in the EOSC portal
- **Catalogue Controller** – soon to appear

**EOSC Order Management APIs**

- **Offer Controller**: It offers the functionality to manage resource offerings
- **Event Controller**: It offers the functionality to read events
- **Project Controller**: It offers the functionality to read projects
- **Project Item Controller**: It offers the functionality to manage orders and other project items
- **Message Controller**: It offers the functionality to manage messages
- **OMS Controller**: It offers the functionality to read Order Management Systems
The Provider (or Catalogue) Admins obtain an Access and a Refresh token by signing into the AAI service of the EOSC Portal [1].

- Access tokens are valid for 1 hour
- Refresh Tokens are valid for 12 months

Access token is used in the Authorization header when making requests to the EOSC Portal.

- The token is **required** when pushing information with PUT\PUSH methods
- The token is **not required** in GET methods.

https://aai.eosc-portal.eu/providers-api/
**EOSC Portal APIs** [https://providers.eosc-portal.eu/openapi](https://providers.eosc-portal.eu/openapi)


**EOSC Portal API Environments**

- **Production:** [https://providers.eosc-portal.eu/openapi](https://providers.eosc-portal.eu/openapi)
  - Changes update the public catalogue

- **Sandbox:** [https://sandbox.providers.eosc-portal.eu/openapi](https://sandbox.providers.eosc-portal.eu/openapi)
  - Stable Replica of production. Used as a playground for API and end users. Changes DO NOT update the public catalogue

- **Beta:** [https://beta.providers.eosc-portal.eu/openapi](https://beta.providers.eosc-portal.eu/openapi)
  - Beta features and early releases. Changes DO NOT update the public catalogue
Using the EOSC Portal API methods

- EOSC Portal APIs
  - Use SSL - https://

- EOSC Portal APIs Base URLs
  - https://api.eosc-portal.eu/
  - {Base URLs}/{method}
  - https://api.eosc-portal.eu/resource/all
Thanks from EOSC ENHANCE

eosc-portal.eu/enhance  @EoscPortal