Skills 4 eosc

- Skills for the European
- Open Science
- Commons

GRNET Portfolio

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GRNET Mission

National Infrastructures for Research and Technology - GRNET's mission is to offer an integrated environment of cutting-edge technologies, model digital solutions, infrastructures and specialized expertise which contributes to the modernization and digital advancement of the overall users experience in the fields of Public Administration, Education, Research, Health and Culture.

GRNET & European Infrastructures

EU Project Management

Service Management

Service Development

Service Delivery

Policy Development

International Collaborations

GÉANT
European collaboration on e-infrastructures and services for Research and Education

EGI
Federated e-Infrastructure set up for the provision of advanced computing services

EUROPEAN OPEN SCIENCE CLOUD
European Open Science Cloud

Copernicus Europe's eyes on Earth
Collects, stores and provides access to data from the Sentinel satellites of the Copernicus Earth Observation program

EUDAT Collaborative Data Infrastructure
Data shared and preserved across borders and disciplines
Collaborative Data Infrastructure

ETP 4 HPC — EUROPEAN TECHNOLOGY PLATFORM FOR HIGH PERFORMANCE COMPUTING
European Technology Platform for High Performance Computing

ARIADNE.eu
Integrating existing archeological data infrastructure across Europe to explore research methodologies

ePIC
European Persistent Identifiers Service

euro-ix
The European Internet Exchange Association for strengthen and improve the Internet Exchange Point (IXP) community

PRACE — PARTNERSHIP FOR ADVANCED COMPUTING IN EUROPE
Partnership for Advanced Computing in Europe

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Supporting eosc

Co-funded by the European Union

UKRI UK Research and Innovation

Projects / An idea

LOT -1

A fully operational enabling infrastructure for EOSC – referred to as "the EOSC EU Node" – providing access to a rich portfolio of FAIR data and professional quality interoperable services in all relevant domains from data handling to computing, processing, analysis and storing.

EOSC Beyond enhances EOSC Core capabilities, enabling seamless access to Open Science resources for EOSC Nodes and researchers.

The FAIRCORE4EOSC project focuses on the development and realisation of core components for the European Open Science Cloud (EOSC). Supporting a FAIR EOSC and addressing gaps identified in the Strategic Research and Innovation Agenda (SRIA)

Services for e-Infrastructures / service

Monitoring Service

ARGO is a lightweight service for Service Level Monitoring designed for medium and large sized e-Infrastructures.

ARGO Messaging Service

A real-time messaging service that allows the user to send and receive messages between independent applications.

Accounting Service

A service that aggregates accounting data.

Services - Monitoring

ARGO monitoring is the key service needed to gain insights into an infrastructure. It is continuous and on-demand to quickly detect, correlate, and analyze data for a fast reaction to anomalous behavior.

The key functional features are:
- Monitoring of services
- Real Time Reporting availability and reliability,
- Real Time Visualization of the services' status,
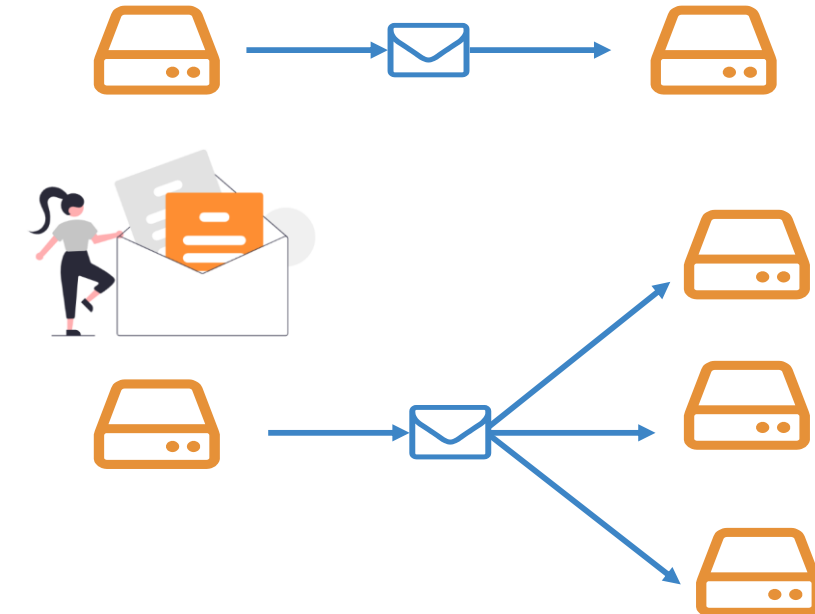- Provide dashboard interfaces,
- Sending real-time alerts.

https://argoeu.github.io/

Services - Messaging Service

ARGO Messaging Service is a real-time messaging service that allows the user to send and receive messages between independent applications. It is implemented as a Publish/Subscribe Service.

A scalable HTTP Messaging Service With:
- an HTTP API for client access
- Transparent scalability & high availability
- Access controls implemented at the API layer
- Instrumentation at the API layer

https://argoeu.github.io/argo-messaging/

Services - Accounting

The Accounting Service is a platform that is responsible for collecting, aggregating, and exchanging the metrics between different infrastructures, providers, and projects.

Functionalities of the service

- Accepting input from several different resources, define and support metrics
- Store metrics into a data store.
- Search, filter, offer data for a specific time period via API, UI
- Associate Resource (services) with Metrics.

Service Portfolio - AAI Solutions

RCIAM

Identity Access Management for Research Communities - Authentication and authorization for members of interdisciplinary scientific communities.

Federation Registry

Single gateway for managing OpenID Connect & SAML services for Research Communities

Auth Metrics

A platform for collecting & analysing key events related to authentication, user registrations, and group memberships

GRNET eID Proxy

A proxy that is used to easily connect a service with other networks) eIDAS network)

https://rciam.github.io/rciam-docs/

Services related to PIDs

CAT
EOSC Compliance Assessment Toolkit

PIDMR
EOSC PID Meta Resolver

SWHM
EOSC Software Heritage Mirror

The Compliance Assessment Toolkit will support the EOSC PID policy with services to encode, record, and query compliance with the policy.

The EOSC PID Metaresolver a generalized resolver for mapping items into records. It will improve machine based data processing and will allow getting digital object information.

The EOSC Software Heritage Mirror (SWHM) is a copy of the Software Heritage universal source code archive, A mirror

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Services related to PIDs

The **Compliance Assessment Toolkit** will support the EOSC PID policy by providing:

- Vocabulary Services
- API Services
- User Interfaces

Compliance Assessment Toolkit for EOSC: a set of concepts, implemented with cutting edge Technologies, accessible via APIs, and supported by user interfaces via the APIs.

The Compliance Assessment Toolkit will support the EOSC PID policy with services to encode, record, and query compliance with the policy. To do so, a wide range of compliance requirements (TRUST, FAIR, PID Policy, Reproducibility, GDPR, Licences) will be evaluated as use cases for definition of a conceptual model.

https://cat.argo.grnet.gr/

Services related to PIDs

One Place to Resolve all Persistent Identifiers

PIDMR
EOSC PID
Meta Resolver

https://pidmr.argo.grnet.gr/

PID Meta Resolver is

- A scalable Metaresolver, based on reliable and mature software..

- Human and machine interaction

- User friendly UI

1 helps the researcher get PID information without in-depth knowledge of the resolution mechanism of different PID systems

2 improves machine based data processing

3 knows where to route different types of identifiers (eg DOI, URN)

Services solutions to specific domains

PID by GRNET
Persistent Identifiers Service

Persistent Identifiers
Service.
Mint and Manage
Persistent Identifiers for
your resources.

e-Sealing digital
signature service

E-signature Rest API.
Signing, timestamping
and validation of PDF
documents.

Recommendation
Metrics
Framework

A framework that
support the
evaluation and
adaptation of
recommendation
mechanisms.

Thank you!
Questions?

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Open Science Cloud Competence Center – Greece:
https://www.skills4eosc.eu/network/competence-centres/open-science-cloud-competence-center-in-greece

Skills4EOSC website: https://www.skills4eosc.eu

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