

First steps in adopting PIDs for services in EOSC-Nordic

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INTEGRATION AND INTEROPERABILITY

OF PROSPECTIVE EOSC SERVICE PROVIDERS IN NORDIC AND BALTIC COUNTRIES

Integration

Identify existing Nordic generic and thematic service providers.

Support integration and discovery of their services via the EOSC portal

Interoperability

Foster organizational, semantic and technical interoperability of service providers.

Propose improvements of the interoperability approach within EOSC.

EOSC

Local/national services



Why do we want PIDs?

- **Unique key** when publishing and updating services in EOSC portal or other catalogues.
- A way to get **automated reports for service providers** about the attributions.
- A way to address **EOSC upcoming requirements** (from EOSC WG, Virtual Access, etc)

Nordic e-Infrastructure Services

<https://neic.no/services/>

NORDIC E-INFRASTRUCTURE SERVICES

A Nordic e-Infrastructure Service is a service fulfilling the following criteria:

1. Complies with the [EOSC Rules of Participation](#);
2. Can be accessed cross-border (in the Nordics at least);
3. Service provider, e.g. National e-infrastructure, agrees to have it listed;
4. Service delivery is either automated or could be automated.

The following list contains the Nordic e-Infrastructure Services separated into different categories. You can also search for a specific service using the search field below.

Nordic e-Infrastructure Services is a registered collection with a Datacite PID [10.23673/kpyv-1k13](#).

A snapshot of Nordic EOSC services and their PIDs

Computerome 2.0 - HPC →

Provided by **DeiC** 🇩🇰 / doi: [10.23673/9pcr-fq51](https://doi.org/10.23673/9pcr-fq51) (stats)

Access to Computerome is available to everyone interested in Life Sciences

Garpur HPC cluster →

Provided by **University of Iceland** 🇮🇸 / doi: [10.23673/8x14-2a69](https://doi.org/10.23673/8x14-2a69) (stats)

General purpose HPC cluster run by University of Iceland

Puhti →

Provided by **CSC** 🇫🇮 / doi: [10.23673/84jn-jz91](https://doi.org/10.23673/84jn-jz91) (stats)

Computing cluster for serial and parallel jobs.

UT Rocket →

Provided by **University of Tartu** 🇪🇪 / doi: [10.23673/ph6n-0144](https://doi.org/10.23673/ph6n-0144) (stats)

General purpose HPC cluster in UT HPCC.

Service view

← → ↻ 🔒 search.datacite.org/works/10.23673/ph6n-0144# ☆ 🧩 🟢 1 🎧 S 🌐 🗨️ 📄

DataCite Search Works People Repositories Members Support

UT Rocket

Service published
General purpose

🗨️ 1 citation ⓘ

🔗 <https://doi.org/10.23673/PH6N-0144>

1 Citation

1 citation reported since publication in 2018.

UT Rocket


APA Harvard MLA Vancouver Chicago IEEE BibTeX RIS

University of Tartu. *UT Rocket*. share.neic.no. <https://doi.org/10.23673/PH6N-0144>

📄 Copy to Clipboard

Default landing site for each PID

```
$ curl -s -I https://doi.org/10.23673/ph6n-0144 | grep location
location: https://share.neic.no/#/marketplace-public-offering/c8107e145e0d41f7a016b72825072287/
```

 **UT Rocket**
Provided by University of Tartu

Type	Request-based item	Billing enabled	✓
Category	HPC	Created	2018-11-21 01:30
State	Active	Datacite DOI	10.23673/ph6n-0144
Shared	✓	Referral count	1 Details

Description

Terms of service

Features

System information

Performance

Security


Node information

Support

Offering details


Rocket cluster is a general purpose HPC cluster under SLURM management. The main part of the Rocket cluster consists of 135 compute nodes, two compute nodes with GPUs and a headnode. In addition to these nodes, there is a large memory machine with 2TB of RAM and two GPFS filesystem servers, which will provide fast storage for the entire cluster. All the machines mentioned above are connected to a fast Infiniband 4X QDR fabric.

Provider location



Landing site contains elements expected from a service website to pass EOSC-portal validation


And we also started with basic automated analysis...



Referrals for UT Rocket

Show entries Refresh

Showing 1 to 1 of 1 entries.

Title ↕	Published ↕	Publisher	PID	IsCitedBy
 Nordic e-Infrastructure Services	2020	EOSC-Nordic	10.23673/kpyv-1k13	

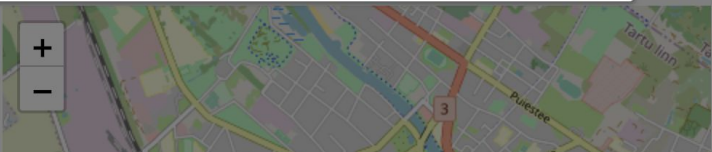
Previous 1 Next

Cancel

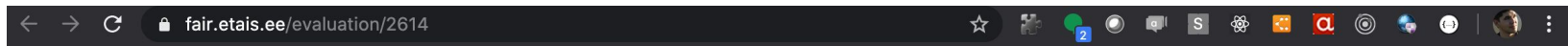
Offering

Rocket cluster

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We are somewhat FAIR :)



Thu, 14 May 2020 10:58:24 +0000

Test of: 10.23673/ph6n-0144



F Metrics



A Metrics



I Metrics



R Metrics

GUID: 10.23673/ph6n-0144

Date: Thu, 14 May 2020 10:58:24 +0000

FAIR Metrics Gen2 - Data Identifier
Explicitly In Metadata

FAIR Metrics Gen2 - Data Identifier
Persistence

FAIR Metrics Gen2 - Grounded
Metadata

FAIR Metrics Gen2- Metadata
Identifier Explicitly In Metadata

FAIR Metrics Gen2 - Identifier
Persistence

FAIR Metrics Gen2 - Searchable in
major search engine

FAIR Metrics Gen2 - Structured
Metadata

FAIR Metrics Gen2- Unique Identifier

Toy example, but
automated assessment of services would be very valuable.

Where to next?

- Integration of DMPs with services using PIDs.
- Figuring out if we can push accounting data as usage to PIDs.
- Figuring out if we can push service ordering data into PID metadata.
- Better charts for service providers.

Thank you!

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