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.

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/

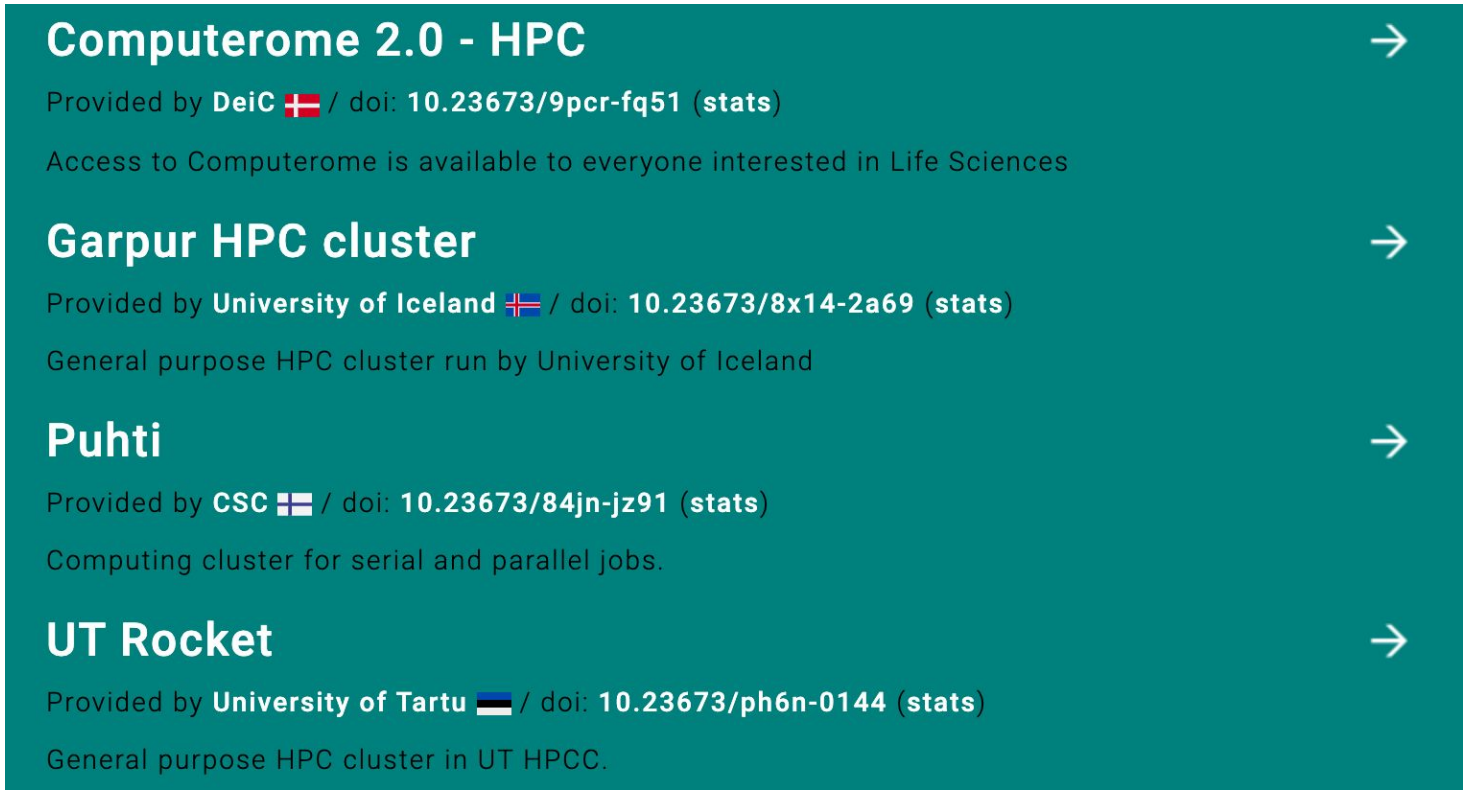
NORDIC E-INFRASTRUCTURE SERVICES

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.

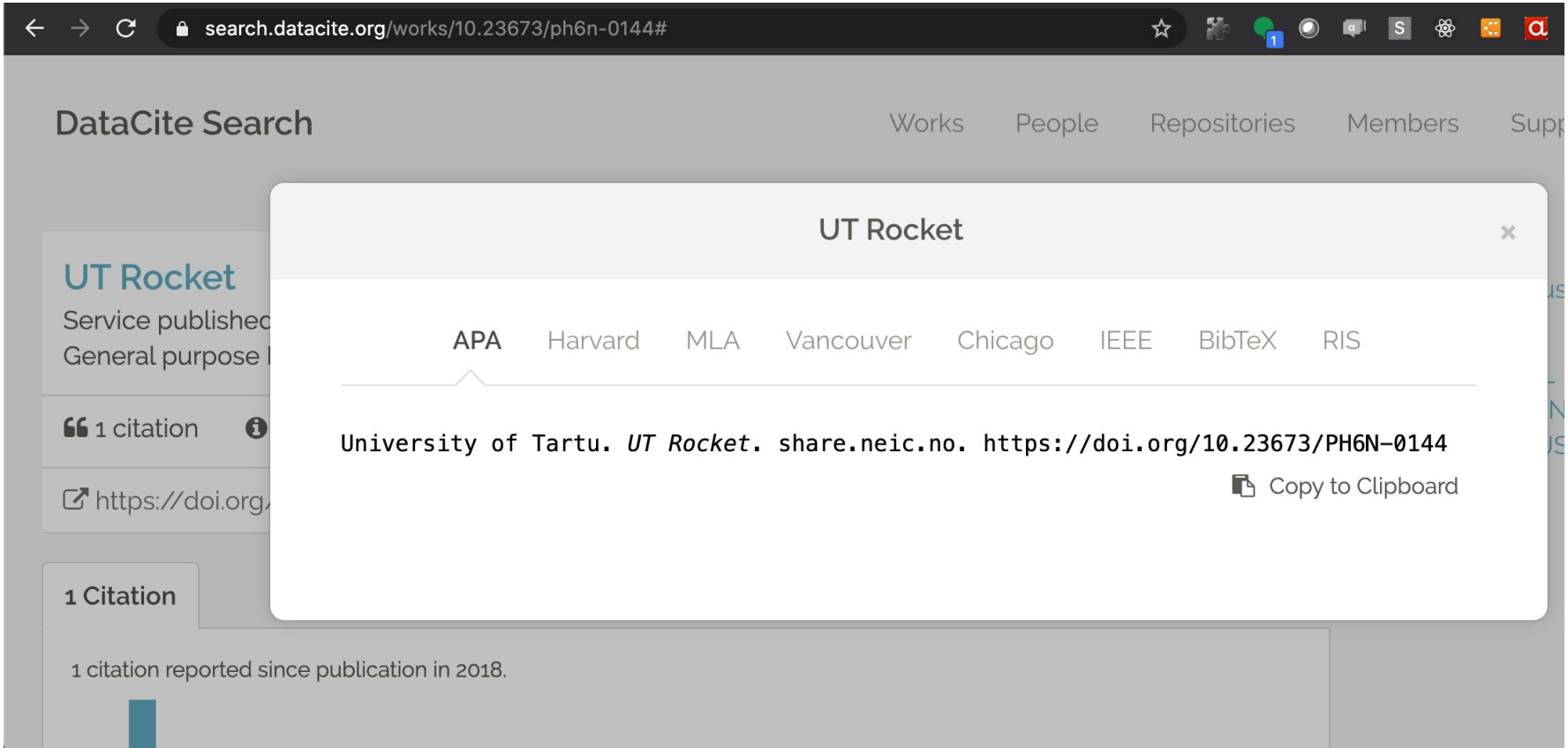
The following list contains the Nordic e-Infrastructure Services separated into different categories. You can also search for a specific service using the search field below.

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

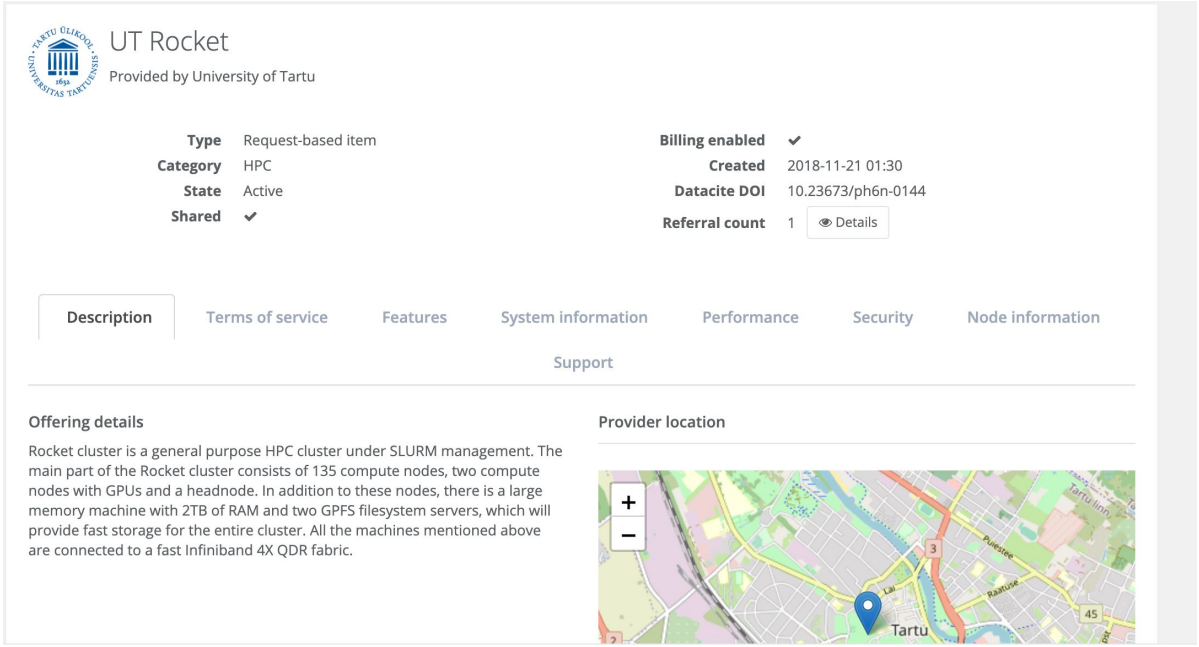


Service view



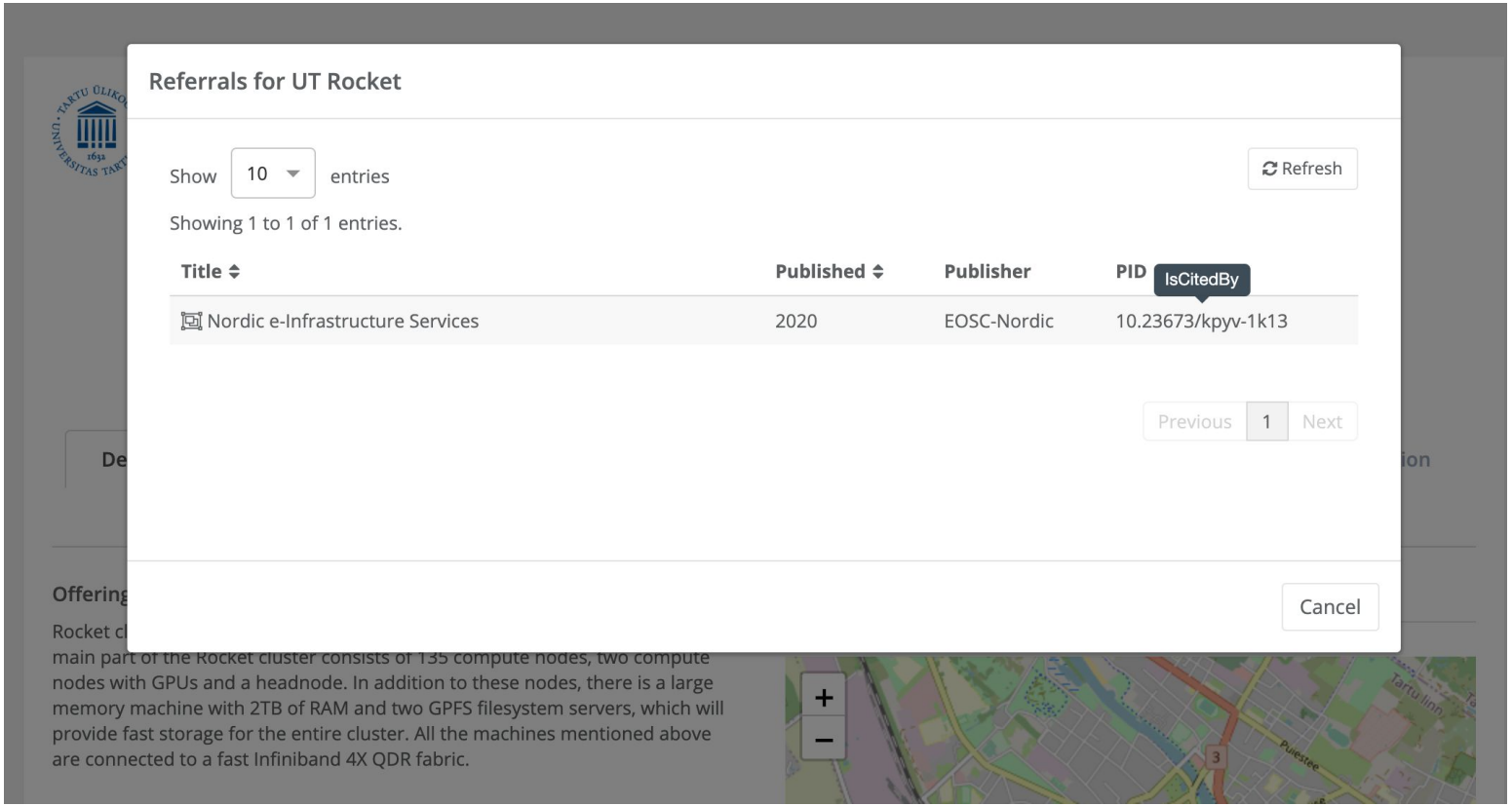
Default landing site for each PID

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



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

And we also started with basic automated analysis...

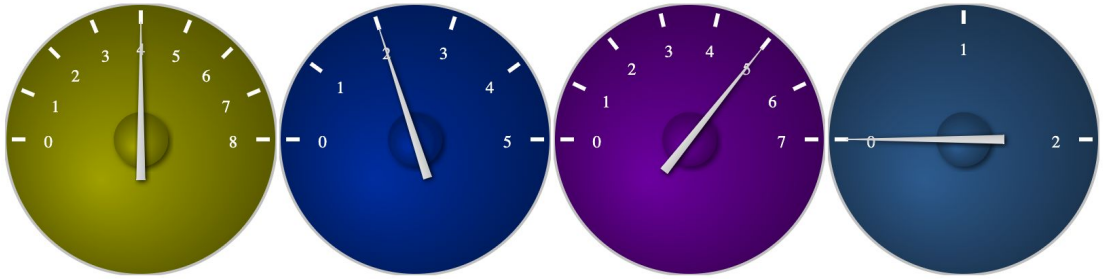


We are somewhat FAIR :)

fair.etais.ee/evaluation/2614

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.

Evaluated using an automatic evaluator by Mark Wilkinson

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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