On-boarding Thematic Services

NI4OS-Europe on-boarding train-the-trainer

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Agenda

❑Thematic services

❑On-boarding Thematic Services

❑Thematic Services Resource Description Template

❑Thematic Services On-boarding process

NI4OS Europe Thematic Services

❑Thematic services are research community-specific services that provide value to the researchers.

❑In this category, we have grouped highly cross-disciplinary services that typically provide access to the community-specific data resources

❑Thematic Services can be tools for various analyses, comparison, visualization, study, and all other numerous aspects of post-processing.

❑Proposed by a number of researchers coming from research institutions all across the region

Thematic Services On-boarding

Activities along the process of On-boarding towards EOSC

- ❑ Service Description
- ❑ User manual
- ❑ Terms of Use
- ❑ Privacy policy
- ❑ Helpdesk
- ❑ Code Repository
- ❑ PID for service
- ❑ Auth and Authz

- ❑ Generic Service Integration
- ❑ Monitoring
- ❑ Datasets production
- ❑ Training resources
- ❑ Accounting
- ❑ API production
- ❑ Workflow production
- ❑ Service Management Level

Thematic Services Resource Description Template

❑Extension of Common Resource Description Template

❑Key elements of the Common Resource Description Template
- ❑ Resource Provider
- ❑ Basic information (Name, Endpoint, TRL)
- ❑ Marketing information (Tagline, Description, Logo, Web, Target Users)
- ❑ Classification information (Domain, Supercategory, Category, Subcategory)
  - ❑ Wiki
- ❑ Location information (Geographical availability, Language)
  - ❑ Cannot be less than Regional, English is prefered
- ❑ Service integration with NI4OS services

Thematic Services Resource Description Template

❑Extension of Common Resource Description Template elements:

❑Computational/Storage requirements

❑ Computational requirements

❑ Requires VM(s)

❑ Number of VM(s)

❑ Storage requirements [GB]

❑ Require HPC

❑ HPC resources

❑ Require GPUs as part of HPC

❑ Amount of GPUs

❑ Require VMs with GPU acceleration

❑ Amount of VMs with GPUs

Thematic Services Resource Description Template

❑ Extension of Common Resource Description Template elements:
- ❑ Basic information
  - ❑ Deployed in an existing infrastructure
  - ❑ Available training material
  - ❑ Workflows available
  - ❑ Pipeline available
  - ❑ Uses data stored in repository
  - ❑ Produce data
  - ❑ Amount of produced data per year
  - ❑ Metadata schema of the data
  - ❑ Ontologies of the data

Thematic Services Resource Description Template

❑Extension of Common Resource Description Template elements:

❑ Software details

❑ License of the software

❑ Software code repository

On-Boarding process

❑Evaluate the TRL level with the Service Providers

❑On-boarding starts with TRL > 7

❑Collect data and enter in the portfolio system for all services (even TRL < 8)

On-boarding Process

❑NI4OS will provide templates for:
   ❑ Terms of Use
   ❑ Privacy policy

❑User manual should be in English with examples of usage

On-boarding Process

❑ Next steps (easier):
  ❑ Helpdesk
  ❑ Code Repository
  ❑ PID for services
  ❑ Monitoring
  ❑ Training resources

❑ More challenging:
  ❑ Auth and Authz
  ❑ Generic Service Integration – May influence implementation
  ❑ Datasets production
  ❑ Accounting
  ❑ API production – Even though it is further down the line, lower TRL services should implement API as early as possible
  ❑ Workflow production
  ❑ Service Management Level > 1

Thank you

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