The PITHIA-NRF e-Science Centre

Prof Tamas Kiss,
University of Westminster

2nd PITHIA-NRF Training School.

Leuven, Belgium

5-9 February, 2024

What is the PITHIA e-Science Centre?

- A central web portal to provide a single point of entry to heterogenous and distributed resources
- Standardised metadata and ontology-based search
- Seamless interaction with all registered resources
- Usage is free and available for everyone – https://esc.pithia.eu

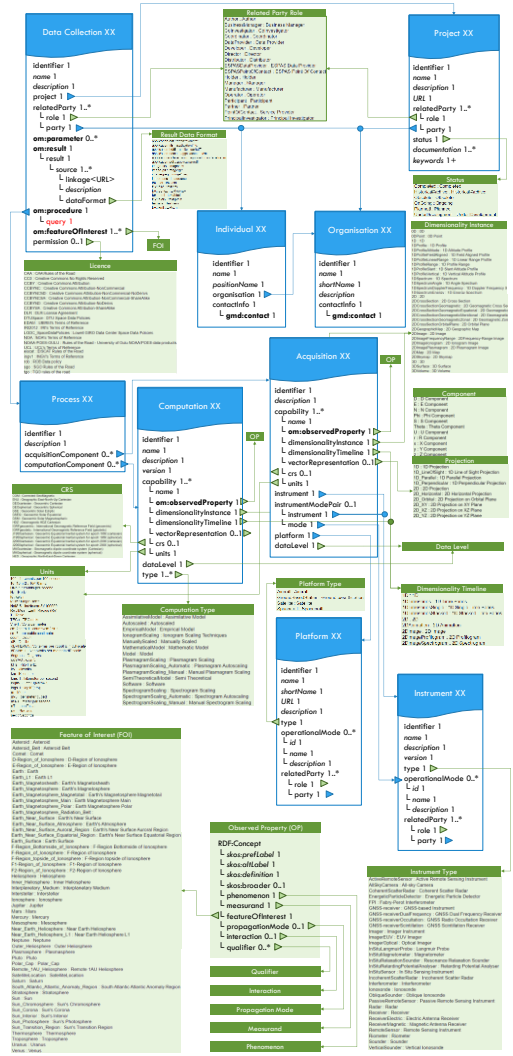
Main features of the e-Science Centre?

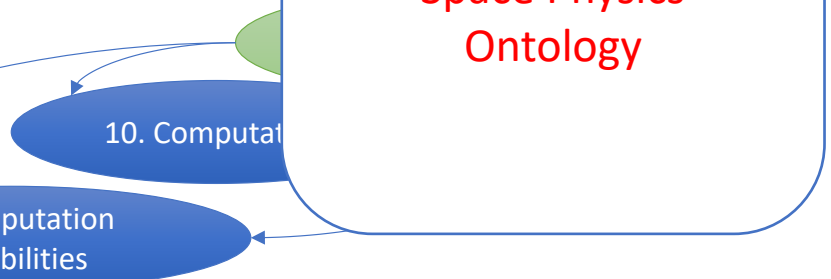
- **Access:**
  - Access to all content is free and open to anyone
  - Publication of new content and modification of existing content only after registration
- **Search** by ontology terms, keywords or categories
- **Content types**:
  - Data Collection – model or algorithm
  - Catalogue
  - Workflow
- **Interaction** with content through:
  - automatically generated web user interfaces in the eSC
  - A link that the user to the original site
- **Publication** of content via standard XML-based specifications (FAIR principles)

PITHIA Ontology and Metadata Structure

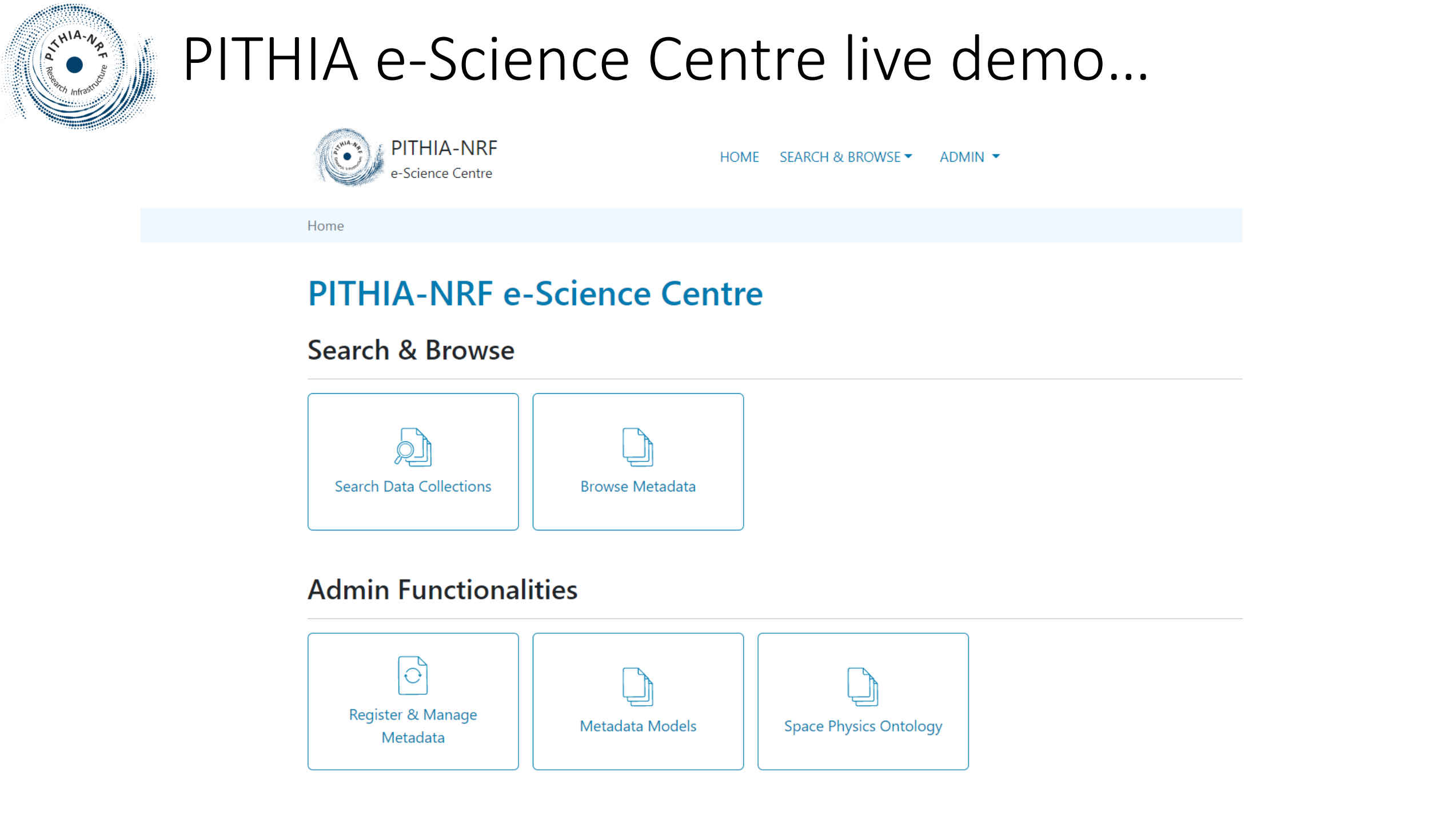
Registration to be completed in defined order considering dependencies

Acceptable values are defined by the PITHIA Space Physics Ontology





PITHIA e-Science Centre live demo…



Thank you for your attention!

WEB: https://www.pithia-nrf.eu

The PITHIA-NRF project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 101007599