PITHIA-NRF Sustainability Plan

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PITHIA-NRF Sustainability Objectives (*DoA*)

- **Sustainable Operation**
  - Continuous training and tools for innovation solutions
  - Sustainable operation of PITHIA-NRF
  - Guarantee the preservation of the collected data
- **Sustainable Research Infrastructure Community**
  - Foster a culture of co-operation between the participants and other relevant stakeholders
  - Ensure consultation and integration with stakeholders within and beyond the consortium
  - Engagement of all relevant projects incl. the major ESFRI systems
  - A common vision for the optimized operation of the involved infrastructure so that can be exhaustively used by the researchers
  - A continuous exploitation procedure that will ensure development align with the requirements of the stakeholders
  - Engagement of the private sector to develop innovative products
  - Adjust services to meet the requirements of specific users for validation and calibration of new instrumentation, for testing new instrumentation and for the design and development of new data products. Systematic exploitation of this capability will support sustainability plan
  - A robust e-Science environment based on a solid data management plan

Sustainability Issues

Sustainable Operation
- Any related design issues?
- How much the cost/effort?
- How to finance (e.g. the e-science centre core functionality needs one funding stream (probably international) 2. The models and datasets are maintained by the contributing centres (probably from national/institutional funds)?
- Any risks, e.g. change of cloud providers, resource become pay4use; staff

Sustainable Financing Mechanism
- What financing model PITHIA-NRF would want to go?

PITHIA-NRF KERs
- What are the project products?
- What are the KERs

Sustainable Legal Status
- Will PITHIA-NRF go for a legal entity?
- In what form?
- What is the roadmap/action plan?

Data Management Policy
- What should a PITHAI-NRF Data Management policies include?
- How to define a PITHIA-NRF quality assessment plan?

User Access Policy
- What should be the PITHIA –NRF user access policy?

Sustainable Governance
- What need to be added/removed/improved in a sustainable PITHIA-NRF RI, e.g. legal PITHI-NRF organisation?

Risk Assessment & Management

Innovation & Technology Transfer

Public Awareness & Outreach
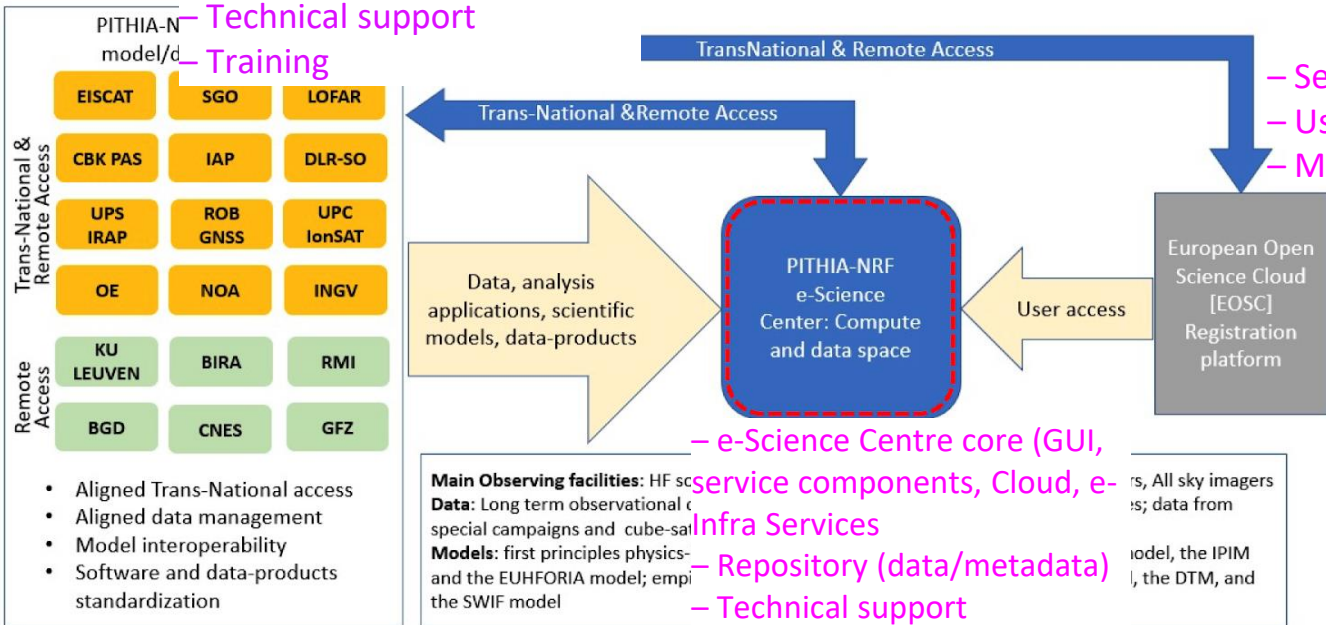
Sustain PITHIA-NRF Operation

- **Minimal level**: Operation of the existing system with bug fixing
- **Advanced level**: adding new features

--Maintain the data/model (accessibility/availability)
-- User support
– Technical support
– Training

– Service order
– User Support
– Marketing

– e-Science Centre core (GUI, service components, Cloud, e-Infra Services
– Repository (data/metadata)
– Technical support
-- Bug fixing
-- Cloud compute/storage

Possible PITHIA-NRF KERs

KER1 PITHIA-NRF e-Science Centre and Support

This encompasses both development and delivery PITHIA-NRF e-Science Center including the specification of functionality, interactions and resulting architecture of both front-end and back-end of e-Science Centre.

KER2 PITHIA-NRF Dataset/Models

Set of resources registered to the e-Science Centre by PITHIA-NRF Nodes, e-infrastructures to serve the needs of research communities and the widening to the general public and private sector.

KER3 Science Use Cases

This covers the integration of the cross-domain use cases.

KER4 Commercial Services and Support

PITHIA-NRF Innovation Hub.

Exploitation Process

Identifying Project Result

Identifying Key Exploitable Results

Gathering information about each KER

Exploitation, IP Management