

# Generic Services of the Open Call

TtT event on the Open Call

14/4/2022

Andreas Athenodorou

The Cyprus Institute

NI4OS-Europe, WP6 leader



# The EOSC on-boarded generic services

- ❑ HPC Services
- ❑ Cloud Services
- ❑ Data Processing Services
- ❑ Storage Services
- ❑ Other Services

# The EOSC on-boarded generic services

## □ HPC Resources

□ CPU



□ GPU



□ Xeon Phi



## □ Cloud Virtual Machines



## □ Generic Storage



□ Data management services (Archival, Repository, Data discovery, Hadoop on-demand, Data analysis service, Simple storage)



- ❑ ARIS – GR
- ❑ Avitohol – BG
- ❑ Isabella – HR
- ❑ PARADOX – RS
- ❑ Cyclone – CY
- ❑ Leo HPC – HU

## ❑ HPC Resources

- ❑ CPU



- ❑ GPU



- ❑ Xeon Phi



- ❑ Total number of resources
  - ❑ 6.2 Million CPU-core hours
  - ❑ 402 Thousand GPU-card hours
  - ❑ 10 Thousand Xeon Phi-card hours

# HPC Services - resources

System	Allocation for the open call		
	CPU-core hours	GPU-card hours	Phi-card hours
ARIS	3,000,000	15,000	
Avitohol	1,000,000		10,000
Isabella	1,000,000	0	
PARADOX	500,000	2,000	
Cyclone	500,000	15,000	
Leo HPC	200,000	370,000	
<b>Total:</b>	<b>6,200,000</b>	<b>402,000</b>	<b>10,000</b>

# Cloud services

- ❑ FINKI – MK
- ❑ ICIPRO Cloud – RO
- ❑ Avitohol – BG
- ❑ Gcloud.ge – GE
- ❑ ASNET-AM Cloud – AM
  
- ❑ Total number of resources
  - ❑ 364 VMs

## ❑ Cloud Virtual Machines



# Cloud services - resources

System	Allocation for the open call	
	VM-cores	
FINKI		140
ICIPRO		64
Avitohol		80
GCoud.ge		64
ASNET-AM		16
<b>Total</b>		<b>364</b>

- ❑ PARADOX Hadoop cluster – RS
  - ❑ A service suitable for analysis of datasets.
  - ❑ It consists of a single name node that runs the YARN resource manager, and three additional data nodes.
  - ❑ PARADOX Hadoop cluster is designed to overlap computation and data storage operations, i.e., to enable performing of computation on the same machine(s) that store the corresponding data.
- ❑ For the open call purposes, **200,000 CPU-hours** of the Data analysis service are allocated.



## ❑ ARIS Archival – GR

- ❑ Data archiving for moving data that is no longer being used or are being used on a less frequent fashion into a separate storage device.
- ❑ Projects accepted in the open call will be offered with **10 TB** of storage space.

## ❑ Simple Storage Service – RS

- ❑ Service for storing and sharing research data as well as keeping it synchronized across different devices.
- ❑ Projects accepted in the open call will be granted **100 GB** of storage space.



## ❑ RePol – Repository Policy Generator



- ❑ An open-source web application that guides users through the process of defining policies for repositories and web-based services.

## ❑ LCT – Licence Clearance Tool



- ❑ Facilitates and automates the clearance of rights (copyright) for datasets, media, software and other content before they are released under an open licence or stored at a publicly trusted FAIR repository.

## ❑ RoLECT – EOSC RoP Legal & Ethics Compliance Tool



- ❑ Tool aims to help in addressing the need of researchers to publish in FAIR/open modes.

# Thanks for your attention!