EGI VO

OPERATIONAL LEVEL AGREEMENT

Service Provider	EGI Foundation
Component Provider	**INFN-PISA**
User	**LSGC/vo:biomed**
First day of service delivery	01/08/2016
Last day of service delivery	30/06/2023
Status	FINAL
Agreement finalization date	02/09/2016
SLA Link	https://documents.egi.eu/document/2874

DOCUMENT LOG

Issue	Date	Comment	Author
FINAL	02/09/2016	OLA signed with the provider	Małgorzata Krakowian Giuseppe La Rocca
v2	21/11/2017	Updated OLA until 01/2019	Giuseppe La Rocca
v3	19/12/2018	Extended OLA with provider till 01/2020	Giuseppe La Rocca
v4	22/11/2019	Extended OLA with provider till 01/2021	Giuseppe La Rocca
v5	12/01/2021	Extended OLA with provider till 06/2023	Yin Chen

TERMINOLOGY

The EGI glossary of terms is available at: https://wiki.egi.eu/wiki/Glossary

For the purpose of this Agreement, the following terms and definitions apply. The key words "MUST", "MUST NOT", "REQUIRED", "SHALL", "SHALL NOT", "SHOULD", "SHOULD NOT", "RECOMMENDED", "MAY", and "OPTIONAL" in this document are to be interpreted as described in RFC 2119.

Contents

The present Operational Level Agreement ("the Agreement') is made between **EGI Foundation (the Service Provider)** and **INFN-PISA (the Component Provider)** to define the provision and support of the provided services as described hereafter. Representatives and contact information are defined in Section 6.

The "Life-Science community" covers notably the following scientific domains: bioinformatics, genomics, bio-banking, medical imaging, (statistical) analysis and systems biology (e.g., virtual physiological human). It covers research groups from Universities, research centers and industry, IT actors developing tools for Life Sciences, hospitals and ESFRIs. The goal of the VRC is to serve the European Life Sciences community in its exploitation of the grid.

The User is a consortium represented by the **French National Center for Scientific Research (CNRS).**

This Agreement is valid from **01/08/2016** to **30/06/2023**.

Once approved, **this Agreement is automatically renewed**, as long as the Provider does not express a decision to terminate the Agreement at least a month before the end date of the Agreement.

The Agreement was discussed and approved by the Customer and the Provider **02/09/2016**.

The Agreement extends the Resource Center OLA[1] with the following information:

1 The Services

Possible allocation types:

- Pledged - Resources are exclusively reserved to the Community and the job will be executed immediately after submission.
- Opportunistic - Resources are not exclusively allocated, but subject to local availability.
- Time allocation - Resources are available in fair share-like mode for a fixed time period.

Possible payment mode offer:

- Sponsored - Model where the customer uses services that are funded, or co-funded by the European Commission or government grants.
- Pay-per-use - Model where customers directly pay for the service used.

The Services are defined by the following properties:

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[1] https://documents.egi.eu/document/31

High-Throughput Compute (category: Compute)

Description: https://www.egi.eu/services/high-throughput-compute/

- Resource Center: **INFN-PISA (Country: Italy)**
    - High-Throughput Compute
        - Guaranteed computing time [HEPSPEC-hours]:
        - Opportunistic computing time [HEPSPEC-hours]: 4.3 Million per year
        - Max job duration [hours]: 72
        - Min local storage [GB] (scratch space per each core used by the job): 10GB
        - Min physical memory per core [GB]: 1GB (2GB for the next year)
        - Middleware:
        - Other technical requirements: No
        - Duration: 01/08/2016 – 30/06/2023
        - Payment offer mode: Sponsored
    - Allocation type: Opportunistic
    - Provider AUP link: https://documents.egi.eu/document/2623
    - Supported VOs: biomed
    - VO ID card: https://operations-portal.egi.eu/vo/view/voname/biomed
    - GOCDB endpoint urls: gridce2.pi.infn.it (CREAM-CE), gridce3.pi.infn.it (CREAM-CE) and gridce4.pi.infn.it (CREAM-CE)

Online Storage (category: Storage)

Description: https://www.egi.eu/services/online-storage/

- Resource Center: **INFN-PISA (Country: Italy)**
    - Online Storage
        - Guaranteed storage capacity [TB]:
        - Opportunistic storage capacity [TB]: 0.5TB
        - Standard interfaces supported[2]: POSIX
        - Storage technology[3]: StoRM
        - Other technical requirements: No
        - Duration: 01/08/2016 – 30/06/2023
        - Payment offer mode: Sponsored
    - Allocation type: Opportunistic
    - Provider AUP link: https://documents.egi.eu/document/2623
    - Supported VOs: biomed
    - VO ID card: https://operations-portal.egi.eu/vo/view/voname/biomed

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[2] CDMI, POSIX, SWIFT, etc.
[3] DPM, dCache, STORM, etc.

o   GOCDB endpoint urls: gridsrm.pi.infn.it (SRM)

2 Service hours and exceptions

As defined in Resource Center OLA.

3 Support

As defined in Resource Center OLA.

3.1 Incident handling

As defined in Resource Center OLA.

3.2 Service requests

As defined in Resource Center OLA.

4 Service level targets

Monthly Availability

- Defined as the ability of a service or service component to fulfil its intended function at a specific time or over a calendar month.
- Minimum (as a percentage per month): 85%

Monthly Reliability

- Defined as the ability of a service or service component to fulfil its intended function at a specific time or over a calendar month, excluding scheduled maintenance periods.
- Minimum (as a percentage per month): 90%

Quality of Support level

- Medium (Section 3)

5 Limitations and constraints

As defined in Resource Center OLA and:

- Availability and Reliability calculations are based on the Service Monitoring operational results.

- • Failures in VO monitoring are not considered as the Agreement violations.

6 Communication, reporting and escalation

6.1 General communication

The following contacts will be generally used for communications related to the service in the scope of this Agreement.

EGI Foundation contact	Małgorzata Krakowian sla@mailman.egi.eu SLA Coordinator at EGI Foundation
Component Provider contact	Enrico Mazzoni grid-prod@lists.pi.infn.it enrico.mazzoni@pi.infn.it
Service Support contact	See Section 3

6.2 Regular reporting

As defined in Resource Center OLA.

6.3 Violations

As defined in Resource Center OLA.

6.4 Escalation and complaints

As defined in Resource Center OLA.

7 Information security and data protection

As defined in Resource Center OLA.

8 Responsibilities

8.1 Of the Provider

As defined in Resource Center OLA.

8.2 Of the Customer

As defined in Resource Center OLA and:

- • Support coordination with other Providers;
- • Support coordination and conflict resolution with the User;

8.3 Of the User

- All responsibilities of the User are listed in relevant VO SLA.

9 Review, extensions and termination

As defined in Resource Center OLA.