



EGI VO

OPERATIONAL LEVEL AGREEMENT

Service Provider	EGI Foundation
Component Provider	INFN-CATANIA-STACK
Customer	OBSEA/vo.obsea.es
First day of service delivery	01/04/2019
Last day of service delivery	01/05/2022
Status	FINAL
Agreement finalization date	21/05/2019
SLA and OLA Link	https://documents.egi.eu/document/3452
Template Version	v2.12



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DOCUMENT LOG

<i>Issue</i>	<i>Date</i>	<i>Comment</i>	<i>Author</i>
FINAL	21/05/2019	OLA agreed with the provider till May 2020	Małgorzata Krakowian Giuseppe La Rocca
v.1	29/10/2019	Increased the GB of RAM of the VM hosting the SOS web service	Giuseppe La Rocca
v.2	17/01/2020	Extended agreement till 05/2021	Giuseppe La Rocca
v.3	11/06/2021	Extended agreement till 05/2022	Giuseppe La Rocca

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

1	The Services	4
2	Service hours and exceptions	6
3	Support	6
3.1	Incident handling	6
3.2	Service requests	7
4	Service level targets	7
5	Limitations and constraints	7
6	Communication, reporting and escalation	7
6.1	General communication	7
6.2	Regular reporting	8
6.3	Violations	8
6.4	Escalation and complaints	8
7	Information security and data protection	8
8	Responsibilities	8
8.1	Of the Component Provider	8
8.2	Of EGI Foundation	8
8.3	Of the Customer	8
9	Review, extensions and termination	9

The present Operational Level Agreement (“the Agreement”) is made between **EGI Foundation (the Service Provider)** and **INFN-CATANIA-STACK (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.

OBSEA¹ is an underwater cabled observatory deployed in 2009. This seafloor observatory is located 4 km off the Vilanova i la Geltru coast in a fishing protected area. It is connected to the coast by an energy and communications mixed cable. The main advantages of having a cabled observatory are that it provides an uninterrupted power supply to the scientific instruments and offers a high bandwidth communication link. This way, real time data is available and problems encountered in battery powered systems are avoided. With OBSEA, it is possible to perform a real time observation of multiple parameters in the marine medium.

The Customer is a consortium represented by **Universitat Politècnica de Catalunya**².

This Agreement is valid from **01/04/2019** to **01/05/2022**.

Once approved, **this Agreement is automatically renewed**, as long as the Component 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 EGI Foundation and the Component Provider **21/05/2019**.

The Agreement extends the Resource Center OLA³ with the following information:

1 The Services

Possible allocation types:

- **Pledged** - Resources are exclusively reserved to the Community.
- **Opportunistic** - Resources are not exclusively allocated, but subject to local availability.
- **Time allocation** - Resources are available 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-for-use** - Model where the Customer directly pays for the service used.

¹ <https://obsea.es/>

² <https://www.upc.edu/ca>

³ <https://documents.egi.eu/document/31>

The Services are defined by the following properties:

Cloud Compute (category: Compute)

Description: <https://www.egi.eu/services/cloud-compute/>

- Component Provider: **INFN-CATANIA-STACK** (Country: Italy)
 - Cloud Compute:
 - Number of virtual CPU cores: 10 cores
 - Memory per core (GB): 20GB
 - Local disk (GB): 160 in total
 - Public IP addresses: 4
 - Payment mode offer: Sponsored
 - Other technical requirements:
 - Duration: 01/04/2019 – 01/05/2022
 - Allocation type: Pledged
 - Provider AUP link: <https://documents.egi.eu/document/2623>
 - Supported VOs: vo.obsea.es
 - VO ID card: <https://operations-portal.egi.eu/vo/view/voname/vo.obsea.es>
 - VO-wide list: <https://operations-portal.egi.eu/vo/view/voname/vo.obsea.es>
 - GOCDB endpoints urls: stack-server.ct.infn.it (org.openstack.nova)

Online Storage (category: Storage)

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

- Component Provider: **INFN-CATANIA-STACK** (Country: Italy)
 - Block Storage:
 - Guaranteed storage capacity [TB]: 0.2
 - Opportunistic storage capacity [TB]:
 - Standard interfaces supported: POSIX
 - Storage technology: Not specified
 - Other technical requirements:
 - Duration: 01/04/2019 – 01/05/2022
 - Payment mode offer: Sponsored
 - Supported VOs: vo.obsea.es
 - Allocation type: Pledged
 - Provider AUP link: <https://documents.egi.eu/document/2623>
 - Supported VOs: vo.obsea.es
 - VO ID card: <https://operations-portal.egi.eu/vo/view/voname/vo.obsea.es>
 - GOCDB endpoints urls: N/A

2 Service hours and exceptions

As defined in Resource Center OLA⁴.

3 Support

As defined in Resource Center OLA⁵.

3.1 Incident handling

As defined in Resource Center OLA.

3.2 Service requests

As defined in Resource Center OLA⁶.

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): 90%

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): 95%

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.

⁴ <https://documents.egi.eu/document/31>

⁵ <https://documents.egi.eu/document/31>

⁶ <https://documents.egi.eu/document/31>

- 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	Giuseppe La Rocca sla@mailman.egi.eu SLA Coordinator at EGI Foundation
EGI Foundation technical contact	Matthew Viljoen operations@egi.eu Operations manager at EGI Foundation
Component Provider contact	Giuseppe Platania giuseppe.platania@ct.infn.it
Component Provider technical contact	Giuseppe Platania giuseppe.platania@ct.infn.it
Service Support contact	See Section 3

6.2 Regular reporting

As defined in Resource Center OLA.

6.3 Violations

The Component Provider commits to inform the EGI Foundation, if the Agreement is violated or violation is anticipated.

The following rules are agreed for communication at the event of the violation:

- In case of violations of the Services targets for **four months (within reporting period) or two consecutive months**, the Component Provider will provide justifications to EGI Foundation.
- In case of service target violation, the Component Provider must provide justifications and a plan for service enhancement **within 10 working days** from the date of the notification to/from the EGI Foundation.
 - In case of no or unsatisfactory justification and plan for improvement, EGI Foundation reserves the right to replace the Component Provider.
- EGI Foundation will notify the supporting Component Provider in case of suspected violation via the EGI Service Desk (Section 3). The case will be analysed to identify the cause and verify the violation.

6.4 Escalation and complaints

For escalation and complaints (A customer complaint is a customer's expression of dissatisfaction with an EGI service, either orally or in writing), EGI Foundation contact (section 6.1) point shall be used, and the following rules apply.

- In case of repeated violation of the Services targets for **four months (within reporting period)** or **two consecutive months**, a review of the Agreement will take place involving the parties of the Agreement.
- Customer complaints or concerns about the Service(s) provided directed to the EGI Foundation contact will be shared with corresponding Component Providers.

7 Information security and data protection

The following rules for information security and data protection related to the Service apply.

- Assertion of absolute security in IT systems is impossible. The Component Provider is making every effort to maximize the security level of users' data and minimise possible harm in the event of an incident.
- The Component Provider will define and abide by an information security and data protection policy related to the service being provided.
- The parties of the Agreement will meet all requirements of any relevant policy or procedure to the Component Provider⁷ and will comply with the applicable national legislation.
- The Component Provider holds the role of the data controller.

8 Responsibilities

8.1 Of the Component Provider

As defined in Resource Center OLA⁸.

In addition:

- The Component Provider is responsible for monitoring of the usage and taking appropriate action to avoid overuse of resources defined in this agreement. EGI Foundation is not responsible for any costs incurred by over usage of what was otherwise defined in this agreement.
- The Component Provider shall not terminate the virtual machines without agreement with EGI Foundation.

⁷ https://www.egi.eu/about/policy/policies_procedures.html

⁸ <https://documents.egi.eu/document/31>

- Notification of resource termination shall be sent to the EGI Foundation 15 calendar days before.

8.2 Of EGI Foundation

As defined in Resource Center OLA⁹ and:

- Support coordination with other Component Providers;
- Support coordination and conflict resolution with the Customer;
- Support the Customer with data movement in case of OLA termination.

8.3 Of the Customer

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

9 Review, extensions and termination

As defined in Resource Center OLA¹⁰.

⁹ <https://documents.egi.eu/document/31>

¹⁰ <https://documents.egi.eu/document/31>