



## EGI VO

# OPERATIONAL LEVEL AGREEMENT

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<b>Customer</b>	EGI Foundation
<b>Provider</b>	INFN-PADOVA
<b>User</b>	EMSODEV/vo.emsodev.eu
<b>First day of service delivery</b>	01/09/2016
<b>Last day of service delivery</b>	31/12/2017
<b>Status</b>	FINAL
<b>Agreement finalization date</b>	04/10/2016
<b>SLA Link</b>	<a href="https://documents.egi.eu/document/2888">https://documents.egi.eu/document/2888</a>

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## DOCUMENT LOG

<i>Issue</i>	<i>Date</i>	<i>Comment</i>	<i>Author</i>
<b>FINAL</b>	04/10/2016	Final version of OLA	Małgorzata Krakowian 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 .....	5
3	Support .....	5
3.1	Incident handling .....	5
3.2	Service requests .....	5
4	Service level targets .....	5
5	Limitations and constraints .....	6
6	Communication, reporting and escalation .....	6
6.1	General communication .....	6
6.2	Regular reporting .....	6
6.3	Violations .....	6
6.4	Escalation and complaints .....	7
7	Information security and data protection .....	7
8	Responsibilities .....	7
8.1	Of the Provider .....	7
8.2	Of the Customer .....	7
8.3	Of the User .....	7
9	Review, extensions and termination .....	7

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

The European project EMSODEV<sup>1</sup> will make it easier to analyse the effects of climate change and pollution in seafloor ecosystems thanks to the optimization of the data flow acquired by marine observatories. The project, funded under Horizon 2020, is conducted by ten European countries under the coordination of the Italian National Institute of Geophysics and Volcanology (INGV).

The User is a consortium represented by the partners of the EMSODEV project (INGV is the coordinator of the project).

This Agreement is valid from **01/09/2016** to **31/12/2017**.

The Agreement was discussed and approved by the Customer and the Provider **04/10/2016**.

The Agreement extends the Resource Center OLA<sup>2</sup> with following information:

## 1 The Services

Possible access 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.

The Services are defined by the following properties:

### Cloud Compute (category: Compute)

Cloud Compute gives you the ability to deploy and scale virtual machines on-demand. It offers guaranteed computational resources in a secure and isolated environment with standard API access, without the overhead of managing physical servers. Cloud Compute offers the possibility to select pre-configured virtual appliances (e.g. CPU, memory, disk, operating system or software) from a catalogue replicated across all EGI cloud providers.

- Resource Centre: **INFN-PADOVA-STACK**
  - Cloud Compute
    - Number of Virtual CPU cores: up to 120 cores (15 VM instances with 8 vCPU cores, 16GB of RAM and 100GB of storage)

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<sup>1</sup> <http://www.emso-eu.org/>

<sup>2</sup> <https://documents.egi.eu/document/31>

- Memory: up to 240 GB (15 VM instances with 8 vCPU cores, 16GB RAM and 100GB of storage)
- Scratch/ephemeral storage: 1.5 TB
- Public IP addresses: provided upon request
- Access type: Opportunistic
- Payment mode offer: for free
- Other technical requirements:
- Duration: 01/09/2016 to 31/12/2017
- Online Storage
  - Guaranteed storage capacity [TB]:
  - Opportunistic storage capacity [TB]: up to 1.5
  - Supported VOs: vo.emsodev.eu
  - Duration: 01/09/2016 to 31/12/2017

## 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): **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.
- 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.

<b>EGI Foundation contact</b>	Małgorzata Krakowian <a href="mailto:sla@mailman.egi.eu">sla@mailman.egi.eu</a> SLA Coordinator at EGI Foundation
<b>Provider contact</b>	Marco Verlato <a href="mailto:marco.verlato@pd.infn.it">marco.verlato@pd.infn.it</a>
<b>Service Support contact</b>	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.