



## EGI VO

# OPERATIONAL LEVEL AGREEMENT

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<b>Customer</b>	EGI Foundation
<b>Provider</b>	CYFRONET-CLOUD
<b>User</b>	Terradue/hydrology.terrardue.com, geohazards.terrardue.com
<b>First day of service delivery</b>	01/01/2016
<b>Last day of service delivery</b>	01/01/2018
<b>Status</b>	FINAL
<b>Agreement finalization date</b>	19/04/2016
<b>SLA Link</b>	<a href="https://documents.egi.eu/document/2763">https://documents.egi.eu/document/2763</a>

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## DOCUMENT LOG

<i>Issue</i>	<i>Date</i>	<i>Comment</i>	<i>Author</i>
<b>FINAL</b>	19/04/2016	Final version 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.

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The present Operational Level Agreement (“the Agreement”) is made between **EGI Foundation (the Customer)** and **CYFRONET (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 Space Agency (ESA) funded Terradue for the development of the e-Collaboration for Earth Observation (e-CEO) platform, to support on-line Data Challenges where researchers have the opportunity to tackle new research problems in a “parallel and collaborative way” and to facilitate the comparison and evaluation of different problem-solving approaches. The platform is developed and operated by Terradue. The e-CEO platform leverages Terradue’s Cloud Brokering framework (based on OpenNebula), and has been already used with external providers (Interoute, Amazon EC2) and potentially others.

This Agreement is valid from **01/01/2016 to 01/01/2018**.

The Agreement was discussed and approved by the Customer and the Provider **19/04/2016**

The Agreement extends the Resource Center OLA<sup>1</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: **CYFRONET-CLOUD (Country: Poland)**
  - Cloud Compute
    - Number of Virtual CPU cores: 8VMs with 2 cores, 16 in total
    - Memory: 4GB/core on average
    - Scratch/ephemeral storage: 100GB per VM
    - Public IP addresses: possible, but limited

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<sup>1</sup> <https://documents.egi.eu/document/31>

- Access type: Opportunistic
- Payment mode offer: Free
- Other technical requirements: FedCloud/OCCI support
- Duration: 01/01/2016 – 01/01/2018
- Supported VOs: geohazards.terradue.com, hydrology.terradue.com
- VO ID card:
  - <https://operations-portal.egi.eu/vo/view/voname/geohazards.terradue.com>
  - <https://operations-portal.egi.eu/vo/view/voname/hydrology.terradue.com>
- VO-wide list:
  - <https://appdb.egi.eu/store/vo/geohazards.terradue.com>
  - <https://appdb.egi.eu/store/vo/hydrology.terradue.com>

## 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.

<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>	Lukasz Dutka <a href="mailto:Lukasz.dutka@cyfronet.pl">Lukasz.dutka@cyfronet.pl</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.