



EGI VO

OPERATIONAL LEVEL AGREEMENT

Service Provider	EGI Foundation
Component Provider	INFN-PADOVA-STACK
Customer	WeNMR/[vo:eu.enm]
First day of service delivery	01/01/2016
Last day of service delivery	30/06/2023
Status	FINAL
Agreement finalization date	23/06/2016
SLA and OLA Link	https://documents.egi.eu/document/2751
Version	[v2.12]



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DOCUMENT LOG

<i>Issue</i>	<i>Date</i>	<i>Comment</i>	<i>Author</i>
FINAL	26/02/2020	OLA signed with the cloud provider	Małgorzata Krakowian Giuseppe La Rocca
v0.2	15/01/2018	Updated OLA until 12/2020	Giuseppe La Rocca
v0.3	25/07/2019	Changed user name from MoBrain to WeNMR	Małgorzata Krakowian
v0.4	26/03/2020	Extended the pledged resources for supporting COVID-19 research projects	Giuseppe La Rocca
v0.5	11/12/2020	Extend agreement till 06/2023	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-PADOVA-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.

The main objective of WeNMR is to lower barriers for scientists to access modern e-Science solutions from micro to macro scales. By building on grid- and cloud-based infrastructures and on the existing expertise available within WeNMR¹ and N4U² and by integrating molecular structural biology and medical imaging services and data.

The Customer is a consortium represented by the **Faculty of Science – Chemistry, Utrecht University**.

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

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 **23/02/2020**.

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 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-for-use** - Model where customers directly pay for the service used.

The Services are defined by the following properties:

Cloud Compute (category: Compute)

¹ <http://www.wenmr.eu/>

² neugrid4you.eu

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

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

- Resource Centre: **INFN-PADOVA-STACK (Country: Italy)**
 - Cloud Compute
 - Number of virtual CPU cores: 144
 - Memory per core (GB): 2GB per core, 288GB in total
 - Local disk (GB): up to 160GB
 - Public IP addresses: yes
 - Payment mode offer: Sponsored
 - Other technical requirements: 100 AMD Opteron 6238 physical CPU cores
 - Duration: 01/01/2016 - 30/06/2023
 - Allocation type: Pledged
 - Provider AUP link: <https://documents.egi.eu/document/2623>
 - Supported VOs: enmr.eu
 - VO ID card: <https://operations-portal.in2p3.fr/vo/view/voname/enmr.eu>
 - VO-wide list: <https://vmcaster.appdb.egi.eu/store/vo/enmr.eu/image.list>
 - GOCDB endpoint urls: egi-cloud.pd.infn.it (org.openstack.nova)

High-Throughput Compute (category: Compute)

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

- Resource Center: **INFN-PADOVA (Country: Italy)**
 - High-Throughput Compute
 - Guaranteed computing time [HEPSPEC-hours]:
 - Opportunistic computing time [HEPSPEC-hours]: up to 10 Million per year
 - Max job duration [hours]: 72
 - Min local storage [GB] (scratch space per each core used by the job): 1GB
 - Max number of cores per node:
 - Min physical memory per core [GB]: 2GB, 288GB in total
 - Middleware: gLite CREAM CE
 - Payment mode offer: sponsored
 - Other technical requirements: 144 AMD Opteron 6174 physical CPU cores
 - Duration: 01/01/2016 – 31/12/2020
 - Allocation type: Pledged (LSF fair-share for HTC)
 - Provider AUP link: <https://documents.egi.eu/document/2623>
 - Supported VOs: enmr.eu

- o VO ID card: <https://operations-portal.in2p3.fr/vo/view/voname/enmr.eu>
- o GOCDDB endpoint urls: [cert-37.pd.infn.it \(CREAM-CE\)](https://cert-37.pd.infn.it) , [prod-ce-01.pd.infn.it \(CREAM-CE\)](https://prod-ce-01.pd.infn.it)

Online Storage (category: Storage)

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

- Resource Centre: **INFN-PADOVA-STACK (Country: Italy)**
 - Online Storage
 - Guaranteed storage capacity [TB]: 1
 - Opportunistic storage capacity [TB]:
 - Standard interfaces supported⁴: POSIX
 - Storage technology⁵: Cinder (OpenStack block storage), Onedata (experimental)
 - Payment mode offer: Sponsored
 - Other technical requirements:
 - Duration: 01/01/2016 - 30/06/2023
 - Allocation type: Pledged
 - Provider AUP link: <https://documents.egi.eu/document/2623>
 - Supported VOs: enmr.eu
 - VO ID card: <https://operations-portal.in2p3.fr/vo/view/voname/enmr.eu>
 - GOCDDB endpoint url: [prod-se-01.pd.infn.it \(SRM\)](https://prod-se-01.pd.infn.it)

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.

⁴ CDMI, POSIX, SWIFT, etc.

⁵ DPM, dCache, STORM, etc.

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	Giuseppe La Rocca sla@mailman.egi.eu SLA Coordinator at EGI Foundation
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EGI technical contact	Matthew Viljoen operations@egi.eu Operations manager at EGI Foundation
Component Provider contact	Marco Verlato marco.verlato@pd.infn.it
Component Provider technical contact	Marco Verlato marco.verlato@pd.infn.it
Service Support contact	See Section 3

6.2 Regular reporting

As defined in Resource Center OLA.

6.3 Violations

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

- In case of violations of the Services targets for **four months** or **two consecutive months**, the component provider will provide justifications to EGI Foundation.
- 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** or **two consecutive months**, a review of the Agreement will take place involving the parties of the Agreement.
- Complaints or concerns about the Services provided directed to the EGI Foundation contact will be shared with the Service component provider.

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 of the Provider⁶ 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 OLA.

- The component provider shall not terminate the virtual machines without agreement with EGI Foundation.

8.2 Of EGI Foundation

As defined in Resource Center OLA and:

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

8.3 Of the Customer

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

9 Review, extensions and termination

As defined in Resource Center OLA.

⁶ https://www.egi.eu/about/policy/policies_procedures.html