



GREEN COMPUTING TASK FORCE (GC-TF)

TERMS OF REFERENCE

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1 Title

The name of the task force is Green Computing Task Force, abbreviated “GC-TF” and hereafter referred to as “the Task Force”.

2 Definitions

EGI Glossary: <http://go.egi.eu/glossary>

3 Purpose and Responsibilities

The EGI-ACE¹ project is proposing to contribute to the general efforts to transition to a low-carbon, competitive economy through Green Computing (GC) and ICT Sustainability by maximizing the positive environmental benefits and minimizing negative impact.

The GC-TF (“the Task Force”) has been established within EGI-ACE Task 7.2 to coordinate the Green Computing activities within the EGI-ACE project by developing and applying best practices.

Specific responsibilities include:

- Create a knowledge catalogue including best practices and training material oriented to serve as basic guidelines to improve energy usage and efficiency at data centers.
- Measure the progress and improvements achieved by EGI-ACE partners during the project.
- Identify best practices among partners including measures for reducing energy consumption as well as achieving optimal metrics.
- Achieve alignment and disseminate knowledge across as many resource providers as possible within the project.
- Liaise between complementary GC activities in other projects, for example INFRAEOSC-03.
- Promote conformity with GC best practice (particularly the “2021 Best Practice Guidelines for the EU Code of Conduct on Data Centre Energy Efficiency”²) and standards (notably BS-EN 50600-4-1:2016) across participating data centres.
- Introduce Data Centre Infrastructure Management (DCIM) as an enabler in measuring and improving GC and produce recommendations for the promotion of DCIM to EOSC data centres.

¹<https://www.egi.eu/projects/egi-ace>

²<https://e3p.jrc.ec.europa.eu/publications/2021-best-practice-guidelines-eu-code-conduct-data-centre-energy-efficiency>

- Spread the know-how and encourage more data centres to put into place the necessary equipment and procedures to gather the information required to calculate and improve upon their Power Usage Effectiveness (PUE).

4 Composition

4.1 Chair

The task force is co-chaired by representatives of 3 project partners (CNRS, CSIC, Jisc - UKRI) participating in the EGI-ACE WP7.2 task.

4.1.1 Duties

The co-Chairs will be responsible for calling and running regular meetings and polling the members for agenda items. Regular agenda items will include, but not limited to:

- Tracking the progress and improvement achieved by the project partners on Green Computing activities
- Reports from GC-TF members on best practices to reduce energy consumption
- Review and prioritisation of the activities of the Task Force.

A note taker is appointed at the beginning of each meeting.

4.1.2 Term of Office

The term of office is for the duration of the EGI-ACE project.

4.2 Membership

Invitations to participate in the GC-TF are sent initially to partners that participated in the Green Computing survey launched in M6 of EGI-ACE. There is no limit on the number of members of the Task Force.

5 Operating Procedures

5.1 Communications and Meetings

- The topics and issues to be addressed can be specified either by EGI-ACE SDS³ or by the Task Force itself.
- The Task Force deliberations happen by face-to-face meetings, phone/video conferences or via the Task Force mailing list.
- All the members of the Task Force must subscribe to the mailing list and should use it as primary written communication channel (see Section 5.3)
- The Task Force will meet approximately every 8 weeks via conference call services provided by the EGI Foundation. Where practicable, the agenda together with reports and documents that relate to the meeting will be forwarded to members at least 1 week in advance of the meeting
- Accurate minutes will be kept of the major discussion points and the decisions reached at each meeting of the Task Force. The minutes of a meeting shall be distributed to the Task Force members within a week of the meeting. Minute taking will be managed using a rota system.
- Meeting agendas, minutes, and actions accessible online to the members (see Section 5.3).
- The Task Force regularly consults with relevant stakeholders through online means such as surveys and webinars, and in physical meetings.

5.2 Decision Making

- Wherever possible, the GC-TF will arrive at proposed draft recommendations documents and/or advice by clear consensus, as determined by the co-Chairs.
- A voting process is not foreseen for the GC-TF.
- The GC-TF may by majority decision refer matters for decision to the EGI-ACE SDS on issues where a consensus cannot be achieved.

5.3 Communication Channels

Communication channel	Reference
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³ <https://confluence.egi.eu/display/EGIACE/Project+Governance+and+management>

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The GC-TF mailing list	green-computing-TF@mailman.egi.eu
Main wiki page	Green Computing Task Force - EGI Boards and Groups - EGI Confluence
Members	Green Computing Task Force - EGI Boards and Groups - EGI Confluence
Meetings and minutes	https://indico.egi.eu/category/321/
Documents	https://confluence.egi.eu/display/EGIBG/Green+Computing+Task+Force

6 Amendment

These Terms of Reference can be amended by mutual agreement of the Task Force Members through consultation and consensus. The amendments must be approved by the EGI-ACE SDS. The Task Force will review its Terms of Reference annually.