

PITHIA-NRF

Plasmasphere Ionosphere Thermosphere Integrated Research Environment and Access services: a Network of Research Facilities



User Registration

at PITHIA e-Science Centre

User Guide

Version 1.2

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Table of Contents

1.	Abbreviations	2
2.	Introduction	2
	Registration at the e-Science Centre	
	Join an Existing Institution	
5.	Register a New Institution	. 13
6.	Manage Registrations	. 16

1. Abbreviations

eSC e-Science Centre

idP Identity Provider

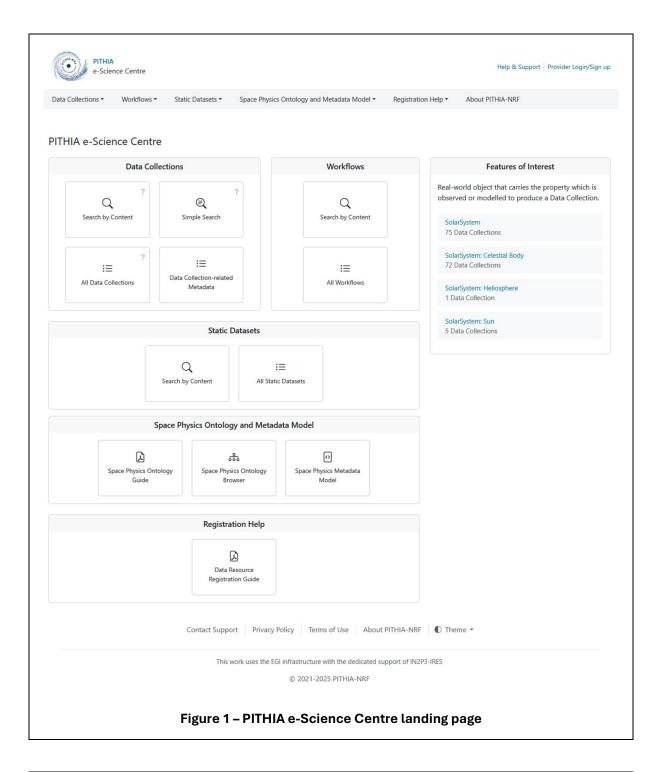
2. Introduction

This document provides detailed instructions on how users can register and obtain permission to publish Data Collections, Workflows, and Static Datasets at the PITHIA e-Science Centre (eSC).

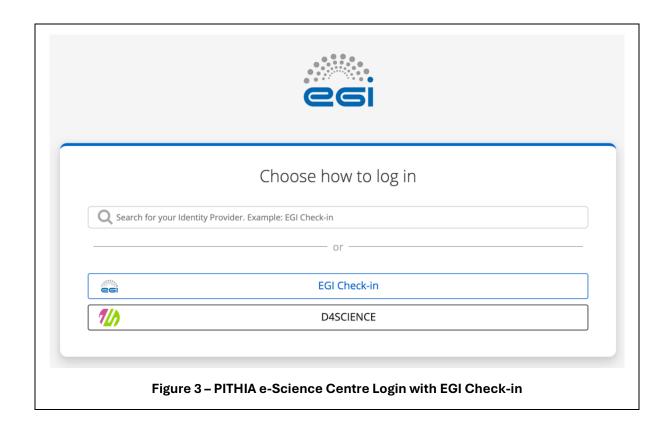
3. Registration at the e-Science Centre

A user must register at the e-Science Centre only when it is required to publish resources – Data Collections, Workflows, and Static Datasets. Figure 1 presents the landing page of the e-Science Centre. In the top right corner, the user must select the Provider Login/Sign Up option (Figure 2). The e-Science Centre will redirect the user to the EGI Check-in¹ identity management system (Figure 3), so that the user can authenticate and login to the eSC.

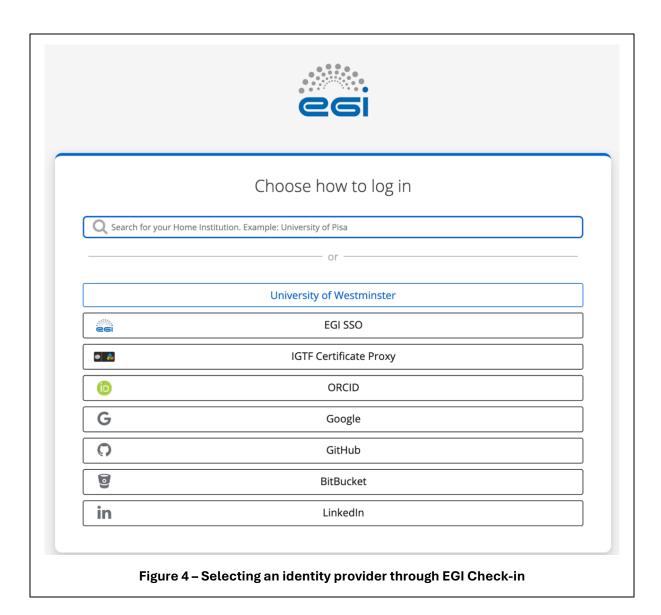
¹ EGI Check-in - https://www.egi.eu/service/check-in/

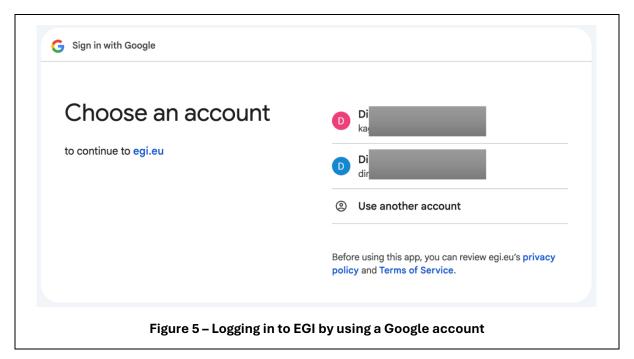


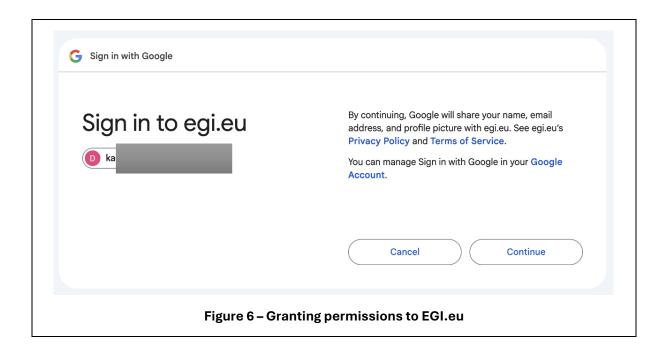




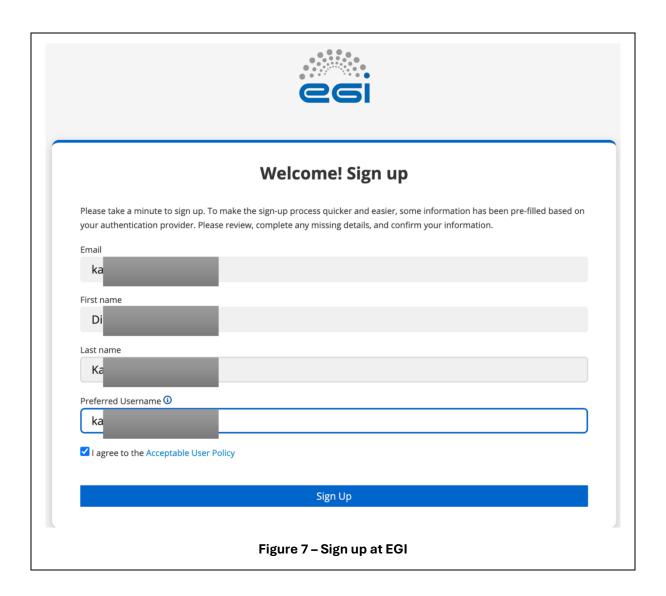
In Figure 3 above, the user must select whether they would like to log in by using D4SCIENCE or EGI Check-in. The most common option for the PITHIA community is EGI Check-in. Once the user selects EGI Check-in, they must select an Identity Provider (idP) (Figure 4). The recommended authentication method requires a user to search for their Home Institution, such as the University of Westminster, as shown in the figure, and log in using their institutional credentials at their home institution's authentication portal. It is acceptable, though, for a user to use any of the other login options. For instance, by selecting Google, the user is taken to Google's authentication portal, as shown in this guide, where they are requested to grant permission to log in to EGI.eu (Figure 5). Then, a notification states what EGI.eu requires to collect from Google, such as the name and email address, and the user decides whether to accept it or not (Figure 6).

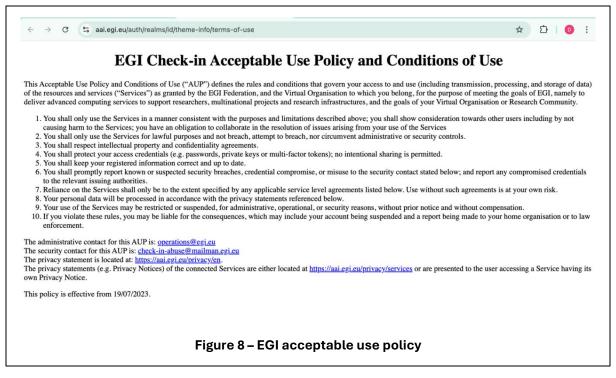




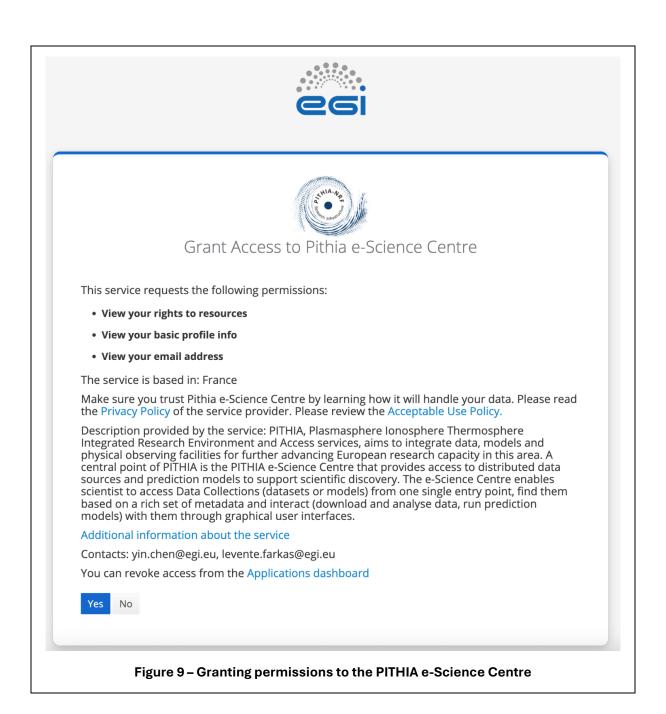


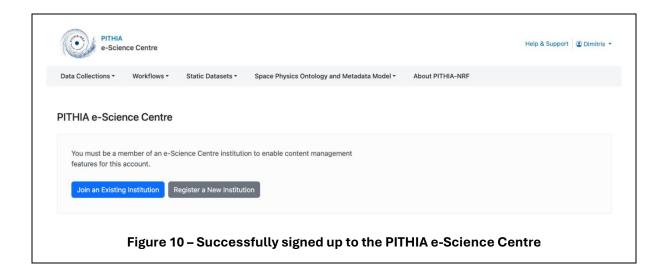
Having authenticated and granted permissions with an identity provider (idP) to EGI, the EGI requests that the users confirm their personal information, as shown in Figure 7, provide a username, and agree to the Acceptable Use Policy shown in Figure 8, to complete the EGI signup process.





The above signup process is designed to allow EGI to access users' information. As a next step, the user must join the PITHIA community. The e-Science Centre is built on top of EGI services, and Check-in is one of its components. Figure 9 presents the next step in this signup process, which is granting access to the PITHIA e-Science Centre. The users must review the Privacy Policy https://esc.pithia.eu/privacy-policy and the Acceptable Use Police https://esc.pithia.eu/terms-of-use of the e-Science Centre. Once a user clicks the Yes button, the user returns to the e-Science Centre, having signed up and already logged in. The upper right corner now displays the user's first name (Figure 10).



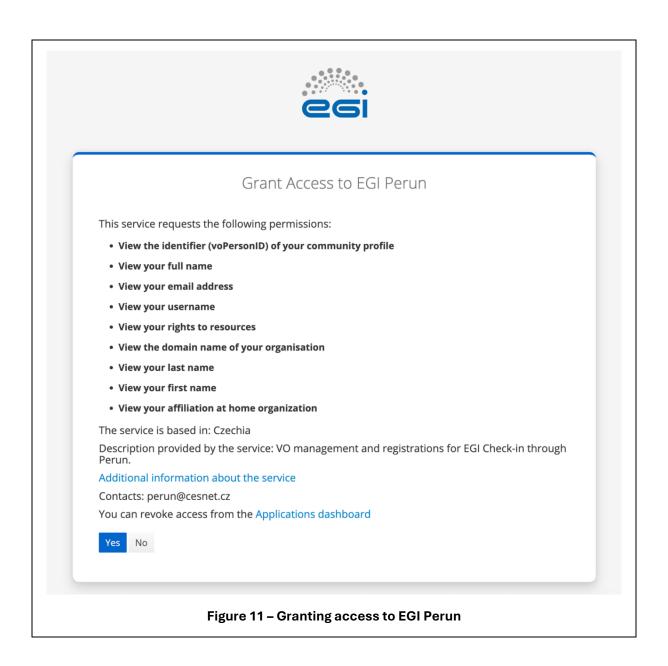


As it can be seen, a user who registers at the e-Science Centre must select an identity provider, accept both EGI and PITHIA e-Science Centre policies, and then return to the e-Science Centre as a logged-in user.

Now that the user is logged in and authenticated, they must acquire authorisation to publish Data Collections, Workflows, or Static Datasets. To do so, the user must choose "Register a New Institution" or "Join an Existing Institution". All resources in the PITHIA e-Science Centre are published under one of the e-Science Centre's available institutions, and the user performs this action on behalf of an institution that is a member.

The first time users log in to the e-Science Centre, they see a notification to join or create an institution (Figure 10). Whatever action they choose, they must first join the PITHIA community at EGI Perun² and grant access to the service (Figure 11). EGI Perun is the authorisation service for the e-Science Centre.

² EGI Perun - https://perun.egi.eu/



The subsequent section describes how a user joins an existing institution or registers a new one.

4. Join an Existing Institution

Joining an existing institution requires approval from the institution's administrators.

In case a user selects to join an existing institution (Figure 10), they must first find and choose the institution they would like to join (Figure 12) and then select to request joining the institution as an admin or member (Figure 13). Both members and admins can publish resources; admins can also accept users to join as members of the institution.

Home

Join an Institution

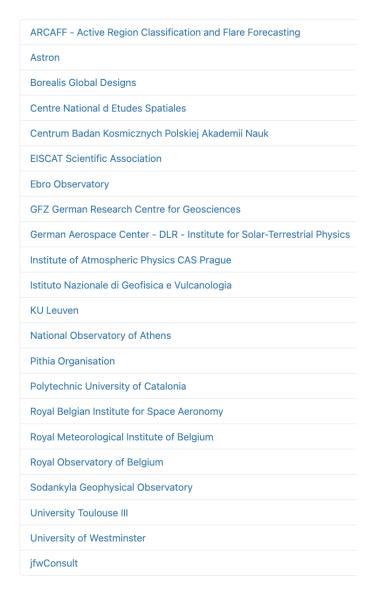
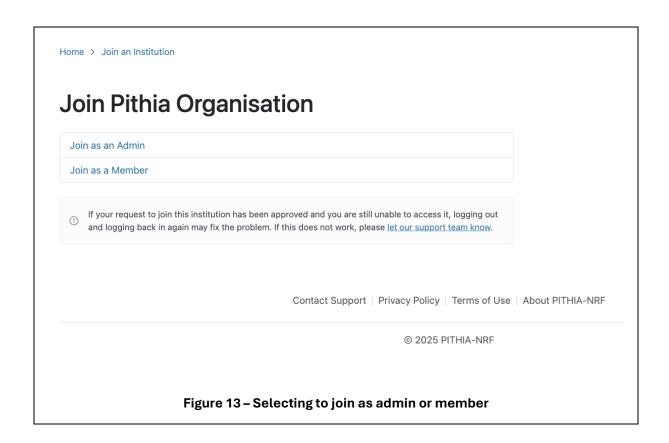
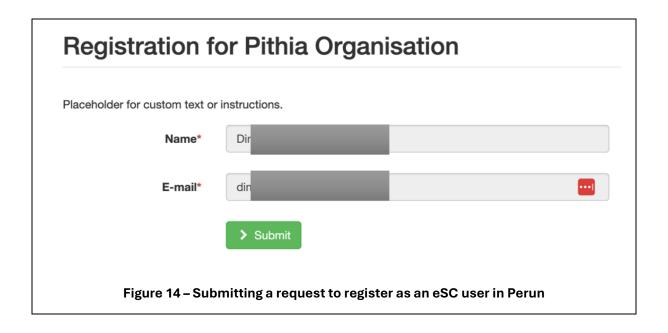


Figure 12 - Selecting an institution to join



Having selected to join as a member or admin, the user must grant access to Perun, as shown in Figure 11. Finally, the user can submit a request to join the institution at Perun (Figure 14) and once the request is submitted, Perun returns a confirmation message to the user (Figure 15).



You have successfully applied for membership

Please wait until your application has been approved. You will be notified by email.

Figure 15 - Join an institution request confirmation message

After submitting an application for membership in an institution, a user receives an email message and waits for approval.

```
Dear User,
your registration for the e-Science Centre has been approved.
--
e-Science Center
vo-manage@pithia-nrf.eu
```

Following the above email, the eSC admin receives a notification to permit the user to register at the e-SC in EGI Perun. Once this is accepted, another notification is sent to the institution's administrator to accept or reject the request. Upon acceptance, the user receives the following email.

```
Dear User,
your registration for the Pithia Organisation has been approved.
--
e-Science Center
vo-manage@pithia-nrf.eu
```

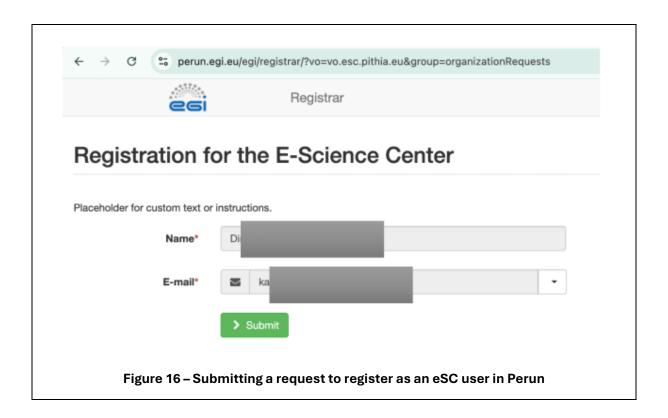
Once the above steps are complete, the user must log out of the e-Science Centre and then log in again to update their authorisation information. Now, the user can register and publish Data Collections, Workflows, and Static Datasets on behalf of the institution that was permitted to join.

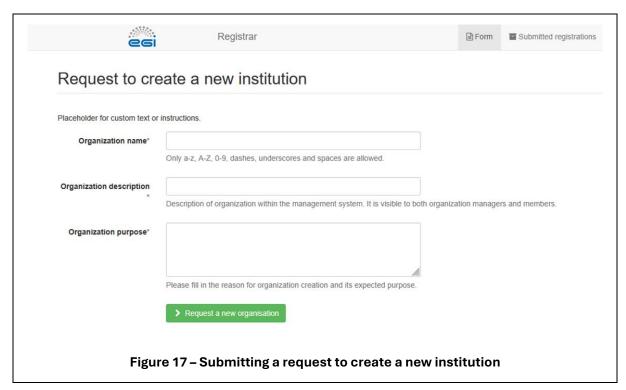
5. Register a New Institution

Registering a new institution requires approval from the PITHIA community board.

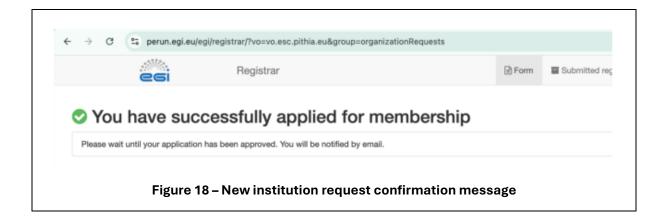
In case a user selects to register a new institution (Figure 10) and grants access to Perun (Figure 11), they must first register at the e-Science Centre in Perun (Figure 16) and then

submit a request to create a new institution (Figure 17). The institution/organisation name, description and purpose are required.





Once the request for registering a new organisation is submitted, Perun returns a confirmation message that the request was submitted successfully (Figure 18).



Having successfully requested to create an institution, the user receives an email such as the following:

Dear User.

your registration for the e-Science Centre with ID XXX has been submitted and is awaiting approval by the administrator.

If you have changed your email address during registration, you will receive a verification link in the next message.

Without address verification, your registration cannot be approved.

You will be notified of the approval or rejection of your registration in a separate message.

--

e-Science Center

vo-manage@pithia-nrf.eu

The e-Science Centre administrator accepts the request to join the e-Science Centre in Perun, and the user receives a second message:

Dear User,

your registration for the e-Science Centre has been approved.

--

e-Science Center

vo-manage@pithia-nrf.eu

Finally, if the administrator accepts the request based on the PITHIA community board's decision, the user receives a final email with the following text:

Dear User,

your request for a new organization "Pithia Organisation" has been approved by administrator and your organization

has been created.

Administrative interface for your organization can be found here:

https://perun.egi.eu/egi/gui/?

--

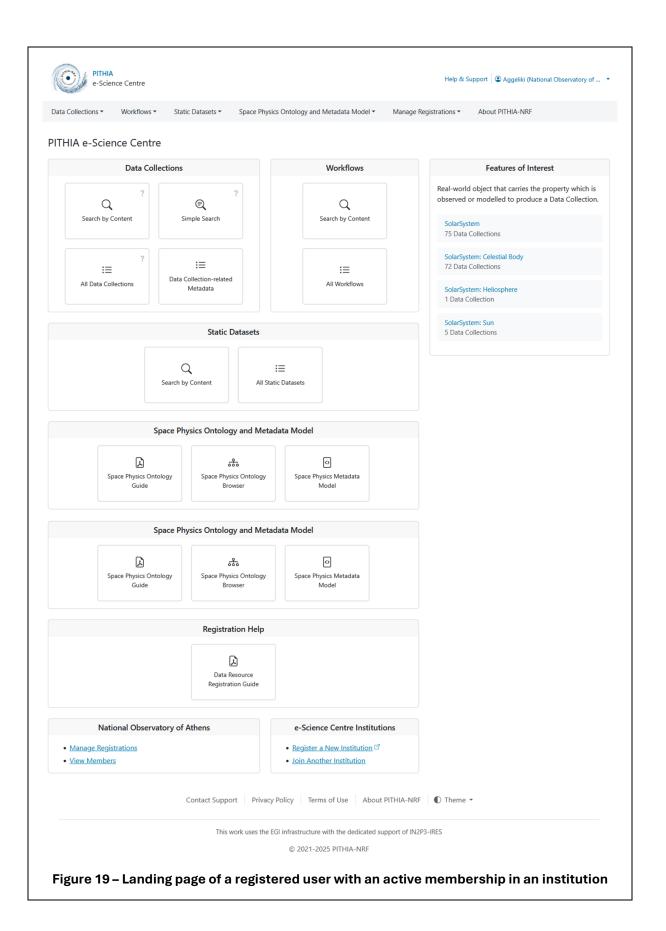
e-Science Center

vo-manage@pithia-nrf.eu

Once the above steps are complete and the user receives the final confirmation email, they must log out from the e-Science Centre and re-login to update their authorisation information. Now, the user can register and publish Data Collections, Workflows, and Static Datasets on behalf of the newly created institution.

6. Manage Registrations

After registering at the e-Science Centre and joining an institution, users are presented with a landing page similar to the one shown in Figure 19. At the bottom of Figure 19, the user can see the institution they are a member of and select to manage their registrations (Figure 20), i.e. register new Data Collections, Workflows, and Static Datasets and/or edit the existing ones.



National Observatory of Athens

- Manage Registrations
- View Members

Figure 20 - Manage registrations option for a specific institution

Guidelines on how to register new Data Collections, Workflows, and Static Datasets are given to the relevant User Guides available on the e-Science Centre.