



STFC IRIS
Science Director:
Jon Hays
Technical Director:
Andrew Sansum

IRIS Reporting
Requirements
v10/22

Acknowledgement of IRIS reporting requirements

Version: v2: 20230104

Science Partner: Gaia

Person completing this form (name/email): Nicholas Walton / naw@ast.cam.ac.uk

Introduction

The goal of this document is to ensure that all science activities are aware of the information IRIS needs on an ongoing basis to ensure sufficient provision of resources and their effective usage. It is meant to function as a 'cheat sheet' for science partners on how to quickly resolve issues.

Problem reporting

Security issues

In the event of the Science Partner becoming aware of a security issue, please contact security@iris.ac.uk for guidance. For further information, please see:

<https://www.iris.ac.uk/security/>

Resource Access issues

The table below lists potential avenues to report any problems you may have in accessing your allocated resources. This is in addition to any communication with your resource provider you may have. IRIS particularly encourages participation by all science partners and resource providers in the bi-weekly ops meetings in order to remove obstacles to use quickly. This is firmly a "no issue is too trivial" meeting. **Please do not assume that IRIS is aware of your issue unless you have used one of the reporting routes listed below.**

Technical Working Group Mailing list: Subscription Link: https://www.jiscmail.ac.uk/cgi-bin/webadmin?A0=IRIS-TWG	✓
TWG Ops meeting Schedule: https://docs.google.com/document/d/1UN0eCd46L18k_UBJemmT0607N7m3_R-ylaofD1Dfwhc (Contact in case of access problems: John Kewley (john.kewley@stfc.ac.uk))	✓
Directly to the Science and Technical director (j.hays@qmul.ac.uk , andrew.sansum@stfc.ac.uk)	✓
RSAP related queries: rsap@iris.ac.uk	✓

Table 1: Raising problems with your IRIS allocation with IRIS



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Usage reporting

IRIS requires a **good faith effort** to report on usage of IRIS resources allocated in previous cycles.

Please note that while IRIS endeavours to monitor usage of its resources this is not always technically feasible. This is especially true for GPU resources, but is expected to change over time.

If you are using cloud resources, your cloud provider should be able to provide you with usage statistics. Please discuss this with your provider.

All (large scale) storage providers should be able to provide you with a snapshot your storage use on request. This does not include fast storage attached to CPU or any temporary storage areas which are exempt from reporting. Please discuss this with your provider.

IRIS would like to survey their supported activities on their current approach to usage monitoring. In the table below, please tick all boxes that apply to your activity. Use 'N/A' if your activity does not access a certain type of resource through IRIS. Thank you.

In the table below we indicate the reporting status for the two Gaia work strands, namely core processing and data mining platform. The level of reporting maturity for each strand is expected to increase in FY23/24

	Core Proc	DMP
Activity has access to the IRIS accounting portal: https://accounting.iris.ac.uk	No	Yes
The reporting in the IRIS accounting portal is sufficient for monitoring the activity's CPU allocation	n/a	Yes
Activity has internal monitoring for CPU usage	*	<input checked="" type="checkbox"/>
Activity has internal monitoring for GPU usage	n/a	n/a
Activity has internal monitoring for storage usage	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Activity is receiving CPU usage reports from its CPU providers	No	Yes
Activity is receiving GPU usage reports from its GPU providers	n/a	n/a
Activity is receiving storage usage reports from its storage providers	No	No
Any other relevant monitoring (please specify) DMP: Prometheus/Grafana monitoring at virtual machine level	*	<input checked="" type="checkbox"/>

Table 2: Monitoring your resources

*Core processing has configured internal CPU usage monitoring (via Prometheus) within prototype systems and will be deploying this shortly within the production deployment. This information will be available for the next reporting period.

Please tick here [☒>] to indicate that you acknowledge the information contained in this document on behalf of your activity.