

AIRPORT, Allocation and Compliance Workflows plus Extensions for TREs

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Bristol Centre for Supercomputing (BriCS), University of Bristol
FRIDGE workshop, November 7, 2025

Details: <https://docs.isambard.ac.uk/>

Idea



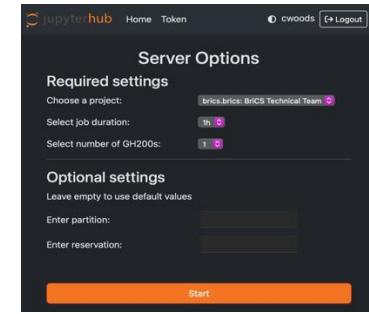
Application

A screenshot of a web-based application form. It consists of two main sections: '1. Your contact details' and '2. Your organisation'. The 'Contact details' section contains fields for First name, Surname, and Email. The 'Organisation' section contains fields for Organisation name, What is your role in the organisation, and Organisation type. Below these is a dropdown menu for 'Required' with options: 0-4, 5-9, 10-19, 20-49, 50-99, and 100-249.

Allocation



Access



Application → Assessment → Award → Access → Accounting
“Target: March'25 To go from application to access in a day”

AIRPORT – A collaborative project (empowering all stakeholders and agile)

AIRR sites—University of Bristol, University of Cambridge

DSIT and UKRI (funders and stakeholders)

Waldur—OpenNode, Estonia

MyAccessID—GÈANT

Christopher Woods, Ashish Tom, and others from BriCS

Tanya Kushwahaa—Centre for Doctoral Student 6-months project

Project Lead – Applies for time on the service

<https://portal-airr.isambard.ac.uk>

<https://www.gov.uk/government/publications/ai-research-resource>

Documents

- [AIRR advanced supercomputers for the UK](#)
HTML
- [AIRR Gateway route \(UKRI guidance\)](#)
HTML
- [AIRR Rapid Access route \(UKRI guidance\)](#)
HTML
- [AIRR Portal: how to apply \(UKRI guidance\)](#)
HTML

1. Project Lead learns how to apply for time on different services...

2. ...chooses a call...

3. ...makes an application

G **Gateway** Active
UKRI

Open round started: Jul 17, 2025 at 7:00 PM
Open round ends: Dec 31, 2025 at 7:00 PM

[Apply to round](#) [My Proposals](#)

Description Documents

Gateway

Designed for researchers from academia, industry, or other UK organisations, this route supports:

- First-time users of AI supercomputing resources
- Testing of (novel) algorithms, code, and workflows
- Benchmarking of algorithms, code, and workflows before applying for larger AIRR opportunities.

Eligible activities include:

- Fundamental research (Research organisations only)
- Feasibility studies
- Industrial research
- Experimental development

Resources available:

Up to 10,000 GPU hours on AIRR services, to be used within 3 months of project start.

Accessibility and Inclusion

We welcome and encourage applications from people of all backgrounds and are committed to making our application process accessible to everyone.

You must read the attached guidance fully before you start your application.

You can contact us at any time at airr@ukri.org to ask for guidance.

Reaction-Diffusion Constrained Deep Learning of Invasion Biology In review

Slug: ukri-1-gateway-1-20250717-215

Timeline: Submission → Review → Decision

Details overview

Call name:	Gateway	Round deadline:	December 31, 2025 (in 1 month)
Round reference:	Round 17.07.2025-31.12.2025	Created by:	

Project details

Name: Reaction-Diffusion Constrained Deep Learning of Invasion Biology

Summary: Invasive pests and diseases threaten the UK's trees, plants and crops. They harm ecosystems, reduce biodi

Description: See the attached documents.

Progress

- Details overview
- Project details
- Resource requests
- Project team

Application

Assessment

Award

Access

Accounting

Call Manager – Assigns Reviewers

UKRI
@ airr@ukri.org

Dashboard Calls Proposals Reviews Team

Create review

Reviewer *

Select...

Create

4. Call Manager assigns proposals for review...

Reviewers – Conduct Reviews

Summary

Rate

★★★★★ 4 stars

Comments

- o Proposal alignment with call scope evidenced
- o Added value of AIRR access evidenced
- o No compliance concerns

Notes (not visible to user)

Add your notes here

5. Reviewers complete their reviews...

Application

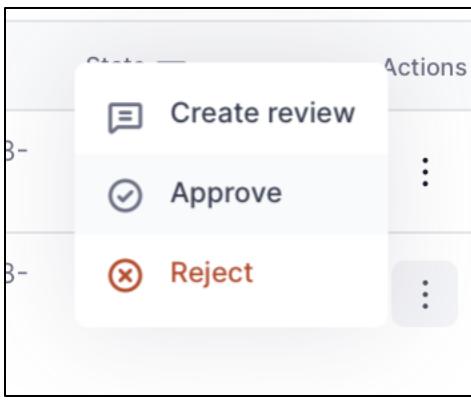
Assessment

Award

Access

Accounting

Call Manager – Awards Projects



6. Call manager awards projects, assigning resources, sets project durations etc.

A screenshot of a project management application. At the top, it shows a project summary: 'AIRR-GW - 2025-07-17 - Self-supervised pre-training of vision-language models for task-specific applications (Round 2)' funded by 'UKRI'. Below this is a timeline: 'Start date: Nov 3, 2025 End date: Feb 10, 2026'. The main area is titled 'Resources' and includes a search bar, filters (Category, Offering, Created at, State), and an 'Add' button. A table lists resources: 'Isambard-AI' (Category: Bristol Centre for Supercomputing, Offering: Isambard-AI, Created at: Nov 3, 2025 at 5:10 PM). An 'Edit' button is shown next to the resource row. A modal window titled 'Options' shows an 'Allocation' section with 'Allocation in resource units' set to '10000' and an 'Edit' button.

7. Project details automatically transferred to Supercomputing Centre for provisioning

Application

Assessment

Award

Access

Accounting

Project Lead – Can manage project on portal

<https://portal.isambard.ac.uk>

The screenshot shows the Project Lead's dashboard for a project titled "AIRR-GW - 2025-07-17 - Self-supervised pre-training of vision-language models for task-specific applications (Round 2)". It includes sections for Accounting (with a balance of NHR 2,427.36), Team (2 members), and Invite by email (with an option to bulk import contacts). A user "fred.bloggs@uni.ac.uk" is listed as a Researcher.

AIRR-GW - 2025-07-17 - Self-supervised pre-training of vision-language models for task-specific applications (Round 2)

UKRI (Isambard-AI)
Start date: Nov 3, 2025 End date: Feb 10, 2026

Project dashboard Resources Team Audit logs

Accounting

- Balance at start of month: NHR 2,500.00
- Estimated spend this month: NHR 72.64
- Estimated balance at the end of this month: NHR 2,427.36

Team

2 members

CC CZ +

Invite by email

We'll email them instructions and a link to accept the invitation.

Bulk import contacts

Import your mailing list from a .csv file. You can download an example_file.csv

Import

Email Role

fred.bloggs@uni.ac.uk Researcher - AIRR-GW - 2025-07-17 - Self-supervised pre-training of vision-language models

+ Add another user

7. Project created for the Project Lead on the host site's project management portal

9. Project Lead can invite team members to join the project

2:00p.m. :> ssh brics.aip2.isambard

[Phase 2]

User Documentation: <https://docs.isambard.ac.uk>
BriCS Helpdesk: <https://support.isambard.ac.uk>
Service Status: <https://status.isambard.ac.uk>

Last login: Thu Sep 25 11:20:07 2025 from 10.129.104.25
cwoods.brics@login41:~>

10. Project team can log in and access the service, run jobs etc.

Application

Assessment

Award

Access

Accounting

Call Manager – Track Project Progress

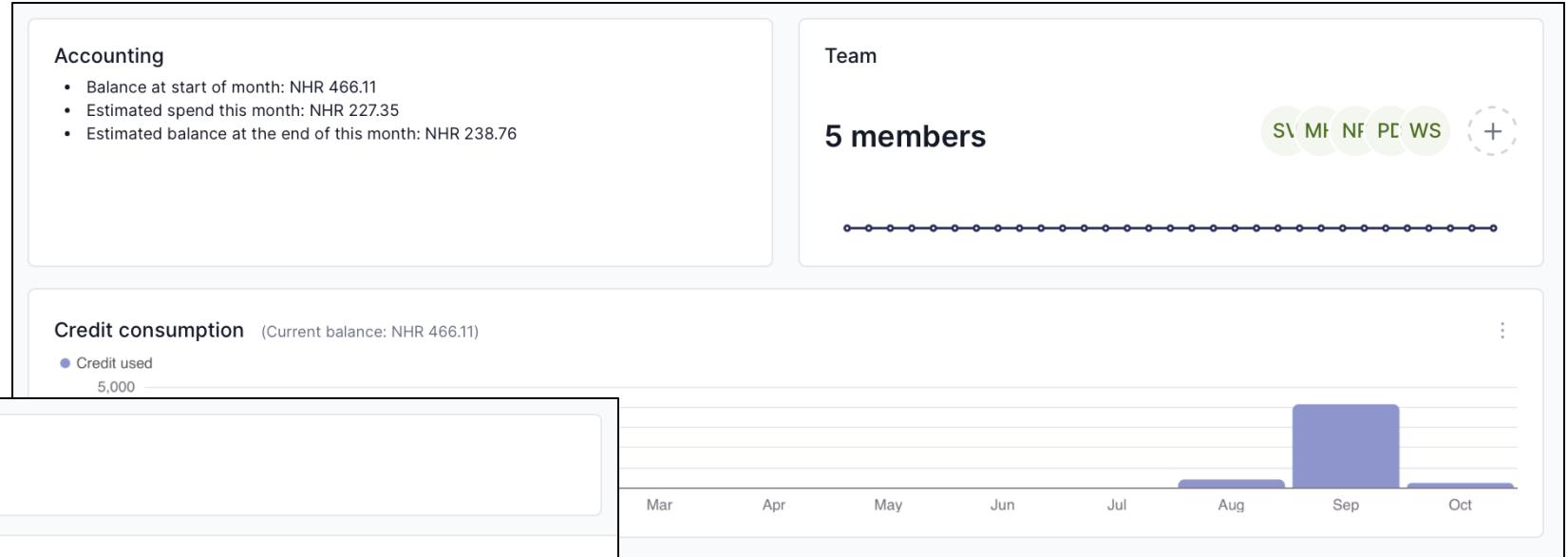
11. Accounting data collected automatically as jobs are running...

UKRI
@ air@ukri.org

Organization dashboard Projects Resources Orders Team My offerings Accounting Audit logs

Projects Search... Bulk import

Name	Description	Created	End date	Estimated cost	Type	Actions
AIRR-GW - 2025-07-17 - FLVLA: Feder...	This project will test ...	Oct 2, 2025 at 2:58 PM	Jan 16, 2026	GPUHr 66.68	Regular	
AIRR-GW - 2025-07-17 - Foundation M...	This project continu...	Sep 30, 2025 at 9:48 PM	Jan 14, 2026	GPUHr 289.24	Regular	
AIRR-GW - 2025-07-17 - Multi-agent d...	This research propo...	Sep 30, 2025 at 9:46 PM	Jan 14, 2026	GPUHr 1,320.64	Regular	
AIRR-GW - 2025-07-17 - Meta-Learnin...	Vision-Language-Ac...	Sep 30, 2025 at 9:43 PM	Jan 14, 2026	GPUHr 1,817.12	Regular	
AIRR-RA - 2025-07-17 - Financial LLMs...	This is part of Aveni'...	Sep 30, 2025 at 7:52 PM	Jan 14, 2026	GPUHr 542.72	Regular	



12. This is transferred back to the allocation site for review by the Call Manager. They can track progress, choosing to award more time, or contact Project Leads / remove unused time as needed

Application

Assessment

Award

Access

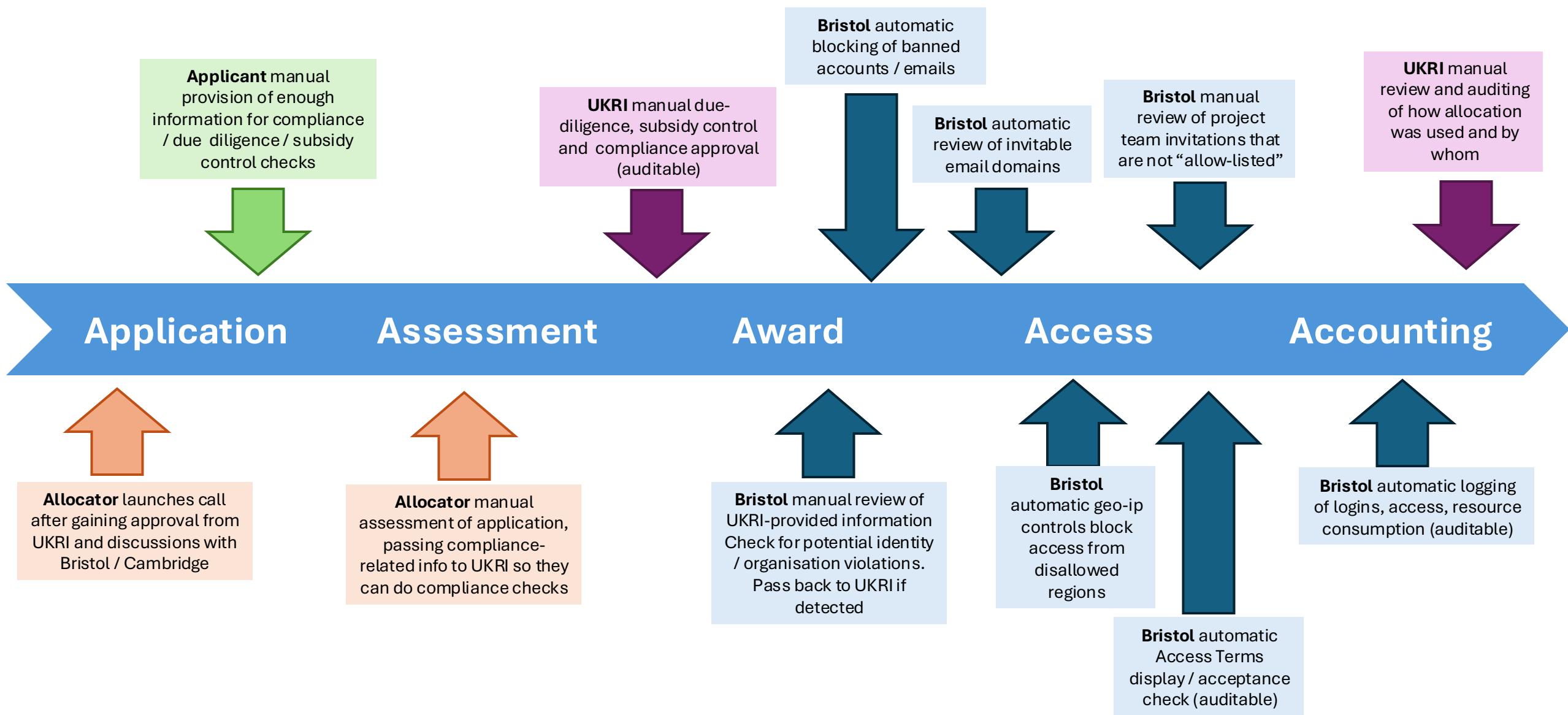
Accounting

Status (AIRRPORT-launched July 17, 2025)

- Manages allocations to the Dawn and Isambard-AI AI Research Resources by **UKRI**, **SovAI** and **AISI**
- 380 applications processed to date!
- 96 accepted, 66 rejected, 17 currently in review
- Time from application to access is ~1 week
- Key limitations are the time to complete compliance assessment and handle reviews
- Approx 3M GPU hours have been allocated and consumed since September

Compliance impacts multiple stages of this workflow ...

Co-developed with DSIT and Bristol compliance and legal teams



... automatic and manual reviews and controls mitigate risk

Idea

Data

Application

Compliance

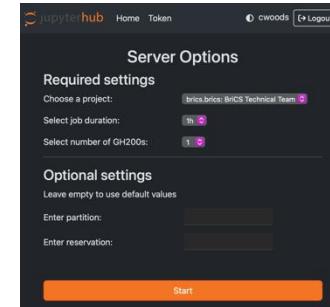
Allocation

Access

Auditing



A screenshot of a web-based application form. The first section, '1. Your contact details', contains fields for 'First name' (Required), 'Surname' (Required), and 'Email' (Required). The second section, '2. Your organisation', contains fields for 'Organisation name' (Required), 'What is your role in the organisation' (Required), and 'Organisation type' (Required). Below these are dropdown menus for '0-4', '5-9', and '10-19'. The entire form is set against a light grey background with a thin border.



Connecting Ideas and Data for Agile Compliant Research
“Target: Nov'25 To go from application to access in < 1 week”

**AIRRPORT + TRE – A collaborative project proposal
(empowering all stakeholders and agile)**

AIRR sites-University of Bristol, University of Cambridge

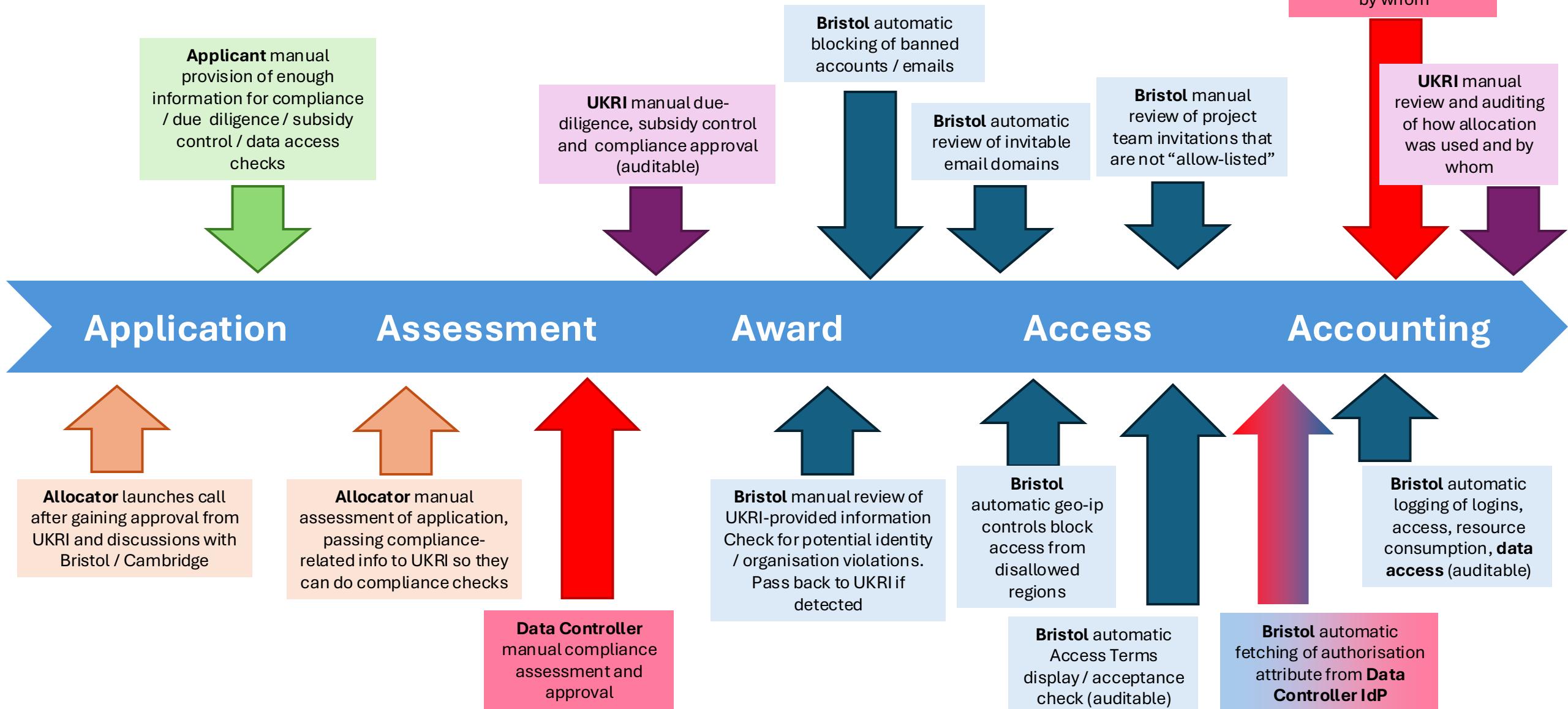
DSIT and UKRI (funders and stakeholders)

FRIDGE team (University of Bristol, University of Cambridge, UCL, Turing)

UKBB (incorporate processes in place e.g. CTRE)

Other stakeholders

Compliance requirements for TREs to be added into this flow (proposal)



E.g. Data Controller's IdP provides authorisation info via an identity attribute

New call: <https://www.ukri.org/opportunity/isambard-ai-and-dawn-airr-supercomputers-innovator-route/>
Launched Nov 6, 2025

Isambard-AI and Dawn AIRR supercomputers: Innovator route

Opportunity status: Open

Funders:

[Arts and Humanities Research Council \(AHRC\)](#),
[Biotechnology and Biological Sciences Research Council \(BBSRC\)](#), [Economic and Social Research Council \(ESRC\)](#), [Engineering and Physical Sciences Research Council \(EPSRC\)](#), [Innovate UK](#), [Medical Research Council \(MRC\)](#), [Natural Environment Research Council \(NERC\)](#), [Science and Technology Facilities Council \(STFC\)](#)

Funding type: Other

Publication date: 6 November 2025

Opening date: 6 November 2025 9:00am UK time

Closing date: 16 January 2026 4:00pm UK time

Timeline

6 November 2025 9:00am

Opening date

16 January 2026 4:00pm

Closing date

16 February 2026

Earliest project start date

13 March 2026

Latest project start date

Empowered agility in action – New access calls and mechanisms introduced swiftly

Input for the shared responsibility discussion

- Bristol is exposed to unlimited liability if, e.g.
 - Isambard-AI is used to hack into, e.g. a large UK car manufacturer
 - Isambard-AI is used to host and distribute CSAM or terrorist materials
 - Isambard-AI is used to run an AI model that gives “wrong” advice that leads to harm to a member of the public
 - Isambard-AI is used in a way that violates export control rules / laws, or subsidy controls
 - Protected data stored on Isambard-AI is stolen, leaked or illegally released
- Bristol must have solid – contracted – mechanisms to transfer liability, gain indemnities, and minimise liabilities for users’ actions
- Risks are assessed by the legal team, controls have to be understood and defendable by the legal team, and our compliance ultimately feeds into our insurance coverage understandable by our insurer that would be used to cover any incidents or claims
 - Insurers, lawyers and judges will debate and decide if the controls are sufficient – not technical people!
- Bristol needs indemnity, ability to transfer liability, and ability to limit liability
 - Without a contract with the third party, the cloud customer cannot claim “shared responsibility” to pass liability onto that third party