



**National Federated
Compute Services**
NetworkPlus

Autumn Meeting Introduction

September 2025

**Prof. Jonathan Hays,
Queen Mary University of London**





Project team

Project Leads

Prof. Jonathan Hays, QMUL

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Co-leads

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Project Team Members

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Gemma Hopton, QMUL (Admin & Events Officer)





Federated Research Network

A **Federated Research Network (FRN)** is a decentralized system that enables multiple institutions, organizations, or researchers to collaborate while maintaining control over their own data and resources. Instead of centralizing data in one location, an FRN allows participants to share insights, models, or results without exposing raw data.

(ChatGPT)

Federation, *noun*

1. *A country consisting of a group of individual states that have control over their own affairs but are controlled by a central government for national decisions, etc.*
2. *A group of clubs, trade unions, etc. that have joined together to form an organization*
3. *The act of forming a federation*
(Oxford English Dictionary)

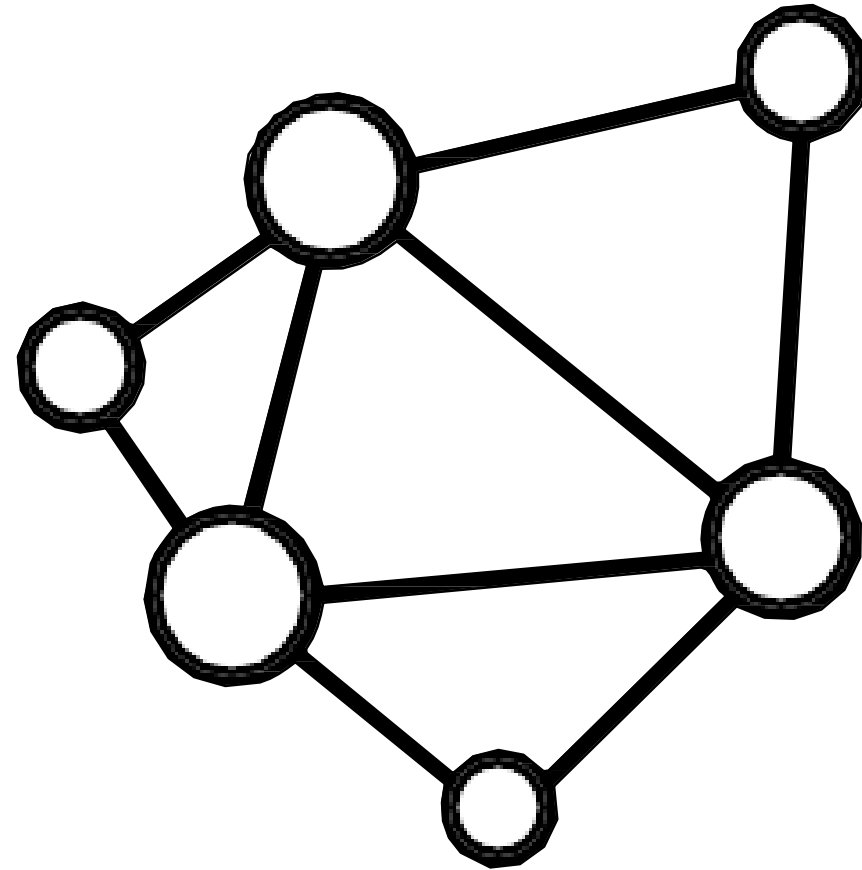


Project Objectives

Produce a roadmap for federated provision of computational resources for all UKRIs communities

Scope the data storage needs for the federated service

Act as a DRI Network Plus by linking up with networking activities in other DRI workstreams



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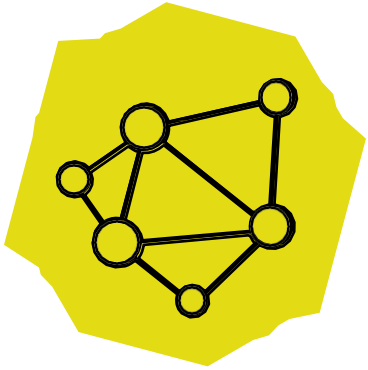
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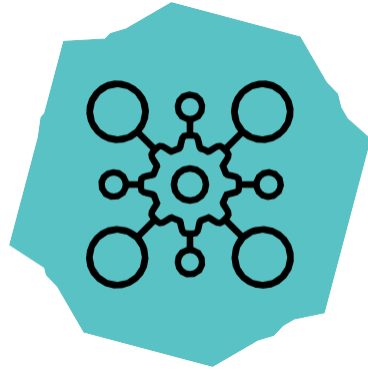




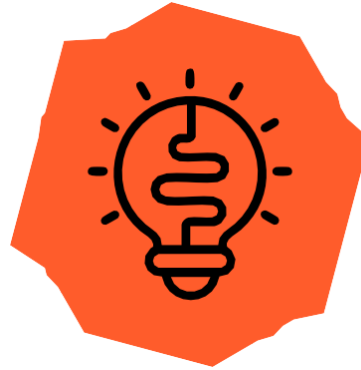
Key principles



Decentralisation



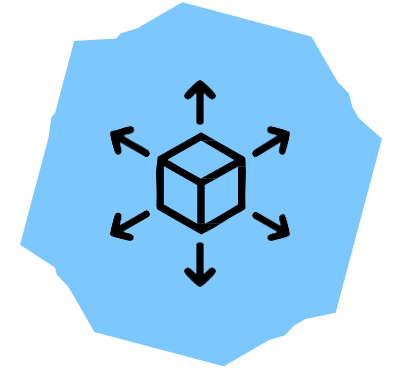
Interoperability



Autonomy



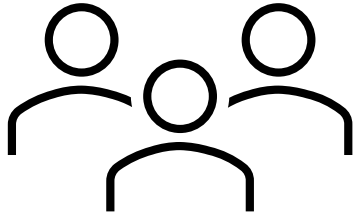
Security and Privacy



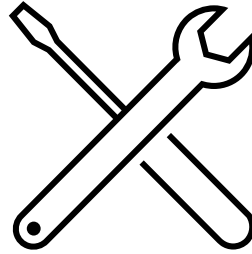
Scalability



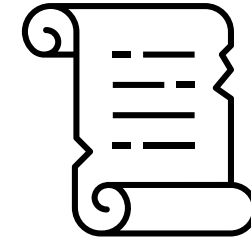
Three Pillars



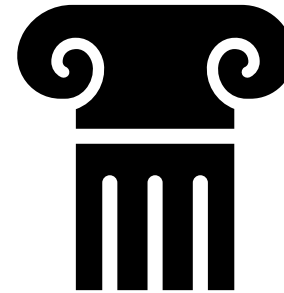
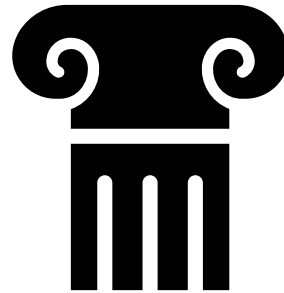
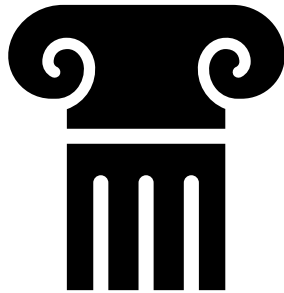
Community



Technology



Policy





Community



Building communities

Engaging with Stakeholders

Identifying existing and emerging user stories

Establishing common nomenclature and standards



Technology



Gather the state-of-the-art and existing practice
Knowledge exchange
Evaluating potential technological components
Identifying core federation services



Policy



Identify existing and emerging governance and policy approaches

Identify policy requirements based on business cases and user stories

Develop outline policy framework

Community Engagement:
National Events
Workshops
Flexible Funding

Community Consultation

Roadmap
Development

Evidence for Roadmap
Community Building

Roadmap



Flexible Funding

13 projects funded

Call for second round of funding now open

Deadline: 5th October

Projects to complete by July 2026 with
value of up to £120k

Prioritising areas not well covered by
existing projects



Flexible Funding

Second flexible funding call

Proposals must:

- Demonstrate clear alignments with the pillars

- Demonstrate clear and achievable objectives aligned with the goals of the Network Plus

- Clearly justify all costs and how they support delivery

- Demonstrate an appropriate level of cross-disciplinary engagement for the activity being proposed

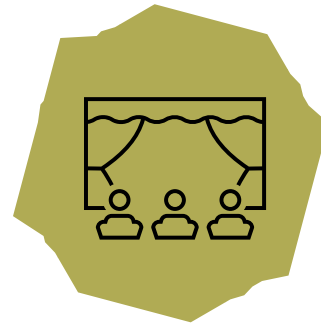




Goals of this meeting



Build community
and connections



Showcase newly
funded projects



Build awareness of
the NetworkPlus