CCP-AHC
A new collaborative computational community for arts, humanities, and culture research

Eamonn Bell

Department of Computer Science

Durham University

Chair/Project Lead, CCP-AHC

RSLondon 2025

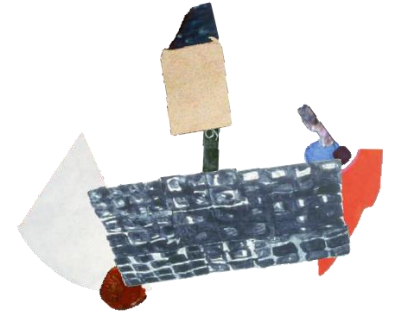7 July 2025

One Birdcage Walk, London

Durham University

University of Brighton

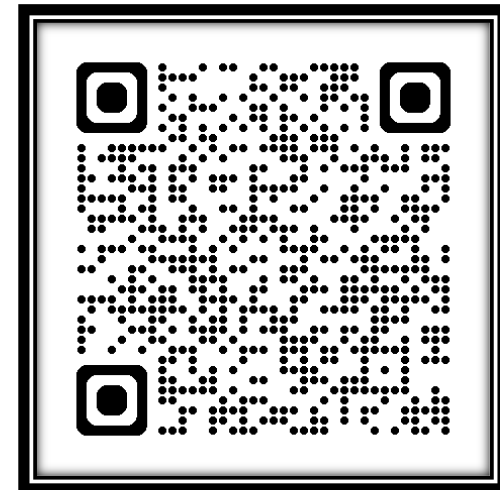UKRI Science and Technology Facilities Council

Problem

- Arts, humanities, and culture (AHC) researchers and innovators have **historically limited engagement** with large-scale compute infrastructures

- Interest in AI and digital transformation within all fields is creating **a growing demand for new services** within academic/IRO compute centres which is currently not met

- There is **no access point for publicly-funded large-scale compute** infrastructures for UK-based AHC researchers/innovators

- Infrastructures and dRTPs working **outside of AHC,** who are **willing and interested in empowering this research**, lack the structures to engage at an institutional level (and vice versa)

Solution

www.ccpahc.ac.uk

- CCP-AHC: A new UK-wide research software network centred on **codes**, **pipelines**, and **workflows** that support **arts, humanities, and culture research and innovation** (AHRC+)

- Build awareness of Collaborative Computational Project (CCP) model beyond classical STFC CoSeC remit

- Curate **a portfolio of software** being used on or with the potential to be used on UK HPC/advanced computing

- Funded by STFC for 2 years (scoping) until end of 2026, and potentially for 5 years in the first instance
  - Part of a community of six new CCPs

CCP-AHC
Delivery Team

Dr Eamonn Bell

Project Lead
Durham University
eamonn.bell@durham.ac.uk

Prof Jeyan Thiyagalingam

Project co-Lead
STFC

Prof Karina Rodriguez Echavarria

Project co-Lead
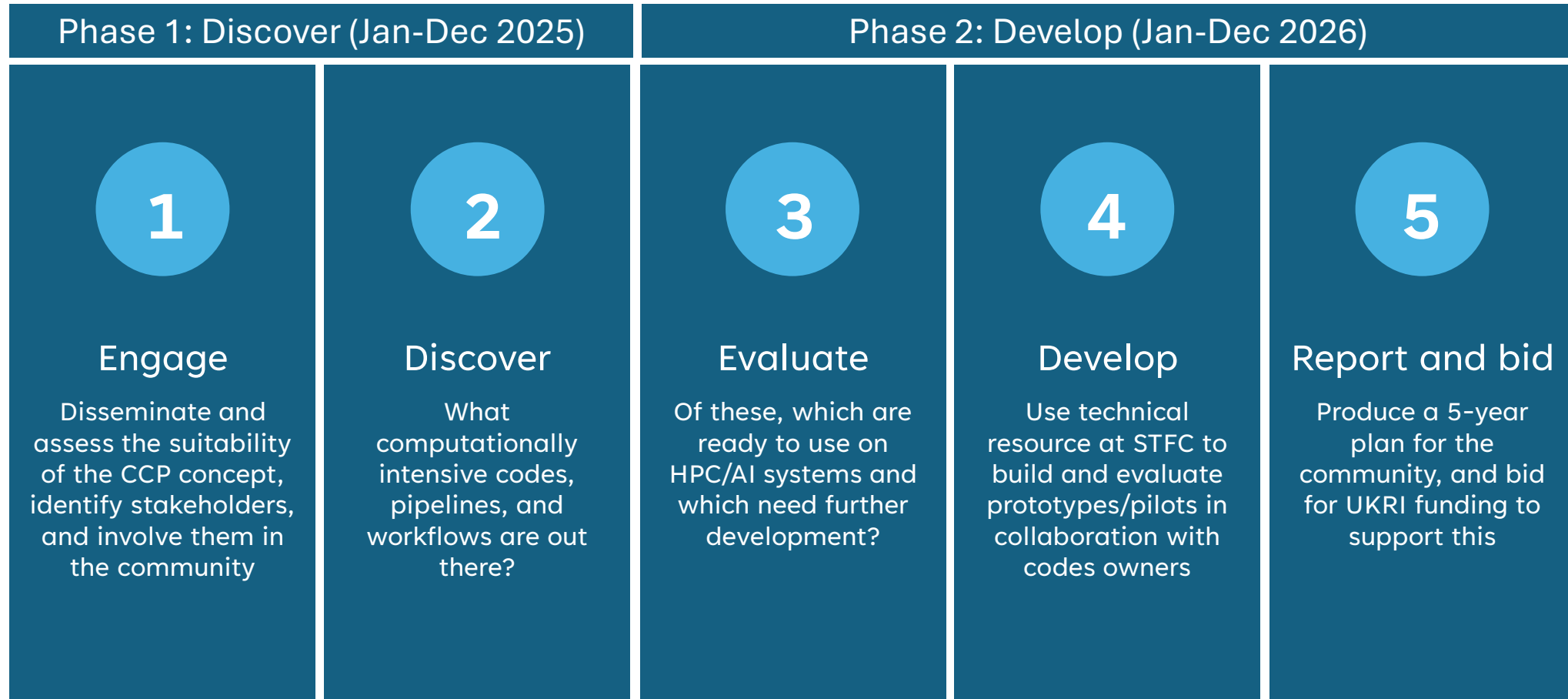University of Brighton

Clare Collyer

Project Manager
Durham University

Advisory Group

- Dr Alastair Basden (Durham University)
- Dr Ryan Heuser (University of Cambridge)
- Prof Leif Isaksen (University of Exeter)

- Dr Lisa Otty (University of Edinburgh)
- Dr Zoetanya Sujon (University of the Arts London)
- Prof Melissa Terras (University of Edinburgh)

Overview of main activities

Phase 1: Discover (Jan-Dec 2025)		Phase 2: Develop (Jan-Dec 2026)		
1 **Engage** Disseminate and assess the suitability of the CCP concept, identify stakeholders, and involve them in the community	**2** **Discover** What computationally intensive codes, pipelines, and workflows are out there?	**3** **Evaluate** Of these, which are ready to use on HPC/AI systems and which need further development?	**4** **Develop** Use technical resource at STFC to build and evaluate prototypes/pilots in collaboration with codes owners	**5** **Report and bid** Produce a 5-year plan for the community, and bid for UKRI funding to support this

Role of dRTPs in CCP-AHC

- Key **target audience, stakeholder group,** and **collaborator** for CCP-AHC activities
- RSE at Durham (0.6 FTE for 18 months) builds local capacity to service HPC for the humanities; staff time at STFC (1.0 FTE for 12 months) builds national experience in a new science area
- ADHO DHTech SIG (Damerow, Arizona State) for community code review: codes owners should benefit from the mapping exercise, even if not selected
- Key research policy development: **Towards a National Research Software Engineering Capability in Arts and Humanities Research: a Roadmap** (Beavan et al. 2025)
- dRTPs with **no prior experience of AHC** area are welcome - learning something new!

Engage!

1. Join Jisc-Mail lists (CCP-AHC-ANNOUNCE, CCP-AHC-DISCUSS) and follow GitHub org (https://github.com/ccpahc)
2. **Circulate "call for codes" EoI**
3. Produce a PR for your site's docs page
4. Look out for themed regional engagement events before end 2025