**N8 CIR**

COMPUTATIONALLY INTENSIVE RESEARCH

**Community Day 2022**

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# N8 CIR Aims

- Build communities of practice

- Develop CIR skills

- Facilitate provision & access to computational resources

- Leverage funding for computationally intensive research

- Help "non-traditional" users access computational resources

- Accelerate research!

# Community Building

- Research Software Engineers

- Research Infrastructure Engineers

- Research Data Stewards


- Recent "DRI Retreat"

- RDM network

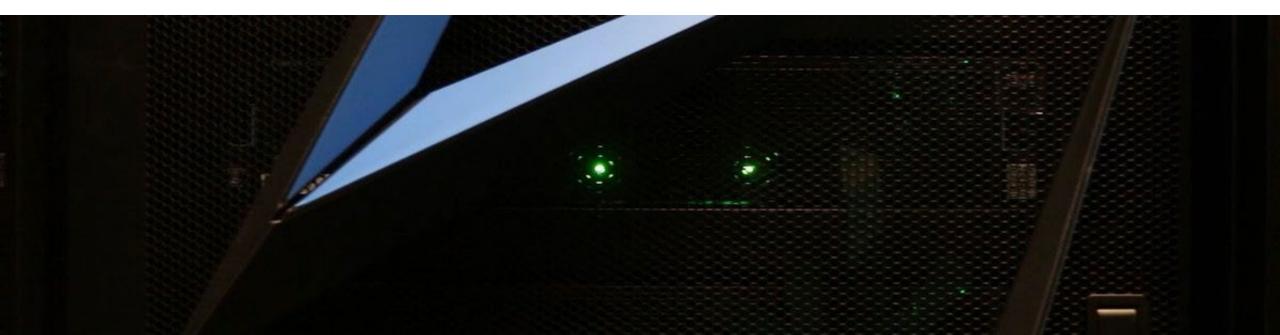- RSE network

- Project Working Group

- etc

# Facilities

- Bede – Tier 2 supercomputer delivered in early 2020
  - Ideal for Machine Learning
  - All N8 researchers can apply for access to Bede
  - Research Software Engineer support available at each N8 institution to help you get started

# Academic Themes

- Since 2019:
  - Digital Health
  - Digital Humanities
- Since 2022:
  - Machine Learning …

# Keep In Touch

- Website – https://n8cir.org.uk/

- Bede - https://n8cir.org.uk/bede/

- Twitter - @N8CIR

- Join our mailing list at https://n8cir.org.uk/contact/

# Practitioner-led approach

- Important not to re-invent the wheel – leverage what is already out there.

- Provide signposting & mechanism to share resources.

- Inspire researchers to embrace new methods through practitioner-led activity
  - Provide forums for researchers to highlight their computational methods.
    - Online researcher showcase videos
    - Workshops and facilitated discussion
  - Capture domain-specific examples to enhance existing material.

- Coordinate initiatives to train the trainer

- Help bring training available outside of the region, into the region

# Who are we?

- N8 Research Partnership is the 8 most research intensive universities in the North of England – Durham, Lancaster, Leeds, Liverpool, Manchester, Newcastle, Sheffield and York

- N8 Centre of Excellence for Computationally Intensive Research (N8 CIR)

  – Derived from N8 HPC which offered access to a shared compute platform for all 8 universities for 6 years.

  – Established to build on this partnership to expand the *art of the possible* within research themes by leveraging computational- and data-intensive practice.