

# Bede Introductory Event

## Thursday 28 January 2021

The event will be led by Marion Weinzierl, N8 CIR's research software engineering theme leader.

### Introduction and Overview

- Overview of Bede
- How do I access the machine, and who can help?

### Case Studies

- Michele Vendruscolo (Cambridge, HECBioSim) - Covid simulations
- Thomas Hudson (Durham) - Natural Language Processing for long documents
- Paul Richmond (Sheffield) - FLAME GPU (Agent-based simulation of complex systems)
- Marta Camps Santasmasas (Manchester) - Turbulent fluid flows with GASCANS
- Ben Rogers (Manchester) - Smoothed Particle Hydrodynamics
- Holger Schulz (Durham) - PDE-solving with 3 Levels of Parallelism

**Q&A, possibly continuing after 11.30am**