



# ESTIA Early Science Workshop

GRACE CAUSER

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# The ESTIA Early Science Team



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# Acknowledgements

## Past and Present Team



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# Aims of the Workshop

## Our Goals for Today



1. Overview of the instrument capabilities, expected performance factoring in facility power ramp-up, key dates, sample environments, and data analysis support.
2. Brainstorm benchmarking and early science experiments within Estia's target themes:
  - *Magnetism*
  - *Biology*
  - *Functional materials*
3. Aim to identify science cases and experiments that can make best use of the facility flux, instrument capability and sample environments available during the early science period.

# Agenda



- 1 ESS: Introduction and Facility Ramp-Up Timeline
- 2 The Inception of ESTIA and the Selene Guide Concept
- 3 The focusing reflectometer ESTIA at the ESS
- 4 Chemical and Biological Deuteration for ESTIA Users
- 5 ESTIA Early Science Capabilities and Sample Environment
- 6 Introduction to the DMSC: Data Management and Scientific Computing

## **Coffee Break**

- 7 Breakout Sessions: Magnetism, Biology, Functional Materials
- 8 Group Discussion: Insights from the Breakout Sessions

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# ESS: Introduction & Facility Timeline

*Andrew Jackson  
Head of LSS, ESS*

