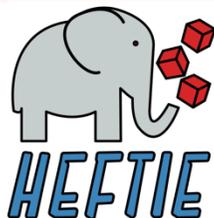




# OSCAR

Open Science Clusters' Action  
for Research & Society

## Funded Project



### Handling Enormous File from Tomography Imaging Experiments

Presenter: David Stansby, University College London,  0000-0002-1365-1908

Implemented by



WEBKNOSSOS



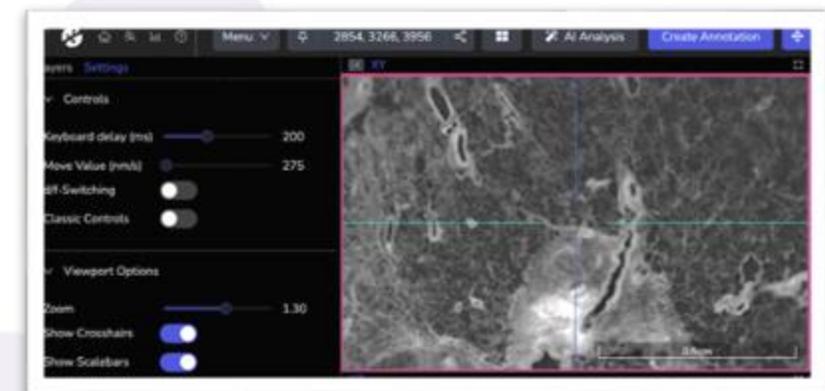
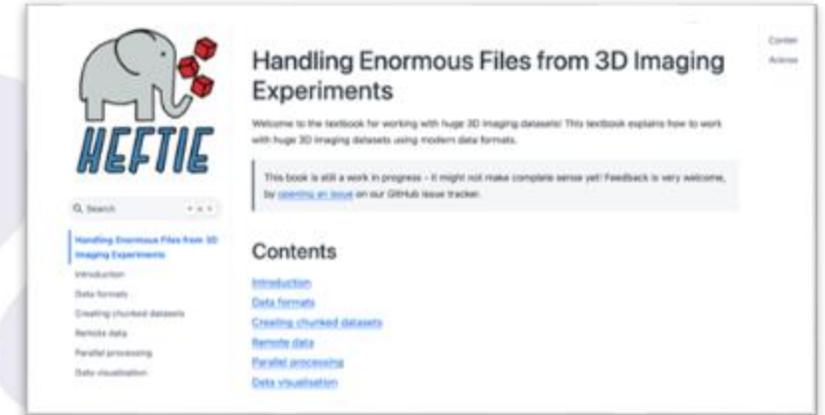
Funded by  
the European Union

### What problem(s) are you going to solve?

- Modern imaging datasets are huge (> 1 TB / image)
  - This has motivated next generation chunked file formats (OME-Zarr)
  - These are transformative for accessing and using huge datasets...
  - ... but they are new and still developing
  - We will develop **training** and **tools** to make **OME-Zarr** an **accessible** format for **all** scientists to use
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## What are you planning to do to solve the problem?

- WP1: A digital textbook
- WP2: Benchmarking and analysis tools
- WP3: Improving visualisation platform for 3D images



## What will be the results and how do you plan to make them available to the broader community?

- Digital textbook - <https://heftie-textbook.readthedocs.io>
  - Benchmarking report made available online
  - New open source software tools - <https://github.com/HEFTIEProject>
  - New features on open source imaging platform - <https://webknossos.org/>
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## What risks could limit the success of the project, and how can they be mitigated

- Once finished, textbook and tools are not used by community
  - **Actively engage with community early and often to get buy in, feedback, and engagement**
  - Textbook/tools are not integrated
  - **Make sure work package teams all speak to each other regularly, providing feedback and cross-communication**
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