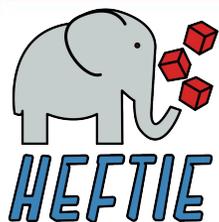




OSCARS

Open Science Clusters' Action
for Research & Society

Funded Project



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Implemented by



WEBKNOSSOS



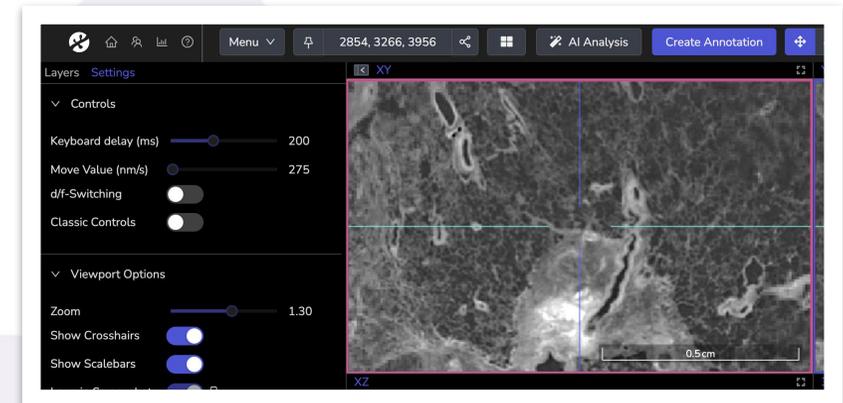
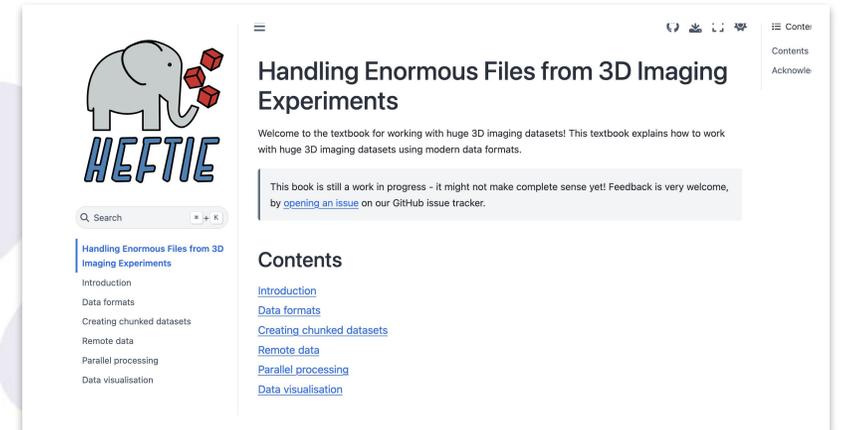
Funded by
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What problem(s) did you plan to solve?

- 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 wanted to develop **training** and **tools** to make **OME-Zarr** an **accessible** format for **all** scientists to use
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What have you done to solve the problem?

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



What are the key results achieved to date and how have you made 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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How will make your results sustainable over time - How will the scientific community/-ies further exploit them?

- All development done in the open on open source projects
 - We did a mix of:
 - Contributing to existing well used software packages that already have a wide community support base
 - Making new resources.
 - For new resources, we made sure that it is easy for the community to contribute to these in the future
 - All resources openly licensed, allowing re-use and re-mixing in the future
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Who has been doing it?

- David Stansby (University College London)
 - Kimberly Meechan (University College London)
 - Ruairidh Gollifer (University College London)
 - Norman Rzepka (scalable minds GmbH)
 - Phillipp Otto (scalable minds GmbH)
 - Michael Büßemeyer (scalable minds GmbH)
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