OSCARS
Open Science Clusters' Action for Research & Society

HEFTIE: Handling Enormous Files from Tomography Imaging Experiments

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- *PaNOSC OSCARS Partners have identified the following overlap between the PaNOSC OSCARS projects and the PaNOSC outcomes:*

	AI-SCOPE	AMBCAT	CDIF-4-XAS	CODEMET ASOFT	Findable	HEFTIE	HiMAGNET OS	MatScat Net	Mc-REDD	mTess-X	OSPARK	PaN-Finder	SHARE	VISA
AAI	Y	Y			Y	Y	Y	Y		Y			Y	Y
Data Catalogues	Y	Y					Y	Y				Y	Y	
Data Portals	Y	Y						Y					Y	
Metadata	Y	Y	Y	Y	Y	Y	Y	Y	Y			Y	Y	
Notebooks	Y					Y	Y	Y					Y	Y
PaN Search	Y	Y			Y		Y	Y	Y			Y	Y	
Software	Y			Y		Y	Y		Y	Y			Y	Y
Training	Y	Y		Y		Y	Y	Y	Y	Y	Y		Y	Y
VISA VRE	Y					Y		Y					Y	Y

Desired support from the PaNOSC cluster for your project.

- *HEFTIE will contribute to:*
  - *Notebooks*
  - *Software*
  - *Training*
- *And will work with:*
  - *VISA*

Desired support from the PaNOSC cluster for your project.

- *Notebooks & Training*
  - *https://heftie-textbook.readthedocs.io*
- *Software*
  - *https://github.com/HEFTIEProject/zarr-benchmarks*
  - *https://github.com/ome-zarr-models/ome-zarr-models-py*

Desired support from the PaNOSC cluster for your project.

- *Please discuss the PaNOSC outcomes do you need help in:*

  1. *Review of software using Research Software Toolkit*
  2. *How to include new training resources in PaN training catalogue*

- *Describe how your project's developments contribute to the needs and challenges of the photon and neutron community.*
  - *Makes it easy to work with huge imaging datasets*
  - *Enables re-use of data beyond original teams*

- *How will you encourage users to adopt your solutions?*
  - *Inviting community to co-develop software*
  - *Making sure training materials & software are connected*
  - *Make sure software is well tested on VISA*
  - *Integrating our software in PaNOSC specific tools*


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Thank you