

ADVANCED 3D IMAGING USING SYNCHROTRON μ CT

3D SYNCHROTRON CT

BIG DATA

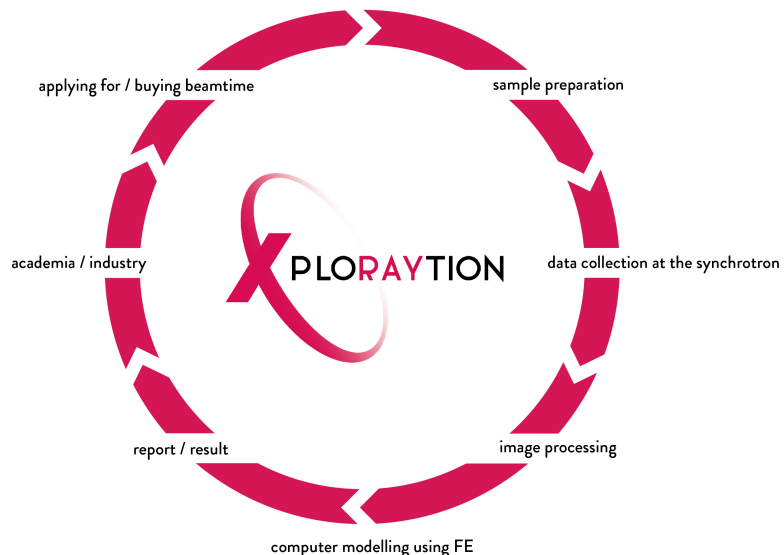
Individual scans can be up to **50GB** each.
Holotomography requires **4 scans** per sample.

We take care of copying, storing and processing the data to smaller stacks that can be handled by usual PCs.

TOO BIG?



WE ASSIST YOU WITH



RECONSTRUCTION

Including phase retrieval process and reconstruction to a 3D data stack.

POST PROCESSING

Including artefact removal algorithms, filtering, cropping and conversion to smaller datasets without loss of important information.

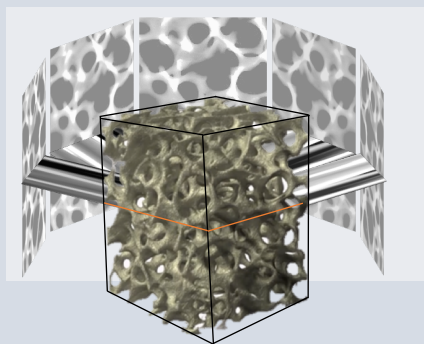
ANALYSIS AND VISUALIZATION

Segmentation of key features and extraction and calculation of interesting or important parameters. Representation in 3D as images or movies.

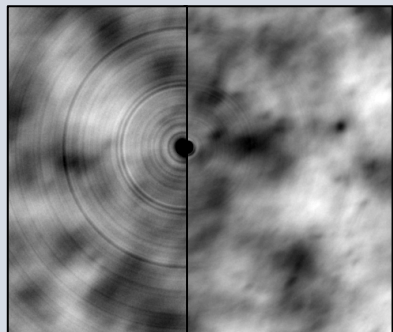
REPORT

Summary of the key findings and depiction in a precise way. If wanted assistance in preparation for scientific publication.

DATA POST PROCESSING



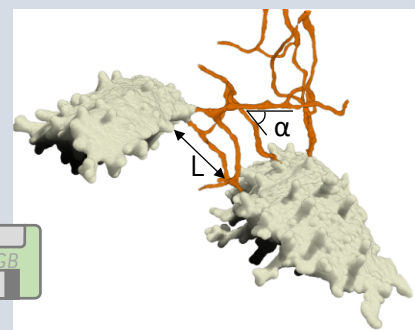
Reconstruction to 3D stack



Ring artefact removal



Data reduction



Analysis & Visualization



Report