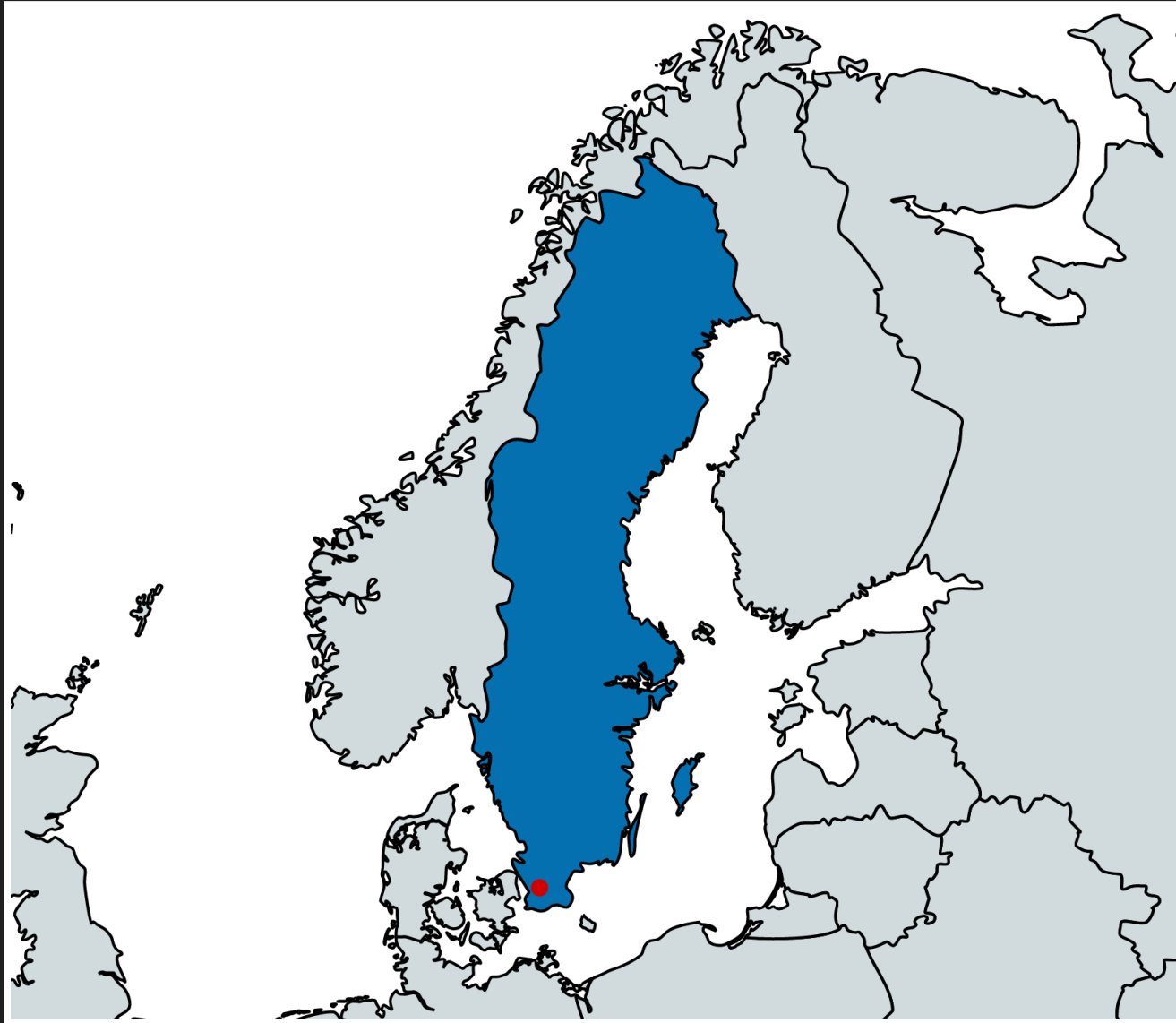


JASON BRUDVIK
HDF5 WEB VIEWER
MAX IV LABORATORY

LUND, SWEDEN

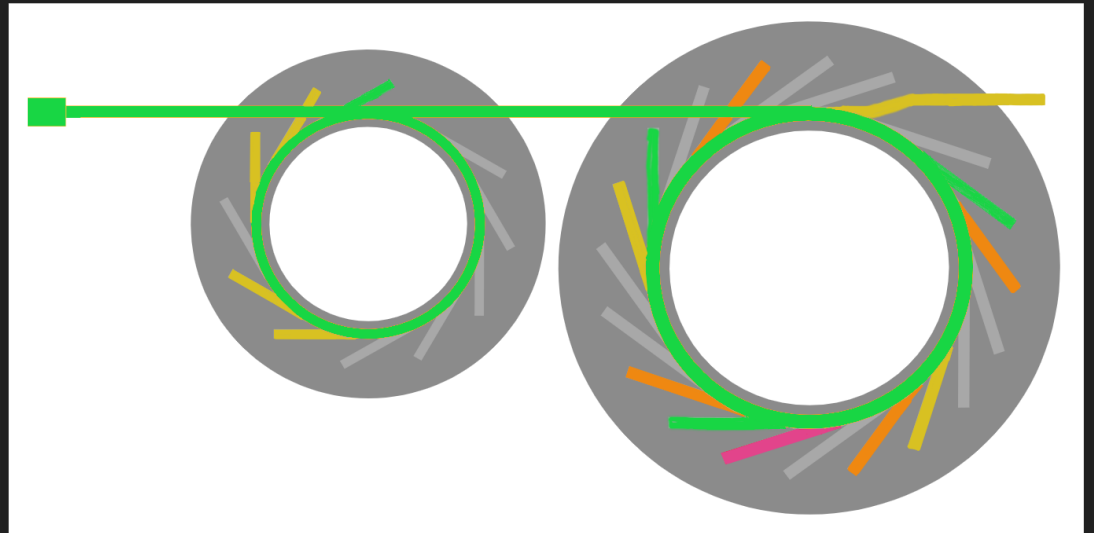


MAX IV LABORATORY



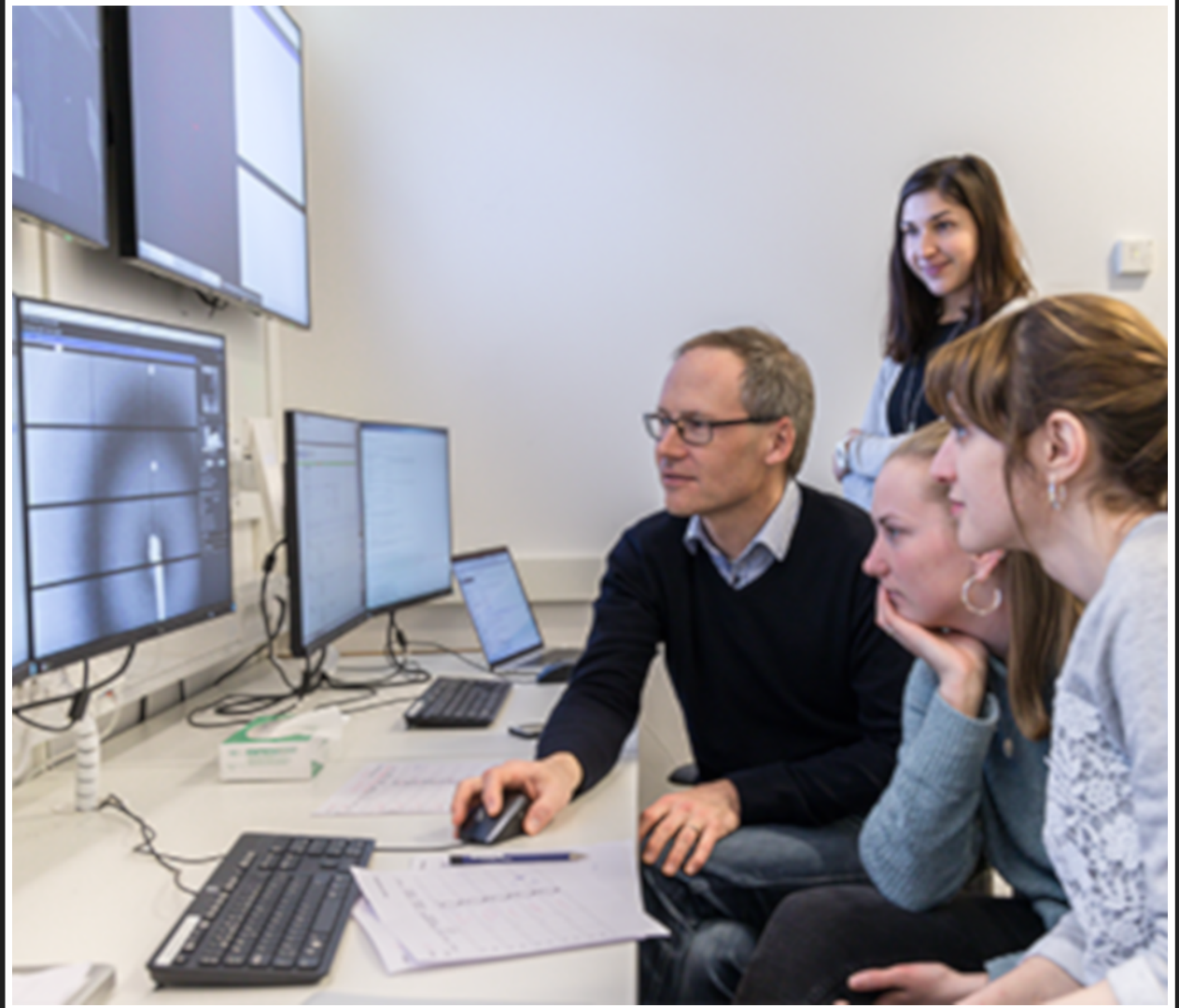
BEAMLINES

- 2 storage rings
- ~30 beamlines
- ~0.1 - 30 TB/week
- HDF5



DATA ANALYSIS & STORAGE

- Beamlines
- MAX IV
- LUNARC
- SNIC



WEB VIEWER

- Access
- Software
- Files
- Maintenance



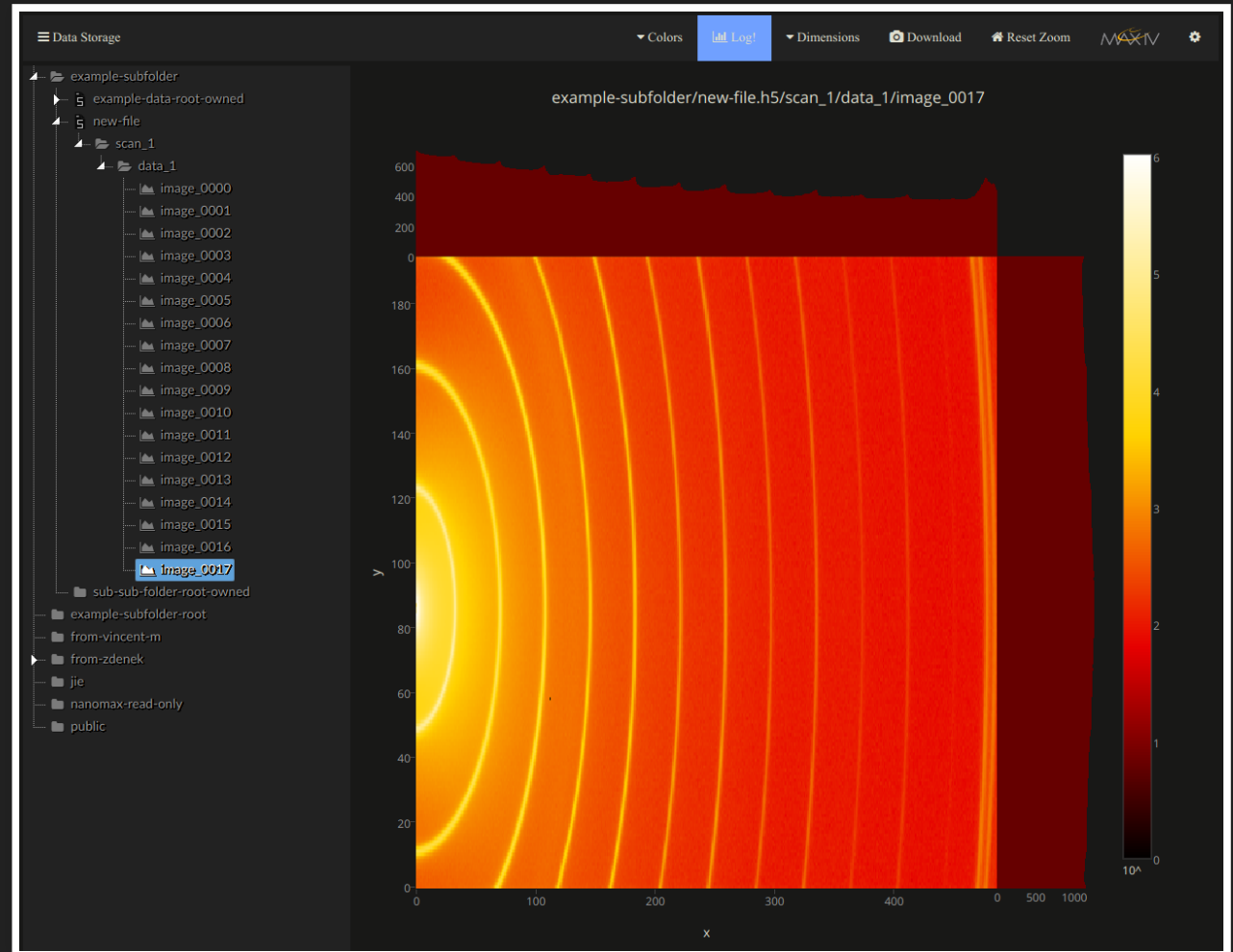
BACKEND

- REST API, flask
- h5cpp wrapper
- hdf5plugin
- CAS
- AD

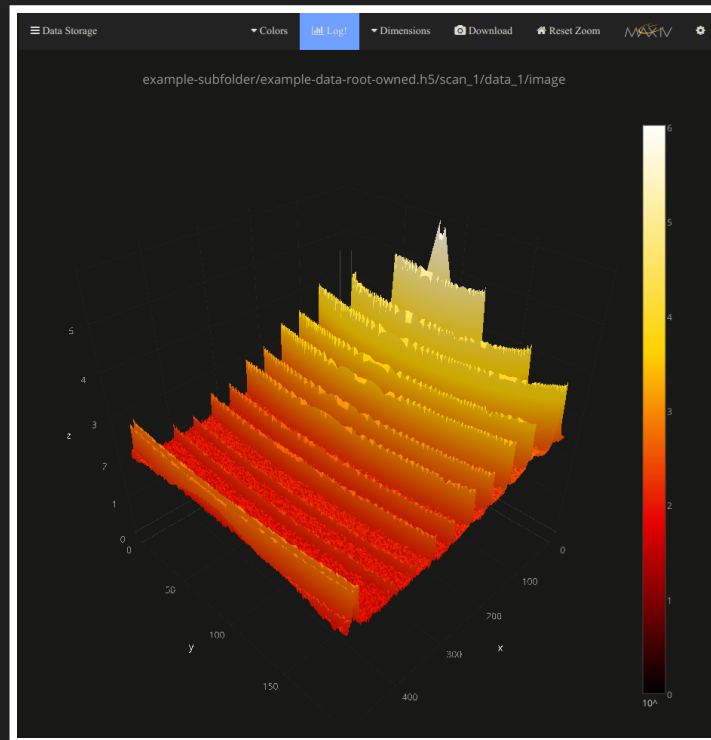
```
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    ▼  
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      "item_type": "folder",  
      "readable": "True",  
      "short_name": "biomax",  
      "url": "https://hdf5view.maxiv.lu.se:8080/staff/biomax"  
    },  
    ▼  
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      "item_type": "folder",  
      "readable": "True",  
      "short_name": "nanomax",  
      "url": "https://hdf5view.maxiv.lu.se:8080/staff/nanomax"  
    },  
    ▼  
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    ▼  
    "3": {  
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      "short_name": "tomograms",  
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    },  
  },  
}
```


WEB INTERFACE

- Browse
- Datasets
- plotly
- jstree



DEMO



FUTURE

- Mobile
- HSDS
- Sharing
- S3 -
SUNET



END

- Summary:
 - Simple
 - Accessible
 - Quick
- Demo:
 - demo.maxiv.lu.se
- Code:
 - gitlab.com/MAXIV-SCISW/
- Contact:
 - Jason.Brudvik@maxiv.lu.se

