

# Elettra Status Update: MXCuBE3

Elettra Access in presence is allowed but not "encouraged"

Dewar shipping cost covered:

*What is the % of shipping cost covered at other facilities?*

Operation during Day time

*.... because we can ....*

*very flexible scheduling, one dewar/two sessions*

XRD2	Nicola Demitri, Raghurama P Hegde, presented by Annie Héroux
XRD1	Maurizio Polentarutti, Giorgio Bais
IT	Roberto Borghes , Iztok Gregory

# New Developments

## Reduce overhead

IRELEC: double gripper

\*\*\*\* Many Thanks to Maurizio  
and Giorgio \*\*\*

- Integration in MX3 was easy
- Still need to figure out what to do when in "failure"
- Mounting/unmounting < 30sec
- Less defrost cycles
- Go back to previous positions (beamline Actions)

Data collection time is limited to the flux at XRD2 and 12 Hz Pilatus  
6-12 min

Arinax : MD2 software upgrade  
Mesh, Workflow for DC

Data Analysis  
Access to Cluster for map, AutoProc  
More pipelines

# xtals finding/centering

Automatic Loop centering

Mesh available

**\*\*SHIFT-DbClick** on Map

Workflow 2 meshes

goes to highest # spots

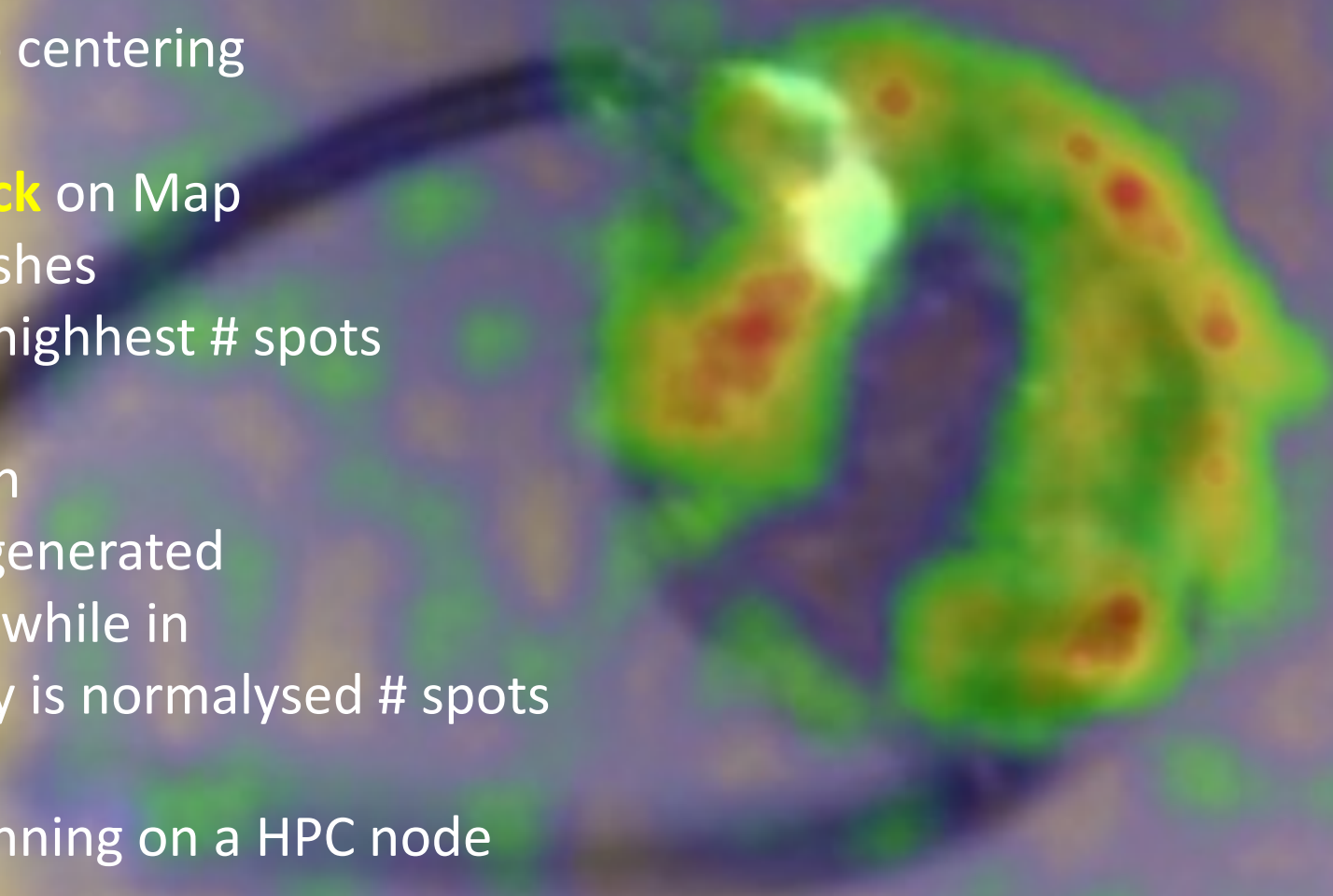
The heatmaps in

SynchWeb are generated

by Distl results, while in

MX3 the overlay is normalised # spots

- software running on a HPC node



# Future Developments

## XRD1

Diffractionmeter will arrive at the  
end of June  
versatile beamline

Visualisation BZoom camera ,

also coming to XRD2

Solve our ZOOM PROBLEMS

## In MX3

- Still no control over points appearing everywhere, 'Del' not erasing them
- Maybe better map overlay
- first mounted xtal after connected not in Queue
- More integration with ISPyB  
????
- Catching up with newer version?... Braggy