



# **ESRF HIGHLIGHTS**

**Antonia BETEVA**  
**(on behalf of the ESRF MXCuBE team)**



## ESRF

- Machine restart December 2019
- First beam to commission the beamlines in March 2020.
- Open for users in August 2020
- 15 beamlines controlled by BLISS.

## MX Beamlines

- Refurbishment (2020-2021)
  - MASSIF-1 – MD2 replacing Robodiff, Flex SC
  - MASSIF-3 & ID30-B – B-zoom on MD2
  - ID23-1 – MD2 replacing MiniDiff, Eiger 16M
- Construction of SSX Beamline (ID29)



## MXCuBE3

- Hardware Objects
  - Clean-up based on master branch.
  - Testing with the new beamline HO.
  - Adapting ESRF HO to use the new structure.
  - Refactoring BLISS control part.
- GUI
  - Characterisation results display.
  - Plates (with EMBL Grenoble)

## BSxCuBE3

- Sample changer implementation done.
- First version will be used at start-up of BM29 (May 2020).
- ICALEPCS 2019 poster  
[http://icalepcs2019.vrws.de/posters/wepha115\\_poster.pdf](http://icalepcs2019.vrws.de/posters/wepha115_poster.pdf)