

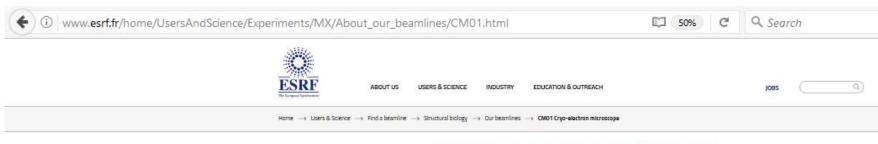
CRYO-ELECTRON MICROSCOPY AT THE ESRF



The European Synchrotron

Page 1 I UM 2018 I 05 Feb 2018 I Eaazhisai Kandiah

# **CM01**

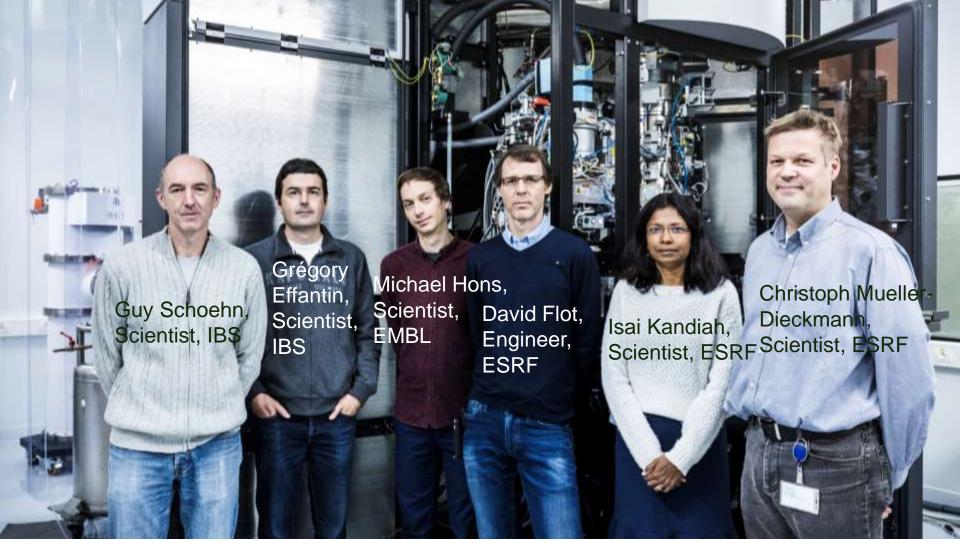








# CM01 TEAM

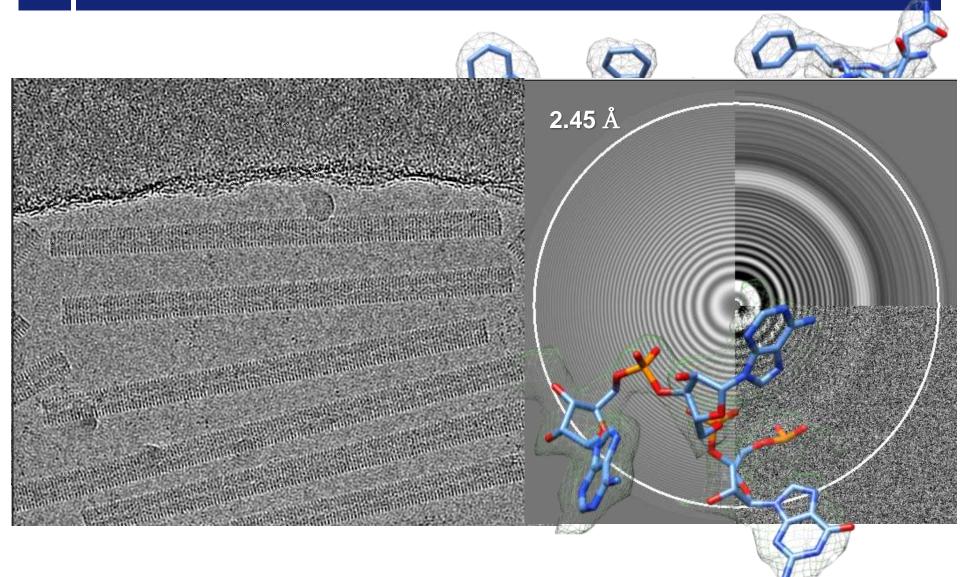




# **CM01 - INFRASTRUCTURE**



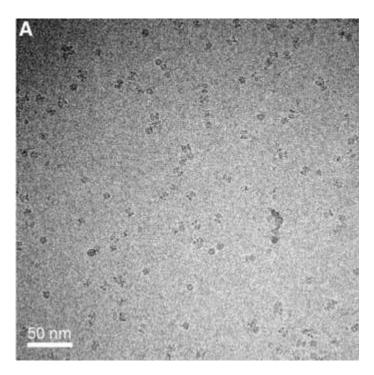
## **CM01 – BENCHMARK**





### Rolling access proposals

#### BTAP

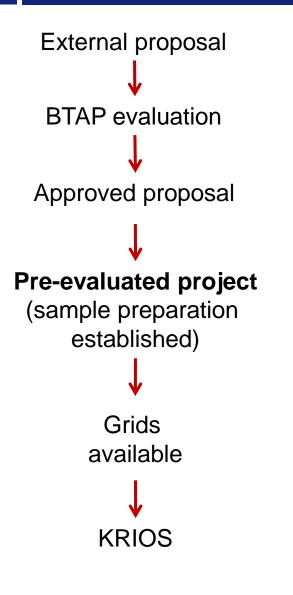


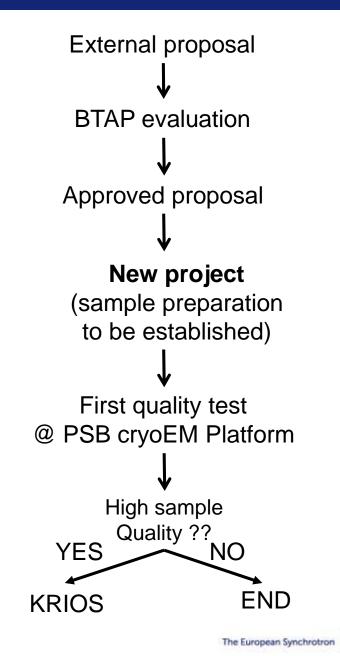
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doi: 10.1016/j.cell.2015.12.055



### **CM01 – WORKFLOW – FROM SUBMISSION TO DATA**





ESRF

- 600 shifts per year
- 9 shifts, each of 8 hours, per proposal
- 2 Proposals per week
  - Proposal 1 : Monday to Thursday (Tuesday MDT)
  - Proposal 2: Friday to Sunday
- 9 shifts program:
  - 1 shift for screening and setting up of data collection (User's presence is useful)
  - 8 shifts of automated data collection (User's presence not needed)



## **CRYO-EM PLATFORM @ EPN**



Titan Krios @ ESRF + sample preparation

### Cryo-EM @ EMBL-Gr





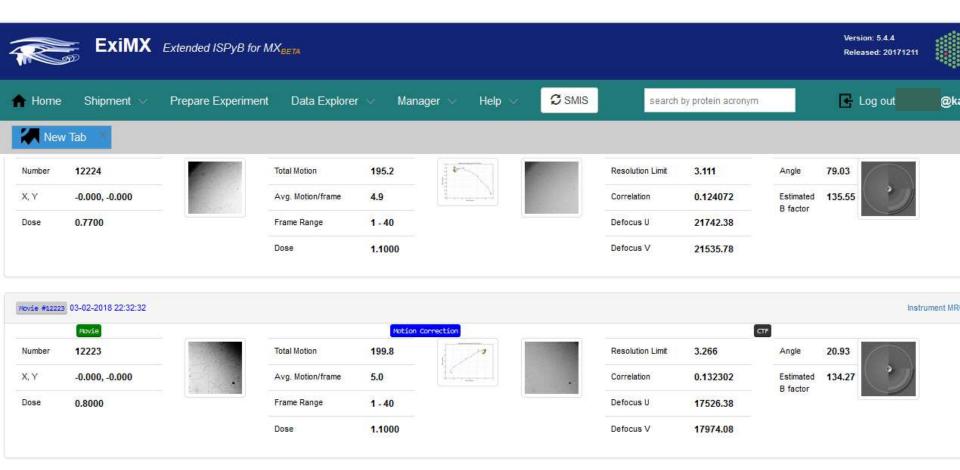
Cryo-EM @ IBS



F20

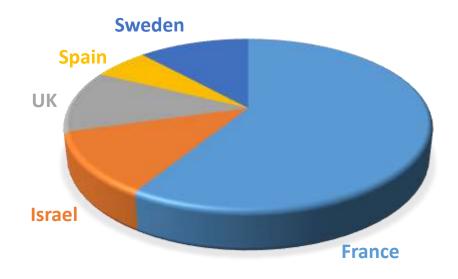


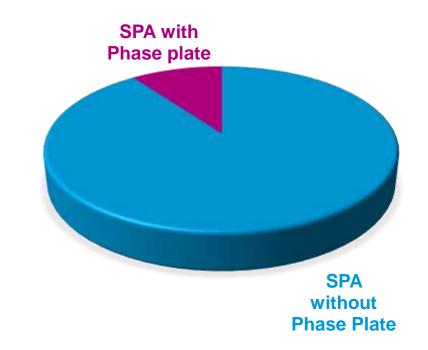
### CM01 – ON-THE-FLY PROCESSING AND ISPYB UPLOAD



CM01 – ON-THE-FLY DATA BACK-UP POSSIBLE









## **CM01 DURING EBS SHUTDOWN**

- CM01 will be operational during EBS shutdown
- ILL Beamline schedule will be followed for Guest house and Canteen support
- 9 shifts, each of 8 hours, per proposal
- 2 Proposals per week
  - **Proposal 1 : Monday to Thursday (Tuesday MDT)**
  - Proposal 2: Friday to Sunday
- 9 shifts program:
  - 1 shift for screening and setting up of data collection (User's presence is useful)
  - 8 shifts of automated data collection (User's presence not needed)

