

CCP-EM Community Meeting

Leeds, Thursday 7th February 2013

Attendees

Saskia Bakker - MRC Glasgow	Ernest Laue - Cambridge
Morgan Beeby - Imperial	Ed Morris - ICR
David Bhella - MRC Glasgow	Stephen Muench - Leeds
Ariel Blocker - Bristol	Arun Prasad Pandurangan - Birkbeck
Doryen Bubeck - Imperial	Arjan Patwardhan - EBI
Per Bullough - Sheffield	Neil Ranson - Leeds
Raffaella Carzaniga - LRI-CRUK	Alan Roseman - Manchester
Alessandro Costa - LRI	Peter Rosenthal - NIMR
Irene farabella - Birkbeck/UCL	Helen Saibil - Birkbeck
Roland Fleck - NIBSC	Sjors Scheres - MRC-LMB
Bob Ford - Manchester	Jude Short - MRC-LMB
Richard Henderson - MRC LMB	Tobias Starborg - Manchester
Louise Hughes - Oxford Brookes	David Stuart - Oxford
Vasileios Kargas - ??	Geerten Vuister - Leicester
Gerard Kleywegt - EMBL-EBI	Martyn Winn - STFC
Eugene Krissinel - CCP4	Chris Wood - STFC

Main outcomes

The aims of CCP-EM were welcomed, and there were many ideas for specific tasks. The priorities were agreed to be:

User Support

1. Focus on a few widely used software packages, likely to be EMAN1/2, Spider, IMOD
2. Provide wiki to collate helpful tips, workflows, known issues
3. In the short-term, help with using local compute clusters
4. In the longer-term, plan for a centrally-maintained compute facility, with access similar to cloud computing model

Developer Support

1. Provide CCP-EM mailing list as a forum for software queries (requested by Sjors for Relion)
2. Collate and distribute UK-based software
3. Maintain MRC library and promote the format standard
4. Provide input to EMDDB developments (e.g. Ardan's request for advice on FSC calculators)

Core Developments

1. Develop data model for communication between programs, compatible with other similar efforts
2. Focus on core infrastructure, such as data management and job tracking.

The meeting was also welcomed as a chance for the UK community to get together. It may be possible to organise more such community meetings (although travel funds may be more limited).

Software usage straw poll

Current usage of software was polled on a show of hands. The result is not expected to be definitive!

Spider	50%
Eman 1+2	60%
Bsoft	20%
Frealign	20%
Relion	25%
Imagic	40%
Xmipp	25%
Sparx	10%
Simple	0
Tigris	10%
MRC	20%
2DX	6%
IMOD	45%
IHRSR	20%
Amira	15%
Icosahedral	6%
Inspect3D	6%