

## E0014

**Towards Data Management for PX Structure Determination Within CCP4.** Peter Briggs, Wanjuan Yang. CCP4, CCLRC-Daresbury Laboratory, Warrington WA4 4AD, UK, Contact: *p.j.briggs@dl.ac.uk*.

BIOXHIT is an Integrated Project within the 6<sup>th</sup> Framework Programme of the European Commission, which is coordinating scientists at all European synchrotrons alongside leading software developers in a timely and unprecedented joint effort to develop, assemble and provide a highly effective technology platform for Structural Genomics.

A key part of the integrated technology platform being delivered by the BIOXHIT project is the development of automated structure determination software pipelines covering the latter stages of structure solution by protein X-ray crystallography (PX). Within such pipelines it is essential to accurately record, organise and track the data, something that becomes increasingly important as the throughput of structures solved using these procedures rises.

Therefore as part of BIOXHIT, CCP4 (the Collaborative Computational Project No. 4, a UK-based software project that provides a suite of programs for the determination of macromolecular structures via X-ray crystallography) is developing a system for performing data management in order to address this need. The system will integrate with existing software such as CCP4i (the CCP4 graphical interface) as well as with new automated pipelines such as that being developed by the CCP4 Automation Project. This poster reports on recent progress towards realising this system.