

Memorandum of Understanding between DUBBLE (Dutch-Belgium Beamlines) and SNBL (Swiss-Norwegian Beamlines) at the ESRF

Collaboration agreement

An agreement for the limited exchange of beamtime between users of DUBBLE and SNBL has been in existence for several years. Following the success of this agreement, and considering the opportunities for synergies between these two Collaborating Research Groups (CRGs) at the ESRF, we have decided to extend this collaboration to cover other areas of common interest. This Memorandum of Understanding (MoU) defines the technical, scientific and administrative areas to be covered by this agreement:

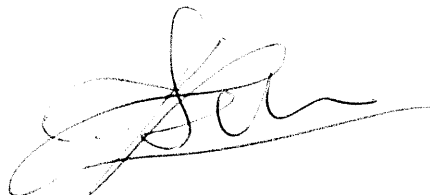
- 1) CRG beamtime may be exchanged between DUBBLE and SNBL up to a maximum of 90 shifts per year, which represents about 20% of the total available CRG beamtime. Users will continue to submit proposals to their respective CRGs, but the review procedures will be modified to take proper account of the broader scientific domains available to users of both DUBBLE and SNBL. In particular the exchange will concern techniques that are either insufficiently or not at all available at one of both CRGs, e.g. powder diffraction. The precise mechanism of the scientific review of proposals and the scheduling of experiments will be agreed between the management of DUBBLE and SNBL.
- 2) The staff of DUBBLE and SNBL will have access to In-House-Research beamtime on both CRG beamlines (BM01 and BM26), with the goal of promoting common research projects and the development and testing of optics and instrumentation of interest to both CRGs.
- 3) The management of DUBBLE and SNBL will prepare a list of ancillary equipment (cryostats, furnaces, electronics etc) and which can form a common pool shared by the two CRGs. The list of ancillary equipment and a definition of the

procedures for access to this equipment (and for the liabilities and responsibilities for users of the equipment) will be properly documented. Members of staff of both DUBBLE and SNBL will have access to common workshop facilities, chemistry laboratories and other infrastructure currently used by the individual CRGs.

- 4) The management of DUBBLE and SNBL agree, in principle, to the sharing of scientific and technical staff between the two CRGs, with the aim of spreading the available expertise and extending the capabilities of each CRG. The possibilities for sharing staff depend on the availability of the people concerned, and will be decided on a case-by-case basis as and when a need arises.
- 5) The management of DUBBLE and SNBL agree to support the joint development of new equipment which may be of common interest to the two CRGs (e.g. beamline controls, beam position monitors, x-ray optics, detectors and electronics). The management of the two CRGs will also ensure, as far as it is feasible, that such developments are in accordance with the common standards for beamline equipment and controls recommended by the ESRF.
- 6) In case results from the collaboration as described in this Memorandum give rise to issues of intellectual property (rights), Article 14 of the ESRF Convention ("Intellectual Property", see appendix) will apply.
- 7) This Memorandum of Understanding will come into force when the steering committees of both CRGs have given their agreement. The MoU will be valid in the first instance up until 31 Dec 2007, and will be automatically extended on a yearly basis unless due notice in writing is given with 6 months notice by one of the participating CRGs.

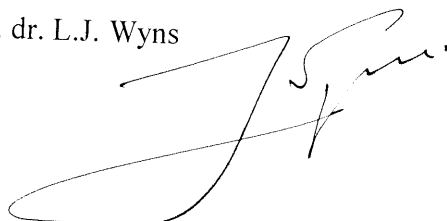
As witness whereof, the Parties have caused this Agreement to be executed in triplicate original, at the places and on the dates specified below.

The Hague, this 29 day of 11/2005
For the Board of the Dutch-Belgium Beam Lines



Prof. dr. H. Schenk

Prof. dr. L.J. Wyns



Villigen, this 29 day of 11.2005
For the Board of the Swiss-Norwegian Beam Lines



Dr. Rafael Abela