



# A LIGHT FOR SCIENCE

## THE SCIENCE ADVISORY COMMITTEE SELECTS PHASE 1 UPGRADE BEAMLINES

The Science Advisory Committee (SAC) of the ESRF has given advice on what upgrade beamlines should go forward in the first phase of the Upgrade Programme.

High energy beamline for buried interface structure and materials processing - UPBL2

Beamline for imaging, fluorescence and spectroscopy at the nanoscale - UPBL4

High energy resolution inelastic scattering in hard X-ray range with micro- and nano-focus capabilities - UPBL6

Soft X-rays for nano-magnetic and electronic spectroscopy -UPBL7

(a) Sub-microradian angular resolution small-angle scattering for probing the structure and nonequilibrium dynamics of self-assembling soft matter and biological systems - UPBL9

(b) Structural dynamics of molecular assemblies -UPBL9

Large-scale automated screening, selection and data collection for macromolecular crystallography - UPBL10

Pushing the limits of energy dispersive X-ray absorption spectroscopy (XAS) towards the nano in spatial and temporal resolution - UPBL11

The SAC also gave its green light for the moving of beamlines ID06, ID10B, ID15 and ID22.

## NEW SCIENTISTS IN CHARGE AT THE ESRF

**Manfred Burghammer**  
ID13

The new scientist in charge of the microfocus beamline is Manfred Burghammer, former beamline operations manager (BLOM). His goals for the future of ID13 consist of "keeping the beamline's leading role in micro- and nano-beam applications in crystallography, scanning diffraction and scattering and exploring new experimental possibilities for user and in-house research". He also hopes the experience of the implementation of a nano-endstation on the beamline will contribute to the success of the Upgrade programme.

**Marine Cotte**  
ID21

Before leading ID21, Marine Cotte was a CNRS researcher at the Louvre Museum and visiting scientist at the ESRF. Her wish list for the future of the beamline includes "pushing further its capacities in terms of lateral resolution, detection limit and chemical sensitivity, without breaking the equilibrium between these three poles. The combination X-ray/infrared also needs to be further exploited".

**Gema Martínez Criado**  
ID22

Another beamline to get a new face as its head is ID22. Gema Martínez Criado was previously a beamline scientist on the beamline. In the framework of the Upgrade programme, Martínez Criado is looking forward to the implementation of the Nano-Imaging and Nano-Analysis (NINA) project. NINA a long canted beamline approved to go ahead in phase 1 of the programme and which "will greatly extend the scientific impact of ID22 beyond that achievable within the standard operation mode".

**Laurence Bouchenoire**  
XMaS

The new BM28-XMaS beamline coordinator, Laurence Bouchenoire, wants to work towards the attraction of new users, especially now that the XMaS team is developing sample environments to reach low and high temperatures and to apply in-situ electric and/or magnetic fields. "These cutting-edge implementations will help to maintain the science done at XMaS at the forefront", explains Bouchenoire.