

New milestone achieved!

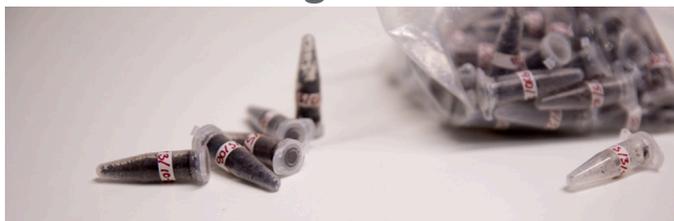


Producing the perfect light is the key to running a synchrotron. MAX IV has reached a new milestone – having light in all 11 beamlines that are either in commissioning or in regular user operation.

Stephen Molloy, Head of Operations explains: “What we want to achieve is a high brightness, that is what all facilities strive towards. Delivering perfect x-ray beams to many beamlines at the same time requires controlling a lot of parameters and so far we have done really well, especially given that the machine still is quite young.”

[Read the full story here!](#)

Investigating soil give clues to water browning



Iron leaking from forest soil is thought to be a factor in the increasing brown coloration of nearby waters called browning. It has consequences ranging from their use as drinking water to the sight of water living organisms in a darker surrounding. A recent experiment at beamline [Balder](#) aims to contribute clues to a better understanding of the iron leaching process.

“This type of experiment is also a good confirmation of the capabilities of the Balder beamline where one of the main application areas are environmental research”, says beamline scientist Kajsa Sigfridsson Clauss.

[Read the full story here!](#)

First results from SPECIES



Commissioning of the [SPECIES](#) beamline have gone according to plan and the first results show that reality and theory align very well as the first APXPS experiment demonstrate.

[Read the full story here!](#)



17 meter long detector chamber delivered to CoSAXS



The experimental techniques used at the CoSAXS beamline will use a huge vacuum vessel with possibilities to accommodate two in-vacuum detectors in the SAXS/WAXS geometry. A major milestone was reached for the [CoSAXS](#) project when this vessel was recently delivered, installed and tested.

To profit from the weak scattering signals from the materials under study, the X-ray detectors have to be placed in a vacuum. Also, the detector distance from the sample needs to be varied over a considerable distance, sometimes during one experiment and according to the needs of the experiment. The vacuum vessel on CoSAXS will allow the characterization of sizes from approximately 1 Ångström to 1 millimeter.

[Read the full story here!](#)

31st MAX IV User Meeting

FASM, the MAX IV user organisation, and the MAX IV laboratory welcome existing and future users to the 31st MAX IV User Meeting (UM19). This years theme is **Developing MAX IV: with the users, for the users**. The user meeting will cover facility updates, plenary talks, poster session, vendors exhibition, poster clips, the MAX IV thesis and student poster awards, users high-light and many mingle opportunities.

Important deadlines:

25 July – deadline nomination/application for the MAX IV PhD Thesis Award 2019

22 August – deadline registration and abstract submission for poster contributions

[All practical information can be found here!](#)

