

# Specialized platforms

## for new user communities



16 April, 2013; signature of the contract for the **Cosmétique platform**, at salon In-Cosmetics, Paris. From left to right: **François Germinet**, president of the University of Cergy-Pontoise ; **Elian Lati**, director of BIO-EC; **Marc-Antoine Jamet**, president of Cosmetic Valley; **Jean Dailant**, general director of SOLEIL; **Marie-Madeleine Mialot**, vice-president of région Centre.

**B**eside the "one-shot" use of beamlines for generally short-term academic or industrial research projects, SOLEIL is in the process of creating research platforms and specialized services in specific fields to host external, public and/or private communities, carrying out medium and long-term synchrotron projects.

These specialized hosting platforms have at least two of the following three characteristics:

- installed in dedicated premises on the SOLEIL site, in the synchrotron building or close by,
- run by an external R & D interface and support group able to translate the specific problems of the applicative domain into synchrotron solution needs,
- access to beamlines and complementary non-synchrotron equipment necessary to the specific needs of this applicative domain.

The first construction at SOLEIL has been agro-food platform proposed on the basis of the collaborative research between INRA (Institut National de Recherche Agronomique) and SOLEIL. Initially, three INRA engineers have been integrated since 2007 to the SOLEIL SMIS, DISCO and SWING beamlines to meet the needs of the agriculture and food industry sectors, notably, expressed by INRA groups and their academic and industrial partners.

Furthermore, a services and research platform for ancient materials (IPANEMA), was created in 2010 in partnership with the French Ministry of Culture and the CNRS around the establishment of a specialized group, a specific building with laboratories and offices and the PUMA beamline

optimized for ancient materials.

- Two new projects involving specialized platforms were launched in Spring 2013 by SOLEIL and its partners:
- The **MICASOL** platform, supported by the "materials" laboratories of the CNRS and two universities in the Alsace region, in conjunction with the MICA (Materials Institute Carnot Alsace) Carnot Institute, is open to Alsace companies from all sectors interested in nanotechnology and the multi-scale characterization of materials. SOLEIL and its academic partners signed a collaboration agreement on March 18<sup>th</sup>, 2013.

- The shared innovation platform (PFMI) "**Cosmétique**", supported by the Cosmetic Valley center of excellence for French companies in the cosmetics industry and dedicated to the characterization and measurement of the effectiveness and safety of products. It is based on a partnership with the Bio-EC company and the University of Cergy Pontoise signed on April 16<sup>th</sup>, 2013 at the Paris international In-Cosmetics exhibition. The PFMI has already started its first concrete actions: collaborative R&D projects, a poster presentation at the Cosminnov fair in early October 2013, exchanges with Ile de France companies able to provide complementary skills and an international collaborative project with Quebec.

→ **Contact :**  
[philippe.deblay@synchrotron-soleil.fr](mailto:philippe.deblay@synchrotron-soleil.fr)

## EN BREF

### TRAINING

For the coming weeks, the training course diary for SOLEIL is full: on November 25<sup>th</sup>, a joint training program with LLB for firms in the metallurgy sector interested by the use of large instruments; on November 26<sup>th</sup>, a presentation during the "basic characterization of materials in contact with food" workshop organized by the Federation of glass industries ; on December 3<sup>rd</sup>, a lecture during the "Non Destructive Testing" training day organized by the European Ceramics center of excellence at the Ester Limoges Technopole ; finally, an in-company seminar for a R&D center from an international world-leading cosmetics company, in early 2014.

### SIXTH PARTICIPATION TO "RENDEZ-VOUS CARNOT"

SOLEIL had an exhibition stand and participated to business meetings during the 6<sup>th</sup> "Rendez-Vous Carnot" in Lyon the 9<sup>th</sup> and 10<sup>th</sup> October 2013, with 800 other major R&D players in partnership with industry.