INDUSTRIAL OFFICE

ALBA-CELLS

Industrial Workshop, April 15th, 2014

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Why using a Synchrotron?

- Product innovation
- Product development
- New and advanced materials
- Manufacturing improvements
- Costs reduction
- Patents
- Because others are using it!
- ….

Industrial office

VISION

- Contributing to improve the Industry competitiveness by using the latest Synchrotron Light developments.

MISSION

- To promote and to make available to the Industry all the potential of the Synchrotron Light applications.

STRATEGY

- To keep our customers happy.

Industrial Office activities

- **Attract Industrial customers**
  - Industrial Workshops, communication
- **Promote Synchrotron Light applications**
  - User access
- **Foster long term industrial collaborations**
  - Scientific staff funding
  - Industrial doctorates students funding
- **Seek for industrial partnership**
  - Partnership Beamlines
- **Support potential spin-offs and technology transfer**

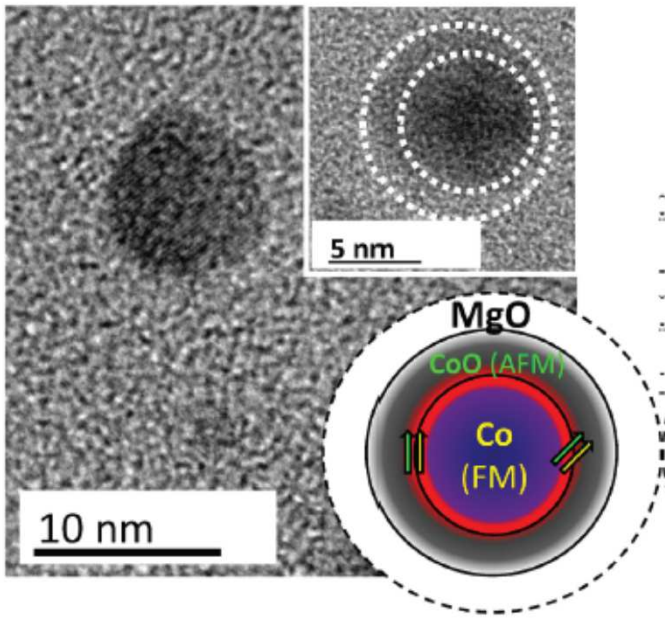
Industrial Workshop

- Provide information on user access policies and ways to partner with ALBA
- Provide an overview of the Beamlines and technical capabilities
- Discuss industrial research needs face to face
- Collect industrial research needs
- Visit and get familiarized with the ALBA facility

User access policies

Scientific access:

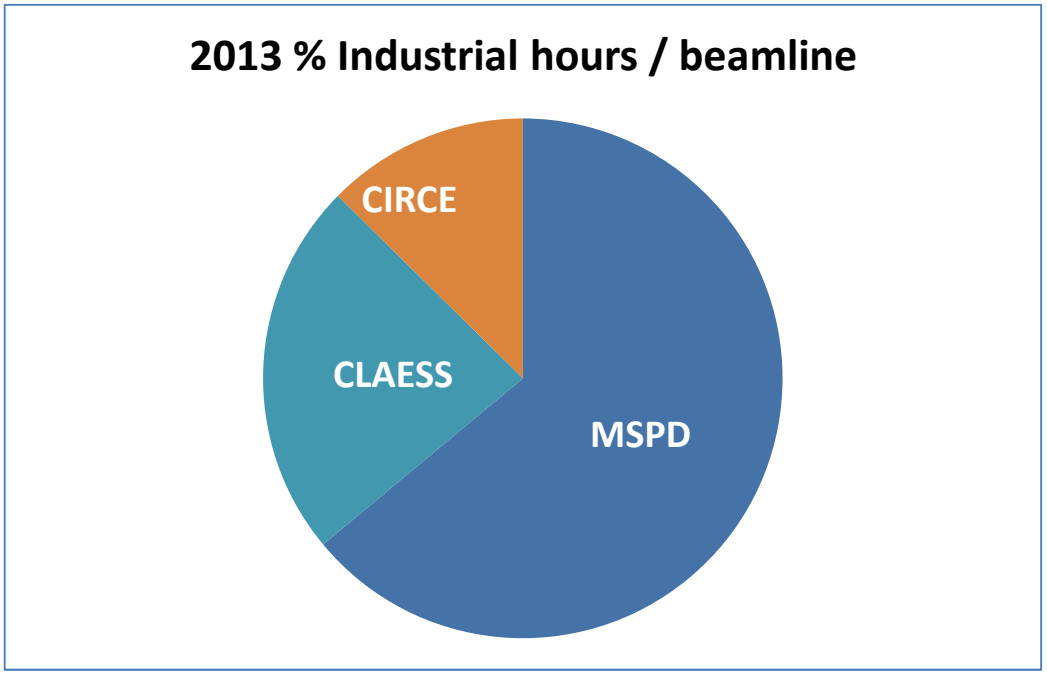
- Based on proposals reviewed by an International Scientific Panel
- Proposals receive a finite amount of beam time
- Allocation of beamtime is typically for periods of 6 months
- Free access. The results must be published

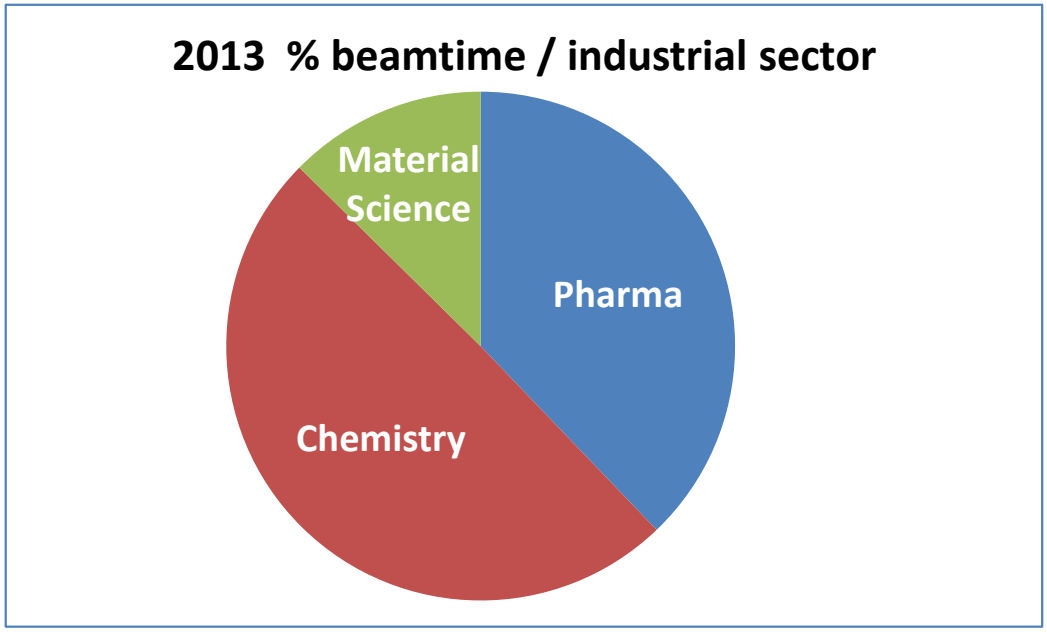


Proprietary (commercial) access:

- Based on costumer needs
- Allocation of beamtime much shorter than Scientific access
- No free access. The results have not to be published
- Additional pre- and post-experiment scientific support may be available

2013 Industrial statistics





MSPD- BL04: Material Science and Powder Diffraction

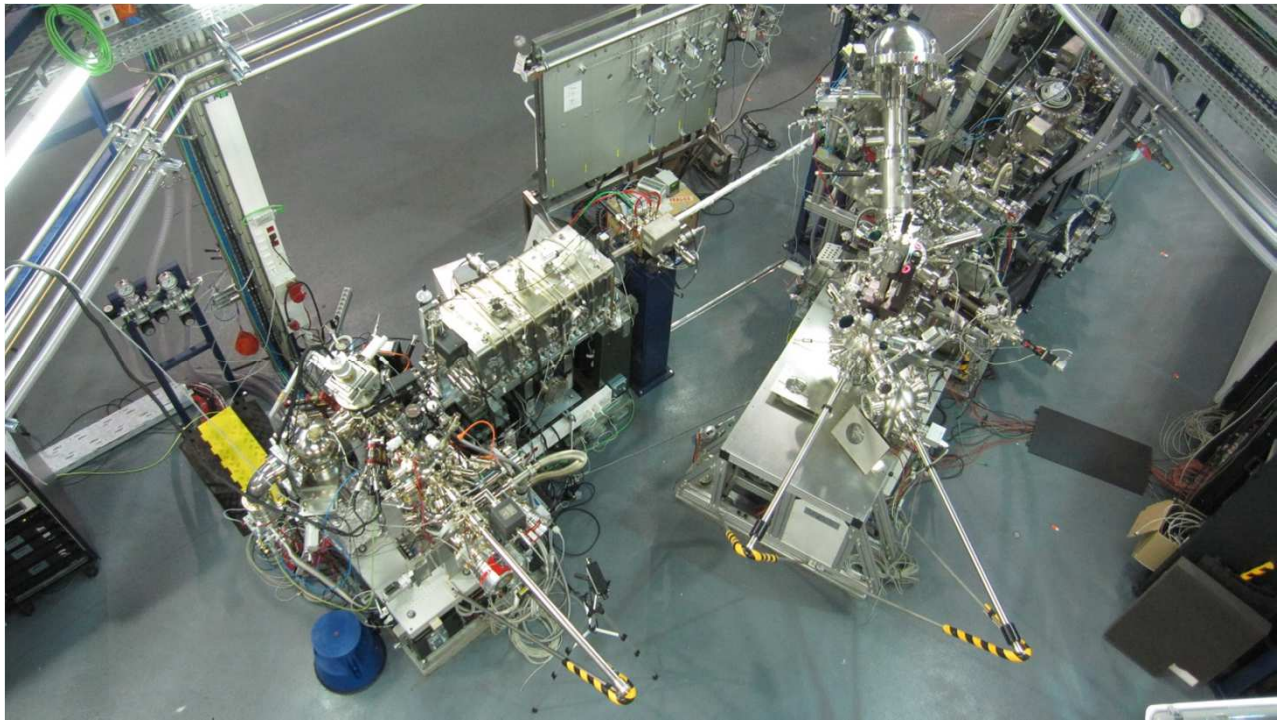
CLAESS-BL22: Absorption & Emission Spectroscopies

CIRCE-BL24: Photoemission Microscopy & Spectroscopy

Industrial collaborations

ALBA is open to long term industrial collaborations through:

- **Personnel**
  - Scientific staff funding
- **Training**
  - Industrial doctorate students funding
- **Equipment**



- **Synchrotron techniques development**

Industrial Partnership

A Partnership Beam Line (PBL) is an ALBA Beamline designed, constructed, operated by an external (non ALBA) entity (it can be a country, a consortium, a company…).

Financial and human resources for construction and operation are fully assumed by the PBL operating entity.

If 100% PBL funded by the external entity:

- 70 % of beam time available for the PBL operating entity
- 30 % of beam time available for ALBA users through proposal system

Less than 100% PBL option could be discussed (-> ALBA share proportional to its participation)

ALBA present and future

As of today ALBA may offer the following laboratory services:

- 7 Beamlines (synchrotron light laboratories)
- Magnetic measurements laboratory
- Optics and metrology laboratory
- Vacuum laboratory (clean room)
- RF high power laboratory

If you do not find your solution today take into account that ALBA plans to offer 6 more Beamlines in the mid term and up to a total of 30 Beamlines in the long term.

Summary

- One of the ALBA main goal is to improve Industry competitiveness.
- ALBA has set an Industrial Office focused on the industrial costumer needs.
- ALBA offers a wide range of industrial research services and collaboration possibilities.
- ALBA is looking for the needs of the industry.
- ALBA is committed to increase its industrial service offer in the future.

The Industrial Office provides an one-stop shop service (“ventanilla única”) by providing guidance through the whole process with ALBA

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THANK YOU!