



ALBA Industrial Liaison Office



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.

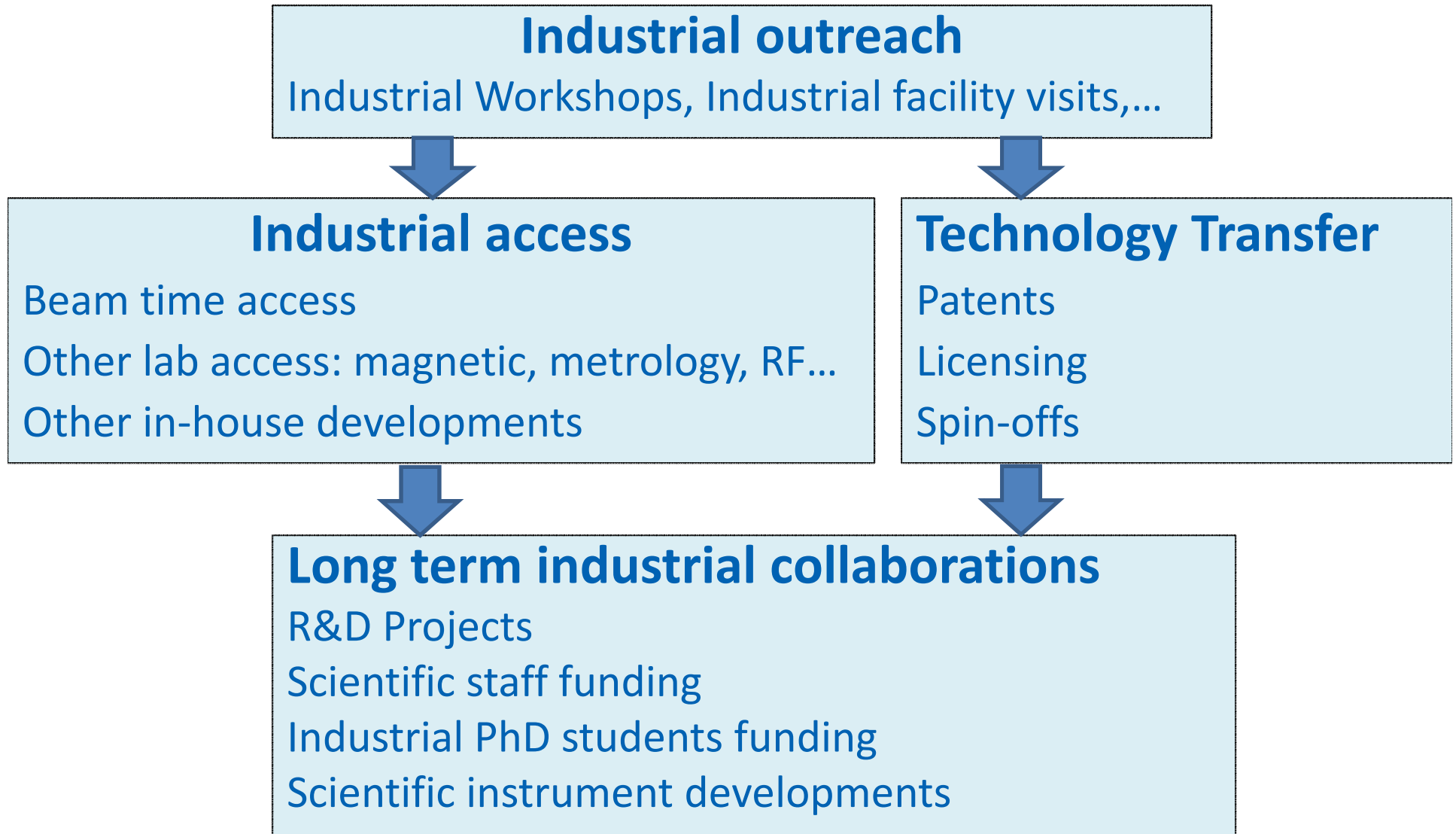
STRATEGY

- Customer satisfaction, one-stop shop service

ORGANIZATION

- Office reporting to the Director
- Two persons

INDUSTRIAL OFFICE ACTIVITIES



INDUSTRIAL OUTREACH







Con la colaboración de:  

**REUNIÓN: Aplicaciones del sincrotrón ALBA en la Industria
Química y de Materiales**

Martes, 15 de abril de 2014, Auditorio Maxwell de ALBA
Carretera BP1413 Km 3.3, Cerdanyola del Vallès, Barcelona

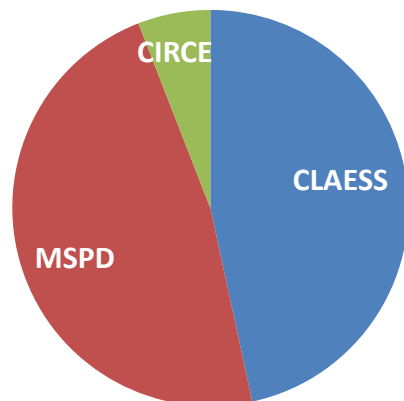
- Industrial Workshops
- Industry associations
- Industry facility visits
- Industry exhibitions
- European projects



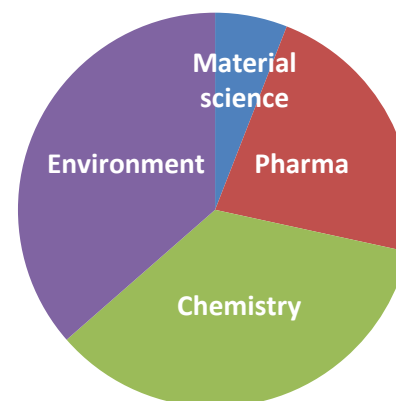
**European Light & Neutron & Muon Sources
for Industrial Innovation**

INDUSTRIAL USERS

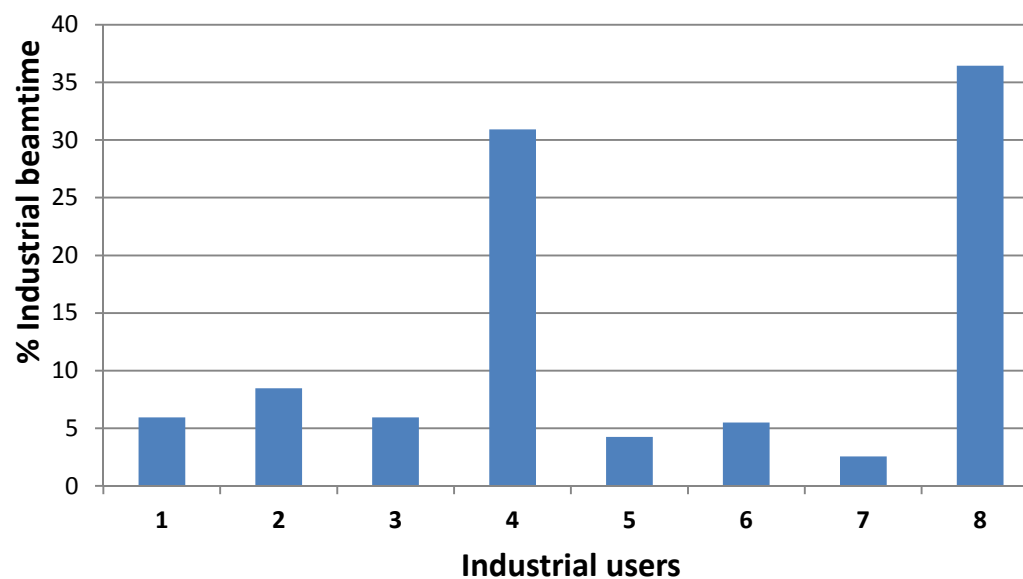
% Industrial beamtime / Beamline
Period 2013+2014 (until June 2014)



% Beamtime / industrial sector
Period 2013+2014 (until June 2014)



% Industrial beamtime / company
Period 2013+2014 (until June 2014)



INDUSTRIAL USERS

- More beamtime requests are in the pipeline for the coming months.
- Beamlines are becoming more mature for industrial measurements.
- Industry is interested in solving problems not in raw data. Data analysis and scientific expertise are essential. Resources are limited.
- Other labs than the BLs, like the magnetic, is also providing service to commercial users.
- ALBA staff is keen to collaborate with the industry. This is key.



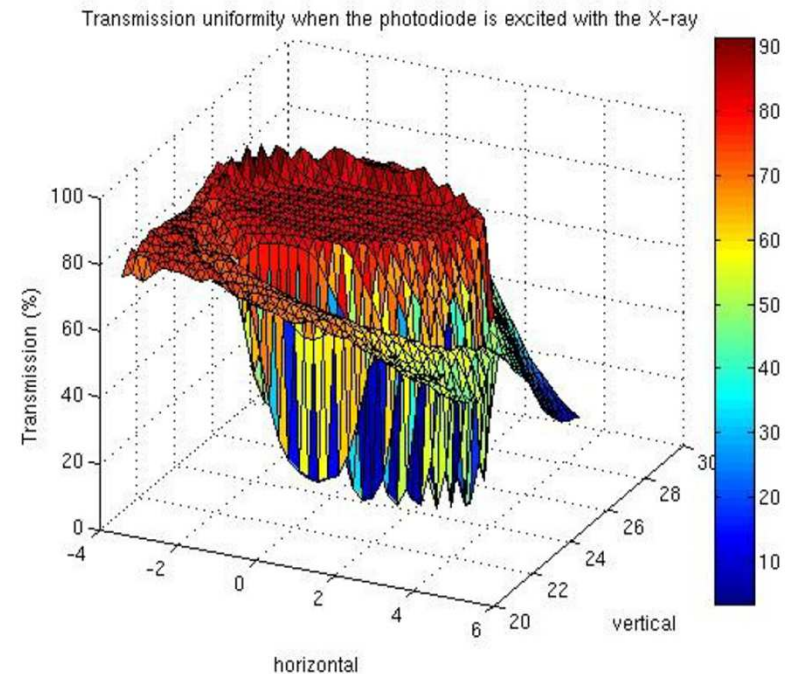
LONG TERM COLLABORATIONS

- Collaboration agreement signed with the company Henkel.
- ALBA, Henkel hub of collaborations.
- Post-doc based on ALBA fully funded by the company Henkel.
- A long term R&D project with the company Almirall is being defined.
- Application for an Industrial PhD student at ALBA funded by the company Almirall and the Catalanian Government.



TECHNOLOGY TRANSFER

- **Patent application for an in-house development has started:**
 - Magnetic measurements bench
- **Collaborations with industries to commercialize in-house developments under the innovation program funded by the FCRI (Fundació Catalana de Recerca i Innovació):**
 - Photodiode detector
 - Precision positioning table
- **Licensing negotiations for in-house developments**
 - X-ray mirror nanobender
- **Support to industry scientific instrument developments**
 - Industry proposal to the CDTI funding agency



CONCLUSIONS

- ✓ **One ALBA main goal is to improve Industry competitiveness.**
- ✓ **ALBA has set an Industrial Liaison Office focused on the industrial costumer needs.**
- ✓ **Industrial users have come to ALBA during the first year of operations. They came back after the first visit!**
- ✓ **Data analysis is essential. It is a very limited resource.**
- ✓ **Long term industrial collaborations have also started.**
- ✓ **Other services, besides beamtime, are being provided such as technology transfer and other lab accesses.**
- ✓ **Technology transfer is at the early stages.**

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THANK YOU!

