

Institut Laue Langevin: Industry Office

Our Mission

To make available unique instrumentation and techniques to industry

academia research: our kernel business, peer reviewed, obligation to publish

proprietary research:

intellectual property and commercial exploitation of results remain with client

Data remain confidential

No obligation to publish

Cooperative: collaboration between industry, academia and ILL, i.e. Thesis student

Institut Laue Langevin

480 employees,

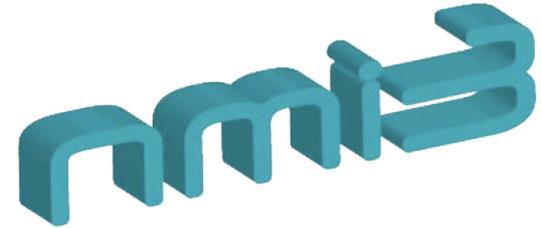
40 instruments,

10 scientists involved with industry

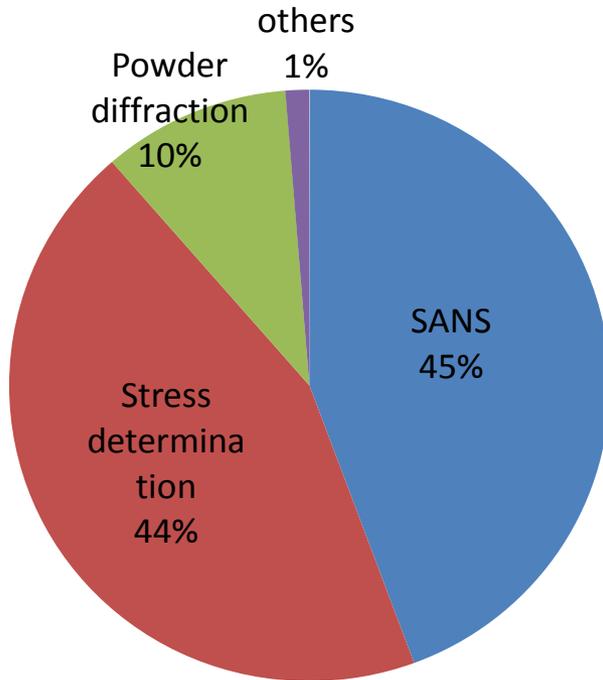
157 k€ Approx. annual income generated

28 k€ Average price per measurement

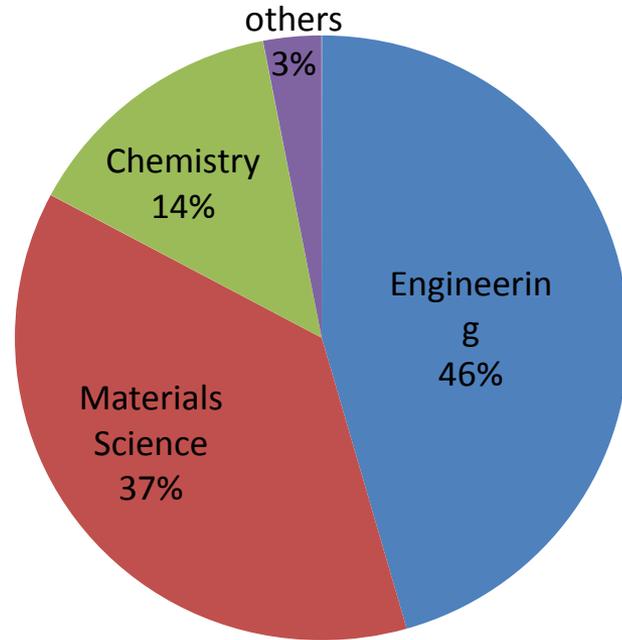
4 unique clients



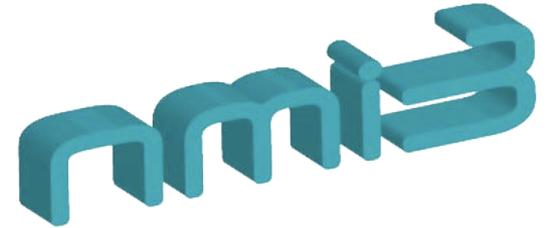
Beam time sales per technique



Beam time sales per field

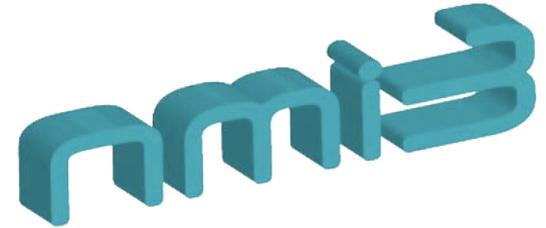


Period: 2010 to 2013



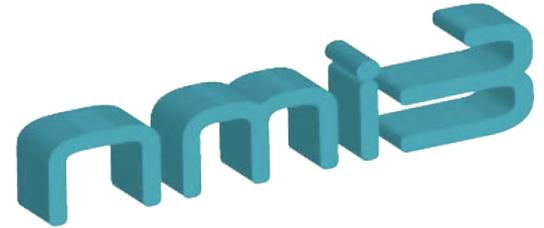
Where are the bottlenecks?

We have unique techniques, that have many advantages amongst others, such as providing representative bulk values, enabling in-situ studies under applied temperature, shear load, stress, magnetic field, easy to adapt or make sample environment, no radiation damage.



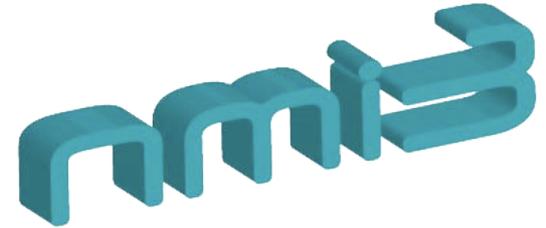
Why don't we have more clients?

- neutron methods are not well known in many domains
- clients see a risk that results cannot be achieved
- price
- no nearby clients, do industrial partners prefer national institutions?
- only few regular clients
- fear of contact between industry and fundamental research in Europe?
- not all techniques are certified
- often we provide more than a measurement
- limited dedicated manpower on our side
- measurements are too fast -> clients fear losing beam time (results) in case of difficulties



Current challenges to our mission

- Standardisation: VAMAS, CEN138, ISO
- Training for industrial users, i.e. Hercules, workshops
- IRT for nanoelectronics
- Set-up a tomography station (as CRG?)



Looking to the Future

Creation of a network for expertise

Collaboration with intermediate company

Where could joint European actions help?

Provide the case -> helps to justify beam time distribution

Create confidence in the techniques

Can help to give us higher weight in standardization bodies