

From open science to open innovation

Opening CERN to Industry



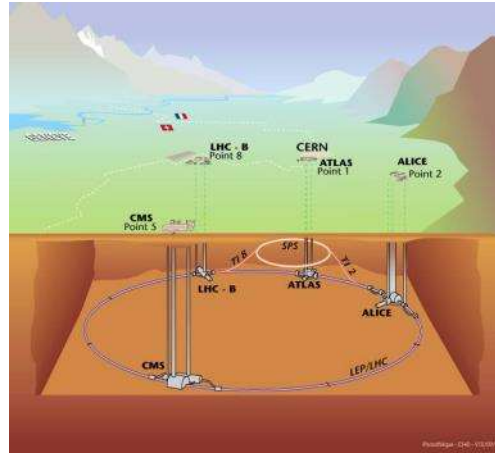
Macro-Regional Innovation Week
Trieste 26-30 September 2016

B. Denis CERN/IPT/EU

CERN Research Infrastructures

The mission of CERN

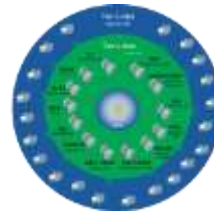
- Push back the frontier of knowledge
- Unite people
- Develop new technologies
- Train scientists and engineers



Detectors



Accelerators



Computing grid

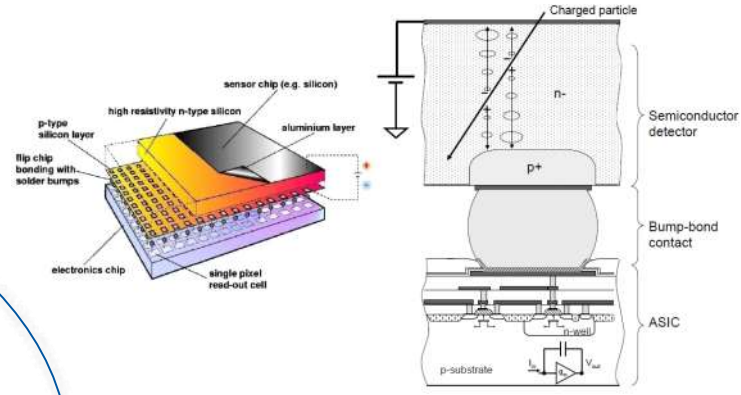
Opening to Industry



R&D Collaborations



Medipix technology

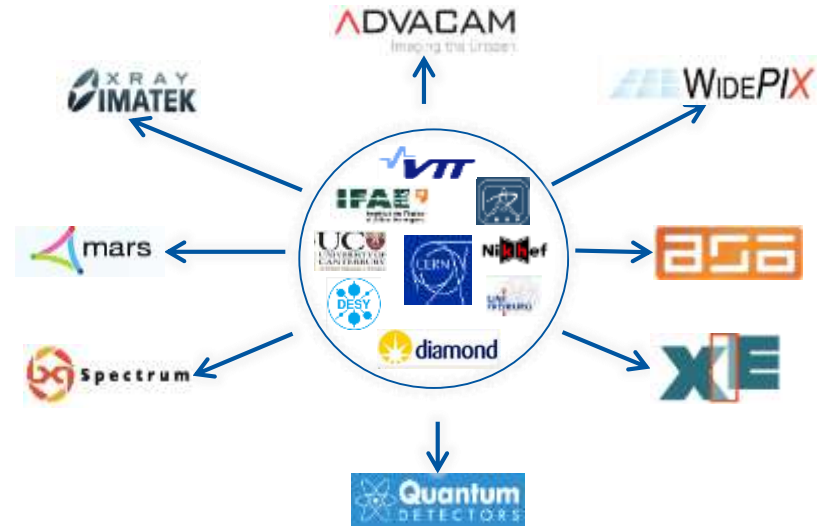


Medipix Collaborations

R&D Collaborations



Medipix collaboration members
collaborating with industry



Medipix Spin-off companies

Academic Industry Matching Events

HEPTech GSI enterprise europe network HESSEN TRADE & INVEST

ACADEMIA-INDUSTRY MATCHING EVENT
Nanotechnology & High-Energy Physics:
From Material to Innovation

Academia and Industry coming together to identify innovative synergies between the broad fields of High-Energy Physics (HEP) and Nanotechnology. This event will bring together nanotechnology and high-energy physics researchers and industrialists to:

- Showcase new developments in nanotechnology and HEP
- Address the needs of industry
- Provide an opportunity for collaborative R&D and technology transfer partnerships

Organizing Committee: Tiago Rodrigues de Araujo (CERN), Martina Bauer (GSI), Jerome Beaucour (ILL), Tatiana Correia (KTN), Andrea Crotini (EPFL), Tobias Engert (GSI), Jean-Marie Le Goff (CERN), Symeon Kokovis (CERN), Antonio de Valdivares Pacheco (KTN-HEPTech), Leszek Ropelewski (CERN/RD51), Jaime Segura (ILL), Alicja Surwicz (GSI), Christina Trautmann (GSI)

20-21 October 2016
GSI Helmholtzzentrum für Schwerionenforschung,
Darmstadt, Germany
<https://indico.gsi.de/event/298276/>

HEPTech
 Leading HEP technologies for industry
 Technology Transfer opportunities



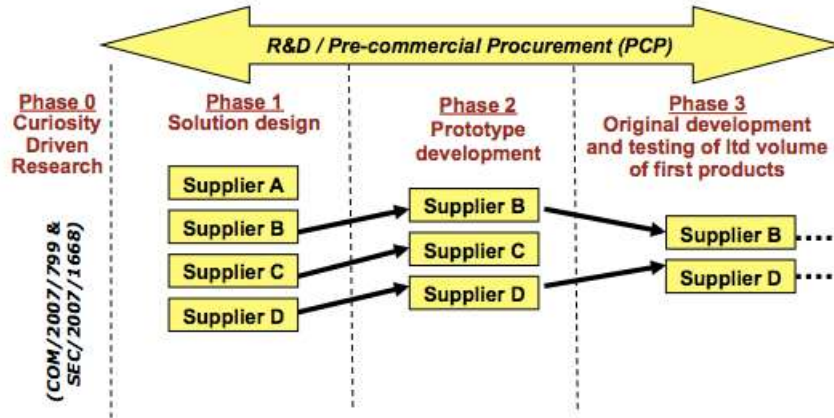
Procurement



Results:

- ✓ 44% indicated technological learning
- ✓ 42% increased their international exposure
- ✓ 38% developed new products
- ✓ 36% indicated market learning
- ✓ 13% started new R&D teams
- ✓ 52% would have had poorer sales performance without CERN
- ✓ 41% would have had poorer technological performance

Procurement



The ATTRACT initiative

- Proposes a co-innovation paradigm between RIs and Industry
- Focus on detection and imaging technologies
- Aligned with EU Research Infrastructures policy



