

Introducing **Knowledge Transfer**

@ CERN

Dr. Zoe Lawson

Outline

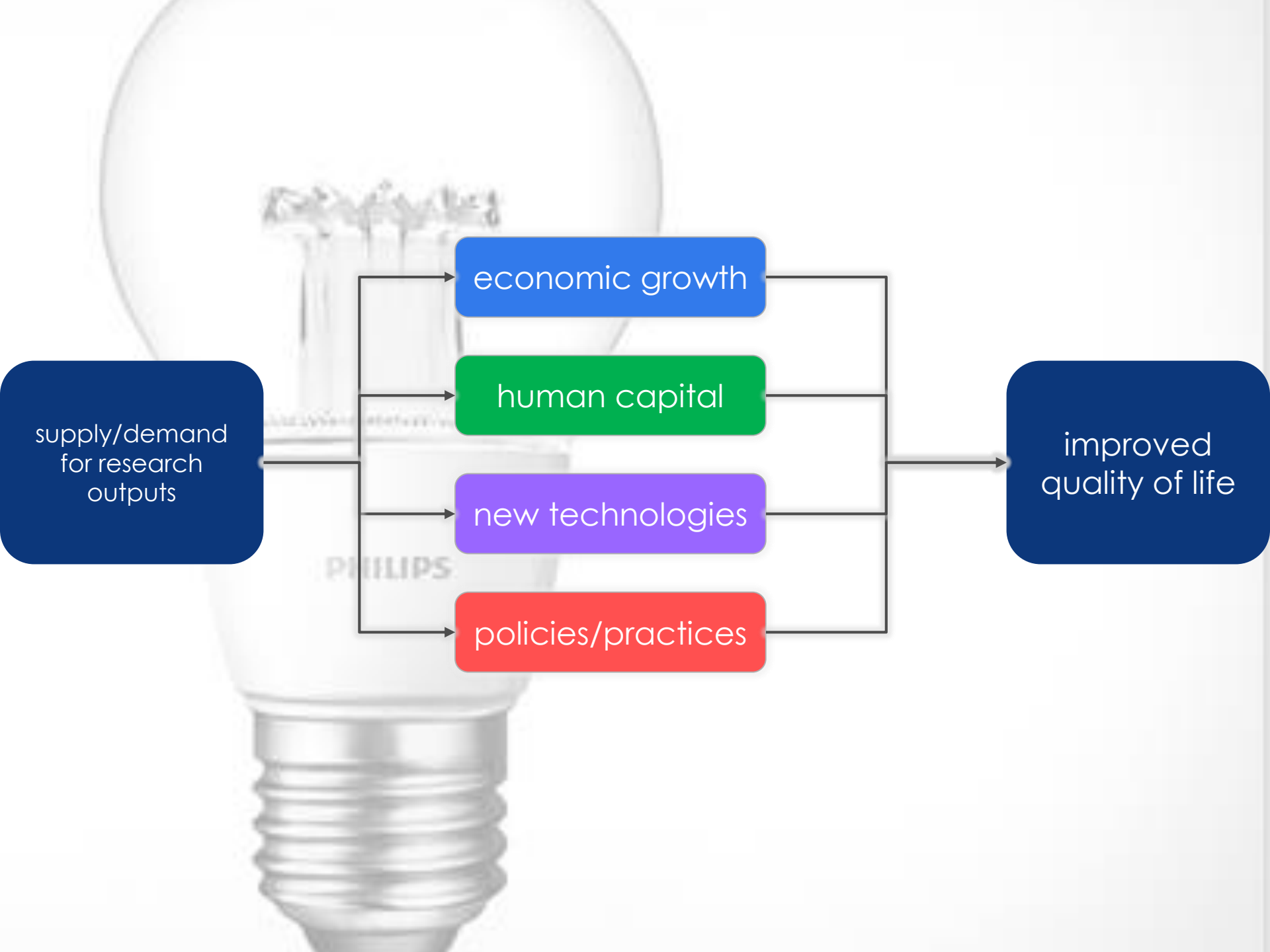
- 1) **Knowledge Transfer (KT) in context**
- 2) **KT; what and why @ CERN?**
- 3) **CERN's KT modes**
- 4) **CERN's technology domains**
- 5) **Benefits of working with CERN**

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The electric light bulb





supply/demand
for research
outputs

economic growth

human capital

new technologies

policies/practices

improved
quality of life



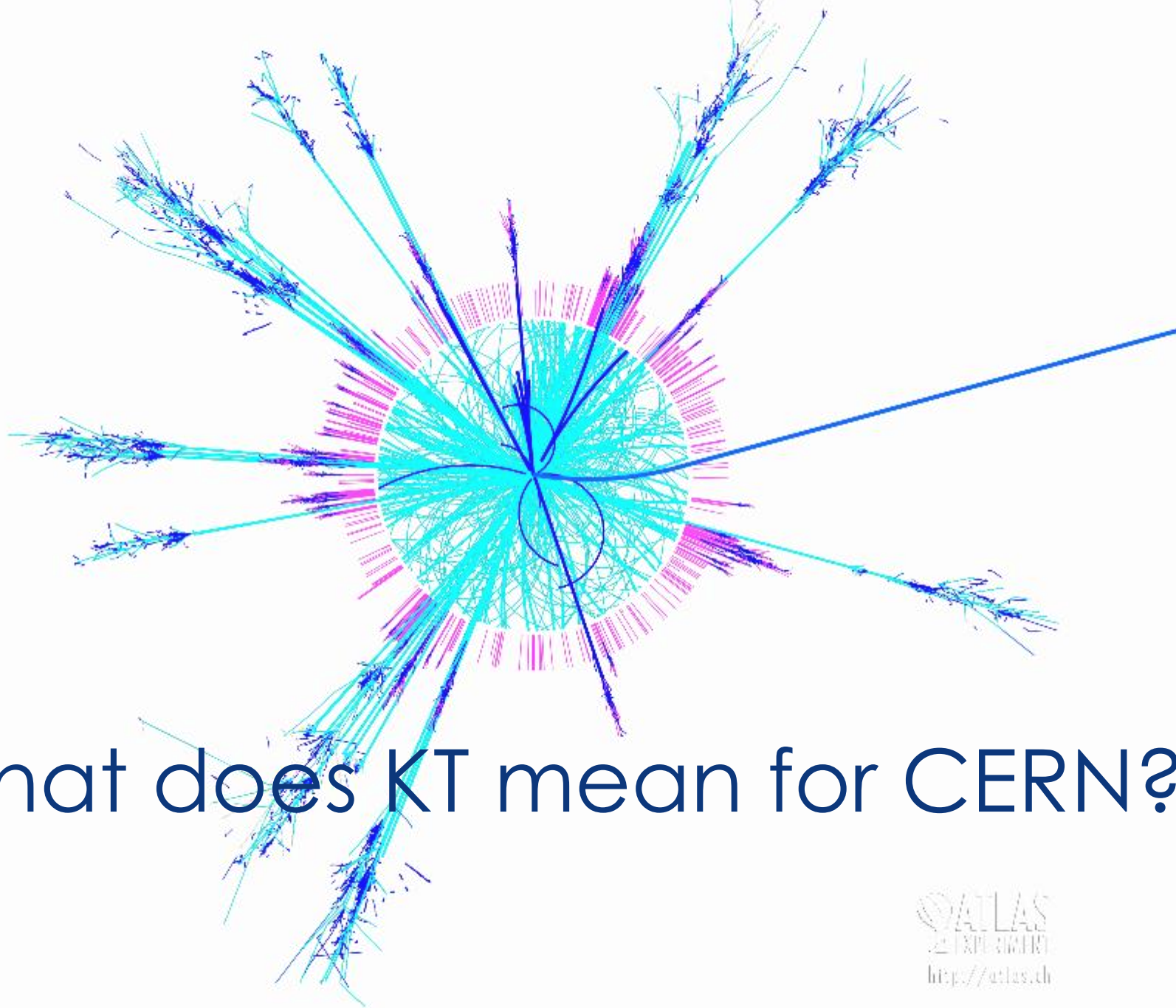
Knowledge Transfer
accelerating innovation

Maximising the likelihood that CERN inventions make it from the lab and into society

Raison d'être for CERN's Knowledge Transfer Group

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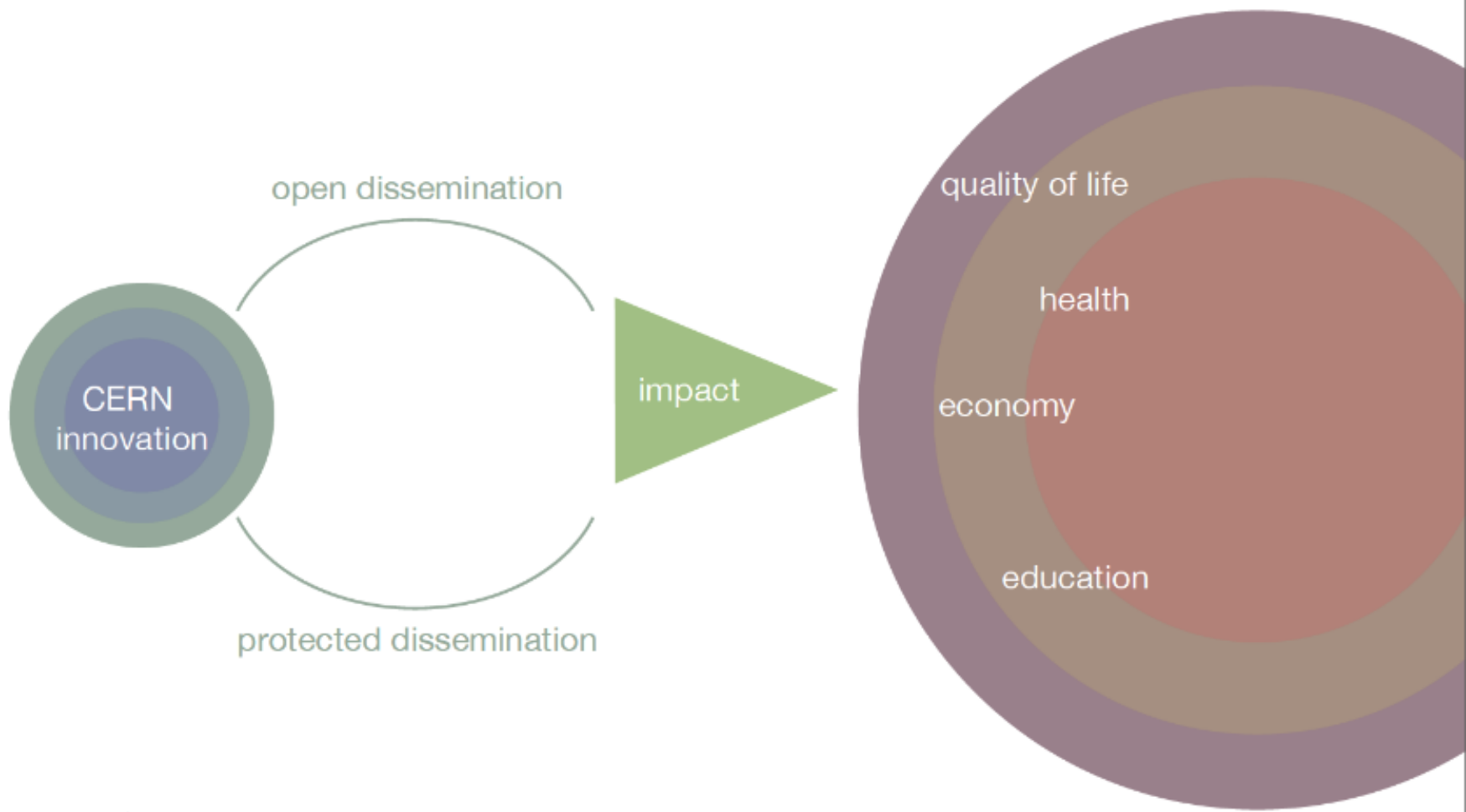


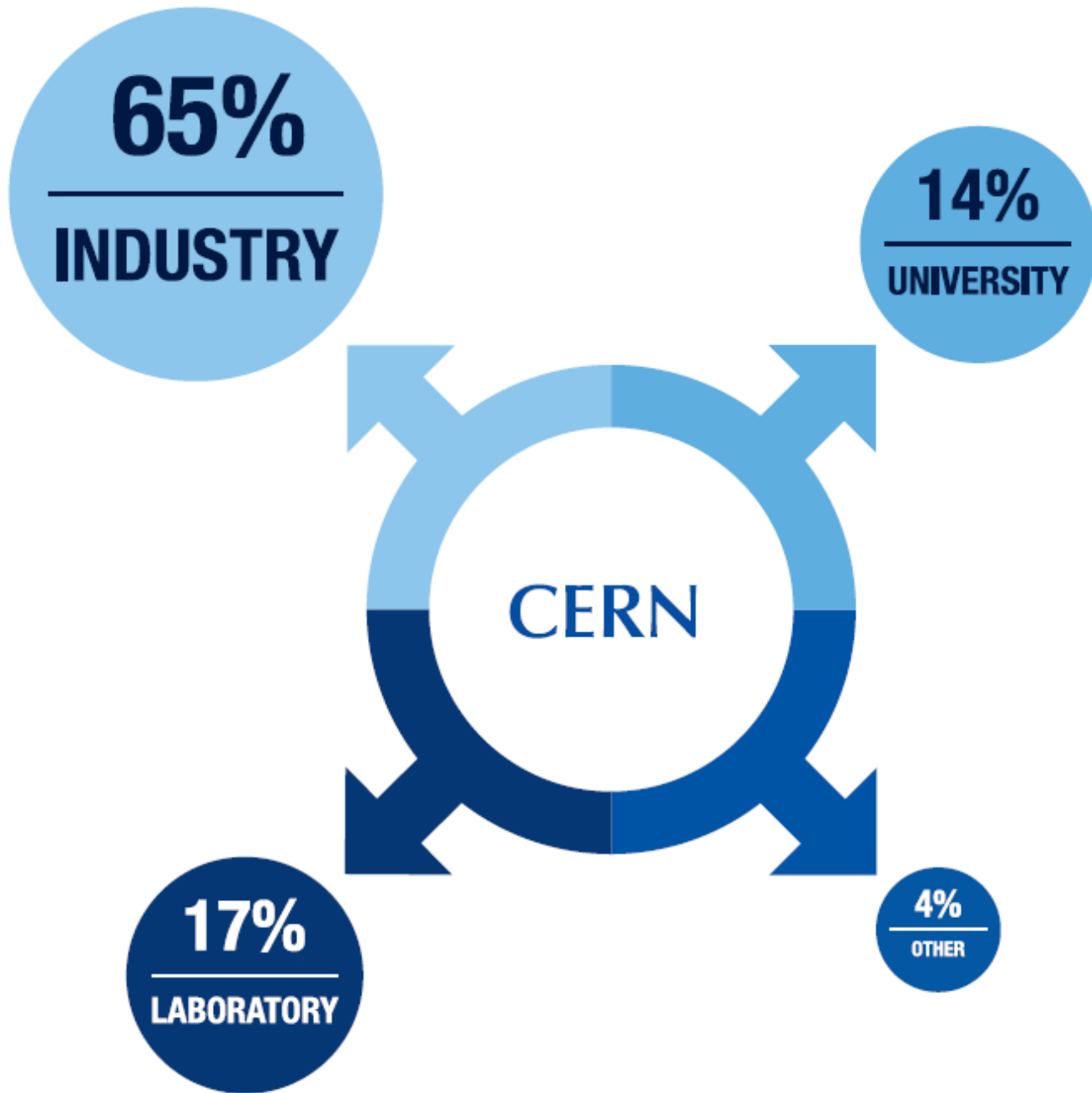
What does KT mean for CERN?

centre of
excellence

positive force
for societal
benefit

sharing of
technology

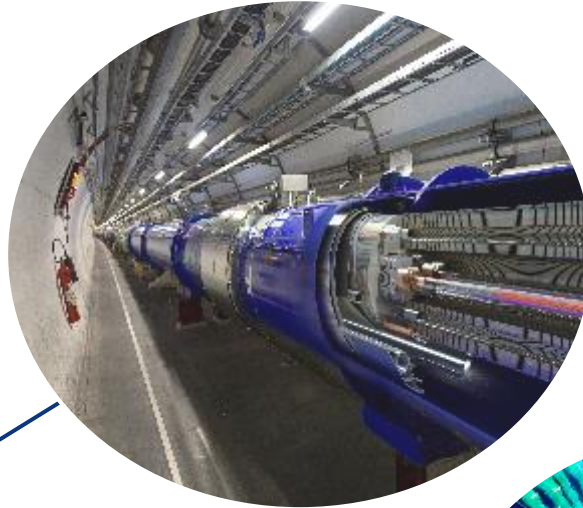






Based on CERN's core research

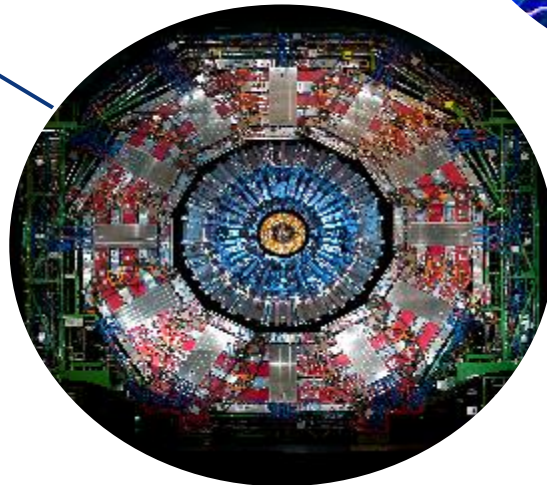
CERN
core research domains



accelerators



ICT



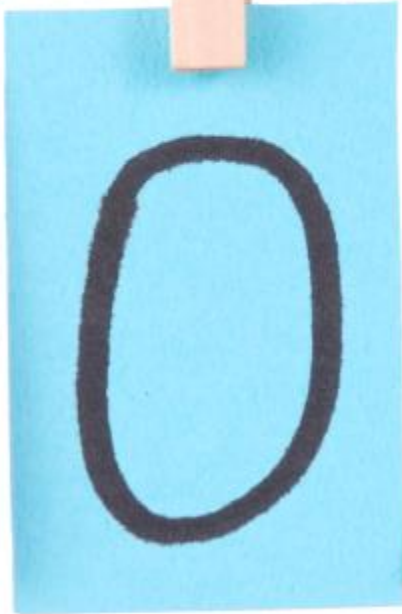
detectors

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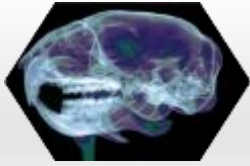


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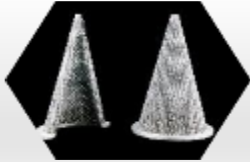


?

KT modes



tech licencing



business incubation



R&D collaboration



spin-off companies



open source software &
hardware



training

Business Incubator Centres of CERN Technologies

Austria

France

Finland

Greece

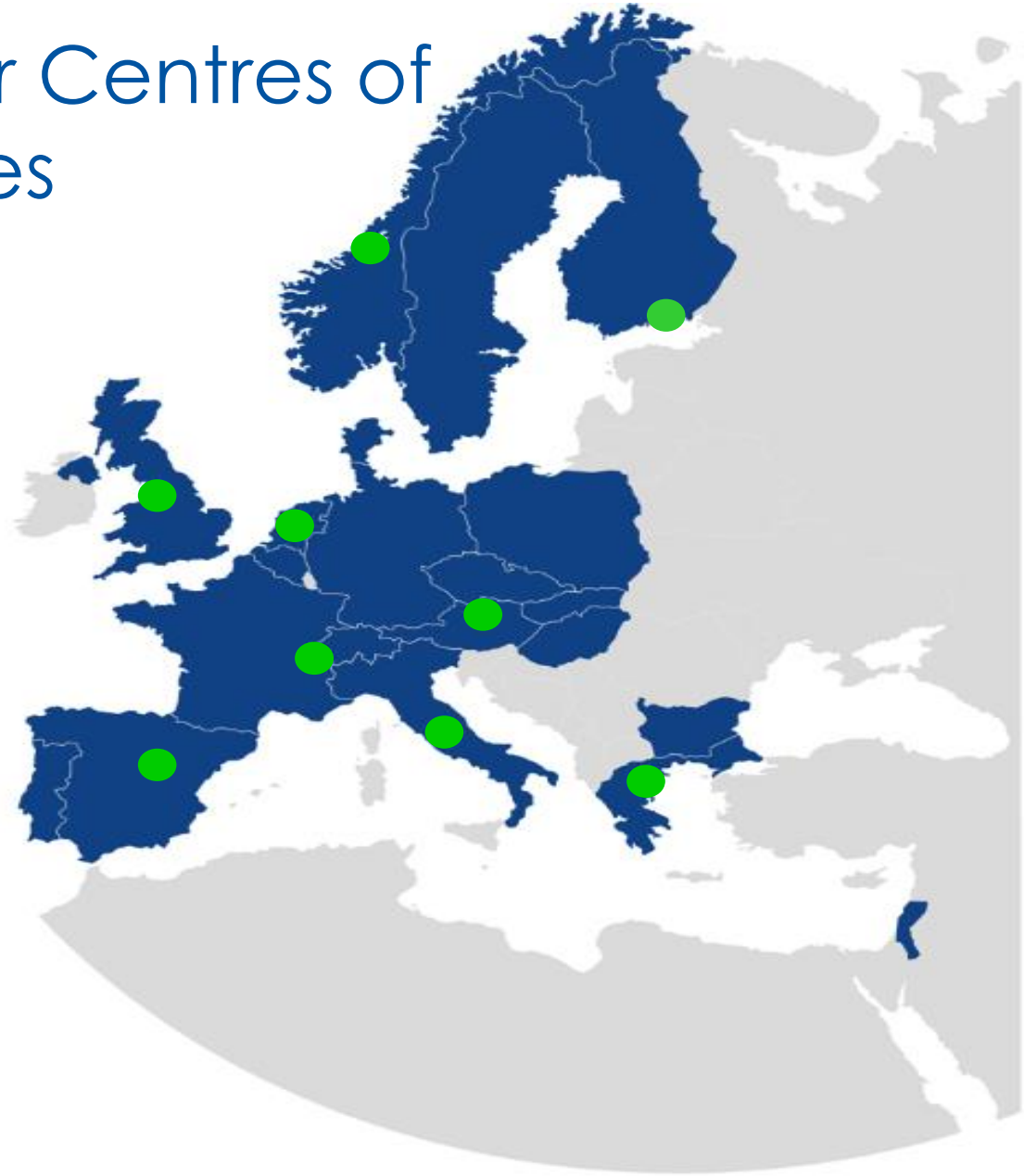
Italy

Netherlands

Norway

Spain

UK



CERN Open Hardware Licence

A legal framework to facilitate knowledge exchange across the electronic design community.

The CERN OHL was created to govern the use, copying, modification and distribution of hardware design documentation, and the manufacture and distribution of products.



CERN spin-off companies



Free software for running a digital library/document repository on the web

Document classification, indexing, curation, dissemination

Diverse content types; articles, books, journals, photos, videos

T I \ D



Knowledge Transfer
accelerating innovation

cern.ch/knowledgetransfer

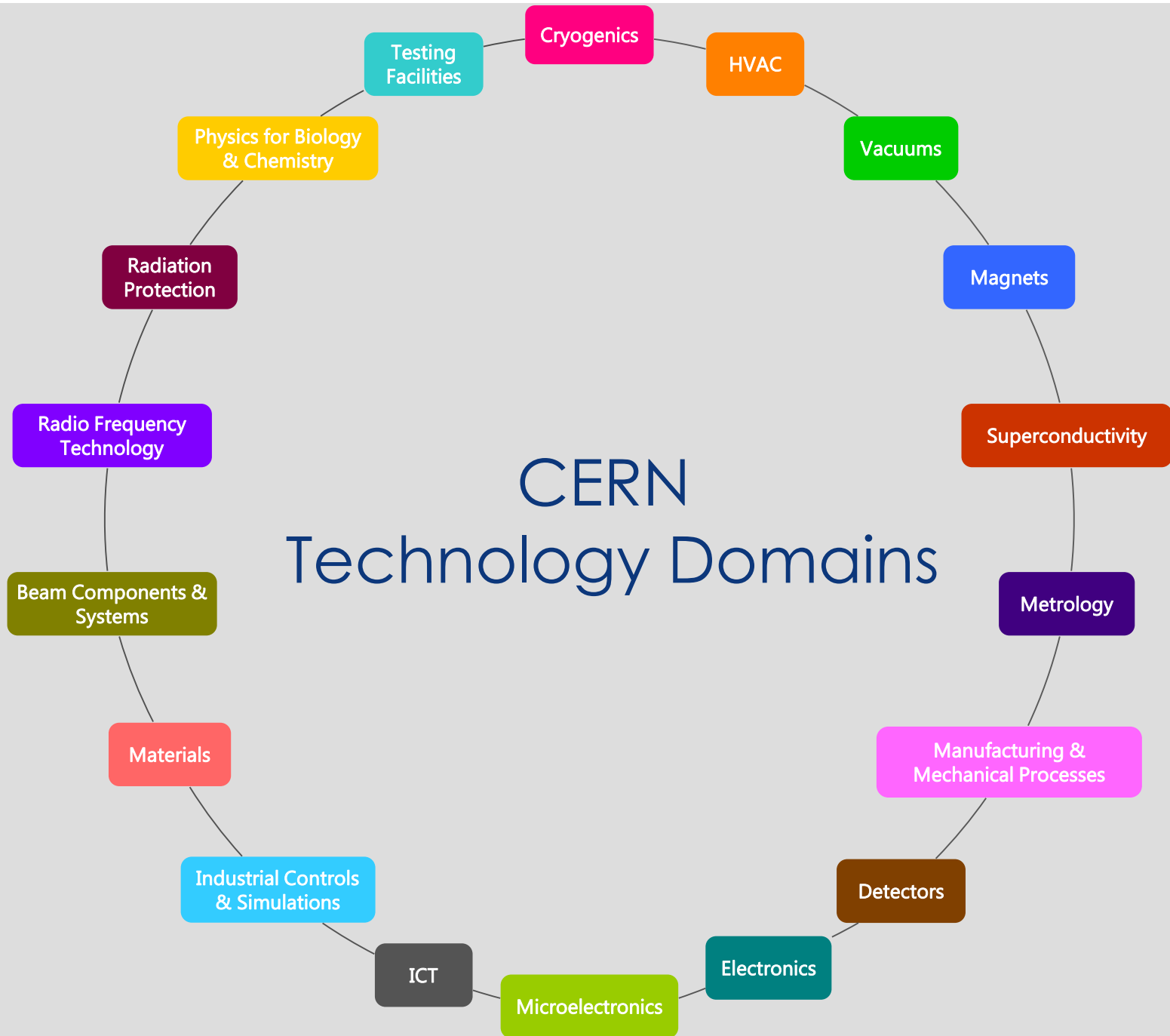
The KT Fund

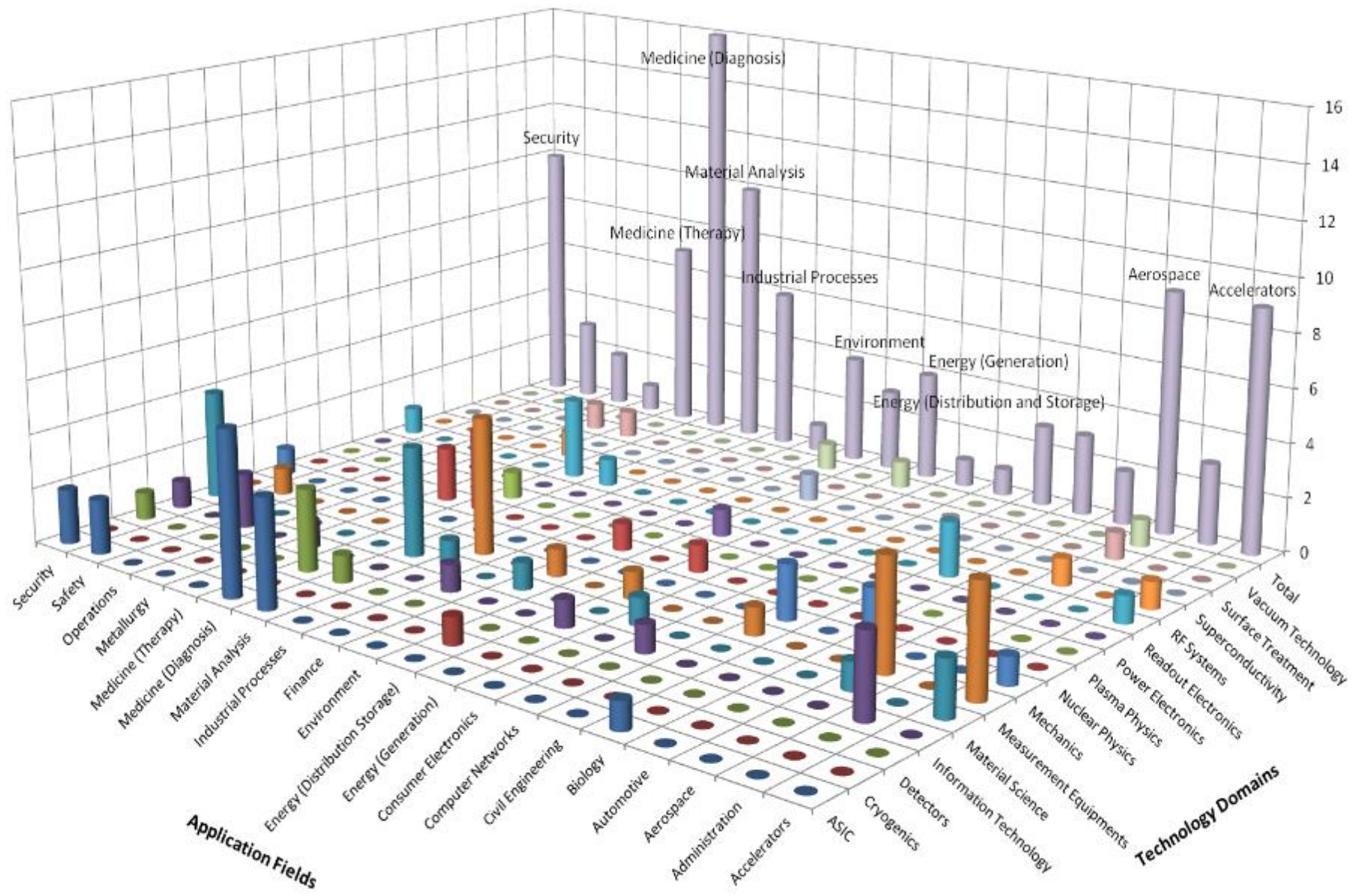
- Support & development for KT activities @ CERN
- Projects must have applications in domains outside high-energy physics
- Must be based on a CERN technology
- Proposals are submitted and applicants are invited to present their project to the selection committee
- Usually two deadlines per calendar year

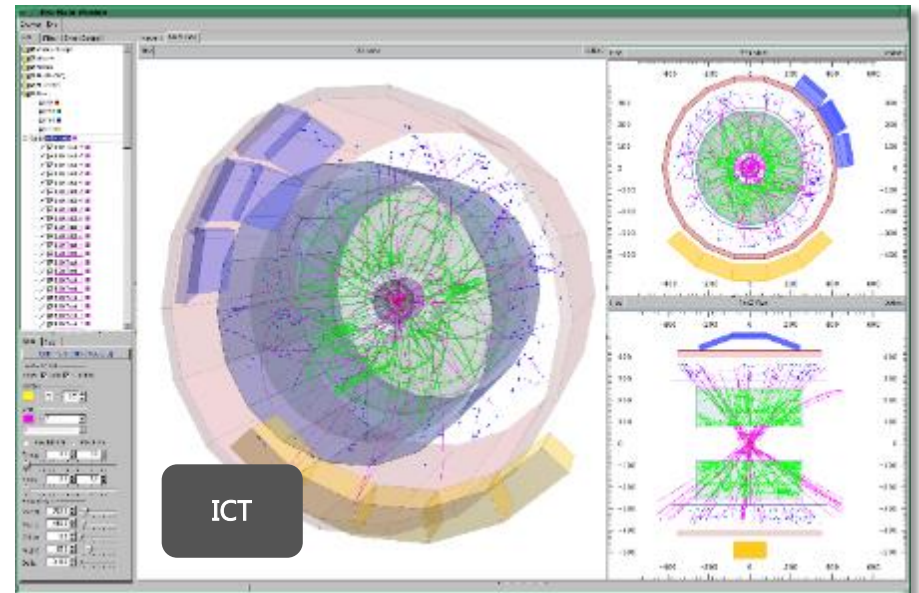
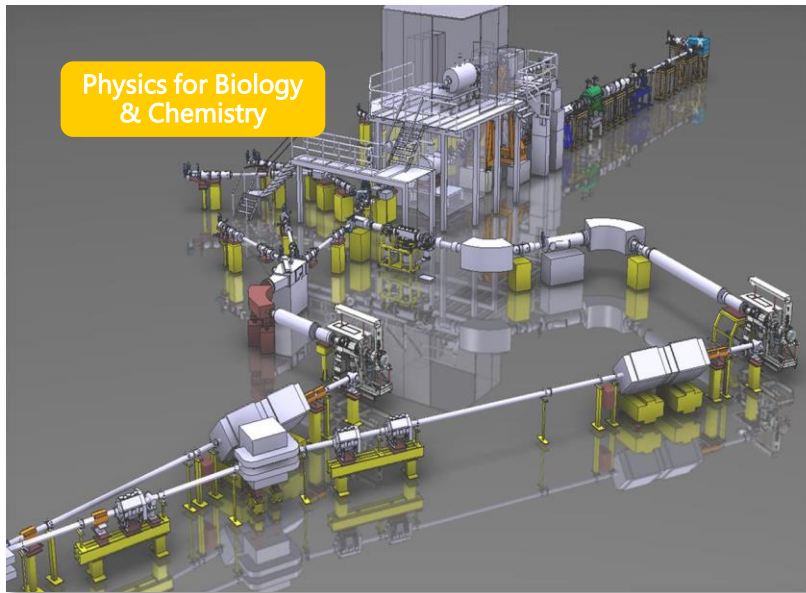
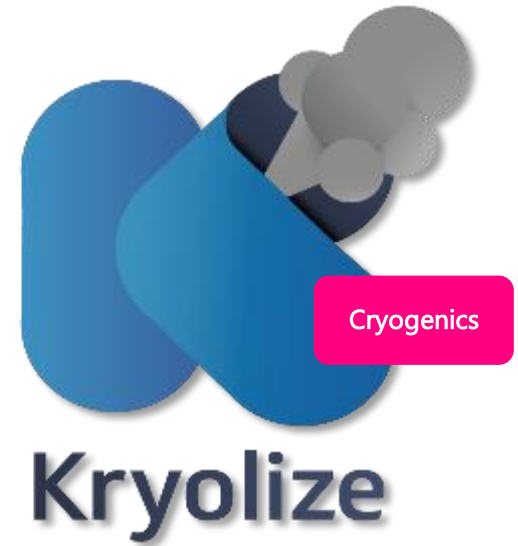
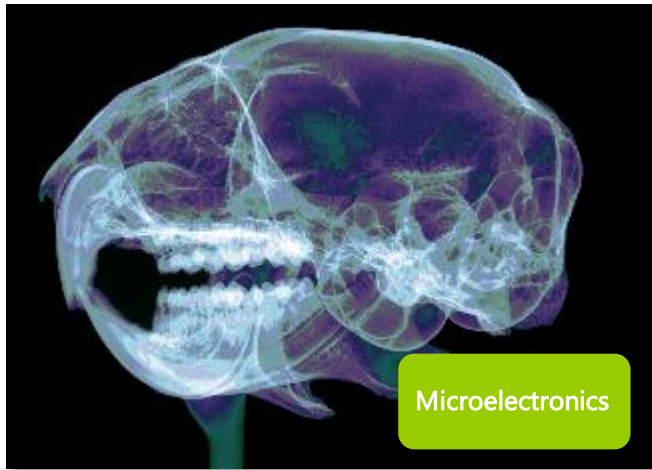
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CERN Technology Domains



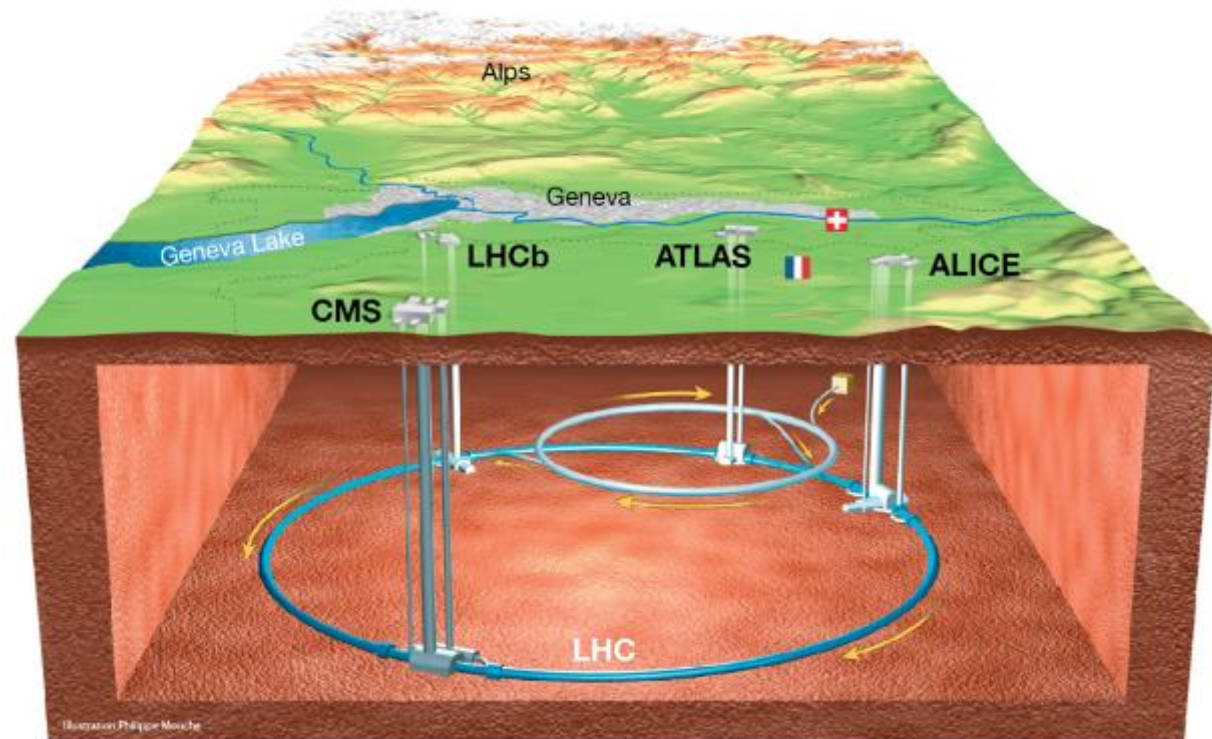




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- ✓ Outputs of the world's leading scientific research institute
- ✓ Research-developed and experimentally-validated technologies
- ✓ World-class infrastructures and facilities
- ✓ Possibility of using CERN labels for your branding and marketing





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GRACIAS
ARIGATO
SHUKURIA
JUSPAXAR
DANKSCHEEN
TASHAKKUR ATU
YAQHANYELAY
YAQ
SUKSAMA
EKHMET
TINGKI
BIYAN
SHUKRIA
THANK
YOU
BOLZIN
MERCI