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
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?
positive force for societal benefit

centre of excellence

sharing of technology
CERN innovation

open dissemination

protected dissemination

impact

quality of life

health

economy

education
Based on CERN’s core research
CERN core research domains

- accelerators
- ICT
- detectors
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HOW?
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.
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
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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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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Thank you