



Knowledge Transfer

Amy.Bilton@cern.ch

Knowledge Transfer Officer

IPT Department

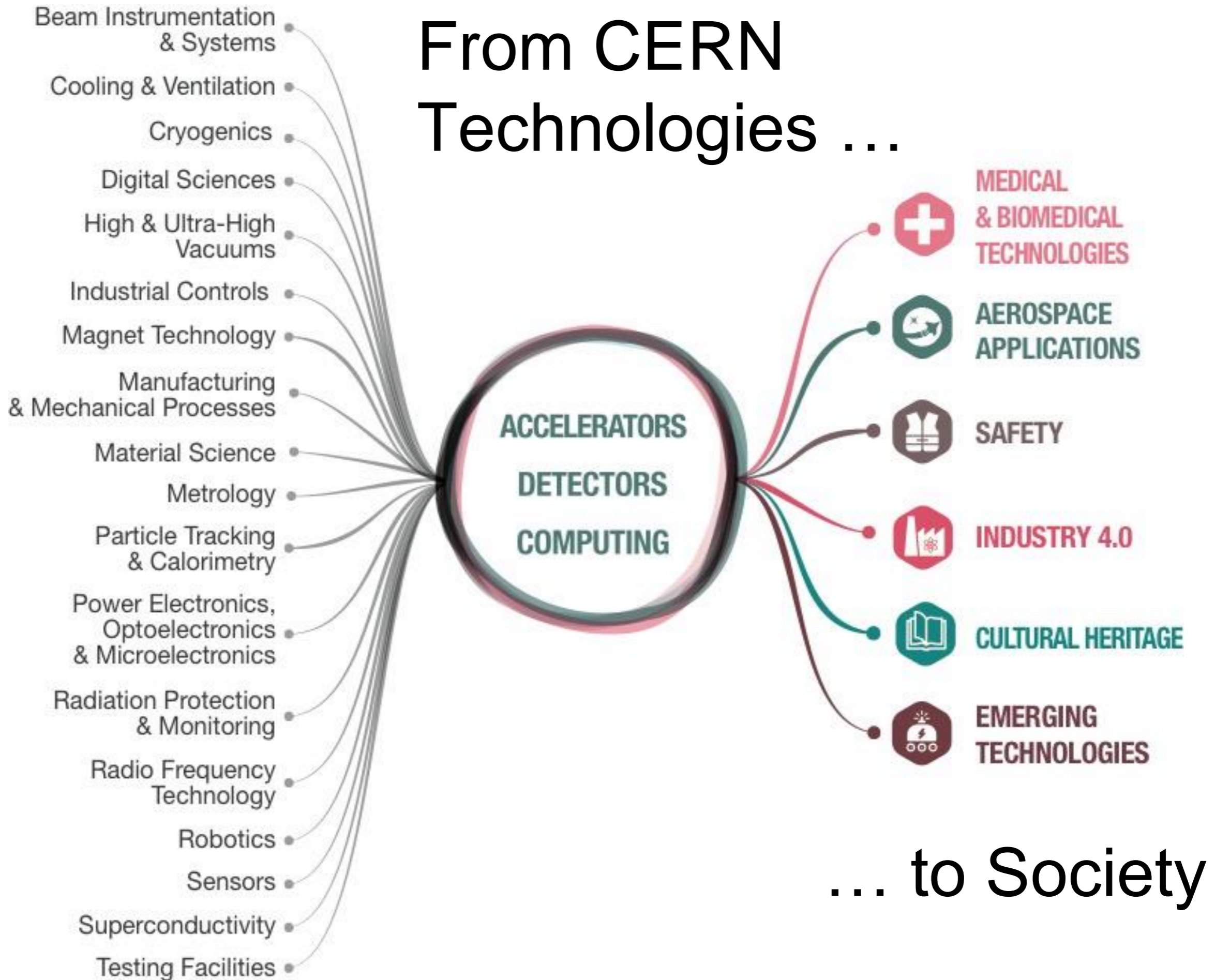
2018

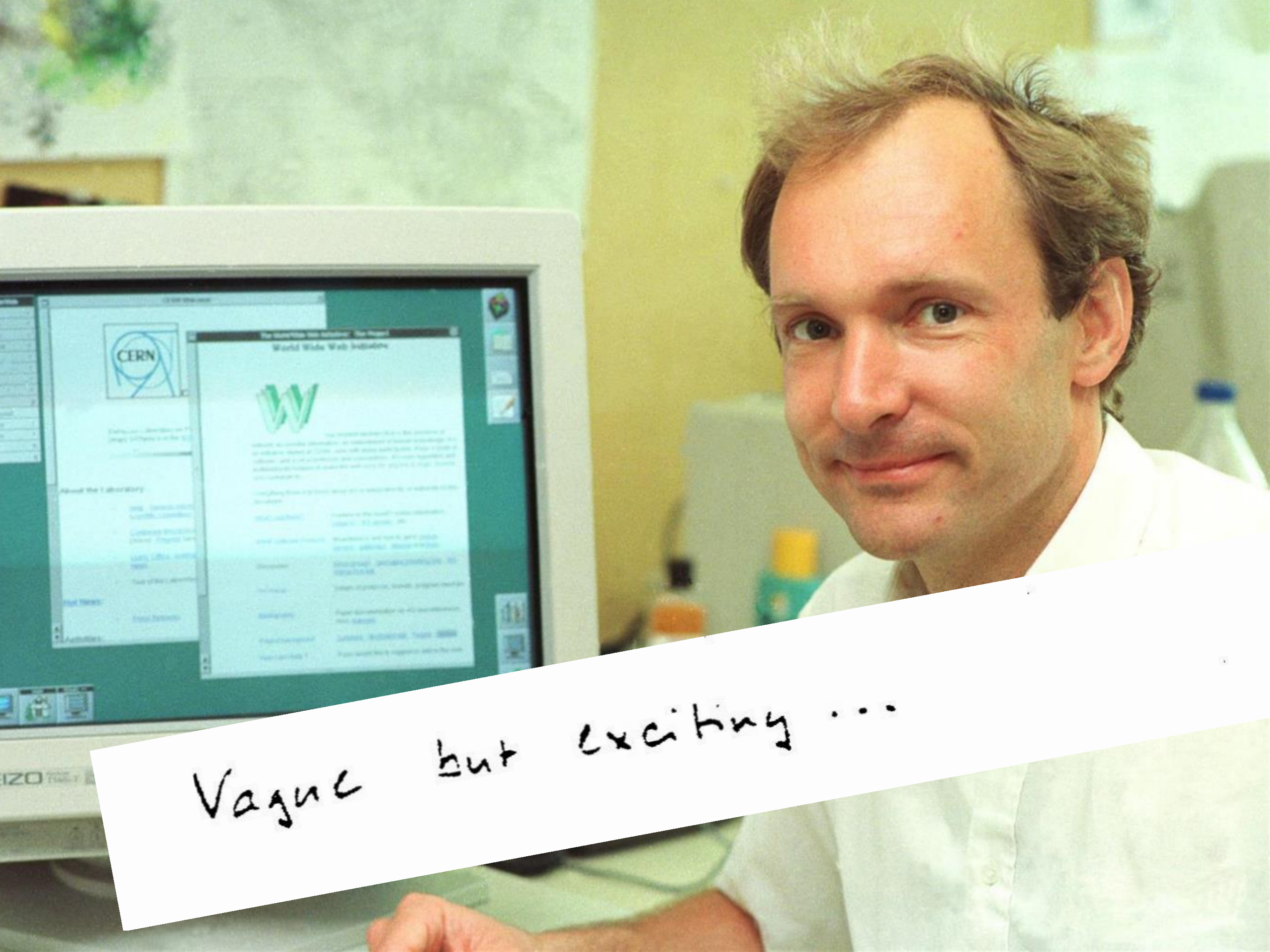


WORLD ECONOMIC FORUM

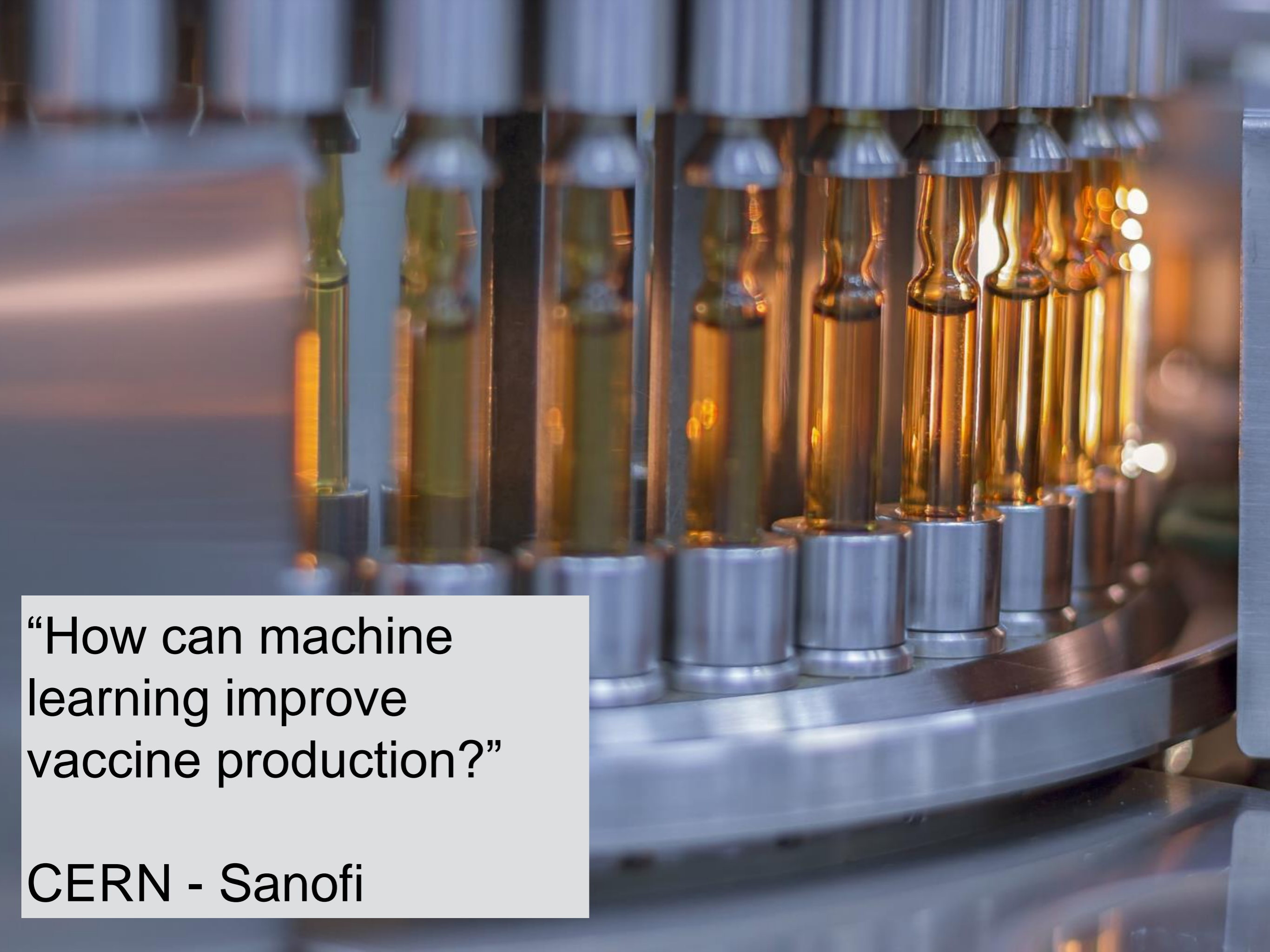
COMMITTED TO
IMPROVING THE STATE
OF THE WORLD

From CERN Technologies ...





Vague but exciting ...



“How can machine learning improve vaccine production?”

CERN - Sanofi



#EuropeForCulture

- Compact accelerator

- Medipix chip

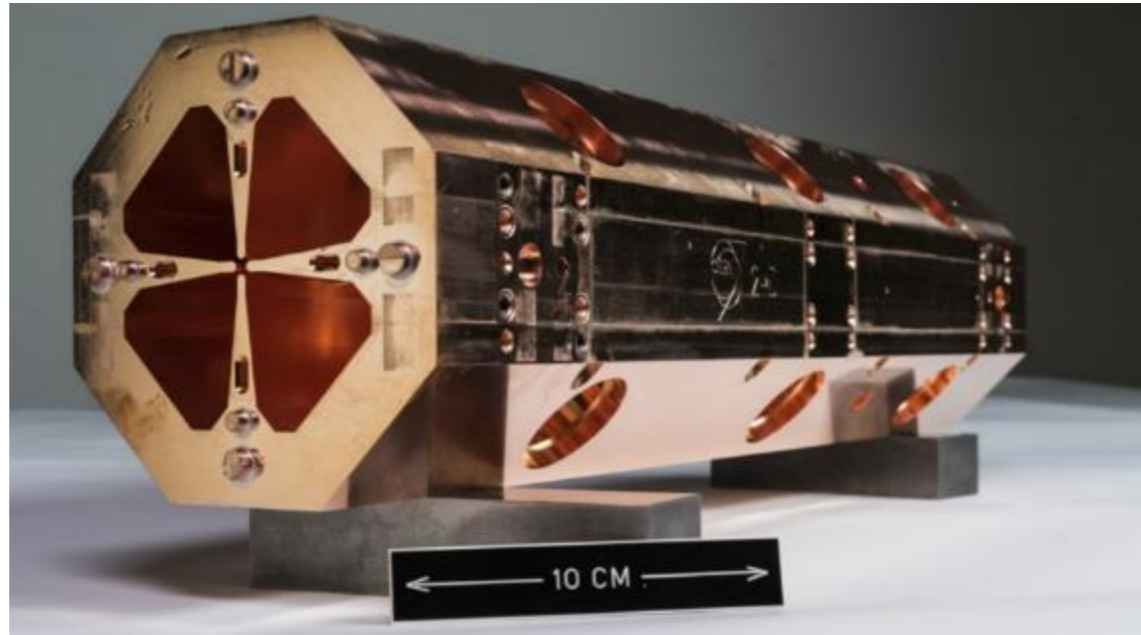


Centre Nationale
Etudes Spatiales -
CNES partnership
with CERN



Hadron therapy

Intellectual property status



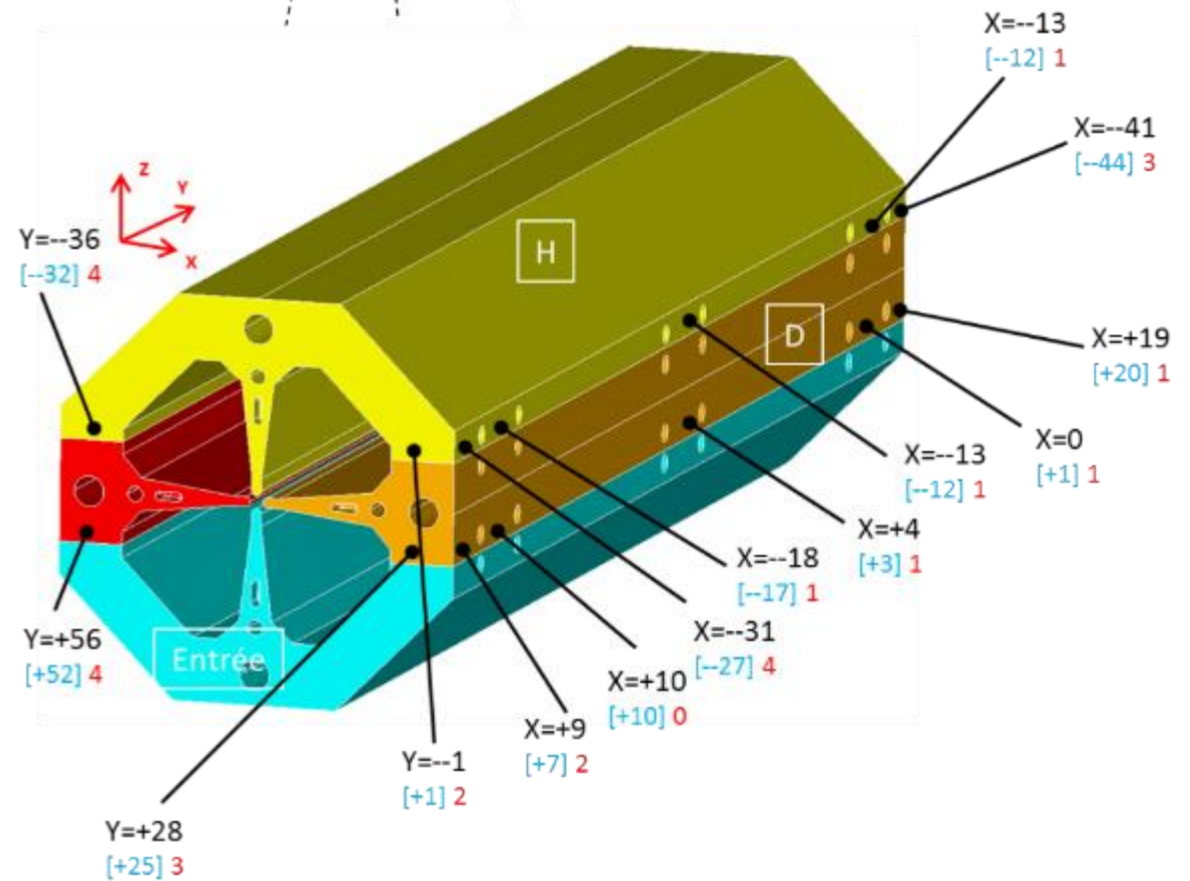
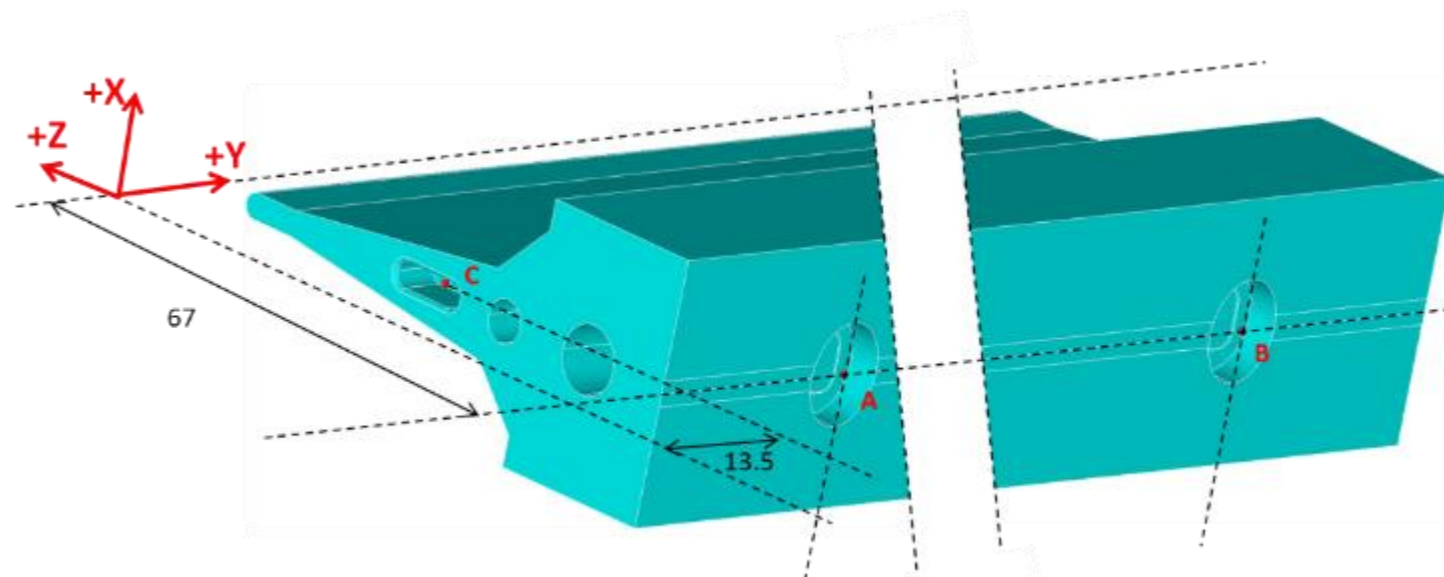
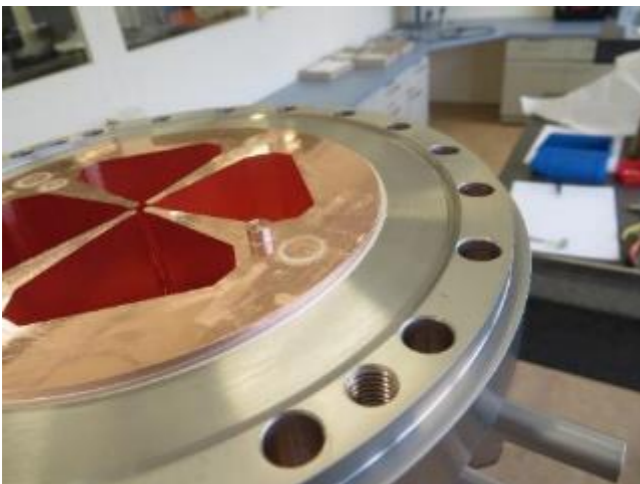
Patent application (ongoing)

- PCT filed on 14 August 2015.
- Published 18 February 2016.
- Entered regional phase in February 2017 in China, Europe, India, Israel, United States.
- CERN sole applicant.

Schematics (confidential)

- Detailed technical drawings.

Manufacturing & metrology ...shared today



Licence

- **Non-refundable lump sum** at conditions to be negotiated based on several criteria.
- **Ongoing royalties** will be asked on products commercialized using the HF-RFQ. Royalty rates are subject to negotiation based on the specific use & commercialization plan.
- Includes right to use “**CERN Technology**” label. The logo for CERN Technology, featuring the word 'CERN' in a blue circle above the word 'technology' in a blue, lowercase, sans-serif font, with a horizontal line separating the two.
- **Additional support may be provided** at the rate of 1900 CHF per expert per day, for Member States (higher rates apply for Non Member States). Support is always subject to availability of CERN resources and compatibility with its scientific program.

Joint R&D

- CERN will consider participating in joint R&D projects in cases where there are novel fields of application identified. Existing research projects already exist in the fields of proton therapy (with AVO-ADAM) and PIXE for analysis of cultural artefacts (with INFN).
- Participation in R&D and/or consultancy is always subject to availability of CERN resources and compatibility with its scientific program.
- Intellectual property arising from collaborative R&D is typically owned by the party which creates it, or jointly-owned if jointly-created.
- CERN aims to disseminate its technologies as widely as possible. For this reason, we do not seek to engage in R&D projects where the main objective is to redesign the HF-RFQ for the needs of only one customer. In these cases, a commercial licence for the HF-RFQ must be agreed, which may include a limited amount of consultancy on RFQ design.



[Find out more at kt.cern](http://kt.cern)
kt@cern.ch