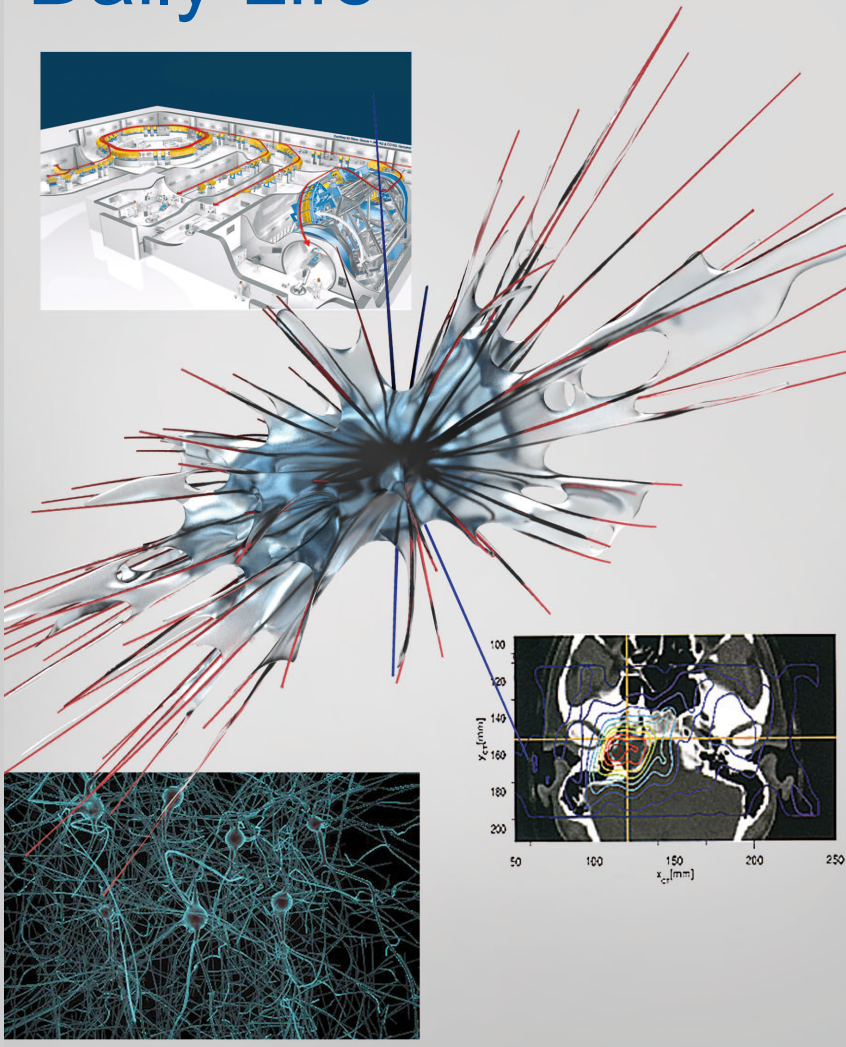
From Physics to Daily Life

Conclusion

From today presentations and from the books

Marilena Streit-Bianchi



Fundamental research and CERN

(Courtesy of CERN)

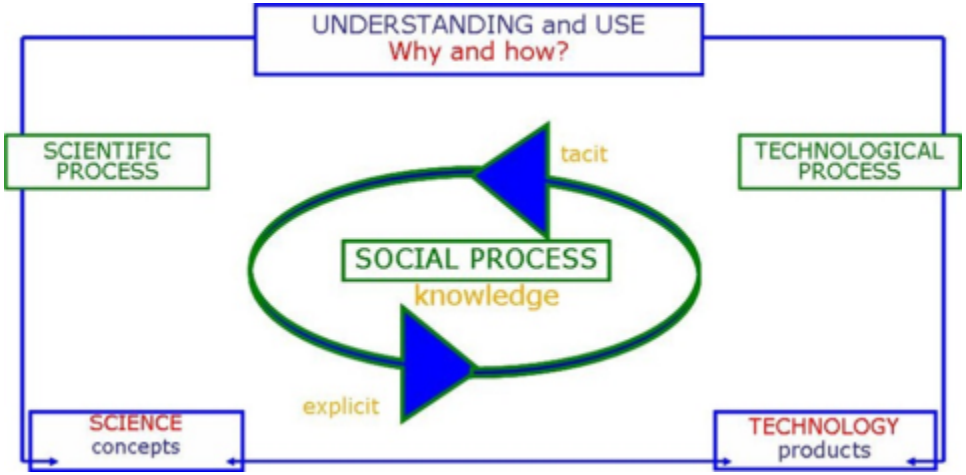
Fundamental Research is not a luxury, it can drastically modify the society we are living in contributing to our well-being.

The unknown of when and how knowledge acquired in fundamental research may be applied should not be a reason to reduce the financing of this type of research.

The most striking developments, new and useful technologies have come from it.

HEP achievements, both theoretical and practical, had repercussions, stimulated and impacted many sectors of our life.

Paradigm shifts and not simple evolution of techniques.



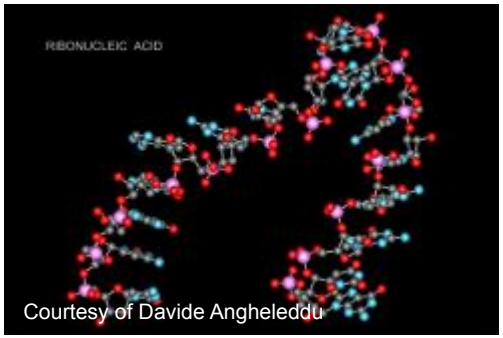
Courtesy of Beatrice Bressan

- Cancer treatment, Diagnostic (detectors, machines and instruments developments),
- 'Omics'
- Healthcare, Energy production, Environment

Big Data is not anymore important only in HEP

Big Data ↔ Personalised Medicine

EDUCATION
INTERNAZIONALIZATION



Courtesy of Davide Angheleddu

What we learned

The driving force behind the reported achievements has been and remains

- the wish to understand the why and how –

How important is **Fundamental Research** and **Knowledge Transfer** in the technological development

New insights hopefully will **be triggered** to search for new ways to facilitate the process of Knowledge and Technology Transfer (KTT) between:

- Researchers,
- Industry ↔ Researchers