

HIP –historic perspective

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HIP started operations on 1.9.1996

- establishment of HIP; why and how
- the initial mission of HIP
- some HIP developments during the past 25 years

Essential factors in the development

Research Institute for Theoretical Physics (TFT) was founded in 1964 as a national research organization at the University of Helsinki

Research in experimental particle physics at CERN began in the 60's at the Department of Nuclear Physics of the University of Helsinki

Finland became a full member of CERN in 1991

(Jorma Tuominiemi's book 2018)

In anticipation of the forthcoming CERN membership of Finland, the Research Institute for High Energy Physics (SEFT) was established in 1990 at the University of Helsinki

and similarly

at the Helsinki University of Technology the Institute of Particle Physics Technology (HTI) was established in 1990

to co-ordinate and nurture the university's contacts to CERN.

In early 90's Finland faced a severe economic recession and the University of Helsinki had a hard look into its spending and structure, Universitas Renovata reports 1993 and 1994.

There a merger of TFT and SEFT was proposed.

Town Meeting on 12.1.1995 (33 participants); national research institute for physics?

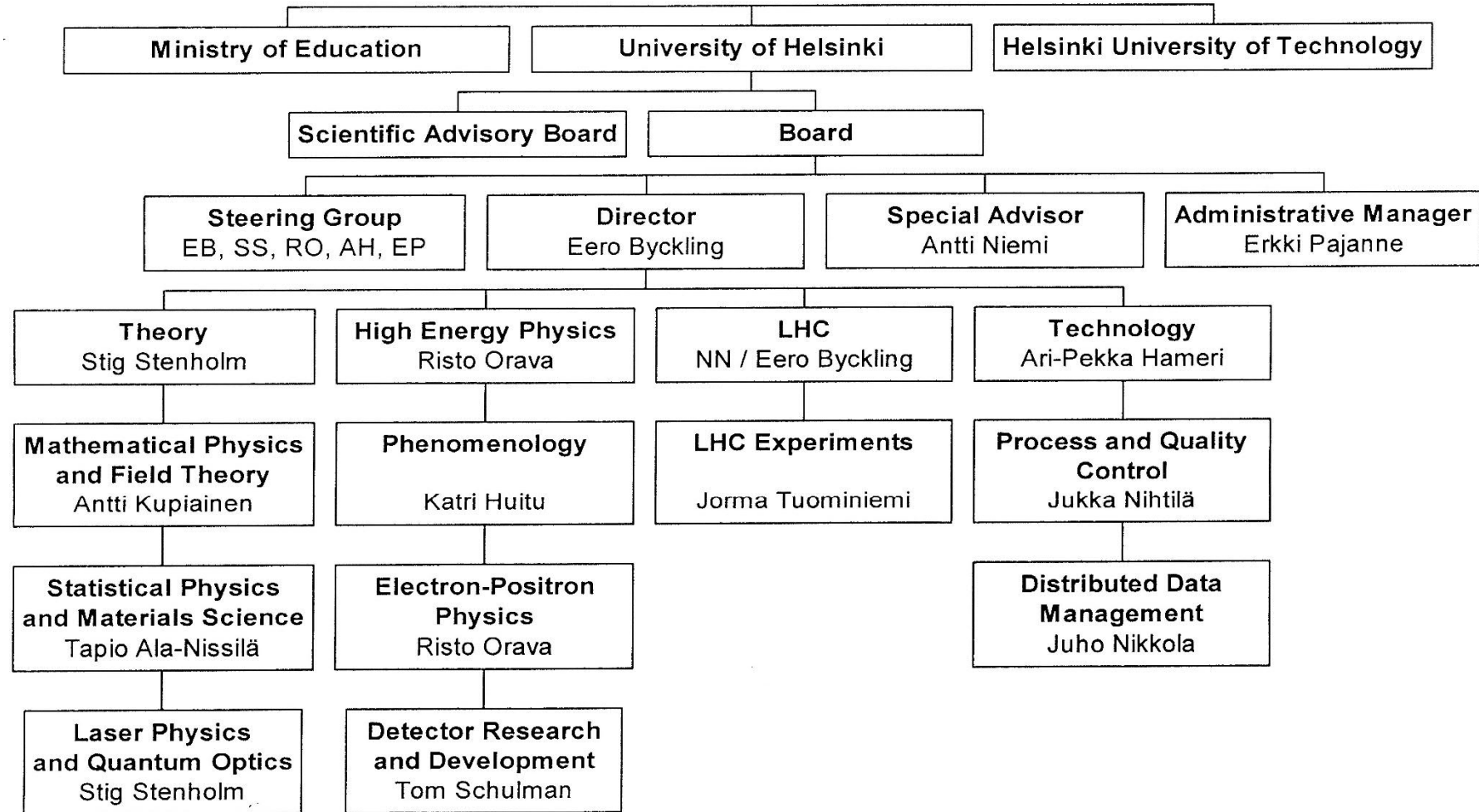
HTI to be added to the merger. Routti report 6.9.1995.

The Universities Acts did not recognize joint units of two or more universities and, therefore, new legislation was needed.

In 1996 the necessary legislative steps were taken and the President of the Republic ratified the law on HIP on 26.7.1996.

Initial mission: to carry out and promote basic and applied research in physics, to provide graduate education in physics, to take care of Finland's co-operation with CERN, to participate in other international research co-operation.

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Byckling Riska Äystö Eerola Huitu

1.9.1996
2002 JyU
2003 CERN strategy
2007 LUT
11.2008 TUT
2010 New law
2010 FAIR
2016 Faculty of Science
2018 STUK
3.2001 KUMPULA
8.1998 New law
10.2010 FAIR

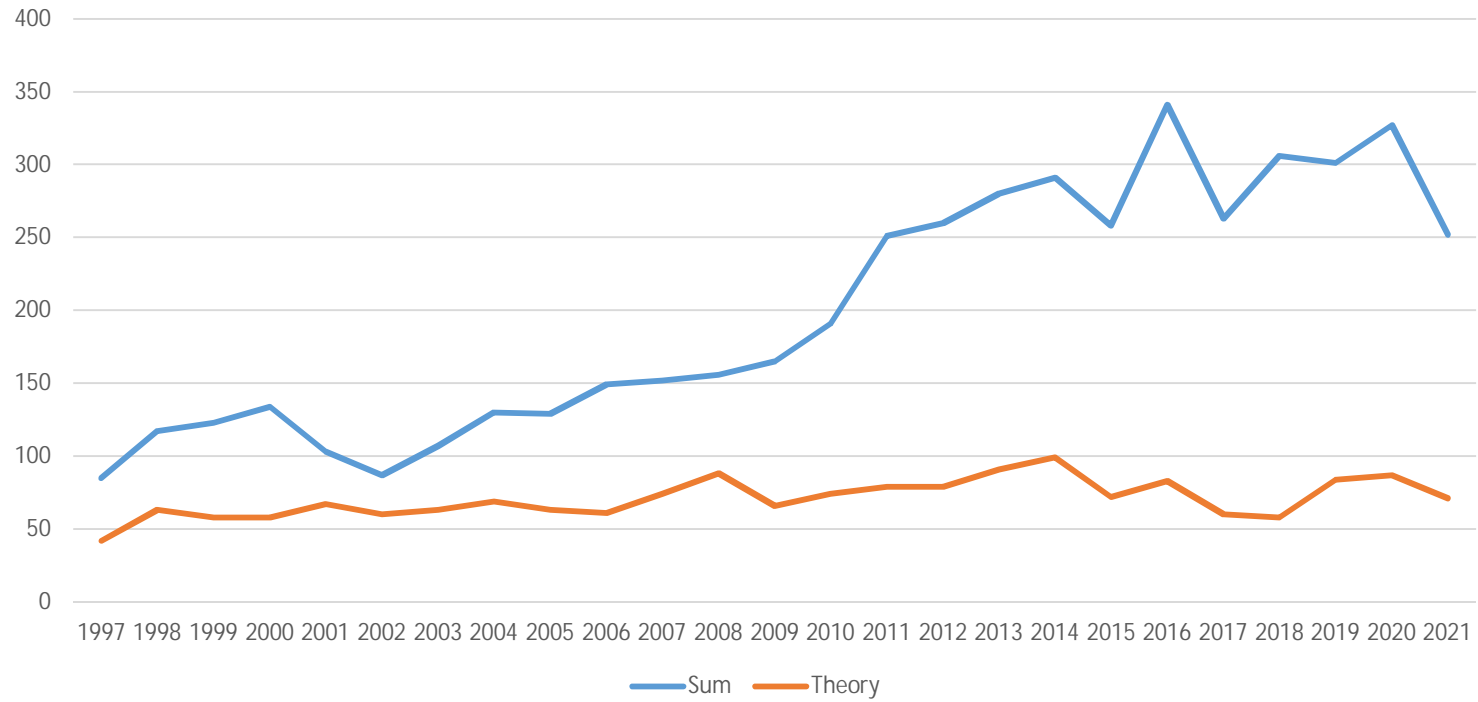
National CERN strategy:

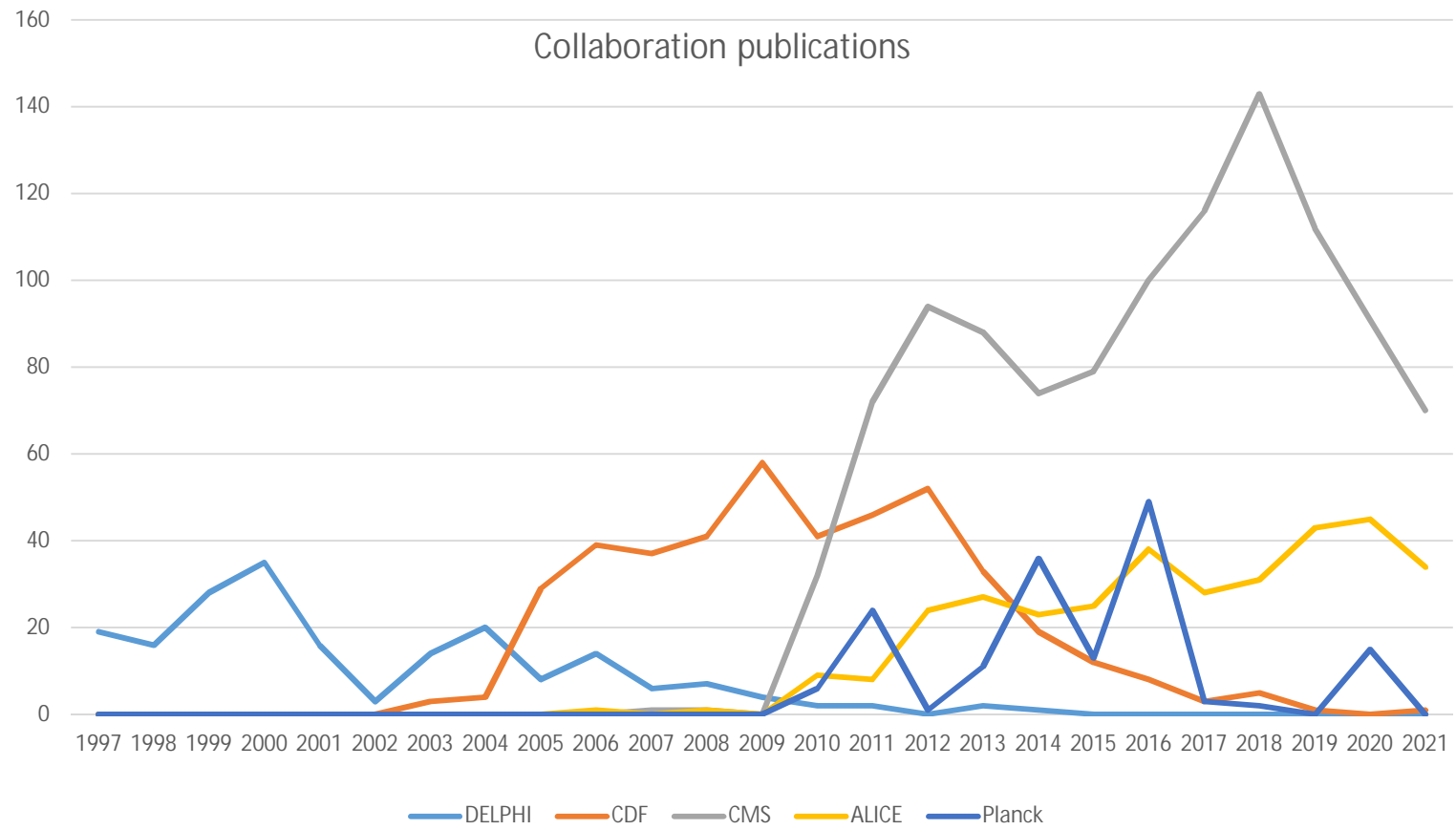
- basic research in forefront subatomic physics
- applied research associated with accelerator laboratories
- graduate training in physics and new technologies
- advancement of technology know-how of Finnish companies and the commercial utilization of CERN projects
- exploitation of CERN research in science education

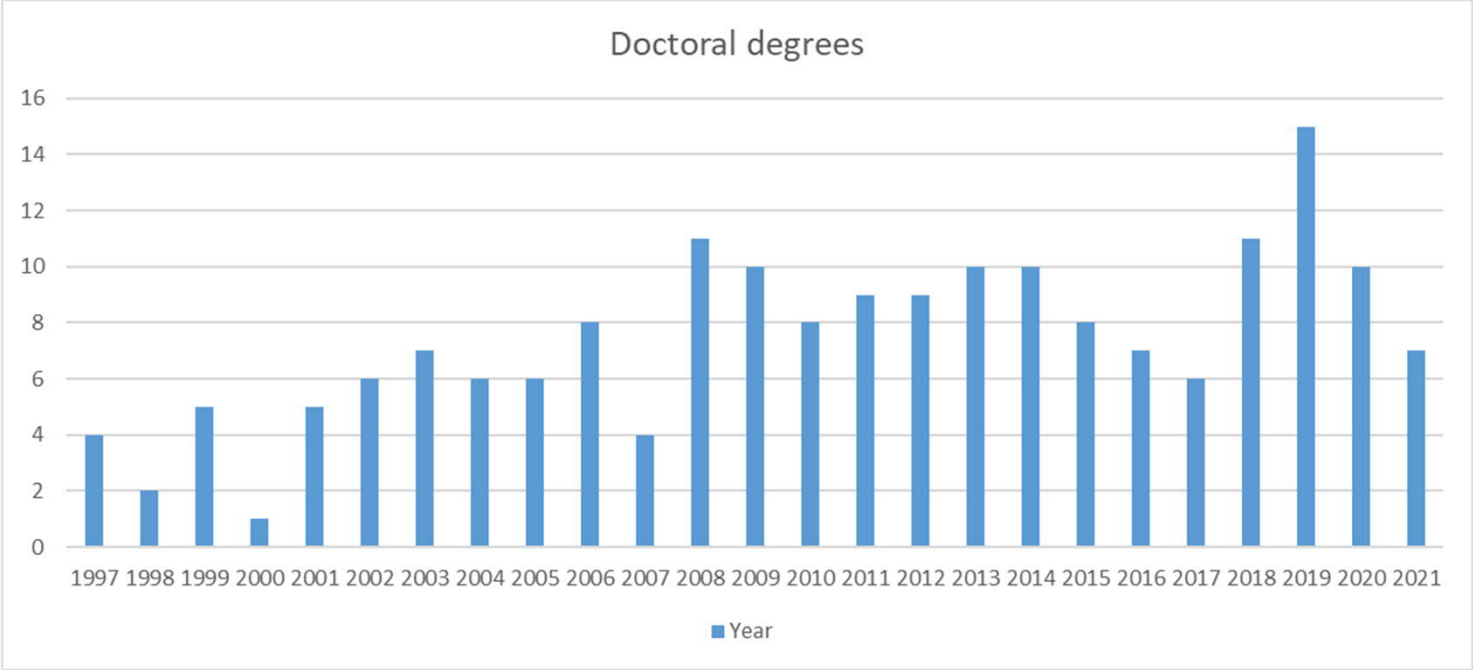
HIP track record:

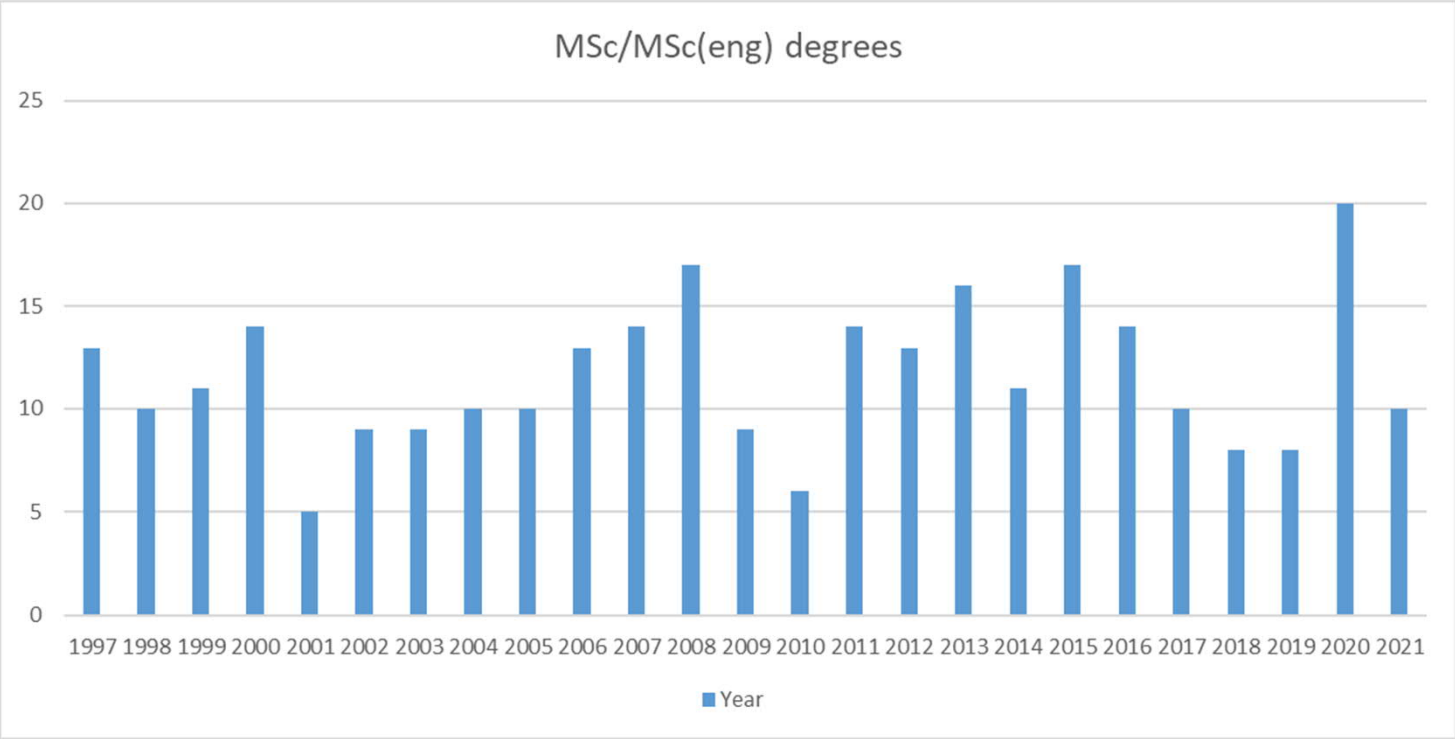
- scientific results and discoveries
- scientific publications
- education in undergraduate and graduate level; thesis work
- platform for gaining scientific merit
- societal impact; high school activities
- support of technology development

Refereed journal articles

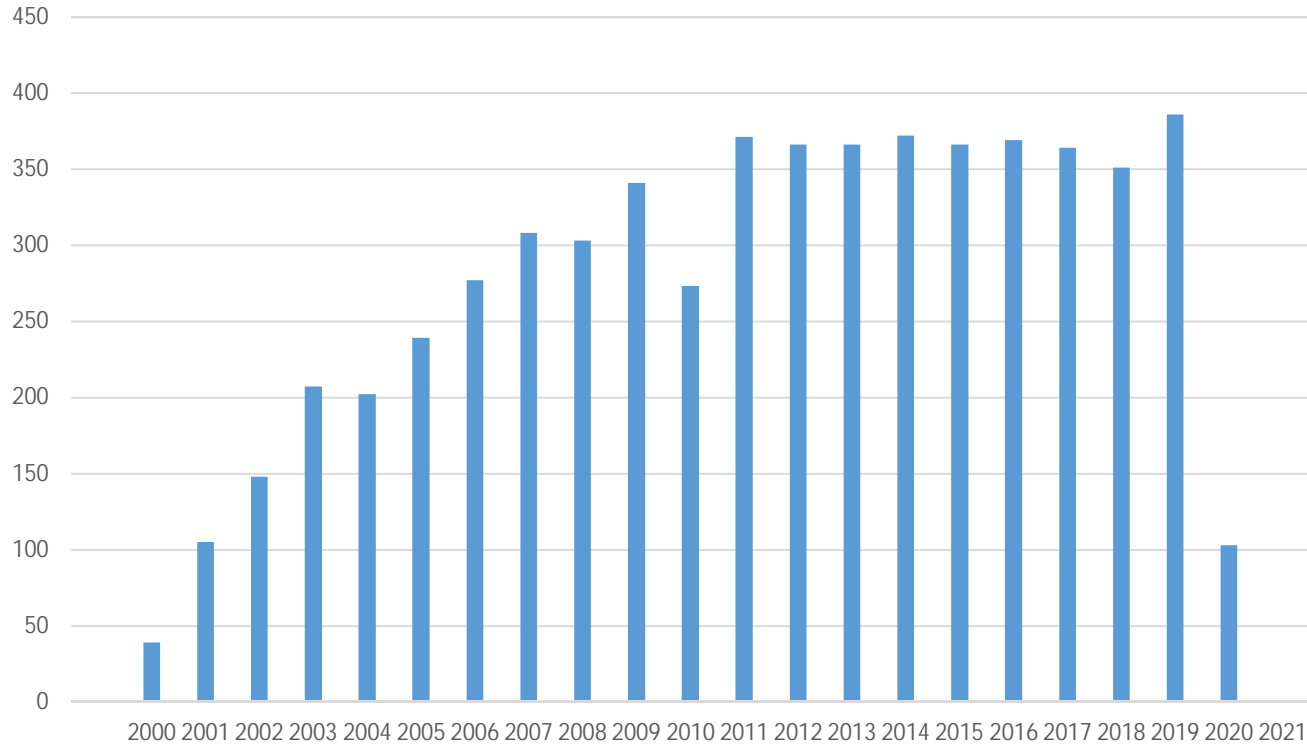








High school students visiting CERN



THANK YOU



Board meeting 8.3.2012