

CERN Outreach in the International Context

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Editorial Content Development Media and Press Relations Global Constituency Engagement **Education, Communication, and Outreach** Visitors and Local Engagement Teacher and Student Programmes **Audiovisual Production Service** Design and Visual Identity Service **Protocol Office Member States** Non-Member States **Stakeholder Relations Host States International Organizations** Partnerships and Fundraising



@CERN – A New Sector is Born

Education, Communication, and Outreach

Activities

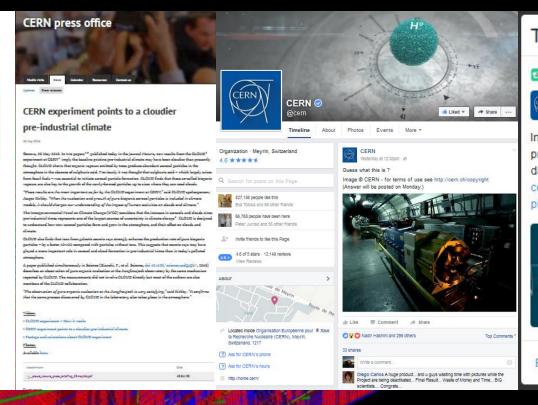














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Press & Media • Editorial Content









Creation of

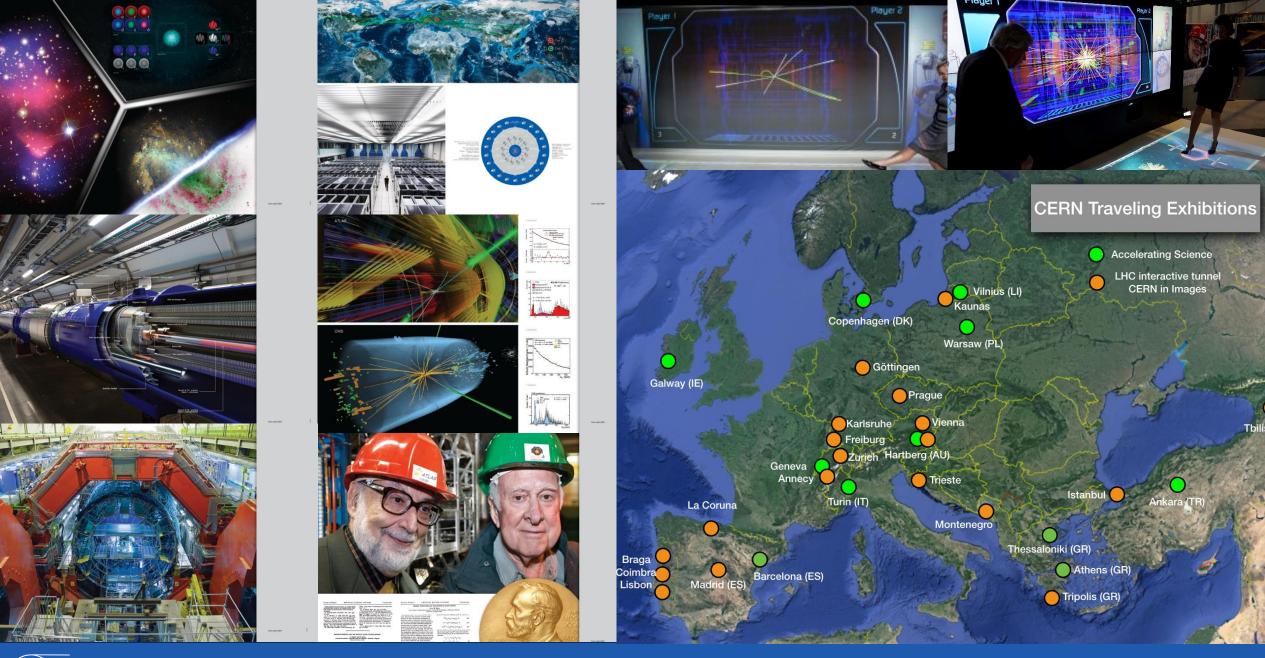
- immersive exhibitions
- interactive visits points



Universe of Particles

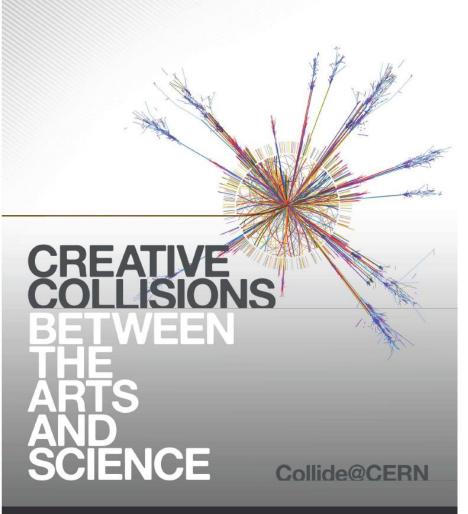
Global Constituency Engagement







CERN in Images • LHC Interactive Tunnel





Collide@CERN - 3 months residency • since 2011

- explores elements even more elusive than the Higgs Boson: human ingenuity, creativity, and imagination
- competitive open calls fully funded residency

Accelerate@CERN - 1 month residency • since 2014

- two artists from two different countries
- in cooperation with partner countries (e.g. Austria, Taiwan, Lithuania, UAE)

Visiting Artists programme – 1-2 days CERN visit

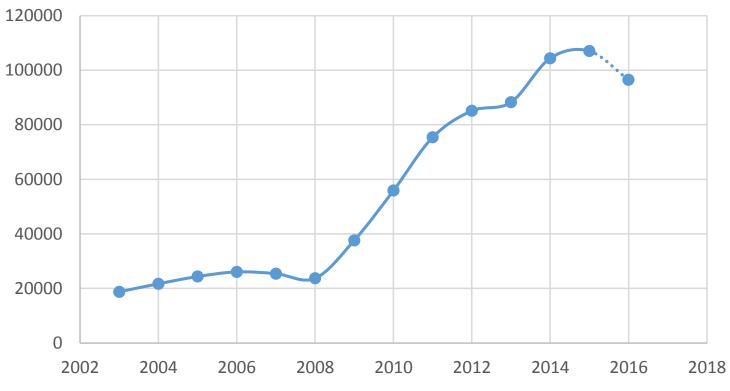
- up to 12 artists are invited on self-funded tours
- programme fully booked until 2017



Arts@CERN - Science & Art meet in three Ways



CERN Visits



Various activities for locals, regionals, and internationals at the CERN site.

Thanks for your support!



Visiting CERN • Local Engagement



"There is nothing more enriching and gratifying than learning." [Fabiola Gianotti, CERN Director-General]

Every year, CERN offers various professional development programmes for teachers to keep up-to-date with the latest developments in particle physics and related areas, and experience a dynamic, international research environment. All programmes are facilitated by experts in the field of high energy physics and include an extensive lecture and visit itinerary.

Furthermore, CERN's teacher programmes enable you to meet with teaching colleagues from your country or from all around the World. We offer teacher programmes in English or in one of the national languages of CERN Member States, lasting between 3 days and 3 weeks. Take part!

National Teacher Programmes & International Teacher Programmes



Teacher Programmes













National Teacher Programmes in the language of the country | 4-6 days

focus on visits and lectures

International Teacher Weeks in English | 2 weeks

ocus on visits and lectures



International Teacher Programme "HST" in English | 3 weeks

focus on collaboration



Teacher Programmes



What is S'Cool LAB?













HANDS-ON PARTICLE PHYSICS LEARNING LABORATORY

For high-school students and teachers International audience from more than 20 countries Independent experimentation in small groups





200 m² MODULAR LABORATORY SPACE AT CERN

State-of-the-art IT equipment incl. videoconferencing Showcase for experiments for schools linked to CERN's scientific programme and technologies





TEST BED FOR PHYSICS EDUCATION RESEARCH

Development and evaluation of student activities accompanied by research in physics education



Aims of S'Cool LAB





Make CERN's physics and technologies understandable to students through hands-on experimentation Give insights into the working methods, technologies, and research of the world's largest particle physics laboratory

Experiments



Particle Acceleration



electrons & electric fields



superconductivity



electrons & magnetic fields



particle traps

Basics & Applications





FRANCK-HERTZ experiment



PET



RUTHER-FORD experiment

PLANCK's constant

X-ray machines

Particle Detection



cloud chambers



scintillation detectors



pixel detectors (MEDIPIX)

ionisation chambers



... and many more to come

Education, Communication, and Outreach

Services



CERN Service Portal easy access to services at CERN Service Information Value Valu Audiovisual Production Service Contacts Audiovisual Productions Service The Audio Visual Production Service is part of the Education, Communications and audiovisual-requests@cern.ch Outreach Group (ECO) within the International Relations Sector (IR). Location: 510/R-035 Postbox: J19200 Its main mission is to produce engaging visual products (photos, videos, Video News Releases VNR, film, slideshows, photo-stories, live broadcasts....) in line with CERN's Catalog navigation education, communication and outreach priorities for a variety of target audiences (general and specialized). 🐼 Knowledge, Scientific Information, Text and Media Another important mission of the Service is to document milestones of CERN's life, CERN Official Communication people and history with photography and video, for archival purposes. Audiovisual Production The Service also supports other Sectors with professional expertise in video/photo SE CERN Core Website and Social Media Services production. CERN Graphic Design Guidelines Service Actions SE CERN Writing Guidelines Audiovisual Production request form Request Service Special Event Coordination



Audiovisual Production Service

International Relations

Protocol ... a very special visits service ...







Protocol – A very special Challenge



two "big" outreach events coming up these years

 OpenDays in 2019 during LS2 (May or October)

one new event format in 2017 stay tuned!



