



High School Students Internship Programme

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HSSIP 2018 Coordination Meeting
8 November 2017



International Relations
Relations internationales



HSSIP at a glance

“There is nothing more enriching and gratifying than learning.”

Fabiola Gianotti, CERN Director-General

- Five countries
- Up to 24 high-school students (16 years+)
- Two accompanying teachers
- One national coordinator in the country and one at CERN
- 12 supervisors
- Two weeks internship at CERN

The students have the chance to gain practical experience in science, technology, and innovation.



HSSIP 2017

In 2017 – pilot with 5 countries successfully passed



Hungary: 21 May – 03 June



Portugal: 03 – 16 September



Bulgaria: 03 – 16 September



Norway: 15 – 28 October



France: 22 October – 03 November



HSSIP 2018



Czech Republic



Israel



Poland



Sweden (28 October – 10 November 2018?)



The Netherlands



Objective

- hands-on opportunity in an international research laboratory
- instilling scientific curiosity
- motivating high-school students to take on a career in science, engineering, or another subject related to fundamental research



Requirements - Students

- Up to 24 high-school students from all over your country
- Age: 16 years+ (student must be enrolled in high school)
- Selection process – overseen by CERN but executed within the country – must be fair and transparent



Requirements - Teachers

- Two accompanying teachers:
 - experience with school trips
 - alumni from teacher programmes
 - one female & one male
 - one emergency stand-by replacement (could be a user?)
- Travel with the students and stay with them at the hostel
- Run the social programme



Requirements – National Coordinator in Country

- Liaison to country representatives (incl. addressing relevant national regulations, advertisement of the programme, selection of date for the internship ...)
- Owns and supervises selection process (students & teachers) in the country
- Organises (group-) travel for the students & teachers
- Coordinates administrative actions with participants



Requirements – National Coordinator at CERN

- Recruitment of 12 supervisors (recommended: 1 additional fall-back option) and related projects
- Assisting with the frame programme – link to the HSSIP team
- Finding guides – speaking the national language – for the scheduled visits
- First point of contact for the students & teachers during the two weeks internship at CERN



Services – HSSIP Team

- Overall coordination of the programme
- Organisational tasks (website, hostel, registration, access, visits, social programme...)
- Emergency contact during the programme



Proposed programme

Sunday (*week 0*)

- arrival and welcome

Monday (*week 1*)

- introduction to CERN, safety courses, formalities
- start at the workplace

Tuesday-Friday (*week 1*)

- daytime: work at the designated workplace
- evening: social programme or free time

Weekend (*week 1*)

- social programme or free time

Monday-Thursday (*week 2*)

- daytime: work at the designated workplace
- evening: social programme or free time

Friday (*week 2*)

- presentations of their work and achievements

Saturday (*week 2*)

- departure



Budget

- Up to 500 CHF / person for travel
- Hostel rooms (double rooms for students, single rooms for teachers)
- 36 CHF daily meal allowance / person (in vouchers)
- Programme Dinner (traditionally cheese fondue)
- 2 weeks pass for public transport in Geneva
- Gift bag for each student & teacher



Feedback from national coordinators

- Alumni HST or NTP teachers are great accompanying persons
- High-school teacher programme in parallel limits the availability of supervisors and guides
- Same during vacation time in Switzerland & France
- “stand-by” replacement for teachers and / or supervisors needed
- Student & project mapping important
- More information on CERN context
- Broad range of projects interesting for the students



Feedback from participants

- Changed my view of “what scientists do”
 - Impressed by the international, collaborative work
 - Relation between science / particle physics and other disciplines more clear now
 - Importance of computing knowledge
- new high-school student ambassadors for CERN!



Next steps

- Nomination of national coordinators (in country and at CERN)
- Proposal of internship dates
- Setting up of individual meetings with HSSIP team





Backup slides



Application process

Hungary

- teachers suggested their best students
- 50 applications received

Portugal

- Open call from Ciencia Viva (national agency for the promotion of initiatives for the public awareness of Science and Technology in Portugal) – Motivation letter & web-form

Bulgaria

- Open call – Recommendation letter & web-form
- 326 applications received

Norway

- Open Call – motivation letter
- 150 applications received

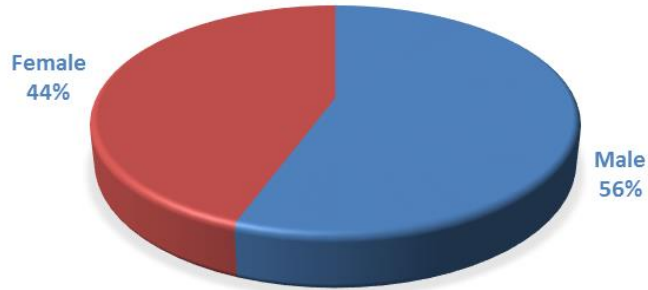
France

- Open Call – motivation letter, recommendation letter, video, web-form
- 140 applications received

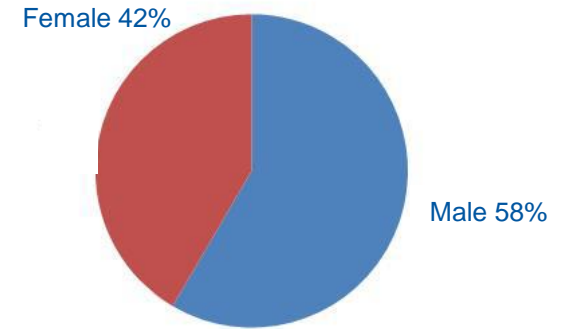


Statistics – Gender Distribution

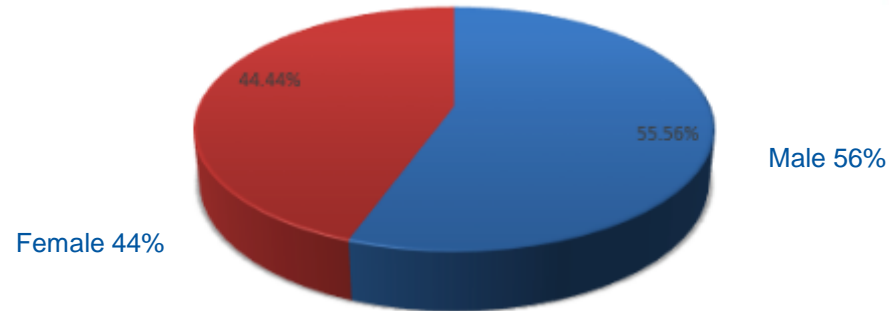
Norway



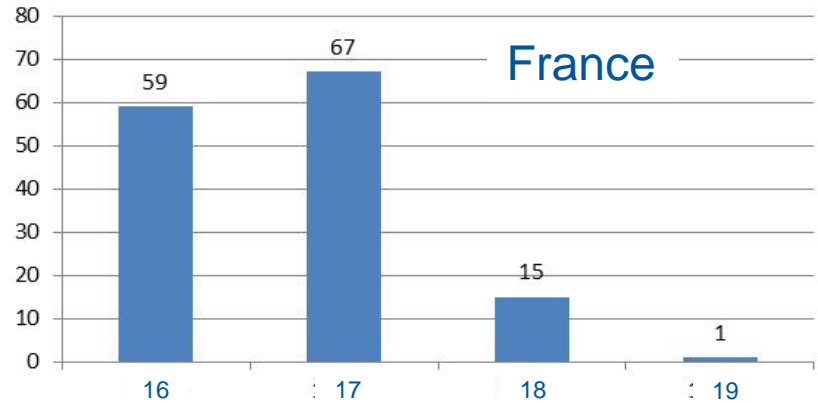
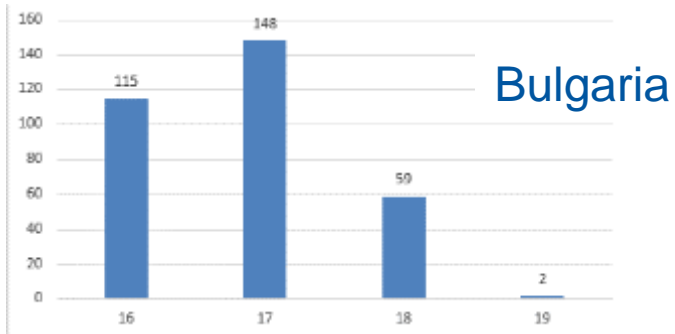
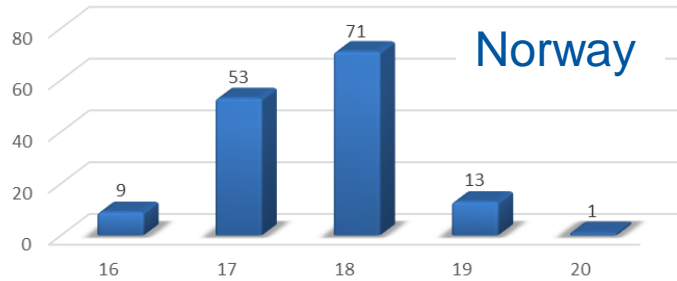
France



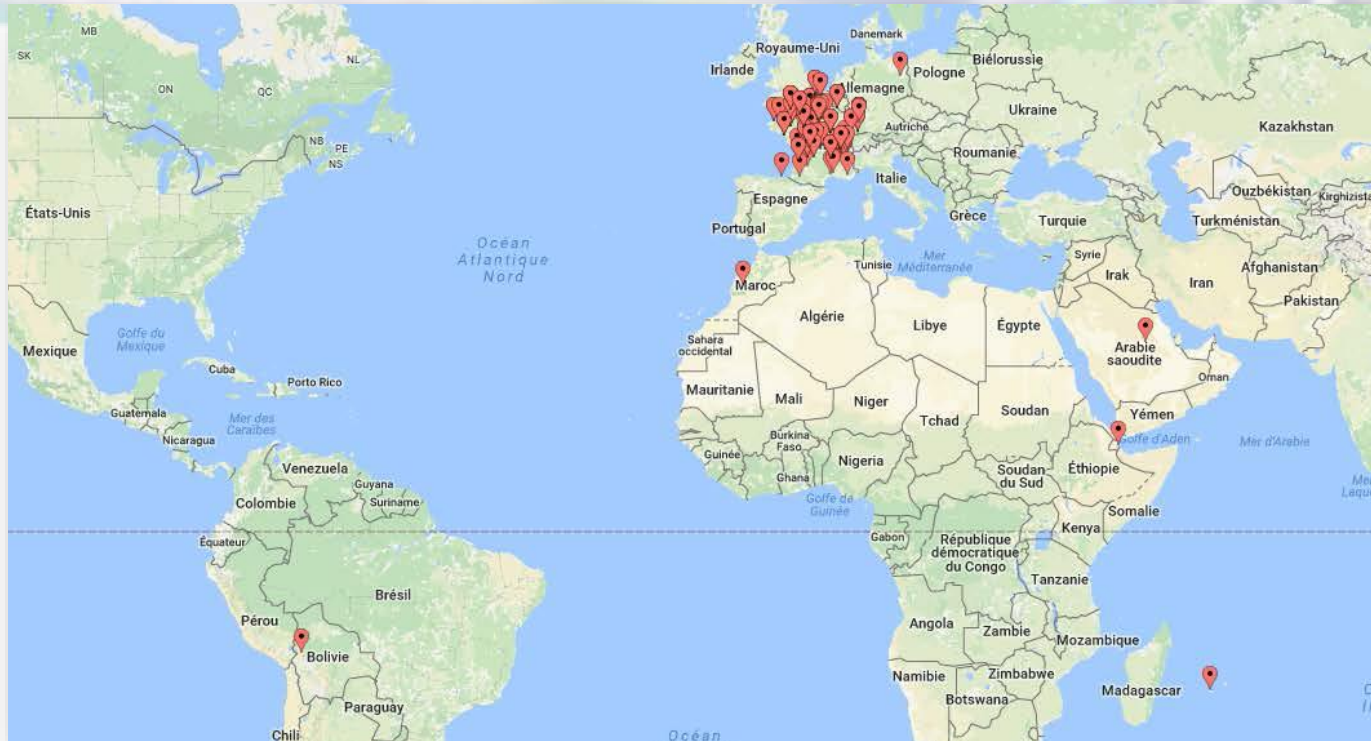
Bulgaria



Statistics – age distribution



some highlights - France



Past HSSIP Programmes



Hungary
21.05.-03.06.



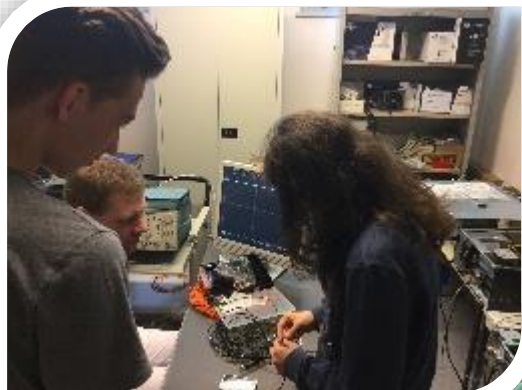
Bulgaria
03.-16.09.



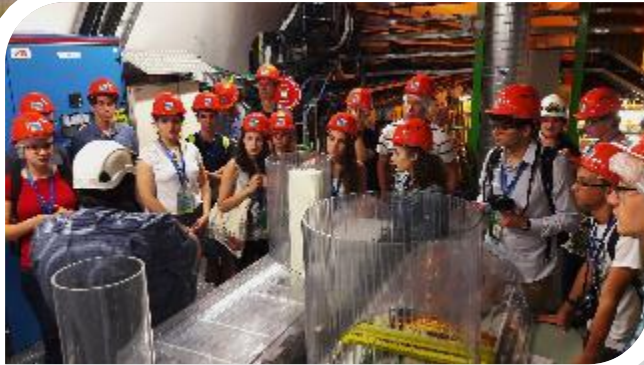
Portugal
03.-16.09.



Shadowing time



Visits & S'Cool LAB



Social activities



A special event...





Thank you!

The HSSIP team



International Relations
Relations internationales

