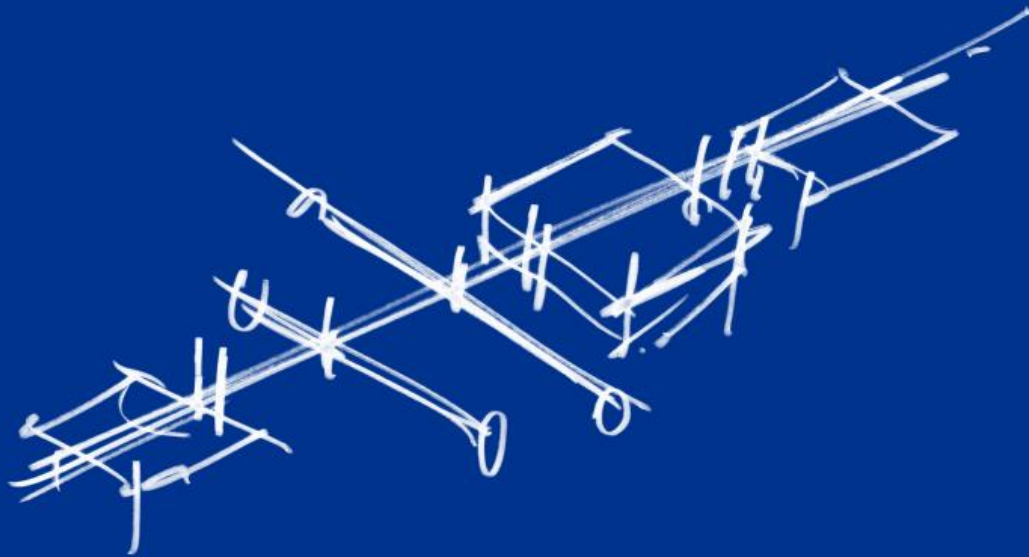


CERN SCIENCE GATEWAY



Project brief

CERN's visitor centre to promote science, technology, engineering and mathematics to a wide audience(300k visitors/y) of all ages.

The centre will offer multipurpose spaces on a floor area of 7'000 m²:

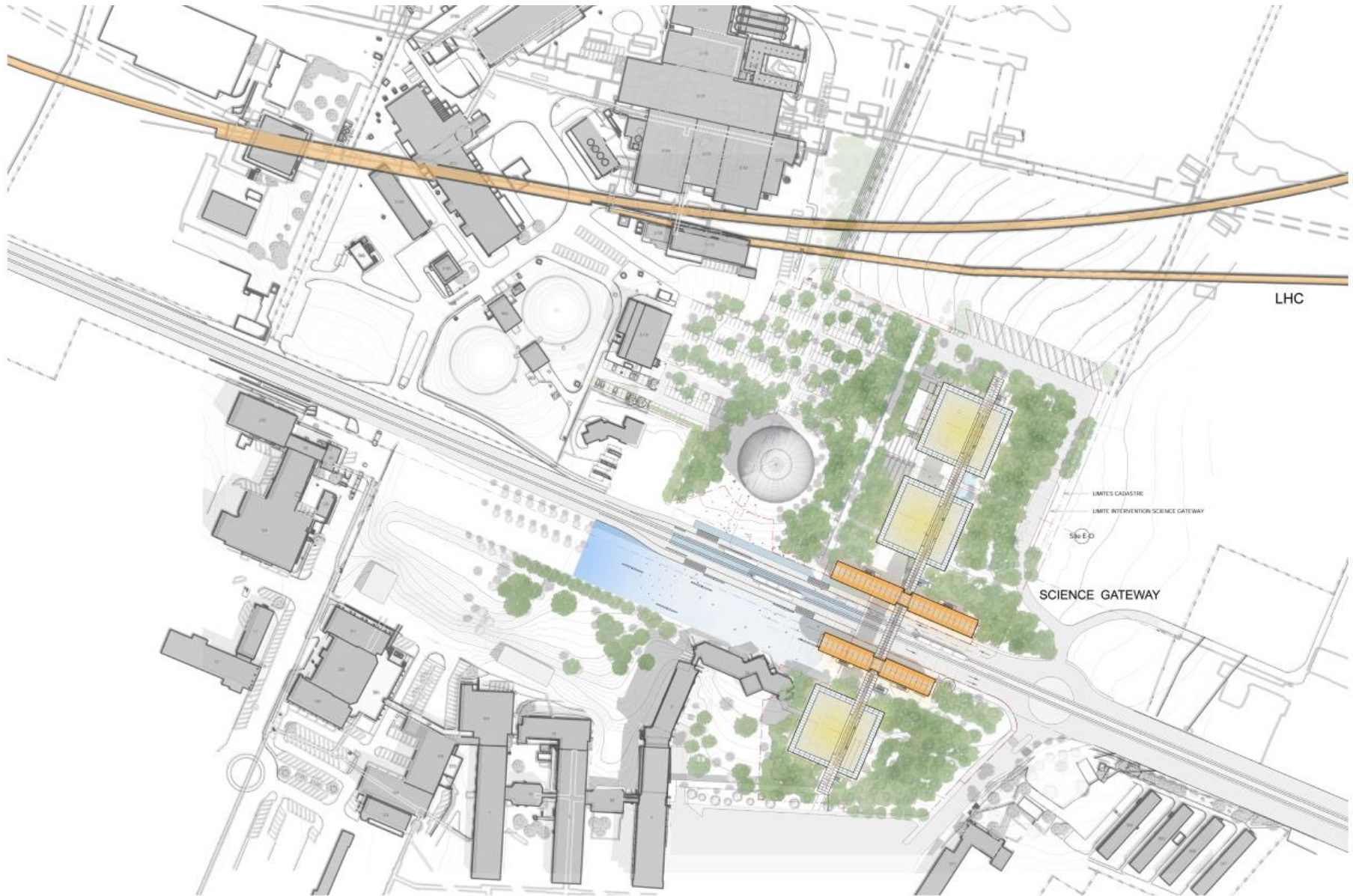
- Exhibition areas
- 900-seat auditorium
- Educational Laboratories for school groups
- Welcome reception and a shop
- Restaurant
- Outdoor spaces

Other specificities and challenges

- Special permitting required
- Integration with the Esplanade des Particules and the Globe of Science and Innovation
- Enhanced flexibility for multi-purpose usage
- Very high energy performance certification + Carbon neutral
- Fully funded by donation

2018...





LHC

LIMITES CADASTRE
LIMITE INTERVENTION SCIENCE GATEWAY

Site E/D

SCIENCE GATEWAY

2023 !



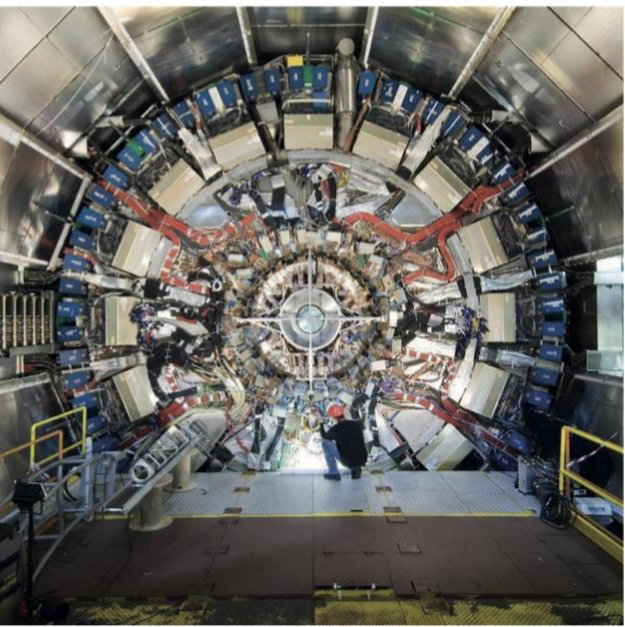
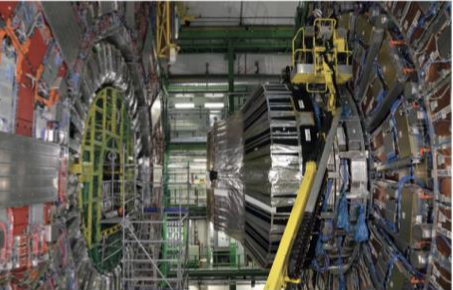
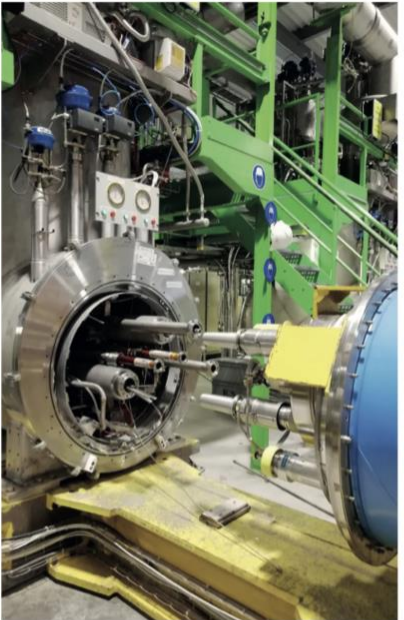
A vision

- Promote STEM to contribute facing tomorrow's challenges
- Inspire the youngest generation (as of 6 years old)
- Science museum where fundamental research takes place
- Hands-on experience and meeting scientists & engineers
- Not just a building but a campus

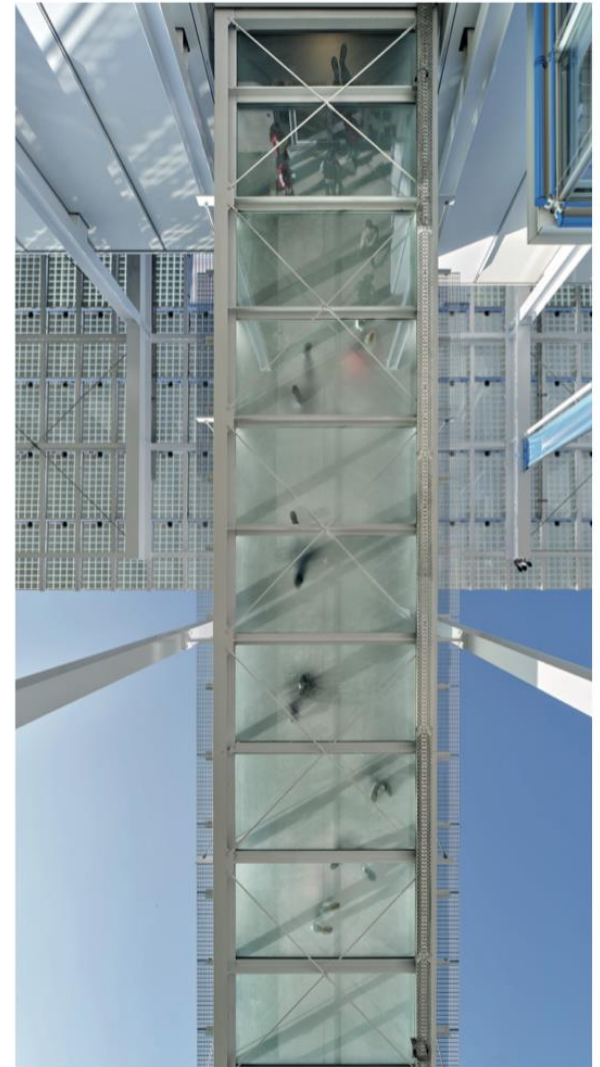
Inspiration

ATLAS
A LHC EXPERIMENT
<http://atlas.ch>

Run: 20113
Event: 3762200
Date: 2012-06-18
Time: 11:07:47 CEST

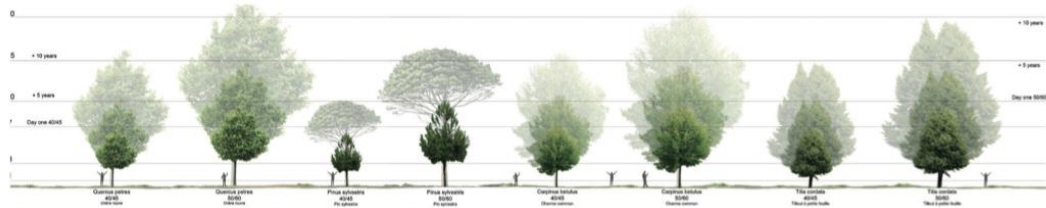
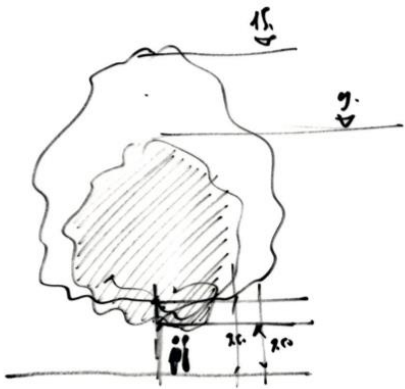


Some poetry...



"How to draw a tree" by Renzo Piano

- Always big
- Always tall
- Always beautiful
- Always proportional
- Always green
- Never with Revit



Populus Alba



Sorbus Aria



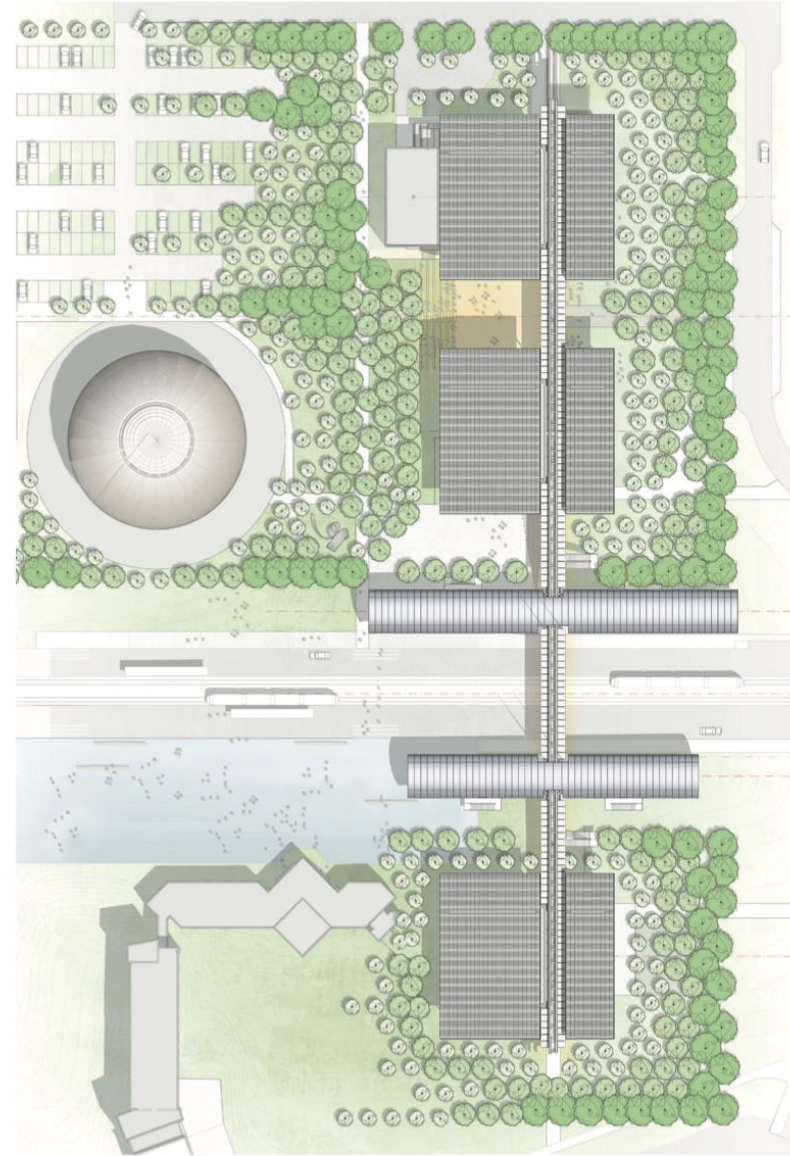
Populus Tremula

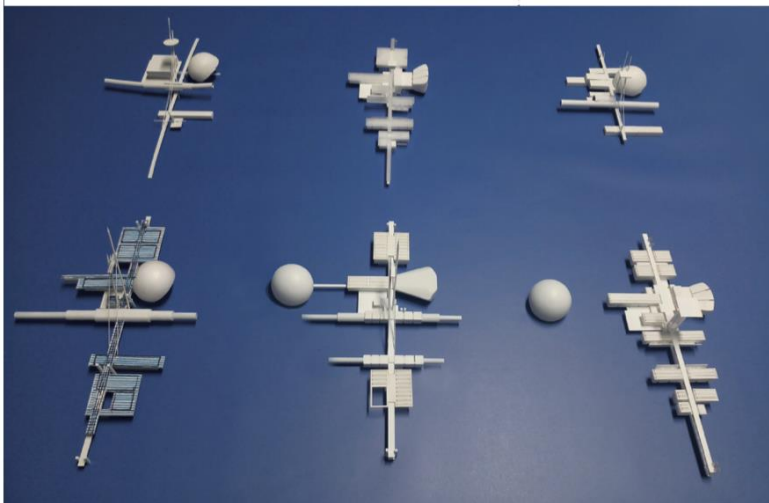
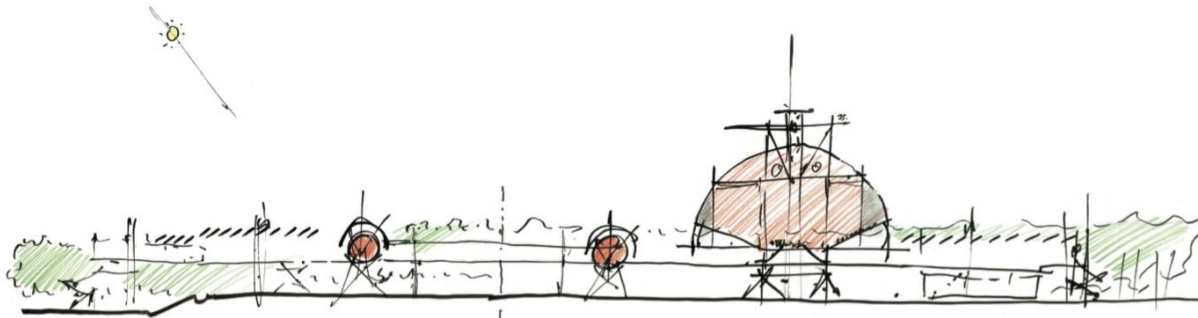


Prunus Avium

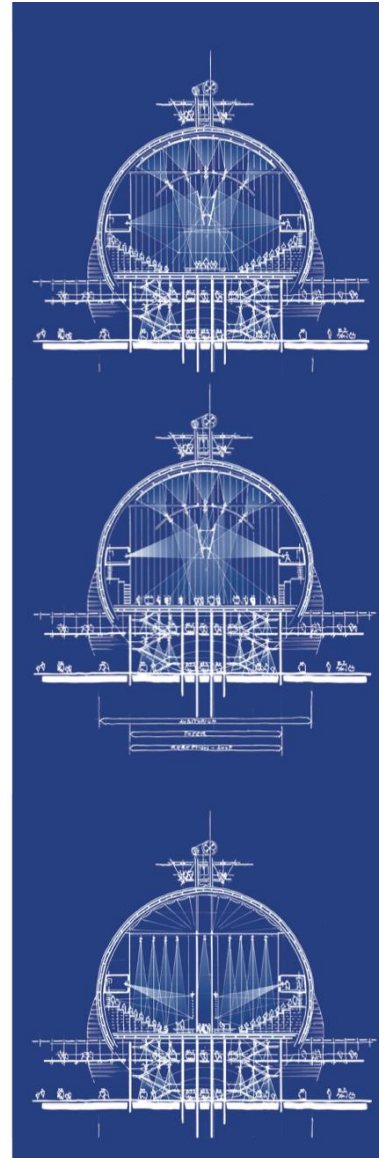
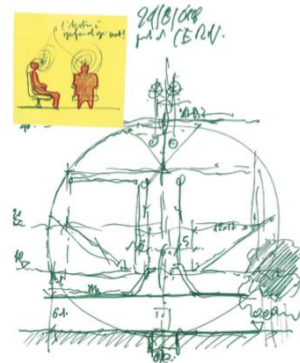
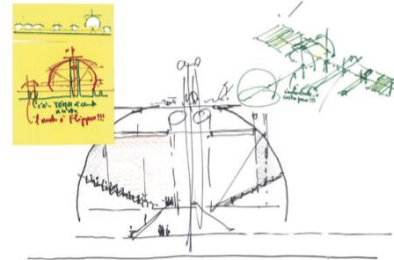


Quercus Cerris



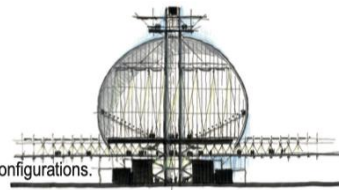


Model Studies: preliminary versions (June - July 2018)



September 4th, 2018, 2 pm: presentation to CERN committee.

The auditorium is a cylinder with a viewing platform on top & flexible configurations.



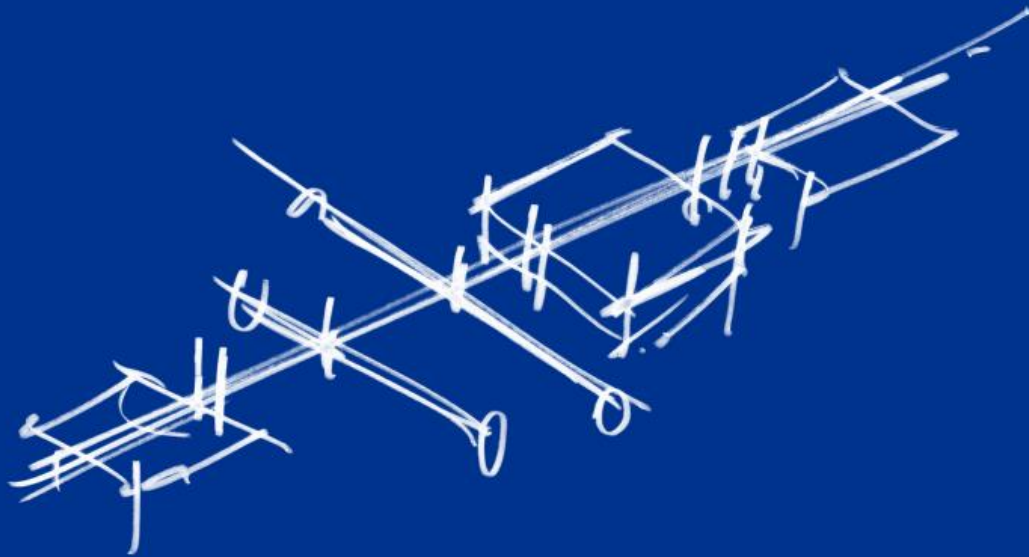
CERN SGW

Collaboration

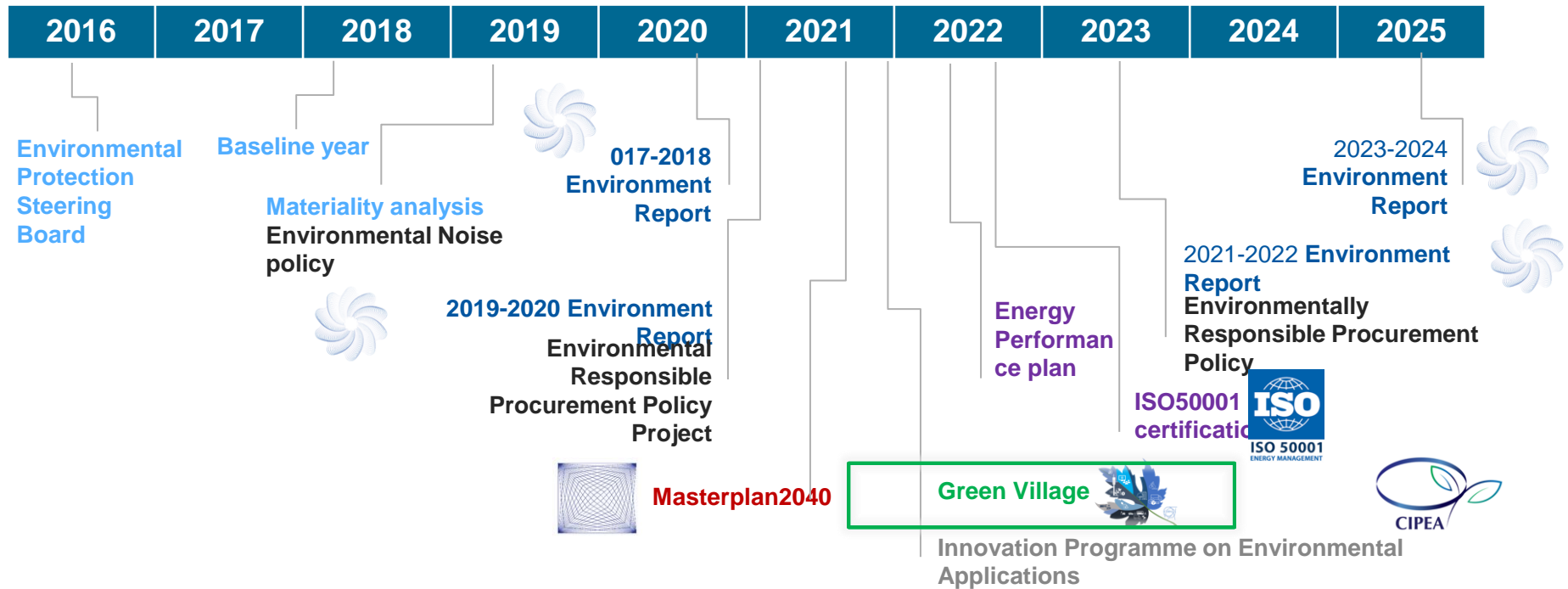




Thank you for your attention



CERN's environmental track record





Green Village is a visionary initiative linking **CERN's Environmental roadmap** with **industrial solutions for sustainability** and the **talent of innovators**.

- a **village-size laboratory**.
- **agile** and **flexible**.
- an **ideation** and **experimentation** space.
- a platform for **engagement** with innovators.
- a **showcase** for innovation and societal engagement.

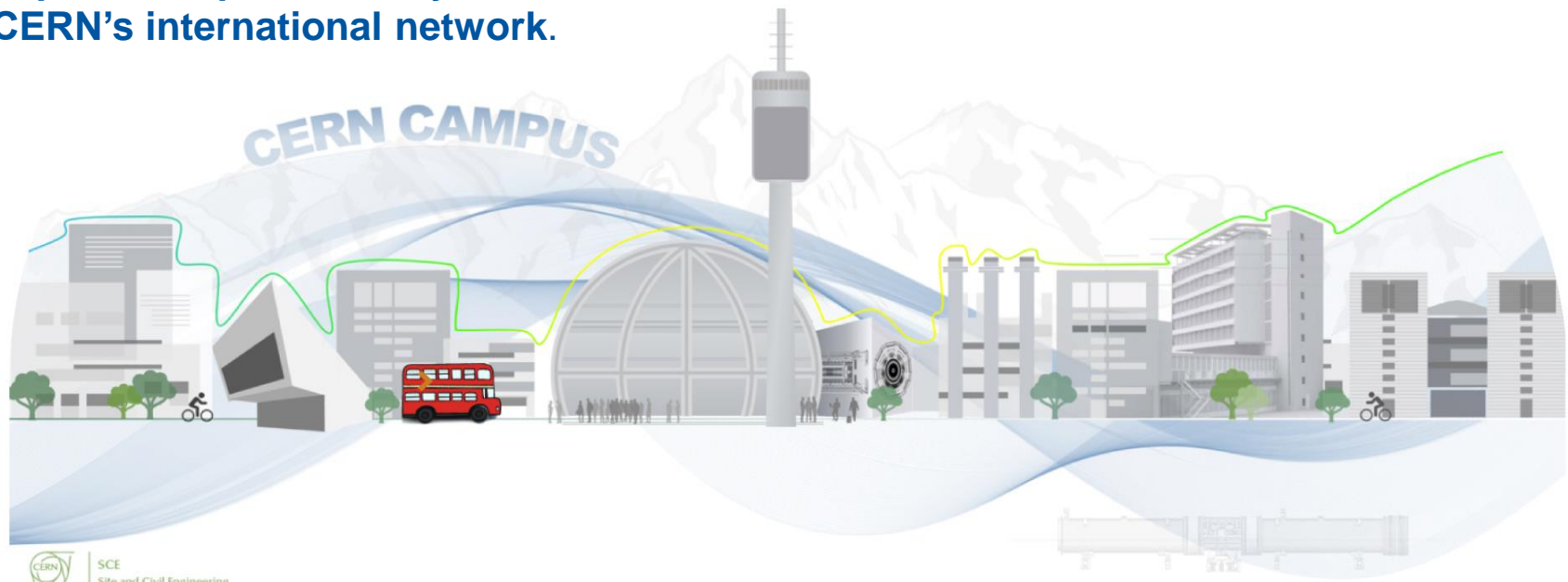
Our value proposition..



CERN offers its campus as a **demonstration partner** in Horizon Europe consortium projects and/or as a **testbed for early-stage sustainable technologies** developed by individual companies and start-ups.

Partners gain **access to**

- **CERN's elaborate infrastructure**
- **Top-level expert in many fields**
- **CERN's international network.**



 SCE
Site and Civil Engineering

667

BUILDINGS

3

RESTAURANTS

450

HOTEL ROOMS

17.3km

TECHNICAL GALLERIES

64km

TUNNEL

9000

PERSONS/DAY

8500+

OFFICE WORKING STATIONS

54km

ROADS

111ha

GREEN SPACES

400ha

FIELDS & FORESTS

625ha

TOTAL AREA