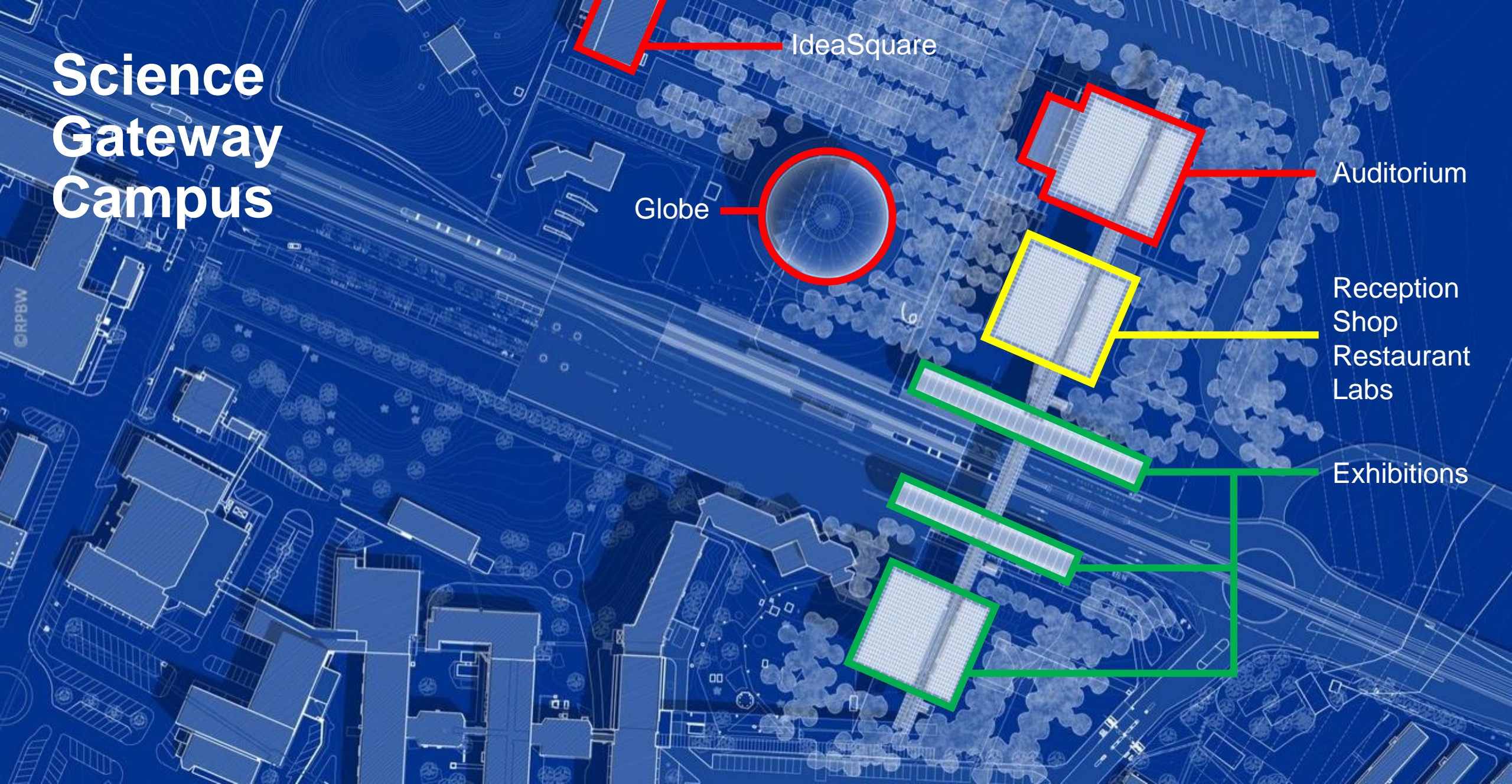


CERN Science Gateway

Science Gateway Campus



IdeaSquare

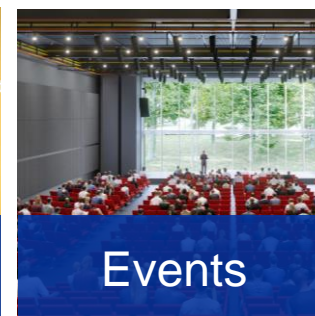
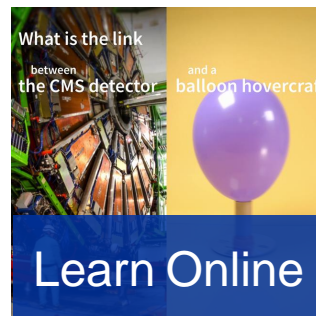
Globe

Auditorium

Reception
Shop
Restaurant
Labs

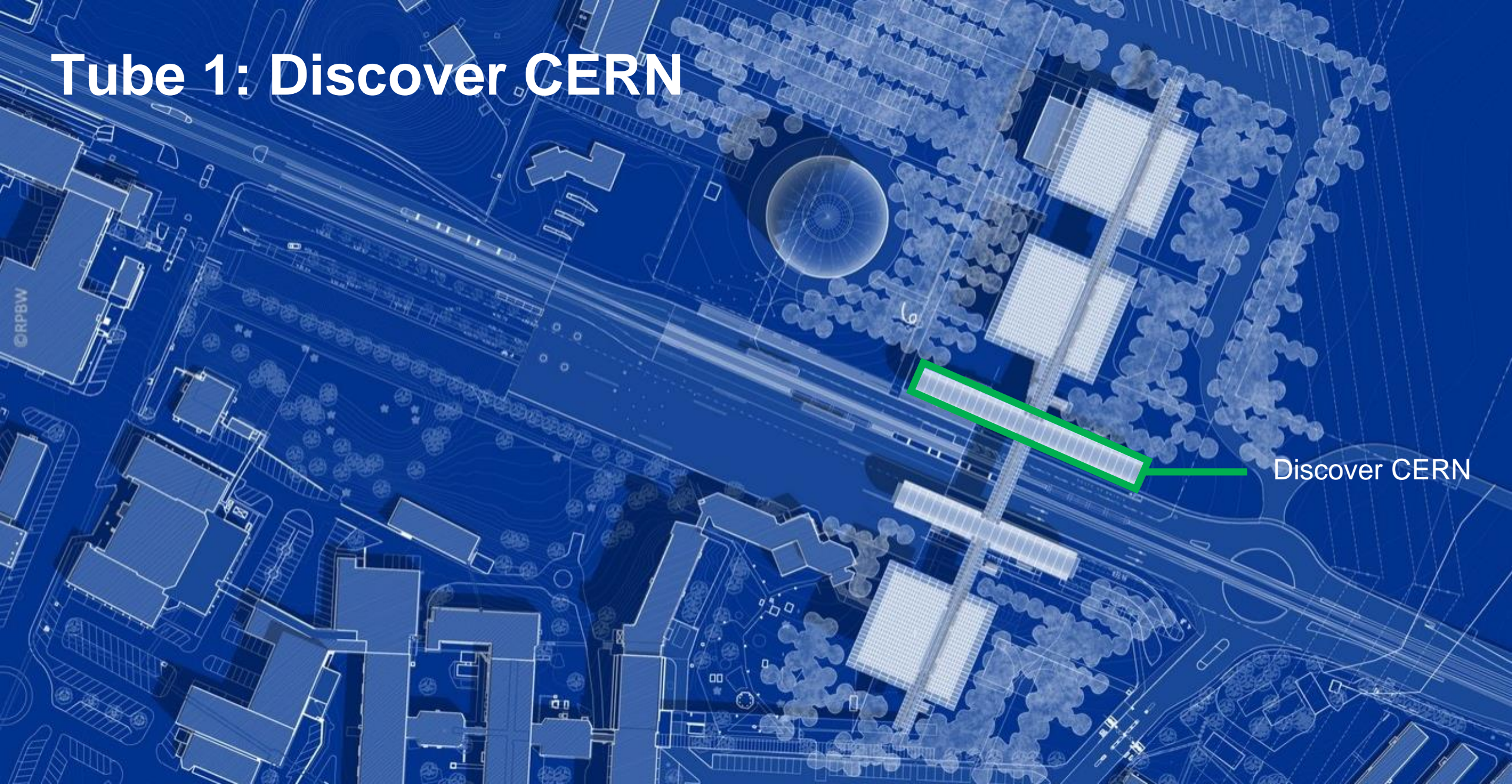
Exhibitions

Science Gateway programme



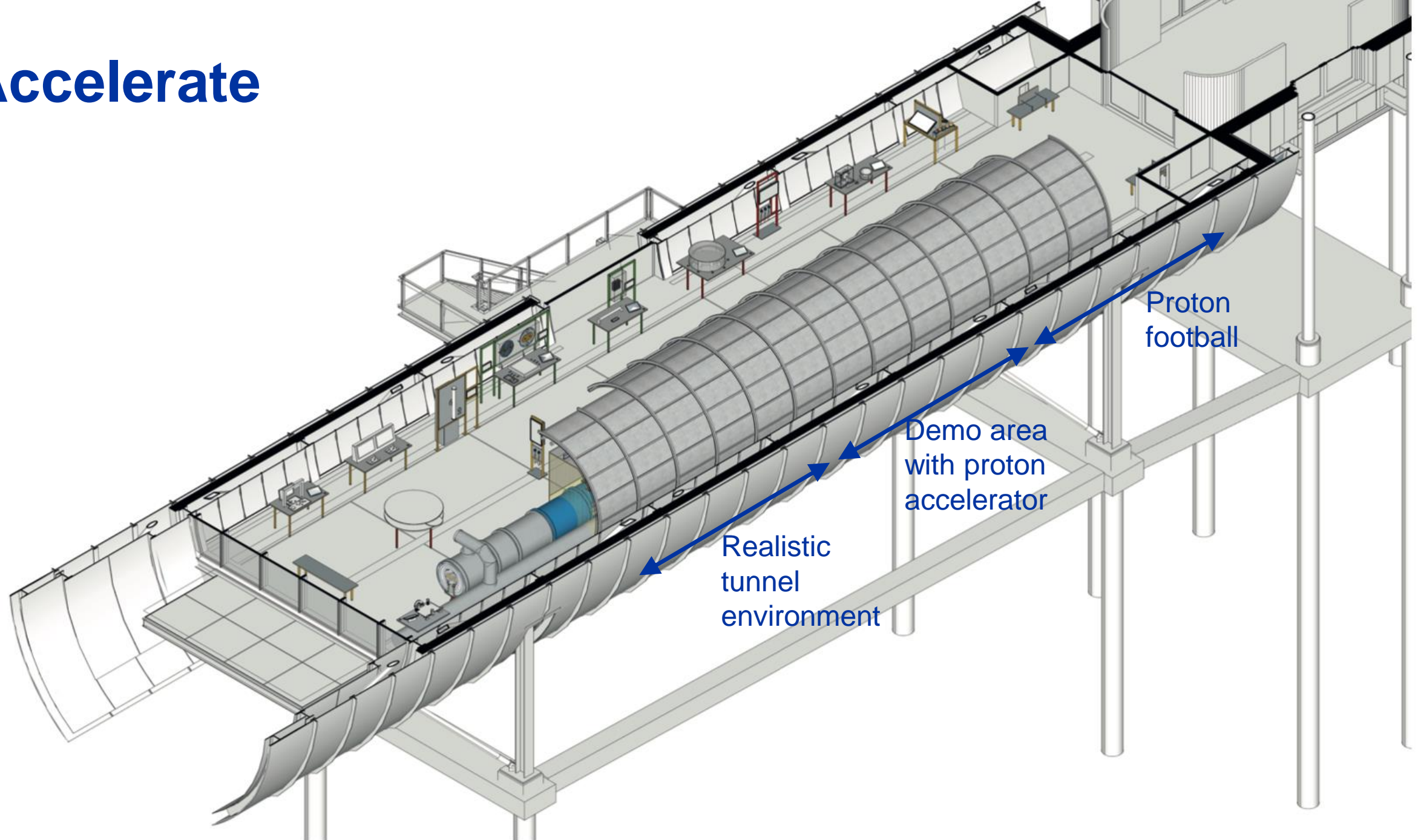
Science Gateway Exhibitions

Tube 1: Discover CERN



Discover CERN

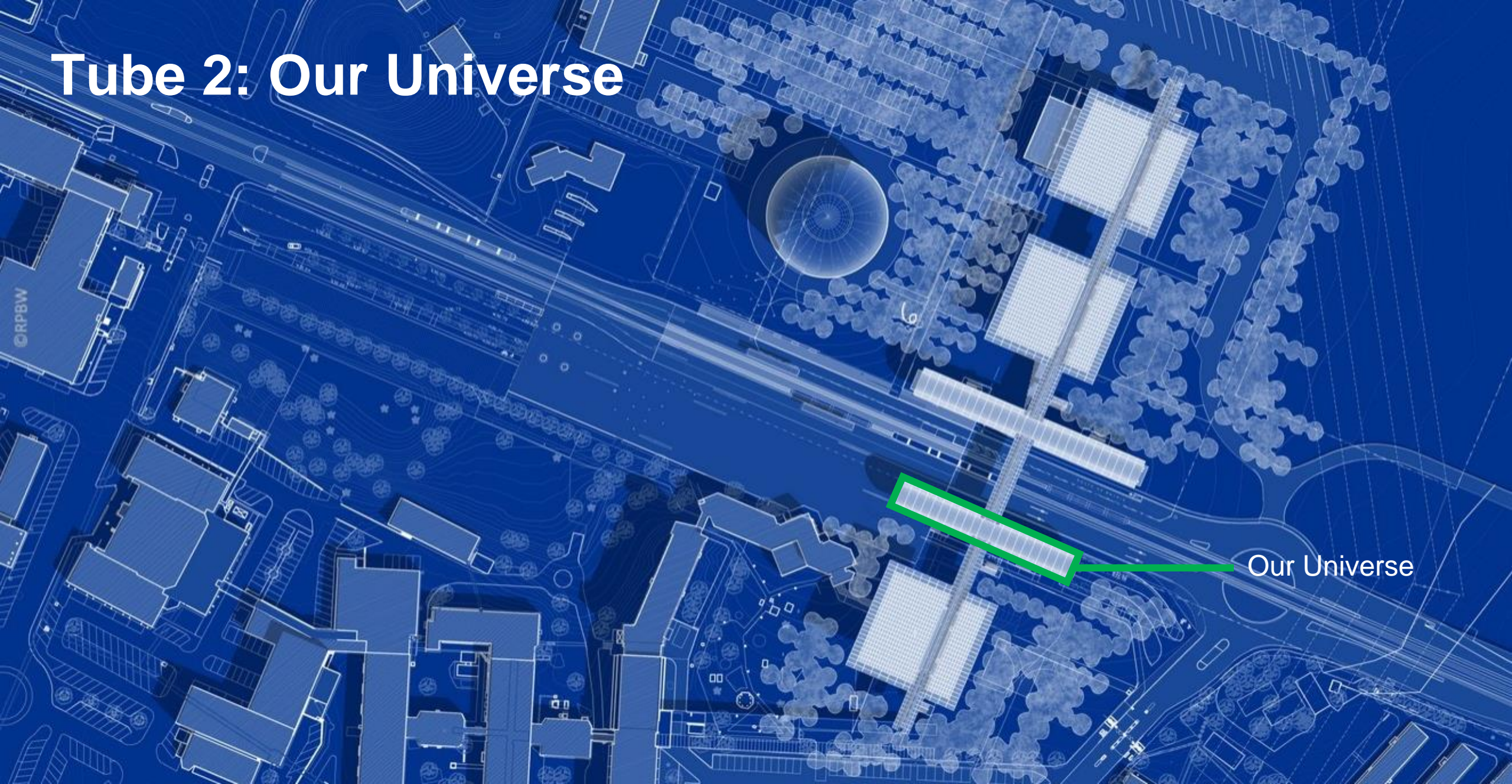
Accelerate



Collide

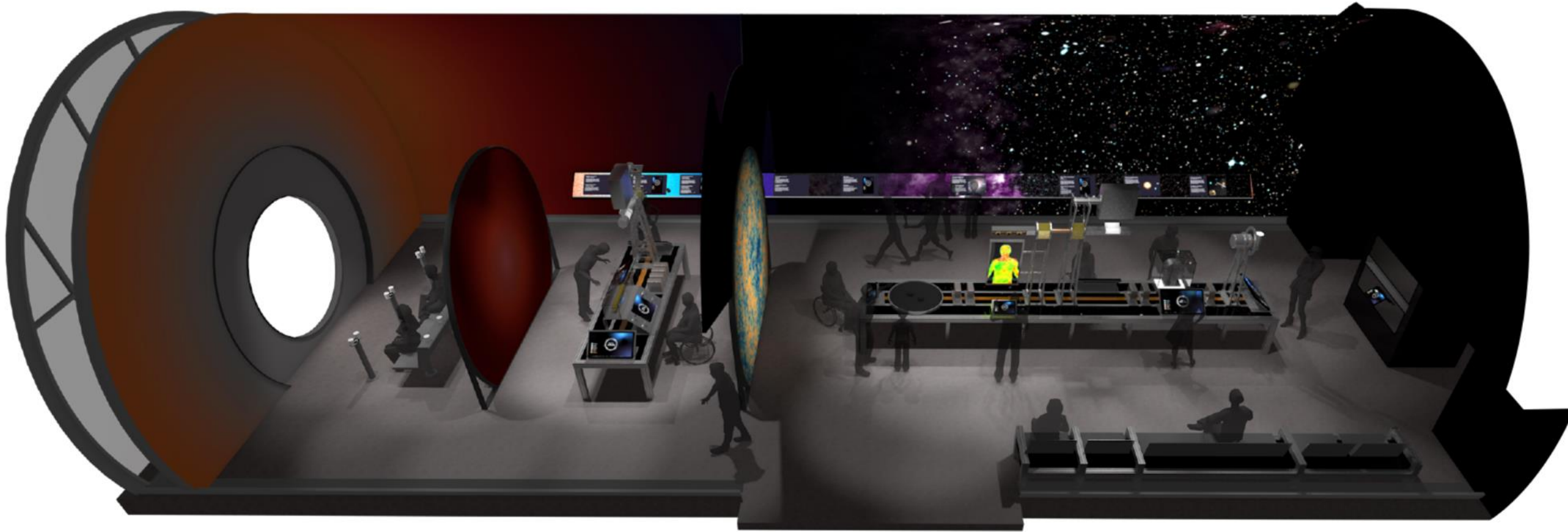


Tube 2: Our Universe



Our Universe

History of the Universe



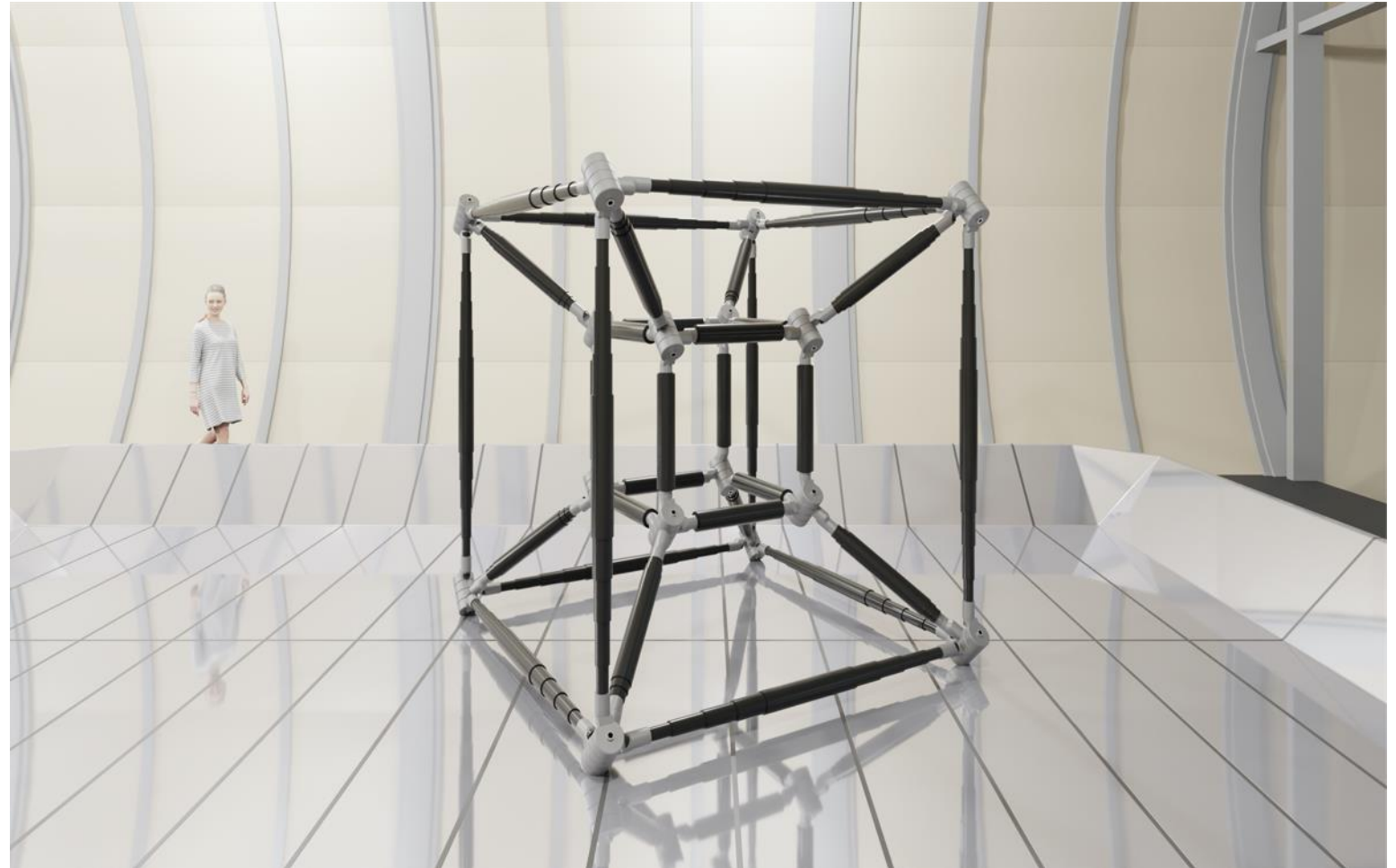
Exploring the Unknown

Artworks as an entry point to the big open mysteries in physics

Exhibition Themes: Space & Time, the Void and the Invisible.

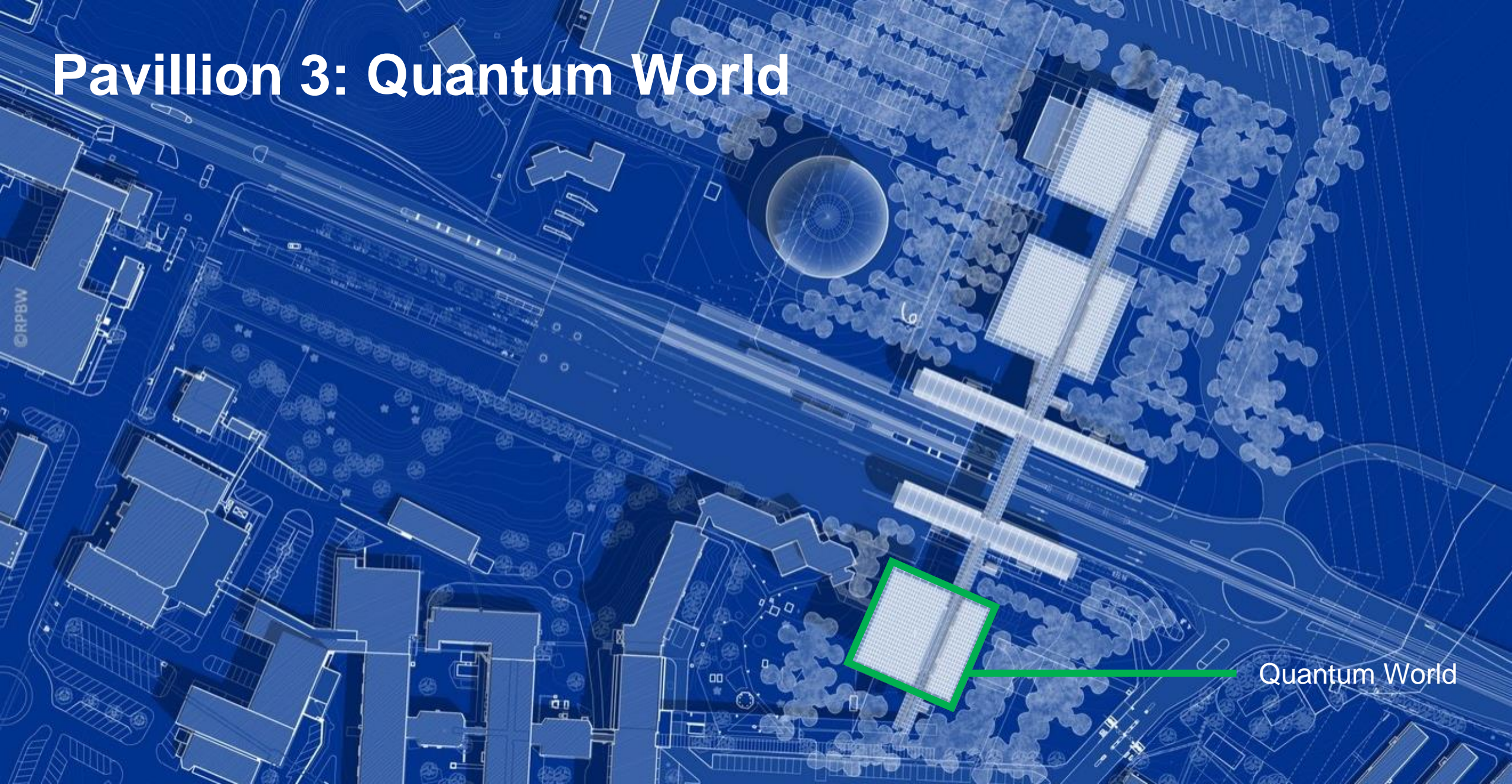
New commissions from Rosa Barba, Julius von Bismarck, Chloé Delarue & Ryoji Ikeda, in collaboration with Arts at CERN.

Residencies in 2021 for artists to exchange on the scientific topics of the exhibition with theorists.

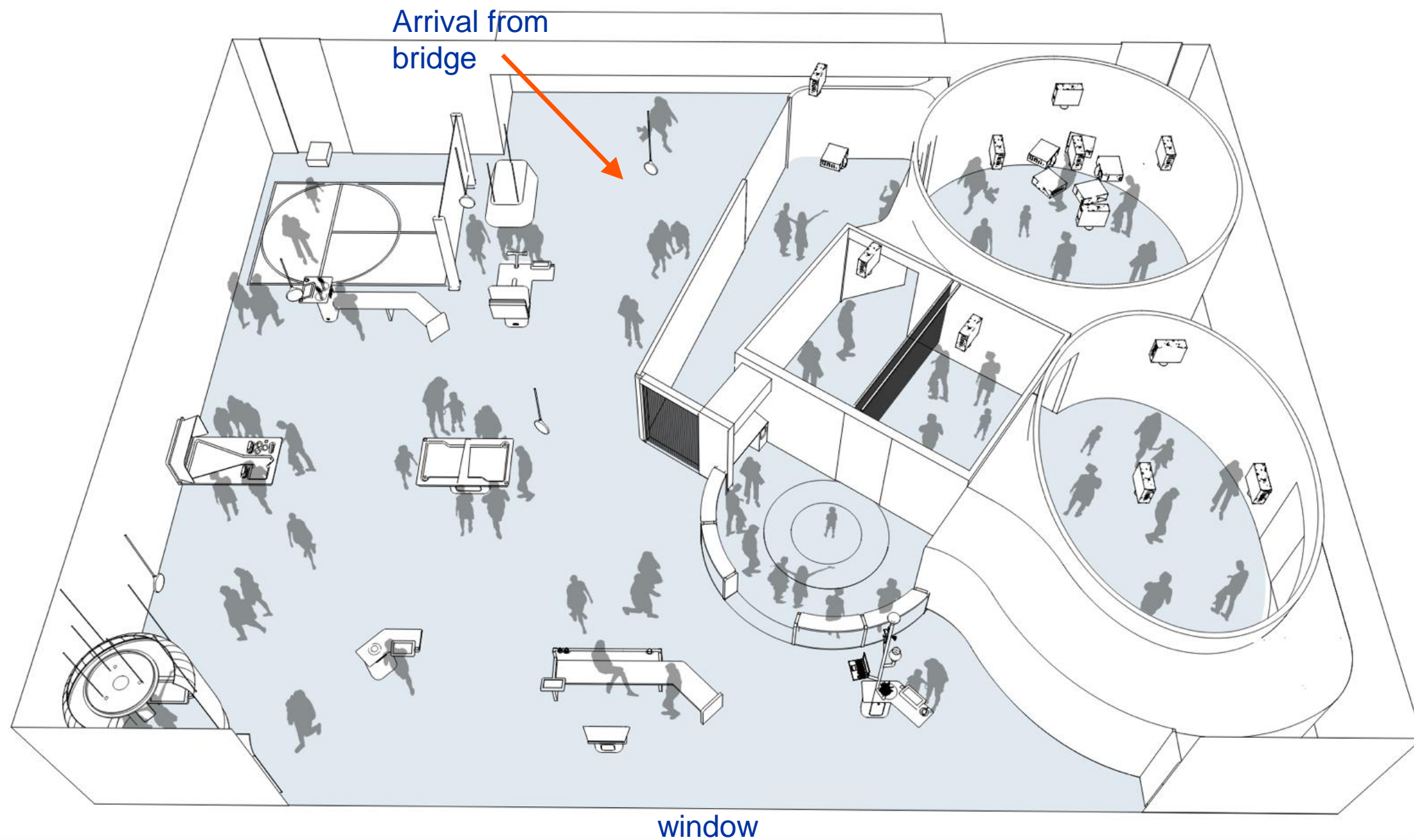


Main Art Commission: *Round About 4 Dimensions* / Julius von Bismarck

Pavillion 3: Quantum World



Quantum World





Science Gateway Education

Science Gateway Education Activities

Labs

Discover your inner scientist



Science Shows

Explore the stories of discoveries



Online Learning

Engage online to find out more



Science Gateway Education

Labs

Discover your inner scientist

- 45-90 min workshops in different languages & tailored to age groups
- Focus on independent hands-on experimentation and teamwork
- Two lab spaces for each 24 participants

Science Shows

Explore the stories of discoveries



Online Learning

Engage online to find out more



Science Gateway Education

Labs

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- Focus on independent hands-on experimentation and teamwork
- Two lab spaces for each 24 participants

Science Shows

Explore the stories of discoveries

- 30-45 min shows tailored to an international audience and different age groups
- Focus on surprising demonstrations and interactive storytelling
- Auditorium for 200+ people

Online Learning

Engage online to find out more

Watch on Twitter

Which object
object and first?

Science Gateway Education

Labs

Discover your inner scientist

- 45-90 min workshops in different languages & tailored to age groups
- Focus on independent hands-on experimentation and teamwork
- Two lab spaces for each 24 participants

Science Shows

Explore the stories of discoveries

- 30-45 min shows tailored to an international audience and different age groups
- Focus on surprising demonstrations and interactive storytelling
- Auditorium for 200+ people

Online Learning

Engage online to find out more

- Videos with quiz questions, DIY experiments, material for educators
- Focus on independent learning
- Material in English and French

Topics

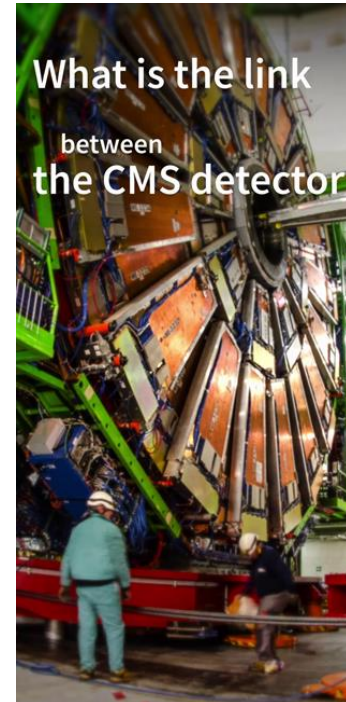
- **Detectors & sensors: making the invisible visible**
- **Accelerators & magnets: manipulating particles**
- **Information Technology: creating a unique computing infrastructure**
- **Engineering: making the impossible possible**
- **Theory: rationalising, predicting and explaining phenomena**
- **Data reconstruction & analysis: making sense of observations**
- **Technology: manipulating robots, vacuum and cryogenics**
- **Applications: bringing CERN's technologies into our everyday life**
- **Scientific methods, models and nature of science: doing science**
- **STEM careers: exploring STEM occupations and workplaces**

Examples of content development

A new workshop about „seeing the invisible“ teaching Nature of Science aspects using new types of mystery boxes, IR cameras, X-ray images

A new science show about data & data analysis including concepts such as big data, triggering, statistics

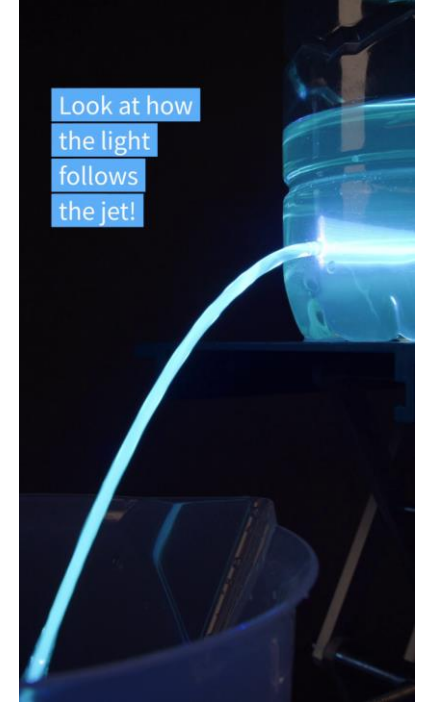
Short videos for social media linking DIY experiments with CERN technologies in the framework of CERN's Solvay Education Programme



What is the link
between
the CMS detector



and a
balloon hovercraft



Look at how
the light
follows
the jet!

Science Gateway Events

Auditorium



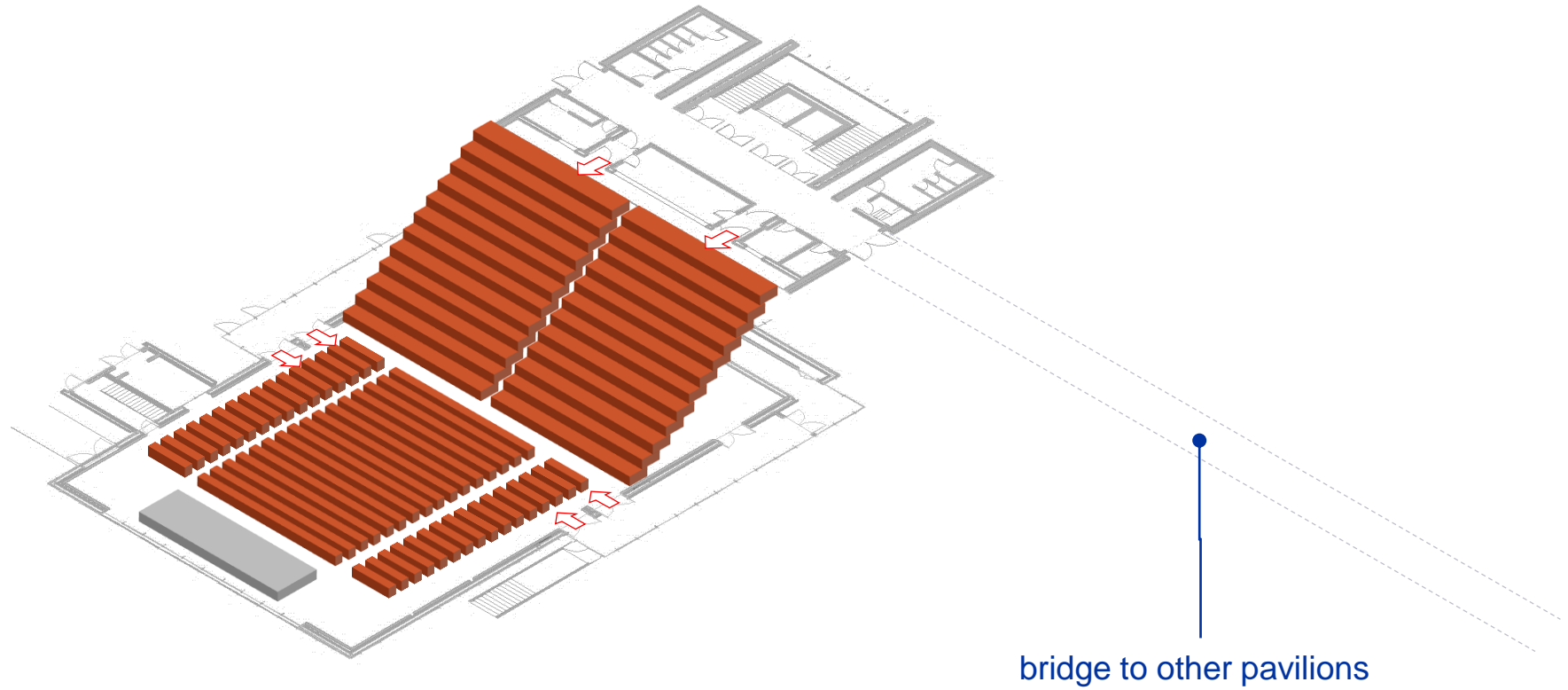
Auditorium



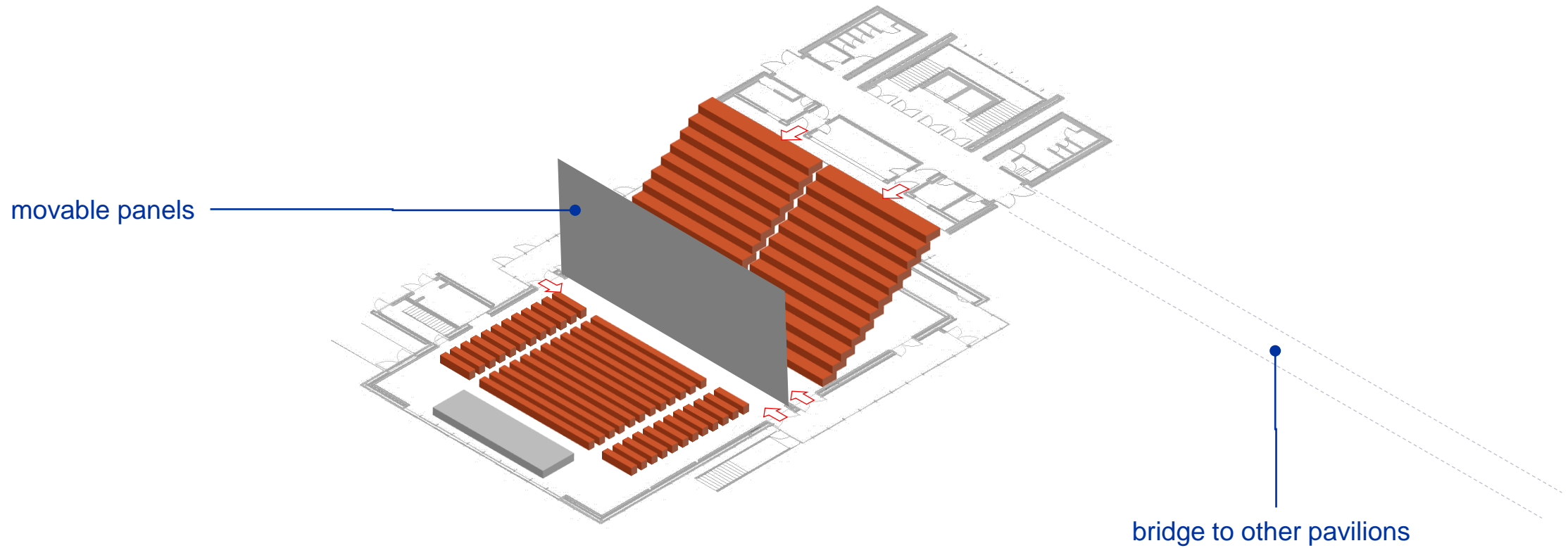
Auditorium



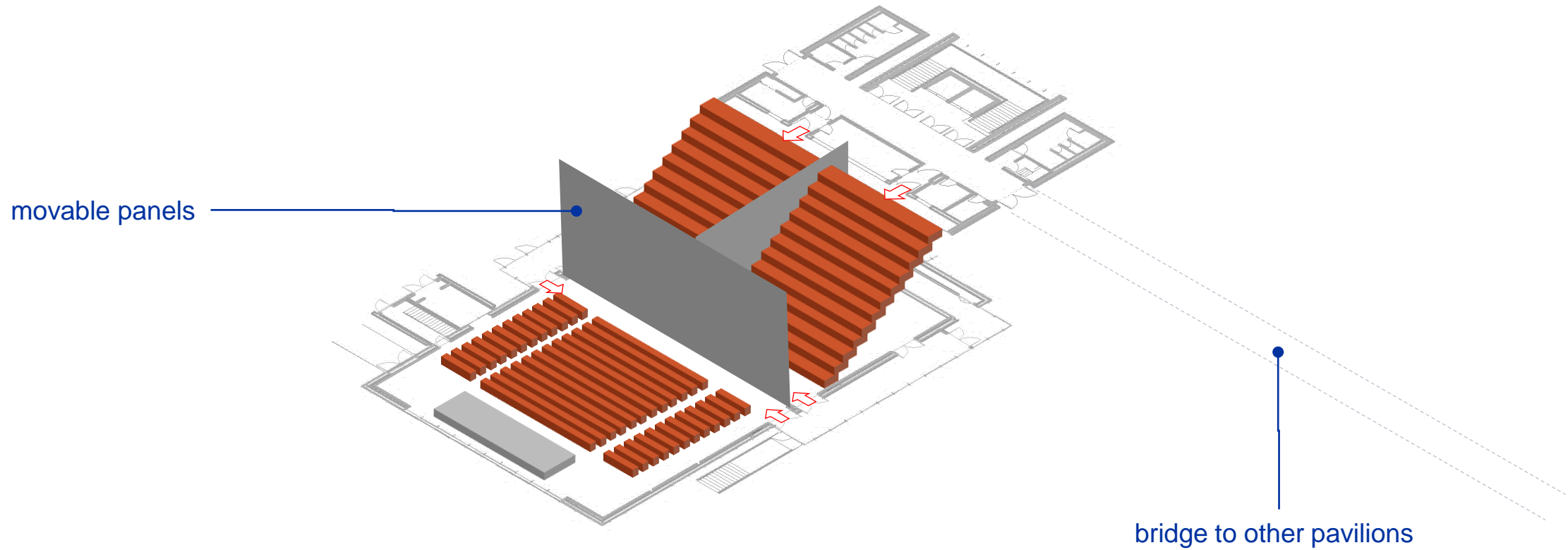
As one auditorium (900 seats)



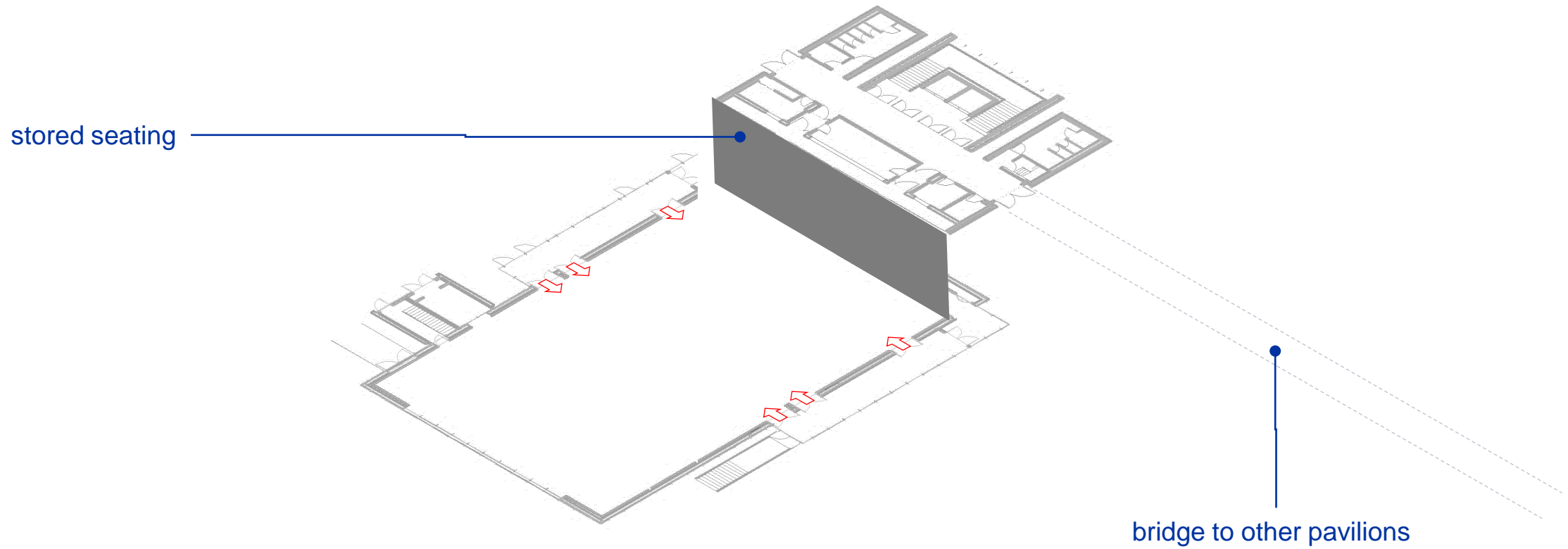
As two auditoriums (450 + 364 seats)



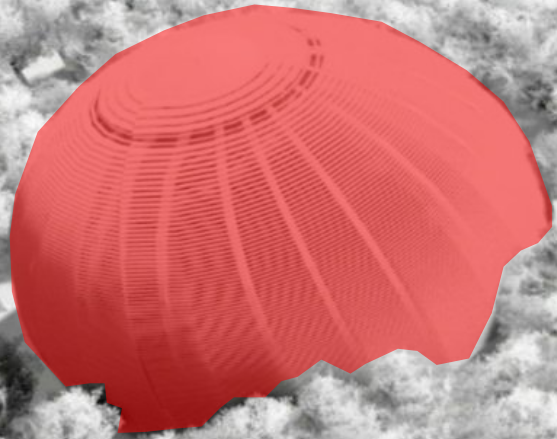
As three auditoriums (450 + 198 + 198 seats)



As one 717 m² flat space



Globe of Science and Innovation



The Globe of Science and Innovation will continue to host events at first floor but will also offer a multifunction space at ground floor (currently used by Universe of Particles exhibition that will be dismantled after Science Gateway opening).



The *piazza*

The *piazza* is an outdoor space with natural seating (from Globe car park) that can host public events depending on the weather

Ideasquare in the Science Gateway Campus



Cross use of various spaces of Science Gateway, Globe and Ideasquare for events organised from Science Gateway and Ideasquare

Spaces

Workshops





Events

Continue to use Ideasquare for specific events such as workshops, trainings, etc.

Development of a Science Gateway Campus guided tour with a focus on buildings and Ideasquare offer



Guided tours



home.cern