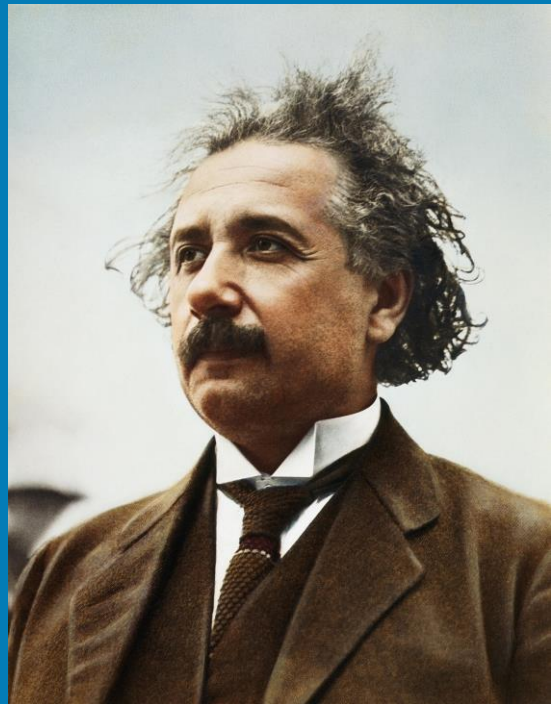


CERN, SESAME and SEEIIST: scientific research as promoter of intercultural dialogue and peace



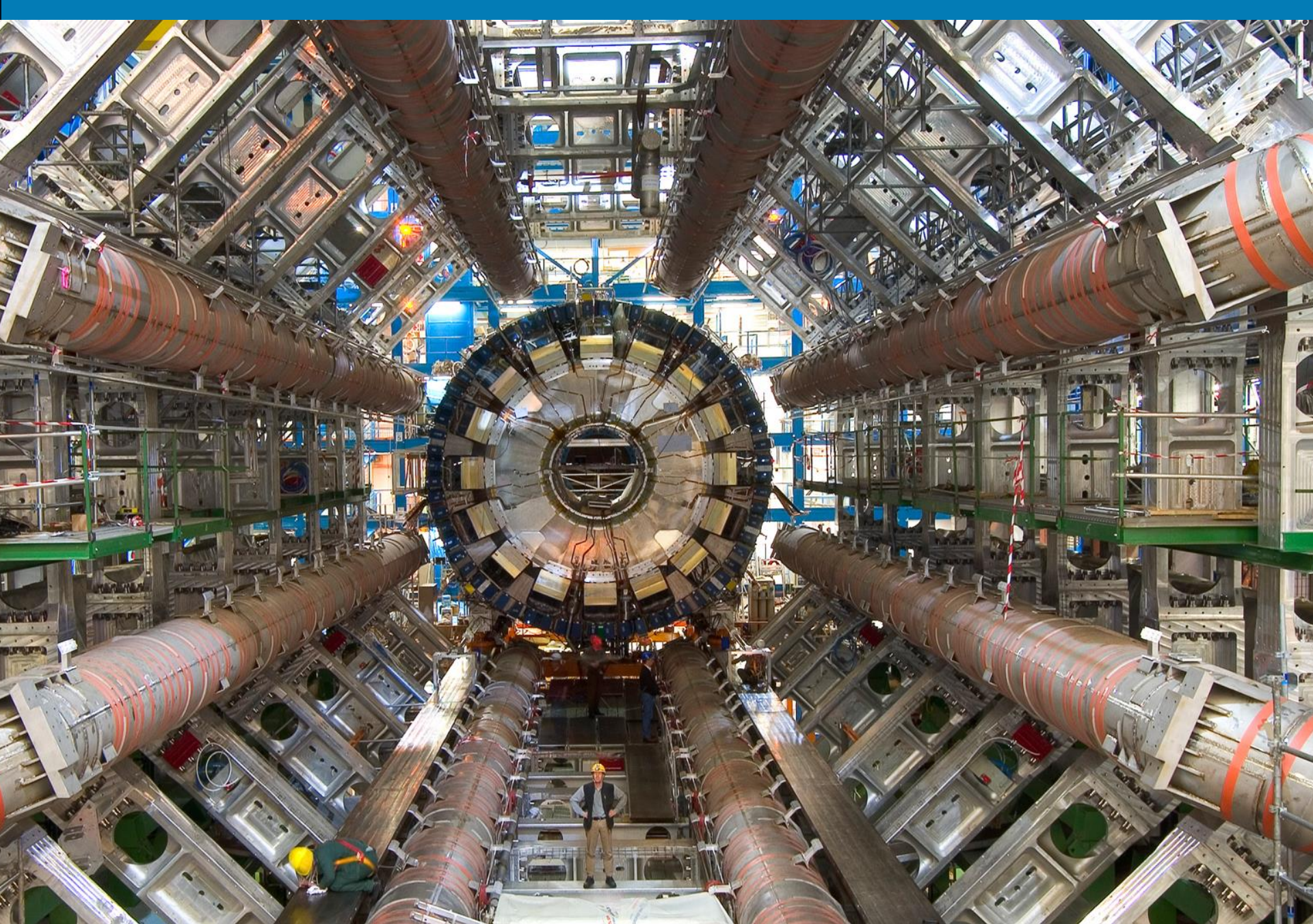
ITP – Italian Teacher Programme
CERN, 14 October 2022

Maurizio Bona
Vice-Chair of the IYBSSD Steering Committee



CERN - Science for dialogue and peace









CERN – The very beginning

M. Bona – ITP, CERN, Oct 2022

- **The CERN “parents”**

A group of far-sighted **scientists, politicians, diplomats, intellectuals**

- **CERN’s main objectives**

- . Carry out scientific programmes.

- . Resume the dialogue after World War II among former belligerent European Countries, and beyond.

- **The CERN Convention (signed in 1953)**

“The Organization shall have no concern with work for military requirements and the results of its experimental and theoretical work shall be published or otherwise made generally available”



< *First meeting of the provisional CERN Council, Feb 1952*



F. de Rose at the inauguration of PS accelerator, 1960

“The only way to define Europe is to build it, not so much in time and space, but rather by continuing to refresh its own, universal, genius”.

Denis de Rougemont

“Following CERN’s decision in 1959 to welcome Soviet scientists, the first long-term visitors from beyond the iron curtain arrived on 18 July 1960 for a stay of six months.”



CERN Courier Volume 1,
Number 12, July 1960



Berlin, 1961

(AP Photo/Worth) PA-9275541



Ronald Reagan Presidential Library, C32042-10

Reagan - Gorbachev first meeting, Geneva 1985

M. Bona – ITP, CERN, Oct 2022



Pope J-P II and DG Schopper, CERN, Jun 1982

SESAME – Synchrotron-light for Experimental Science and Applications in the Middle East

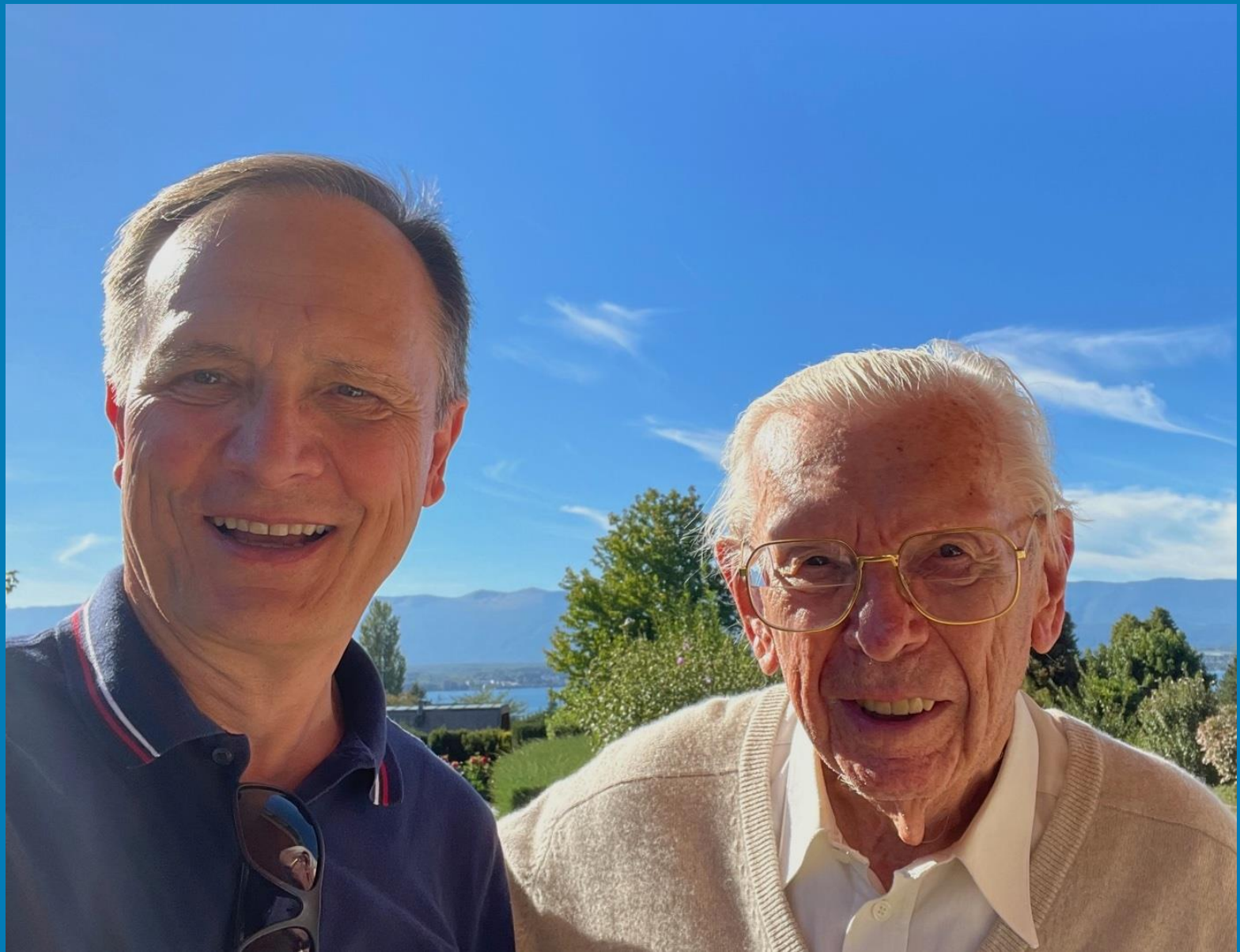


Amman, Jordan



Members (2017)

M. Bona
WCBSSD, Belgrade Sept 2022



Prof. H. Schopper, Geneva, Sept 2022

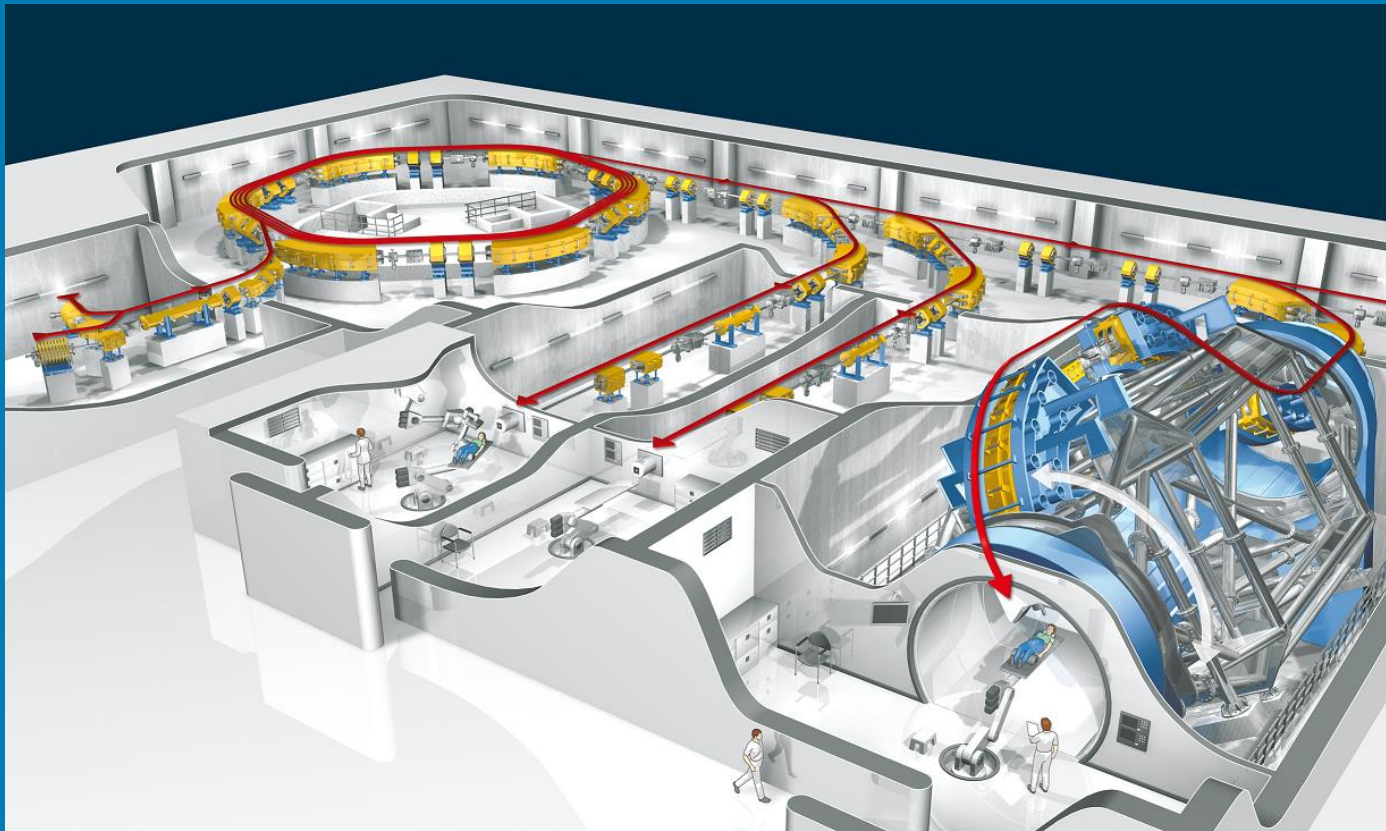
SEEIIST

*South East
International Institute for
Sustainable Technologies*



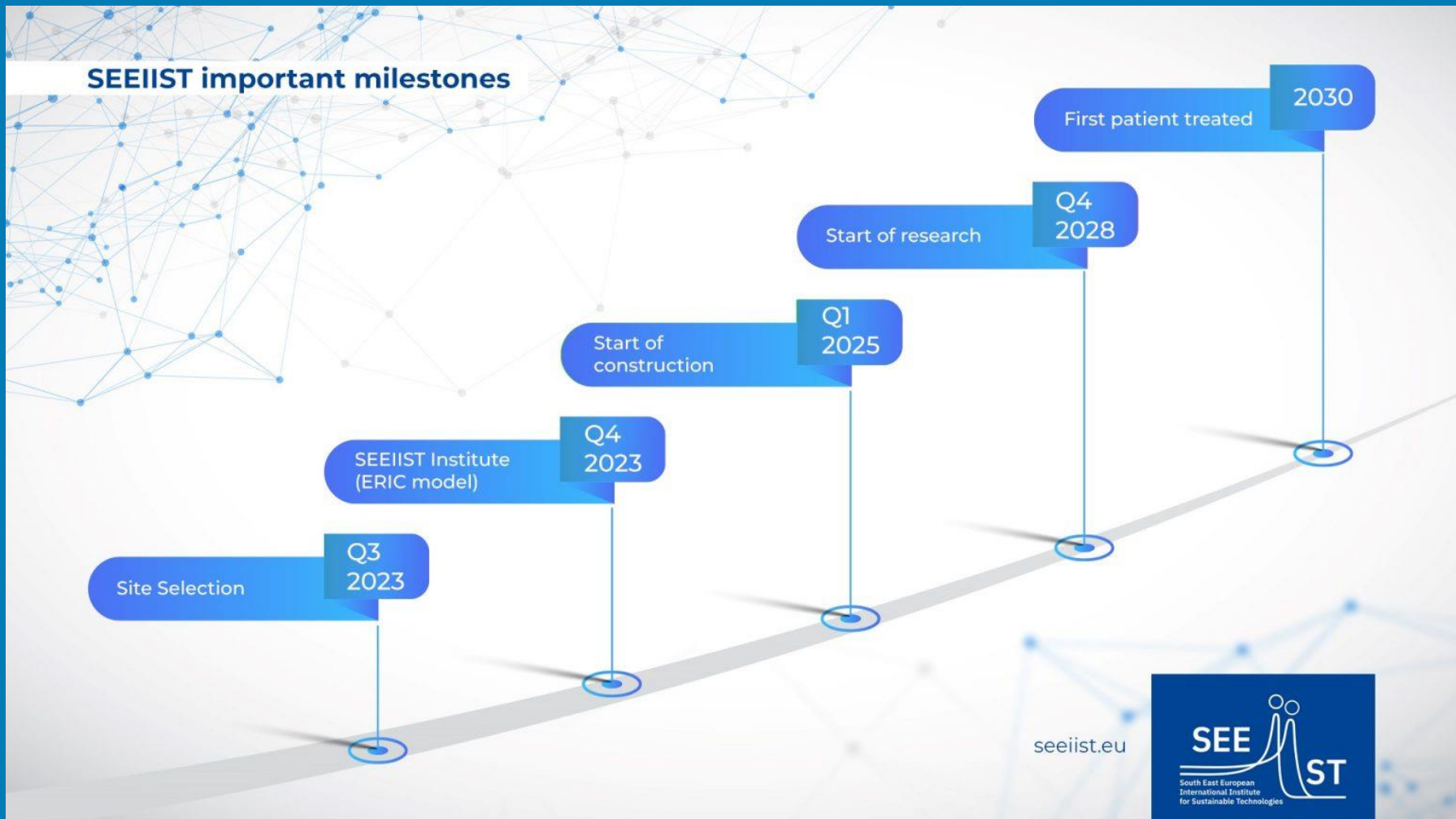
SEEIIST: Facility for Tumor Therapy and Biomedical Research with protons and heavier ions

About 500 patients per year to be treated as needed for a population of 20M. In parallel, 50% of the beam time dedicated to biomedical research with multi-ion sources from H to Ne, making the SEEIIST project unique in the world. Capacity for about 1000 researchers, including a major number from Western Europe.



SEEIIST Timeline to date

- 2016 Initial idea proposed by Herwig Schopper et al.
- 2017 Declaration of intent signed at CERN; kick-off of the design phase (Oct)
- 2018 First contacts with Switzerland to get its neutral support
- 2021 . High-level political roundtable in Bern (Sept)
 - . Establishment of the WG on the Legal Framework
 - . Establishment of the WG on the Site Selection
- 2022 First in-person meeting of the WGs in Greece (Apr)



SEEIIST estimated cost: up to 200 MEUR. Multiple sources of financing necessary: EU Structural and cohesion funds, IPA funds, contributions from member-states, other investment funds ... *(source: Swiss DFAE)*

Science and peace

- . How can science contribute to the intercultural dialogue and to peace ?

West-Eastern Divan Orchestra

founded by Daniel Barenboim - Edward Said, 1999



“... Let me tell you something: **this is not going to bring peace.** What it can bring is **understanding**, the **patience**, the **courage**, and the **curiosity to listen to the narrative of the other**”

Daniel Barenboim, Ramallah concert, August 2005.

Thank you for your attention !



Reserve
In case of questions

“Science diplomacy”





Jonathan Ernst, Reuters

Science and diplomacy

Definitions of science diplomacy (from AAAS and Royal Society, 2010)

- . Facilitating international science cooperation

Diplomacy for science

- . Use science cooperation to improve international relations between countries

Science for diplomacy

- . Informing foreign policy objectives with scientific advice

Science in diplomacy

Science and diplomacy

Definitions of science diplomacy (from AAAS and Royal Society, 2010)

- . Facilitating international science cooperation

Diplomacy for science

- . Use science cooperation to improve international relations
between countries

Science for diplomacy

- . Informing **foreign policy objectives** with scientific advice
- ## **Science in diplomacy**

Extra slides





Canali >



Dimartedì 4.10.2022

M. Bona – ITP, CERN, Oct 2022

July 1960

“Following CERN’s decision in 1959 **to welcome Soviet scientists**, the first long-term visitors from beyond the iron curtain arrived on 18 July 1960 for a stay of six months.”

17 June 2022

CERN Council statement

“At its 208th meeting yesterday, the CERN Council **declared that it intends to terminate CERN’s International Cooperation Agreements (ICAs) with the Russian Federation and the Republic of Belarus at their expiration dates in 2024.**” ...



IYBSSD2022

International Year
of Basic Sciences
for Sustainable Development

<https://www.iybssd2022.org/en/home/>