SEEIIST Summary and key figures
https://cernbox.cern.ch/index.php/s/iR7lGERHOdavyuB

SEEIIST

SEE Hadron Therapy and research Facility by Ugo Amaldi et al (CERN Yellow Report)
https://cernbox.cern.ch/index.php/s/deb9lyWe8kVjYUS

ESFRI application Sep 2020 : http://bit.ly/esfriseeiist
Contributing Authors: https://cernbox.cern.ch/index.php/s/g5eAgMdBRrSgju4

SEEIIST Association

SEEIIST Association: Information
https://cernbox.cern.ch/index.php/s/td2cailt46qrXNQ

SEIIST Member States contributions for Association
https://cernbox.cern.ch/index.php/s/fY6UcbcJLNUCcCE

TOWARDS ERIC:

SEEIIST Legal Framework_ERIC_proposal_final.pd
https://cernbox.cern.ch/index.php/s/pEXCwqLwz5jKnbo

Financial Annex
https://cernbox.cern.ch/index.php/s/W1ypuQkxeshbZEw

EU Support

HITRIplus: https://www.hitriplus.eu
I.FAST: https://ifast-project.eu
SF(16) DLR Deliverables: https://indico.cern.ch/event/1119243/page/24249-sf16-dlr-deliverables

BROCHURES and Leaflets

Leaflet in English: https://cernbox.cern.ch/index.php/s/iDHkMxjtrDL6wkm
Leaflet in Greek: https://cernbox.cern.ch/index.php/s/t8WH6diyesEdp6U

Brochure in english
https://cernbox.cern.ch/index.php/s/Lifg63bLNZkq9r5

SEEIIST and Greece

MoU SEEIIST Association and AUTH Medical School
(signed by K. Annastasiadis and P. Bamidis Dec 2023)
https://cernbox.cern.ch/index.php/s/TcqQUTPnb8SOys1

Key Figures

Building:

- 120 x 100 (11650) m² footprint size of the facility
- 3400 m² office space
- 2650 m² lab space
- 5000 m² social and communication facilities
- 5800 m² accelerator area
- 1500 m² clinical research and treatment
- 1200 m² non-clinical research

Accelerator:

- Synchrotron based, providing ion beams from helium up to neon with energy up to 450 MeV/u (carbon ions)
- ions per spill up to 2 * 10^{10} (20 times higher than provided by existing treatment machines)
- in fast extraction mode, up to 1000 times larger dose rates capable for FLASH therapy
- fast cycling mode for parallel clinical and non-clinical use
- dedicated isotope production beam line
- 3 medical beamlines
- 2 expandable research beamlines

Current Schedule of the Project

2024 - Foundation of the ERIC

2024 – 2027 - Preparatory and Design Phase

2026 – 2028 - Site Preparation and Construction of the Building

2028 – 2031 - Equipment Installation and Commissioning (Stage 1)

2030 - Start non-clinical Research

2031 - Start clinical Research and Treatment of Patients

From 2031 - Equipment Installation, Commissioning and Use for Research of Stage 2 and subsequent