

Setting up a research infrastructure as a multinational venture

Example: South East European International Institute for Sustainable Technologies (SEEIIST)

<http://seeiist.com>

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The main drivers and conditions for setting up a research infrastructure as a multinational venture

v Accelerating knowledge and innovation

- Scientific excellence
- Education and training
- Trigger innovation and enabling technological transfer

v Enabling the improvement of the living standards, which means:

- 'Science for Peace' by keeping dialog between cultures, developing exchange of ideas, sharing common goals among the international partners
- Improving the wealth of citizens, 'Science for Society'
- Helping developing economy and creating jobs

v Sustainability, which means

- Ensuring the commitment of stake holders with formal agreements
- Defining clearly the costs and the operation model
- Minimizing the environmental impact
- Ensuring public acceptance

The SEEIST Project satisfies all the drivers and conditions above. Even more....

Additional drivers and missions for setting up the SEEIIST

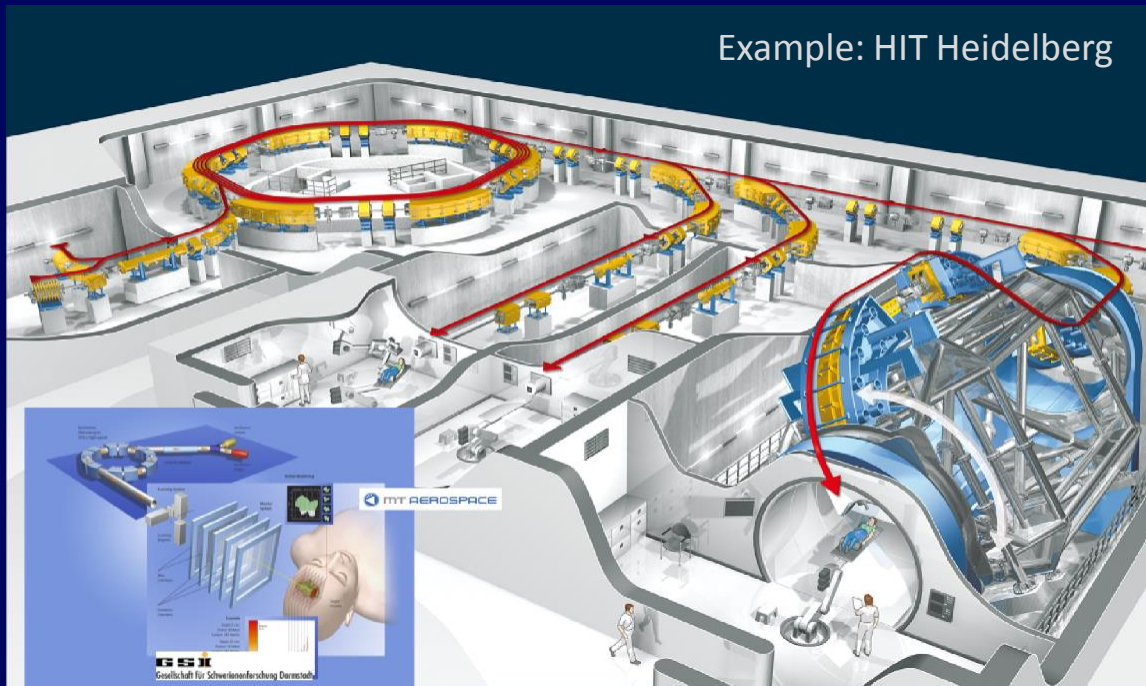
- v To revert the brain drain by enabling 'first class research' in the region
 - Providing a platform for research, engineering and therapy
 - Enabling the development of the regional research nuclei in SEE
 - Creating specific regional Clinical and Scientific networks
- v To recover the great tradition in technological development which SEE had in the past, to remedy the present desert of state-of-art infrastructure in the region
- v To mitigate tensions between countries in the region

The combination of these tasks would imply another case of the CERN and SESAME examples of 'Science for Peace'.

Forms of international cooperation: ERIC, IO or others will be defined during the Design Study Phase which will be performed at CERN as the host. For SEEIIST multiple sources for financing will be necessary. Several are considered: Contribution of EU Framework Programs for the Design Study Phase, EU Structural and Cohesion funds, Investment from member-states, other funds such as IAEA support for training

SEEIIST - Facility for Tumour 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 beyond presently used proton and carbon-ions making the **SEEIIST project unique in the world**. Capacity for about 1000 researchers, including a major number from outside the SEE region.



Candidates Members for the SEEIIST: DoI signed by eight parties: Albania, Bosnian and Herzegovina, Bulgaria, Kosovo*, The FYR of Macedonia, Montenegro, Serbia and Slovenia. Croatia agreed 'ad referendum', Greece is presently an observer