

ENLIGHT in London

Manjit Dosanjh
CERN & ENLIGHT
26 June 2018

2001

The beginnings of ENLIGHT

The idea germinated in 2001 during a ESTRO-Med-AUSTRON meeting where PIMMS was presented

The ESTRO HT group was proposed for creating a joint platform covering the different aspects of hadron therapy and projects in Europe which should lead to a closer European collaboration

In October 2001 the proposal for a Thematic Network was submitted to EC and Funded: 1 million Euros in 2002

ENLIGHT was launched In February 2002 at CERN

Driving Force:

Jean Pierre Gerard
Germane Heeren

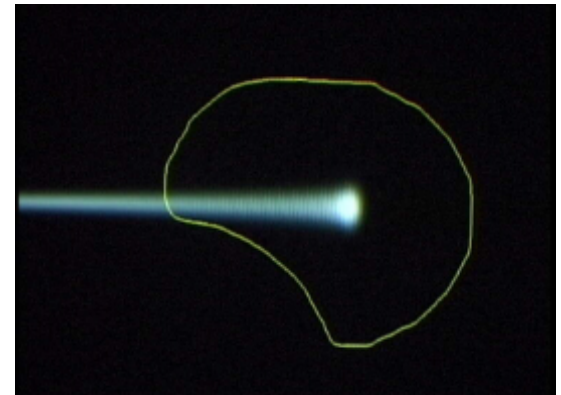
Organization:

Ugo Amaldi
Hans Hoffmann
Manjit Dosanjh



- Create common **multidisciplinary platform**
- Cancer treatment
- Identify **challenges**
- Share **knowledge**
- Share best practices
- Harmonise data
- Provide **training**, education
- Innovate to improve
- Lobbying for funding

Leveraging Physics collaboration philosophy into a multidisciplinary medical environment



Challenges for the network then...

Multidisciplinary and cutting-edge technologies activity and a heterogeneous group:

- Clinical/Epidemiology Studies
- Radiobiology
- Treatment planning for Particle Therapy
- Adaptive ion therapy and moving organs
- Novel imaging PET/other detector systems
- Study for compact gantry designs
- Cheaper, compact facilities
- Many partners. How to collaborate effectively and make progress with the key objectives? Differing needs and interests of the groups
- Balance between basic research and the clinical needs?

ENLIGHT++

From **2006** it became

+More than a **network**...research

+More countries, more institutions

- The community decided to **continue without funding but**
 - Develop strategies for securing the funding for specific projects under the umbrella of ENLIGHT, along two major axes
 - **Research** in areas needed for highly effective hadron therapy
 - **Networking**, to establish and implement common standards and protocols for treating patients



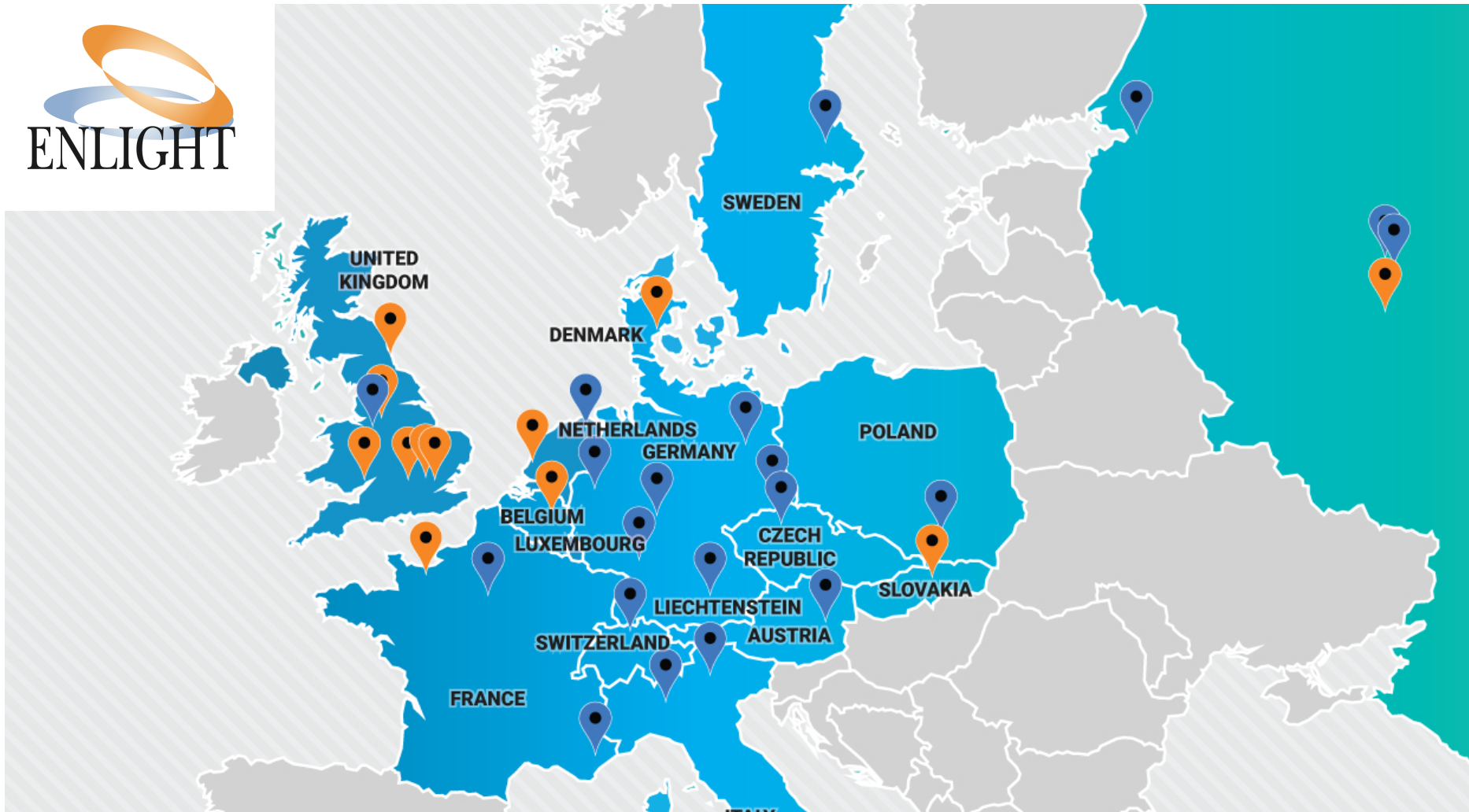
Facilities in operation then – Europe (2002)

- P centres
- C-ion centres
- ▲ Dual-ion centres



Source: PTCOG

Particle Therapy Centres in EUROPE (2018)



ENLIGHT Advisory Committee





- **Annual meeting**, open, free
- Latest developments in the field
- Oral presentation for winning posters
- Networking
- Collaboration
- Sharing and building bridges
- Raising awareness at international level
- Special session dedicated to training
- Biannual Magazine – **Highlights**
- **@ENLIGHTNETWORK**



Thank you to the ENLIGHT community



ENLIGHT Training Day at UCL, 2018