

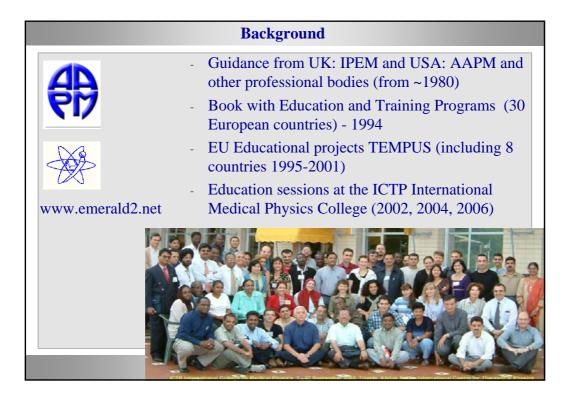


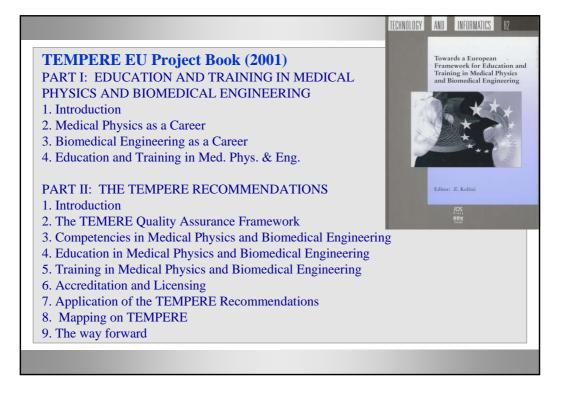


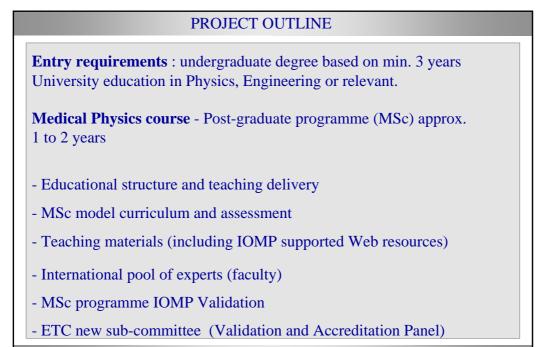
## **NECESSITIES FOR MEDICAL PHYSICS TRAINING:**

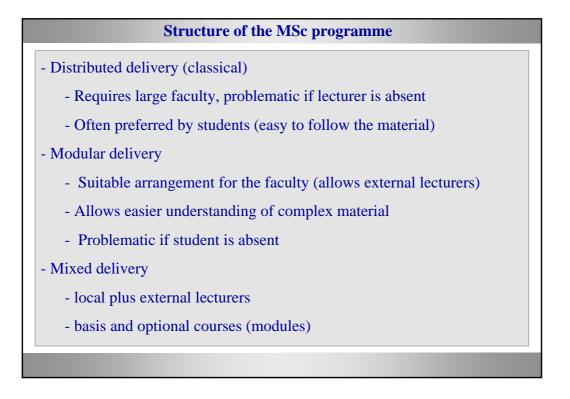
- 1. Training scheme (program) for various specialities
- 2. Accredited (recognised) University background (MSc course)
- 3. List of competencies (necessary skills to require after training)
- 4. Accredited Training Centres (Medical Physics Departments)
- 5. Hospital facilities (available equipment and time for training)
- 6. Time for the supervisors (trainers) to guide the trainees
- 7. Training includes educational environment (libraries, etc.)
- 8. Examining professional body (society)
- 9. Professional recognition after the training

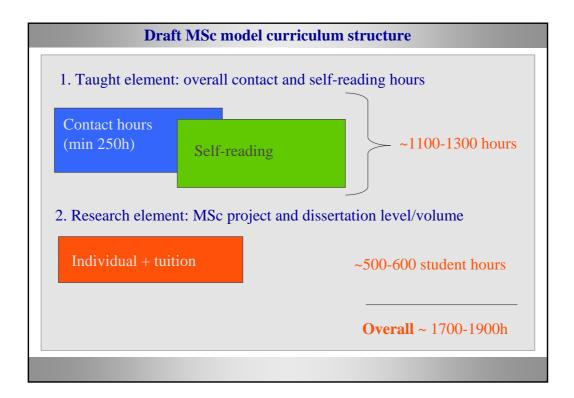












Taught element - draft MSc curriculum	
Pre-course preparatory modules (Physics, Engineering)	
Basis of Human <b>Physiology</b> and Anatomy	~10%
Basis of Radiation Physics	~10%
Research Methods	~10%
Radiation Protection and Hospital Safety	~10%
Medical Imaging physics and equipment 1 non-ionizing radiation (MRI, US)	~10%
Medical Imaging physics and equipment 2 ionizing radiation (DR, NM)	~10%
Radiotherapy Physics	~15%
Other optional modules (Management, IT, etc.)	
MSc project	~25%

## M-level (MSc) project/thesis

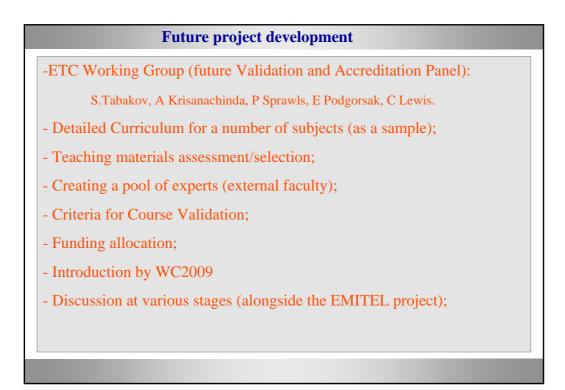
- Suitable subject (a list of existing subjects and sample thesis from various Universities can help this issue);

- Form "Paper-like" (Introduction and Aim; Literature Survey; Material and Methods; Results and Discussion; Conclusion; References);

- Indicative volume ~10,000-15,000 words (50-70 pages), but the main guide should be the type and quality of research;

- Indicative time for development ~min 500-700 hours (max 6 months Full Time);

- Assessment – thesis marking model + oral examination



## **ETC MILESTONES in the period:**

1994-1997

- Global List of Graduate Programs in Medical Physics (continues)
- 1997-2000
- System for supporting (incl. financial) International programs
- Track of Education&Training programs at WC
- 2000-2003
- International Conferences/Workshops on Education&Training
- Intensive development of e-Learning (2004 Leonardo da Vinci Award) 2003-2006
- Project for MSc Model Curriculum
- Project with IOMP as a partner (EMITEL)

