Technical University of Denmark

Introduction to DTU Nutech – Center for Nuclear Technologies

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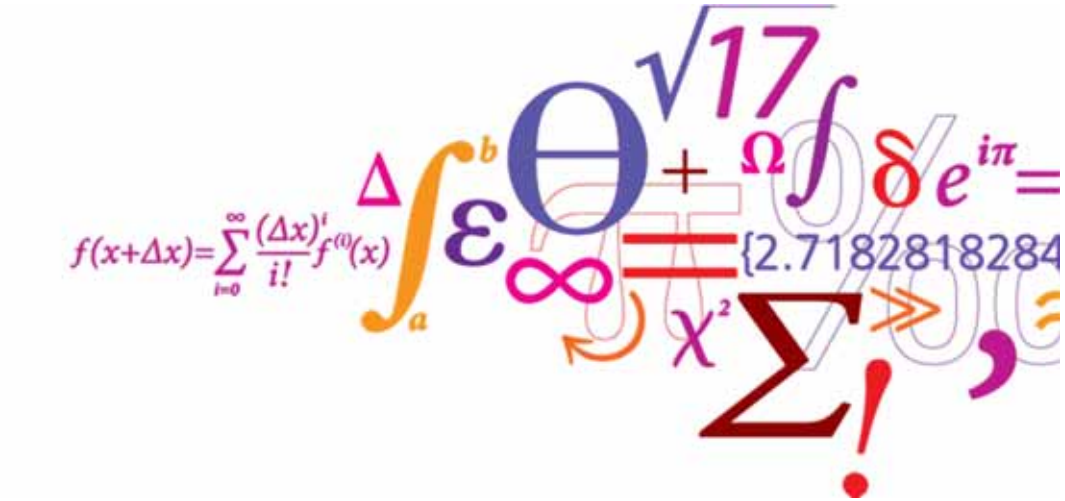
Introduction to DTU Nutech – Center for Nuclear Technologies

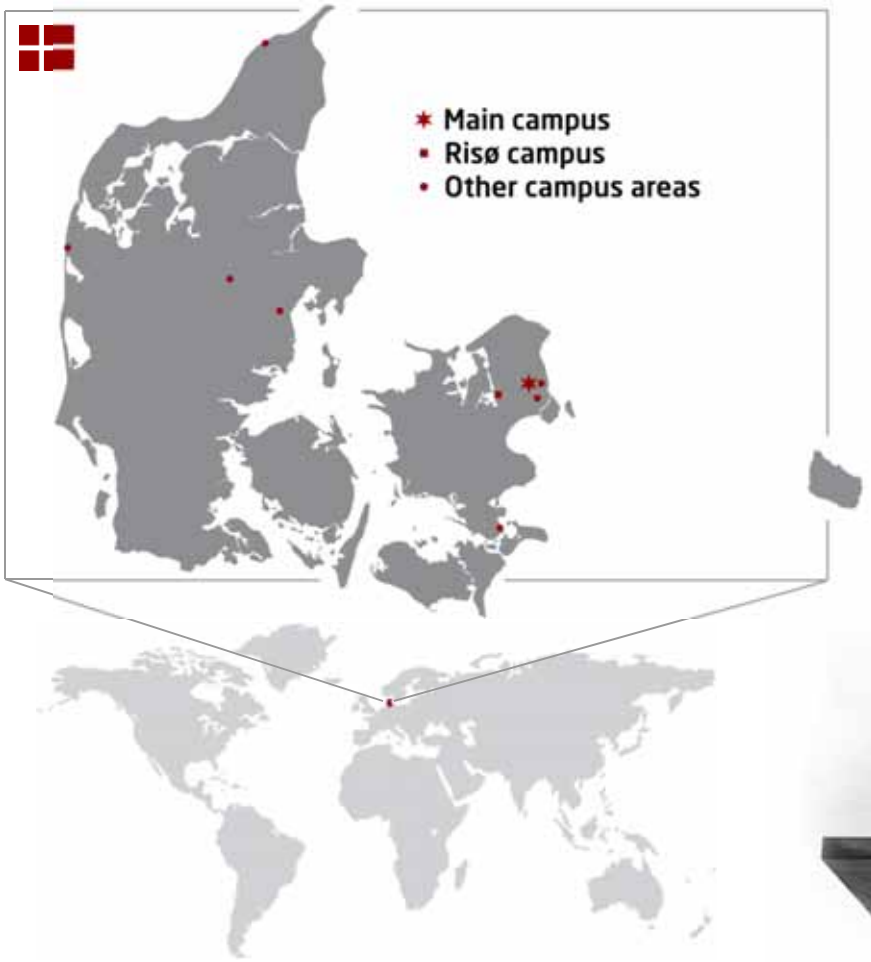
Jens-Peter Lynov
Director



DTU Nutech
Center for Nuclear Technologies

Technical University of Denmark

(founded 1829; first rector H.C. Ørsted)



Key figures

Total students	~8.500
including Ph.D.	1.100
and Int. M.Sc.	400
Research publications	3.600

Ranking

Leiden Ranking 2013:

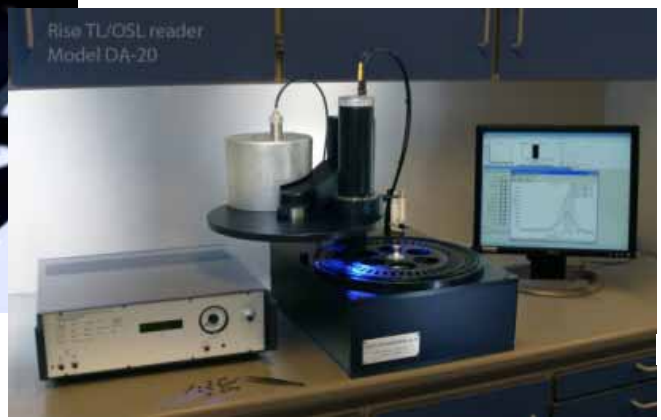
no. 1 in Scandinavia

no. 7 in Europe

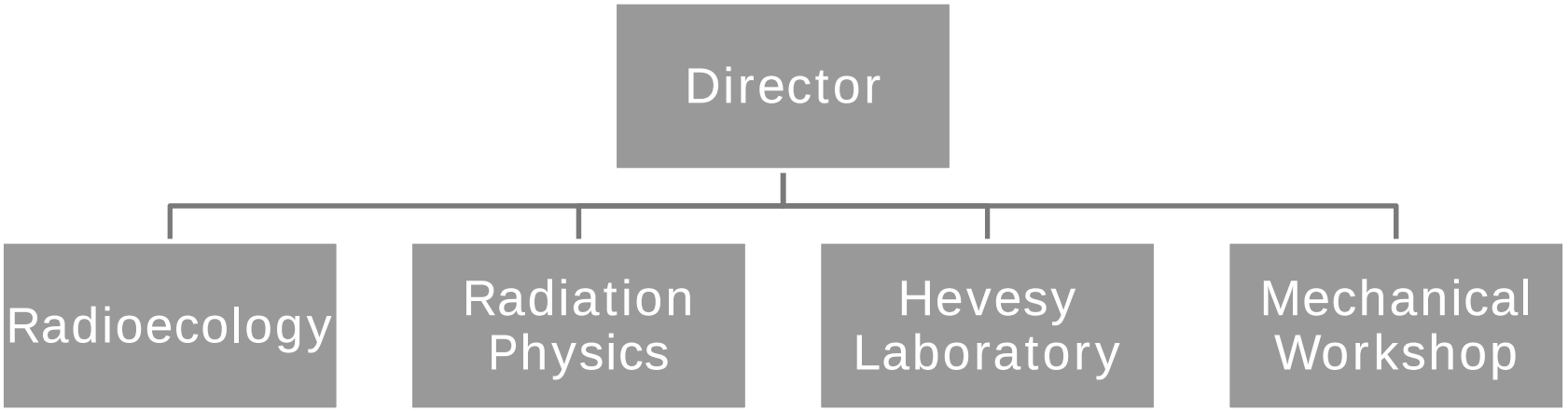
DTU Nutech, Technical University of Denmark

Key figures

- Approx. 80 staff (30 scientists)
- Budget 2013 in million DKR
  - Total income 70,0
  - Basis from DTU 14,4 (21%)
  - Commercial income 42,7 (61%)
  - Scientific Programs 7,2 (10%)
  - Internal sale 5,8 (8 %)

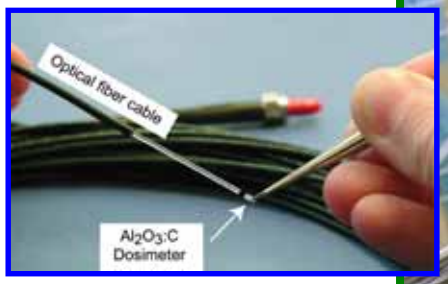


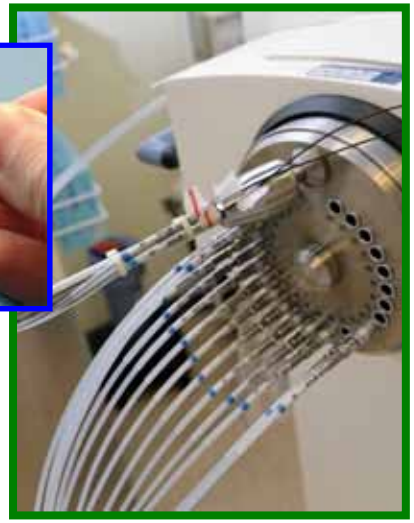
Organization

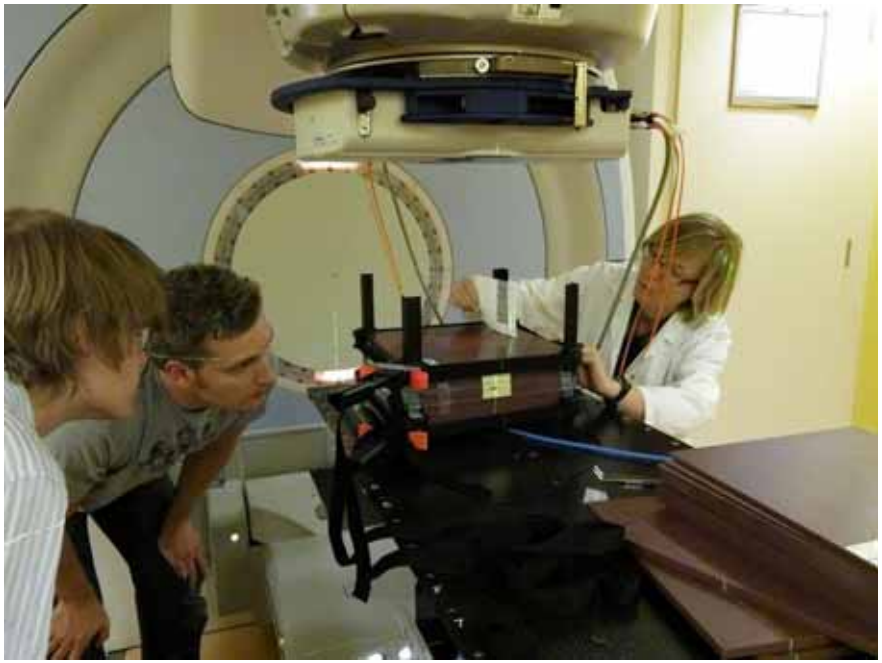


Medical and industrial dosimetry

Reference laboratory
Dose mapping and verification





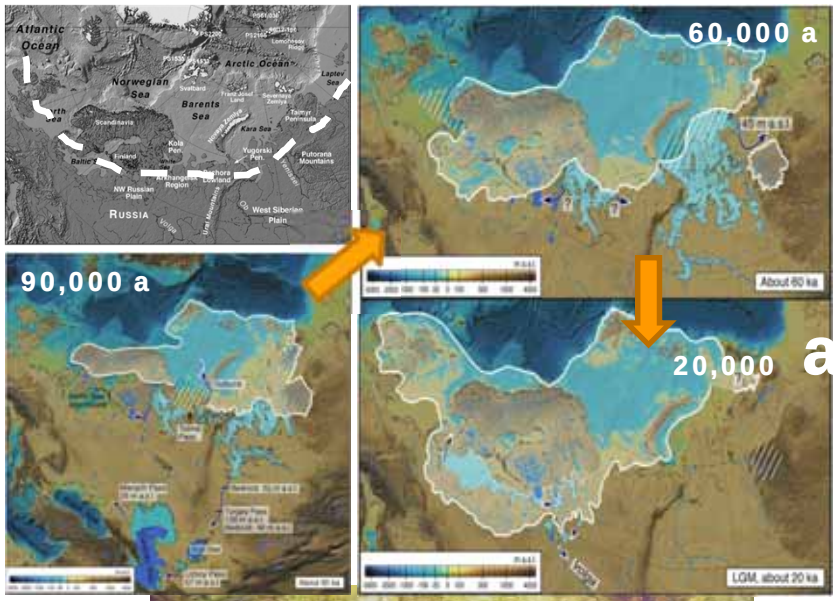


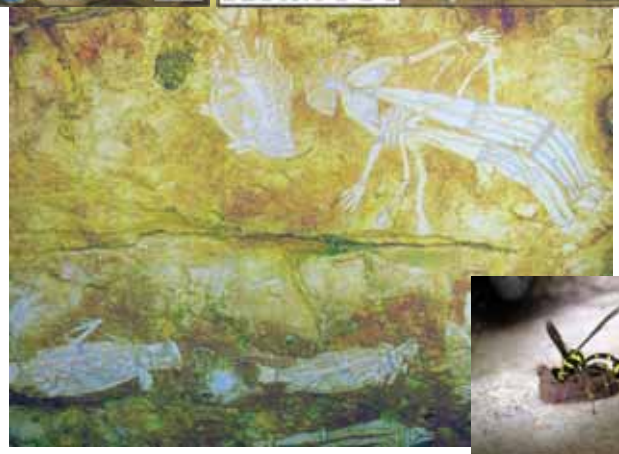
***In-vivo* dosimetry**
Reference dosimetry
… Clinical applications

Retrospective dosimetry

Users / Applications

- **Planetary chronology**
  - Climate Change on Earth and Mars
- **Archaeology**
  - Human evolution / migration
- **Accident Dosimetry**
  - Health
- **Forensic Dosimetry**
  - Terrorism





Hevesy Laboratory
Daily production of radioactive drugs

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Have a nice stay at DTU Nutech!