

# NEA International Radiological Protection School (IRPS)

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## Draft programme outline\*

20 – 24 August 2018  
Stockholm University, Sweden

- ▶ **Starting point: Introduction to the science, principles and structures that form the framework**
  - The International Framework for Radiological Protection
- ▶ **The RP System: Past, Present and Future**
  - *From Past to Present:*
    - overview of what changed from Publication 26 to Publication 103;
    - practice/intervention in exposure situations: the structure of the system
  - *The ICRP Radiological Protection Principles, and their Practical Application, including Nuances and Issues:*
    - justification;
    - optimisation;
    - dose constraints and reference levels;
    - application of dose limits;
    - numerical criteria;
    - stakeholder involvement and prevailing circumstances;
    - individual risk;
    - the RP toolbox
- ▶ **Specific Exposure Circumstances and Standards**
  - *Risk and Post-Accident Circumstances:*
    - modelling risks and detriment;
    - emergency and recovery management;
    - radiological protection of the environment
  - *Medical Exposure Circumstances:*
    - diagnostic and therapeutic RP
  - *Principles and Standards:*
    - why the differences in Standards (ICRP 103, I-BSS, EC BSS Directive, NCRP)
- ▶ **Evolving Issues**
  - underpinning ethics and philosophy;
  - NORM;
  - stakeholder engagement – skills needed
- ▶ **State-of-the-art Radiological Protection Science**
  - radiation biology;
  - epidemiology;
  - social science

\* Each session will include real case studies and participative discussions