

The institute for Communication, General Services, Administration (CSA) deals with communication and knowledge management and co-ordinates courses on the fundamentals and applications of nuclear science. CSA also comprises the administrative, financial, logistic and central technical services, as well as human resources and ICT. The purpose of grouping the supporting services is to form a larger coherence and to ensure a better follow-up of the tasks carried out for the general management and the other institutes.



CSA expert groups

- Human Resources Management
- Purchase, Accounting and Budget
- Information and Communication Technology
- Logistics
- Central Technical Services
- Communication, Education and Knowledge Management

The expert group Communication, Education and Knowledge Management (CEK) has been set up to inform about the tasks, expertise and vision of SCK•CEN, to promote the information supply and to stimulate a debate culture. The CEK activities must lead to knowledge maintenance, facilitate innovation and enlarge the societal basis for nuclear applications. Via internal knowledge management, education, coordination of information flows and openness for debate, CEK will direct its activities in and outside SCK•CEN, on the national and international level, within the scientific world and towards the general public. As regards content, our communication is based on our scientific and technical expertise. It requires a transdisciplinary approach and a continuous reflexion on our position and targets.



Education & Training

Thanks to more than 50 years of experience in the field of peaceful applications of nuclear science, SCK•CEN has garnered a reputation as an outstanding centre of not only research, but also education and training (E&T). The E&T activities at SCK•CEN cover a. o. reactor physics, reactor operation, reactor engineering, radiation protection, decommissioning and waste management.

Our courses are directed to the nuclear and non-nuclear industry, the medical sector, national and international policy organizations, the academic world and the general public. Next to courses, we offer students the possibility to perform their research work at our facilities.

E&T programmes are also organized in cooperation with universities, nuclear power plants and public and private health services. In addition, SCK•CEN is involved in international E&T research networks and projects such as ENETRAP, EUTERP, EUNDETRAF, CETRAD, BNEN and ENEN.

For a complete overview of the E&T activities at SCK•CEN, please turn over.

Education & training activities at SCK•CEN



Training courses

- For professionals from nuclear, non-nuclear and medical industry and national and international policy organisations.
- Topics:
 - Reactor physics, engineering and operation
 - Radiation protection
 - Waste management
 - Decommissioning
 - ...



Radiation protection

SCK•CEN's isRP (international school for Radiological Protection) provides courses on:

- Background and basic knowledge.
- Nuclear expertise and theoretical and practical knowledge required to implement RP aspects in an industrial or medical working environment.

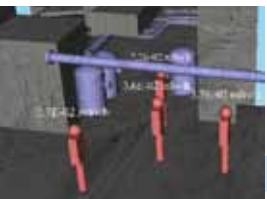
Waste & disposal

- Characterization of radioactive waste packages in relation to its disposal.
 - Site selection and site characterization.
 - Integrated safety assessment modelling.
- The courses are intended for individuals with a controlling or supervising role in radwaste agencies or nuclear control bodies, or for technical experts characterising an existing or new site, characterising waste packages, or performing post-close assessments.



Decommissioning

This course is intended for dismantling project managers, safety engineers, health physicists, decontamination and dismantling operators.



Nuclear technology

- Nuclear reactor statics and dynamics
- Main reactor lines
- Materials issues

More...

- VISIPLAN 3D ALARA planning tool
- Nuclear emergency management



Practical

All course programmes are tailored to the needs of the customer and can be part of a larger modular programme. Lecturers are SCK•CEN experts in their specific nuclear field and transfer directly their theoretical knowledge and practical experience to the trainees.



PhD and post-doc programmes for young scientific researchers

SCK•CEN offers students the opportunity to perform their research work at its facilities. Final-year students and PhD candidates can follow a programme defined by an SCK•CEN mentor, in close collaboration with a university promoter. Post-docs are mainly recruited in specialised research domains that reflect our priority programmes and R&D topics.

Academic courses

SCK•CEN contributes to

- BNEN: Master after Master in Nuclear Engineering
- Radiation Protection Expert course

Policy support

- Contribution to harmonisation of education, training practice and skills recognition through networking.
- SCK•CEN is currently involved in BNEN, ENEN, EUTERP, ENETRAP,...

Research on transdisciplinary aspects of E&T

Understanding the benefits and risks of nuclear technologies requires technical insight, but also an understanding of the context and a sense for societal and philosophical aspects.

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