JRC DEVELOPING NUCLEAR SKILLS AND COMPETENCES

Joint
Research
Centre

JRC139183

WHAT DO WE DO FOR NUCLEAR SKILLS?

JRC as catalyst

We share our knowledge with nuclear stakeholders

JRC as a network player

We join forces with national and international projects and initiatives

JRC raising awareness

We promote initiatives on nuclear skills and competences

We train professionals

We offer well-established training programmes:

- for safeguards inspectors and security officers (e.g. EUSECTRA)
- for other professionals in the field of fuel performance modelling (e.g. Transuranus code)
- for nuclear medical applications (e.g. on Targeted Alpha Therapy)

We open our labs

Sharing JRC labs e.g. via Open Access to JRC nuclear research infrastructure giving the opportunity to hands-on training in a nuclear environment

We monitor HR in nuclear

Monitoring tools in the field of knowledge management or competences and human resources in the nuclear sector within EHRO-N (European Human Resources Observatory for the Nuclear Sector)

We educate trainees

Twice a year, the JRC offers paid traineeships in a multi-disciplinary research environment. The traineeship sessions start in March and October and run for a fixed period of 5 months

We collaborate with Member States

High level research via agreement with universities and other research organisations, fostering scientific excellence: Collaborative Doctoral Partnership, visiting scientists, Marie Sklodowska-Curie actions

We organise summer schools

Summer schools on nuclear decommissioning and waste management, and ESARDA (European Safeguards Research & Development Association) training course

We engage with the young generation

Outreach initiatives for schools at JRC sites, targeting the young generation and raising awareness and interest in the nuclear topic: open days, seminars, interactive workshops, experiments and visits, traineeships for the European schools

We anticipate future needs

JRC organises a pilot foresight workshop, exploring specific needs of a Member State for the maintenance and development of the nuclear skills

JOINT RESEARCH CENTRE'S FACTS AND FIGURES

11 Nuclear research infrastructures are accessible to external users through Open Access

40% of the users are students

112 institutions involved

400 students and professionals

20

113 students

70 different countries

Visiting scientist:

"At the EMMA lab, the initial research ideas could be developed with unique experiments at the JRC sites, from 'just ideas' to full featured science.

Teacher at the European School

"My students and I truly enjoyed the talk about AI use in nuclear forensic. It was well targeted with the right balance of «attractiveness» and challenge. It was a pleasure to have you around, the community really benefits from having outside speakers and «real life» entering the school.

Open Access User:

"...the outstanding infrastructure and know-how of nuclear materials can be combined with national research interests, to pave the way for the education of future scientist in the nuclear sector on a European level.

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Science for policy

The Joint Research Centre (JRC) provides independent, evidence-based knowledge and science, supporting EU policies to positively impact society

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