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## The Nuclear Safeguards and Security Activities under Euratom Research and Training Programme

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Nuclear safeguards and security are absolute priorities for the EU. At technical level, the Joint Research Centre (JRC) as the European Commission's in-house science service plays an important role in the field of nuclear research, training and education that include nuclear safety, safeguards and security. The JRC's nuclear research activities are defined in a Council Regulation on the research and training programme of the European Atomic Energy Community.

The JRC works closely with EC safeguards authority, whose mission is to ensure that nuclear material within the EU is not diverted from its intended use according to Euratom treaty. Technologies, methodologies and trainings are developed according to the Euratom Safeguards inspectorate's needs.

In the area of nuclear security, the JRC contributes to the development of specific expertise in the field of nuclear forensics and border security detection as well as related training efforts for first front-line responders and national experts. The JRC provides its expert support for the implementation of internal EU action plans mainly in the field of radiological and nuclear security.

At an international level, the JRC cooperates with the IAEA mainly through the EC support program on the control of nuclear materials and facilities in order to avoid proliferation or diversion. Close cooperation with IAEA nuclear security is developed through the recent signature of a dedicated practical arrangement.

Key partnerships have also been developed in the field of safeguards and security with the US- DoE, Russia, Japan and China.

In addition, JRC contributes significantly to the EU nuclear safeguards and security outreach activities implemented under the Instrument for Nuclear Safety Cooperation and Instrument contributing to Stability and Peace.

In this paper we will highlight some of the JRC contributions to the enhancement of nuclear safeguards and security at EU and international levels.

### Country or International Organization

European commission

**Primary author:** ABOUSAHL, Said (European commission)

**Co-authors:** GONCALVES, Joao (EC Joint Research Centre); JANSSENS, Willem Alfons Marc (European Commission, Joint Research Centre, ITU, Nuclear Security Unit); AREGBE, Yetunde (EC-JRC-IRMM); PALAJOVA, Zdenka (European commission); LUETZENKIRCHEN, klaus (EC)

**Presenter:** ABOUSAHL, Said (European commission)

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