



Contribution ID: 203

Type: **Contributor (Panel Session)**

JRC Euratom research and training programme in support to Euratom and international safeguards regimes

The European Commission Joint Research Centre (JRC) plays a crucial role in research and training for both Euratom and IAEA safeguards regimes. However, the mission of the JRC is much broader with three quarters of its activities carried out in non-nuclear fields; working on a number of policy issues ranging from food security to machine learning, from nanotechnology to Earth observation. The availability of multidisciplinary knowledge and the JRC unique position at the science-policy interface brings challenges as well as opportunities to address EU policy priorities while coordination remains crucial for efficient delivery of results.

In the context of increasing demand and limited resources, issues as prioritization were addressed in the JRC long term planning which together with organisational changes enabled JRC staff to work in more integrated and efficient way. To enhance multi-disciplinary approaches ten 'priority nexus' were defined linking different research areas (e.g. non-proliferation with cybersecurity, protection of critical infrastructure and CBRN security) to benefit from each other through knowledge transfer. With emphasis put on collaborative approach, the majority of JRC projects are now implemented in partnership with other European Commission services, EU Member States, Euratom partner countries, or International Organisations.

Enhancing synergies with EU MS institutions is one of the JRC priorities together with opening JRC research infrastructure to European research organisations and continues support to operation of the European Safeguards Research and Development Association. Cooperation under R&D agreements with key international partners (i.e. the United States and Japan) goes beyond research; with joint training and outreach activities being an integrated part of the coordination mechanism.

This paper will discuss techniques used in order to coordinate JRC nuclear safeguards research including sound planning, organisational structure, communication, fostering cross-domain collaboration and efficient use of resources while taking into account relevant knowledge from across the scientific community.

Which "Key Question" does your Abstract address?

TEC1.1

Which alternative "Key Question" does your Abstract address? (if any)

TEC1.3

Topics

TEC1

Primary author: Dr PALAJOVA, Zdenka (EC JRC)

Co-author: Dr ABOUSAHL, Said (EC JRC)

Presenter: Dr PALAJOVA, Zdenka (EC JRC)

Session Classification: [TEC] Improving Coordination of Safeguards R&D

Track Classification: Leveraging technological advancements for safeguards applications (TEC)