



Moldova

and its collaboration with
the European Commission's in-house science service,

Joint Research Centre

© Daria Oikara - Fotolia.com



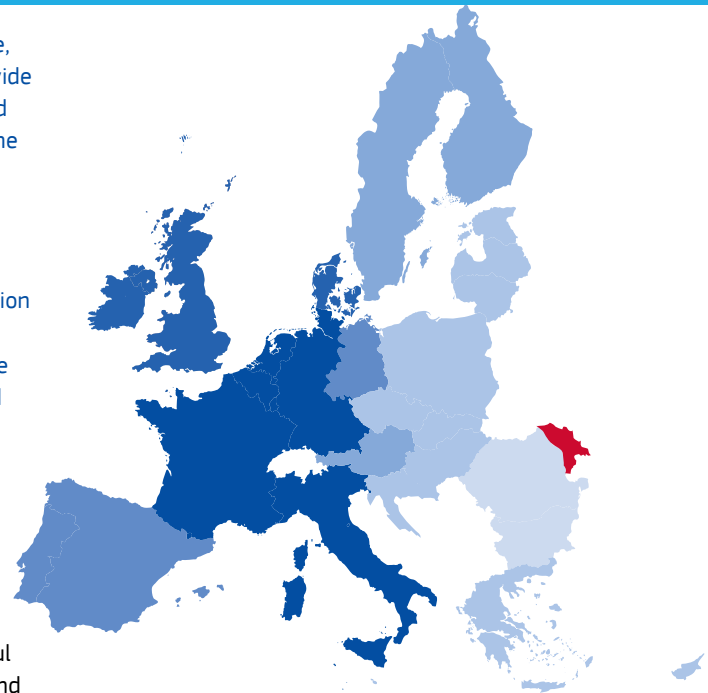
As the Commission's in-house science service, the Joint Research Centre's mission is to provide EU policies with independent, evidence-based scientific and technical support throughout the whole policy cycle.

Working in close cooperation with policy Directorates-General, the JRC addresses key societal challenges while stimulating innovation through developing new methods, tools and standards, and sharing its know-how with the Member States, the scientific community and international partners.

- 3 023 personnel
- 7 scientific Institutes
- 5 sites in Belgium, Germany, Italy, the Netherlands and Spain.

Across Europe, the JRC has built up successful partnerships with a large number of public and private organisations under the EU Research Framework Programmes, the latest being Horizon 2020.

Under its Enlargement and Integration Action (E&IA), the JRC provides scientific and technical support to Horizon 2020 Associated Countries. It supports the transfer of the *acquis communautaire* to national legislation, and facilitates scientific and technical exchange. The JRC promotes close cooperation with Moldova through a range of expert exchange possibilities, such as job opportunities, workshops, training courses and research projects. They currently work together in the areas of nuclear safety and security, smart specialisation in research and innovation, energy, bio economy, the Danube Region, and agricultural and biomass trade.



Key priorities

Economic and Monetary Union (EMU)

Internal market: growth, jobs and innovation

Agriculture and global food security

Low-carbon economy and resource efficiency (environment, climate change, energy, transport)

Public health, safety and security

Nuclear safety and security

Examples of JRC partners in Moldova

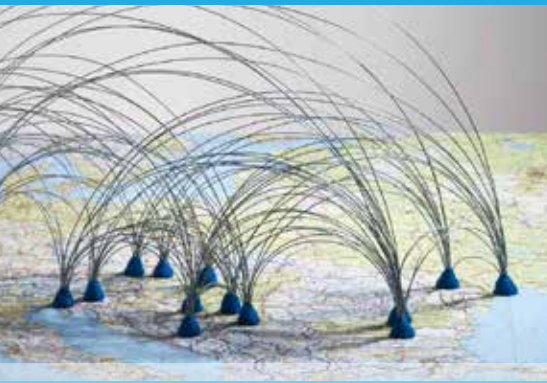
National authorities and laboratories

- The National Agency for Regulation of Nuclear and Radiological Activities (NARNRA)
- National Institute for Economic Research

Academia

- Academy of Sciences of Moldova (ASM)

Examples of collaboration



The Academy of Sciences of Moldova and the JRC's Smart Specialisation Platform are involved in numerous events aiming at assisting and aligning the research and innovation agendas of the Danube countries and regions.

Scientific support to the Danube region strategy

The Smart Specialisation Platform (S3 Platform), managed by the JRC, provides advice to EU countries and regions for the design and implementation of research and innovation strategies (RIS3). It also facilitates their involvement in macro-regional collaboration strategies such as the EU Strategy for the Danube Region (EUSDR). In this context, an effort is being made to improve policy development through the alignment of funding. The S3 Platform also fosters an integrated and coordinated approach at macro-regional level. A strategic combination of activities and partners provides opportunities to expand beyond EU borders. The Academy of Sciences of Moldova is actively involved in numerous events aiming at assisting and aligning the research and innovation agendas of the Danube countries and regions.

The S3 Platform also contributes to the Danube-INCO.NET project, a FP7 action facilitating policy dialogue among 19 project partners. The partners include EU candidate countries such as Serbia, potential candidates such as Bosnia and Herzegovina, and also EU associated countries such as Ukraine and Moldova. <http://s3platform.jrc.ec.europa.eu/home>

Research into nuclear security

The JRC and the National Agency for Regulation of Nuclear and Radiological Activities in Moldova have signed a collaboration agreement to carry out research in the field of nuclear security. This research aims to ensure that scientific findings and innovative solutions borne under this agreement are used to benefit the public. In particular, the agreement aims to provide advice on how to implement the national response plan for nuclear security incidents in Moldova. The collaboration also aims to exclude Moldova as a potential origin or intended place of use of nuclear material seized from illicit trafficking

outside its borders, and to identify origins of nuclear material seized inside Moldova. Under the agreement, the JRC, together with the National Agency for Regulation of Nuclear and Radiological Activities, analyses seized nuclear material in order to determine the origin and intended use of the material, using the JRC's nuclear materials database. The agreement also foresees the compilation of an expertise report together with the national experts. The JRC has developed methods for the analysis of seized materials and set up response plans for incidents involving nuclear material. In addition, it has

extensive experience in the testing and standardisation of detection equipment. A team on standby at all times can respond immediately to a seizure of nuclear materials. A first analysis of the sample can be delivered to the competent authorities within 24 hours of its arrival at the JRC. Training programmes have been developed and are provided to first responders and national experts in the detection and identification of nuclear materials, including improvement of border security.

<https://ec.europa.eu/jrc/en/research-topic/nuclear-safeguards-and-security>

Reference measurements for the detection of nuclear materials

The EU helps to ensure that nuclear energy activities in all Member States are pursued and enforced with the highest standards of nuclear safety, security and non-proliferation. It is fundamental that these EU standards are also harmonised with global initiatives.

The JRC scientifically supports this harmonisation process and the enforcement of EU legislation by developing

standards for reference materials. It is a world-renowned and accredited provider of certified nuclear reference materials, nuclear reference measurements and determines benchmarks for the control of environmental radioactivity measurements and conformity assessments. These help to establish confidence in measurement results of national safety and international safeguards authorities.

It also cooperates with major partners in EU Member States and countries worldwide, as well as with the International Atomic Energy Agency (IAEA) in the areas of nuclear measurements, process monitoring, containment and surveillance and advanced safeguard approaches.

<https://ec.europa.eu/jrc/en/research-topic/reference-materials-nuclear-safeguards-safety-and-security>

Contact the JRC

European Commission
Joint Research Centre (JRC)
Communication Unit
B-1049 Brussels
Belgium
Tel: +32 2 29 74181
Web: <https://ec.europa.eu/jrc/>
Contact: <https://ec.europa.eu/jrc/en/contact/form>

National Contact Point
Dr. Sergiu Porcescu
Center of International Projects
1 Stefan cel Mare Ave., off. 440
Chisinau, MD-2001
Moldova
Tel: +373 22 270774
Web: <http://cpi.asm.md/>
Email: cip@asm.md