



ORIENT- NM
Organisation of the European
Research Community on Nuclear
Materials

A Coordination and Support Action in
 Preparation of a Co-Funded European
 Partnership on Nuclear Materials



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**Work Package 1 – Dialogue with Member States and
 European Commission**

Deliverable 1.1:

Mapping of key national contacts and R&D actors and
 infrastructures

Author(s) name and affiliation	Mónica de Juan González	EERA
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Disclaimer

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List of abbreviations

AC	Associated Country
DPO	Data Protection Officer
EC	European Commission
ECP	European Co-funded Partnership
EJP	European Joint Programme
EU	European Union
GDPR	General Data Protection Regulation
MS	Member State
NCP	National Contact Points
SRA	Strategic Research Agenda
STC	Scientific and Technical Committee
TAG	Technical Advisory Group
WP	Work-package

Summary

The EU-funded ORIENT NM project will explore the possibility and assess the added value of establishing a European Co-Funded Partnership (ECP) on nuclear materials.

Accordingly, ORIENT NM will produce a convincing strategic research agenda (SRA) for materials for all nuclear fission reactor generations, projected until 2040, with special focus on a plan for the first 5 years. This SRA will be consistent with national programmes ensuring that national priorities and expectations are taken into account in the preparation of the ECP on nuclear materials and fuels.

In order to produce the above-mentioned Strategic Research Agenda for the deployment of a European Joint Programme on Nuclear Materials, the ORIENT NM team seeks also to establish a dialogue with the crucial MS representatives. The relevant representatives will then be invited to participate in the ORIENT-NM workshops in order to gather their inputs, feedback and gain their endorsement for the ORIENT-NM project strategy.

In this framework, the objective of this Report is to establish a list of potential relevant stakeholders, especially among the MS, to support the development of a future ECP on nuclear materials under the Euratom Research and training Programme 2021-2025.

Introduction

The objectives of ORIENT-NM are:

1. To design a plan for a European Co-funded Partnership (ECP)¹ on nuclear materials, in all its aspects, as follows:
 - To produce a convincing Strategic Research Agenda (SRA) on materials for all nuclear fission reactor generations projected until 2040, with special focus on a plan for the first 5 years.
 - To elaborate an efficient ECP governance and legal structure.
 - To identify appropriate ways of interactions between the ECP and other bodies and initiatives that bear connections with nuclear materials.
2. Define all of the above in close dialogue with Member States (MS) and European Commission (EC).

Specifically, the main objective of WP1 is to engage Member States representatives in a two-way dialogue:

- **Member States to ORIENT-NM:** to collect information on national programmes, analyse Member States' interest for a European Joint Programme (EJP) on nuclear materials, at which conditions and complying with what rules, e.g.: How is R&D managed at national level? Who are the national actors involved in Nuclear Materials R&D? Is there a national programme on Nuclear Materials? If so, what is its content, and which are the priorities? Which important nuclear facilities are available? Which plans exist for their future? Under which conditions is there availability to share them? Which co-funding schemes does each Member States envisage? Which scientific, technological and socio-economic, challenges do the Member States expect the EJP to help address?
- **ORIENT-NM to Member States:** to provide all information (e.g. SRA from WP2, socio-economic benefits, structure and possible implementation, financial aspects from WP3, interaction with external world from WP4) to facilitate Member States' judgment about the prospects and opportunities offered by an EJP on Nuclear Materials, including use of their experimental infrastructure, in the form of documents and presentations. This dialogue will have to be based on direct contact (e-mail, phone), remote meetings (videoconferences or phone conferences), a preparatory meeting around month 8, and two large workshops organised at months 12 and 24.

Indeed, as an agreed milestone of this WP, a first informal meeting will be organised (involving specifically Member States and Associated Countries) in order to explain the way of working and the objectives of ORIENT-NM, as preparatory meeting of the two workshops foreseen by the project (M12 and M24). In addition, in order to collect information on National Programmes and analyse Member States interest for a Co-

¹ This is the instrument that in Horizon Europe will replace the European Joint Programme (EJP) instrument that was known in Horizon 2020. The project proposal accordingly mentions the EJP instead of the ECP.

funded partnership on nuclear materials (NM) and at which conditions, a survey has been sent to the list of selected relevant contacts².

This deliverable describes the process of development of the list of potential stakeholders to be involved in the development of a ECP on nuclear materials.

Methodology

Firstly, all the project partners were contacted by EERA, leading T1.1 “*Identification of Member States and key national organisation contacts and first approach*” to gather an initial list of relevant contacts. The interested partners include CIEMAT, CEA, CVR, EDF, JRC, KIT, KTH, NCBJ, NRG, RATEN, SCK GEN, VTT and ENEA, leading WP1 “*Dialogue with Member States and European Commission*”.

The representatives of the following representatives’ groups comprised the ORIENT NM contact list:

- Programme Owners intended as officials representing the national bodies responsible of national programmes/strategies/policies relevant to the envisaged Co-funded Partnership on Nuclear Materials (generally representing ministries).
- Programme Managers are managers within national research Institutes/organizations/bodies in charge of execution of programmes/strategies relevant to the envisaged Co-funded Partnership on Nuclear Materials (generally representing research organisations).

Further to the aforesaid groups, the contact details for the following relevant stakeholders’ groups that could be of interest during the implementation of the project have been also collected:

- Euratom Scientific and Technical Committee (STC): it is the consultative Committee that gives advice on all nuclear-related matters. Its members are appointed by the Council following nomination by the Member States, but its members are named in their personal capacity and thus should not act as national representatives.
- Programme Committee – Fission (Euratom Programme Horizon 2020): The Euratom Program Committee is composed of representatives of all the Member States of the European Atomic Energy Community. The Committee advises and directs the European Commission services in the preparation of research project calls in the field of nuclear fission.
- Shadow Fission Committee: The Euratom Program Committee as above, in the shadow configuration, supports the preparation and adoption of the new Research programme. Once the Programme will be officially launched the

² All the data gathered through the survey will be suitably protected in compliance with the EU General Data Protection Regulation (GDPR). The gathered data have been subject to the consent of the recipient, who was invited to insert his/her personal data on the ORIENT-NM platform. The entire process is described in the ORIENT-NM Deliverable 7.1 on Ethical Requirements.

Committee will be fully in force losing its shadow configuration. The new Committee members could be completely new or replacing partially the old ones.

As a second step, to further complete the aforesaid contact lists, the **National Contact Points (NCPs)**³ for H2020 (Euratom) on Nuclear Energy of the left Member States and Associated Countries were contacted to contribute to the project by identifying the **Programme Owners** and **Programme Managers** of their countries for R&D on Nuclear Energy and Materials.

Only the information of contacts of Programme Owners and Managers have been included in the contact list of this deliverable, which are the representatives that have received the surveys described in D1.2 “*Questionnaire to request input from Member States and relevant national committees*”. In this respect, in compliance with the GDPR rules sensitive contact details will not be published, such as telephone numbers and e-mail address, in the following tables, being this deliverable a public document. In any case, a comprehensive copy of the confidential tables will be shared only with the European Commission through the Project Officer in charge.

³ The network of [National Contact Points](#) (NCPs) is the main structure to provide guidance, practical information and assistance on all aspects of participation in Horizon 2020.

List of Contacts

Programme Owners

Country	Governmental body (Ministry, Agency, Departments etc)
FINLAND	Ministry of Economic Affairs and Employment
SPAIN	Agencia Estatal de Investigación / State Agency for Research
SPAIN	CDTI / Center for the Industrial Technological Development
SPAIN	General Secretariat for Research / Ministry of Science and Innovation
BELGIUM	Director Nuclear Applications / Belgian Ministry of Economy and Energy
THE NETHERLANDS	Ministry of Economic Affairs and Climate, Directorate Electricity
ROMANIA	Ministry of Economy, Energy and Business Environment
ITALY	Ministero dello Sviluppo Economico
ITALY	Agenzia nazionale per le nuove tecnologie, l'energia e lo sviluppo economico sostenibile
ITALY	Università Politecnico di Milano CIRTEN Italian Consortium for Nuclear Technological Research
GERMANY	FEDERAL MINISTRY FOR ECONOMIC AFFAIRS AND ENERGY
FRANCE	Comité Technique Euratom
FRANCE	Ministère de la Transition Écologique et Solidaire
FRANCE	Représentation permanente de la France auprès de l'Union européenne
FRANCE	Ministère de l'Enseignement supérieur, de la Recherche et de l'Innovation
SLOVENIA	Slovenian Research Agency (ARRS)
LATVIA	Ministry of Education and Science
MALTA	Malta Council for Science and Technology
CROATIA	Ministry of Science and Education
HUNGARY	Vice President for Science and International Affairs, National Research, Development and Innovation Office

Programme Managers

Country	Institution/organisation/Body	Programme/Strategy/Policy
FINLAND	VTT	SAFIR2022
FINLAND	VTT	KYT
SPAIN	CIEMAT	(Mandate from the Ministry of Science and Innovation as reply of ORIENT-NM request)
THE NETHERLANDS	NRG	National nuclear R&D programme; currently EZS 2020; as from 2021 EZS 2021-2024
ROMANIA	RATEN	CANDU Fuel Channel
ROMANIA	RATEN	Steam Generator
ROMANIA	RATEN	Advanced reactors
ITALY	Ministero dello Sviluppo Economico	Delegato SET Plan Ministero dello Sviluppo Economico
ITALY	Agenzia nazionale per le nuove tecnologie, l'energia e lo sviluppo economico sostenibile	Head of the Fusion and Technology for Nuclear Safety and Security Department, President of NUCLECO S.p.A.
ITALY	Agenzia nazionale per le nuove tecnologie, l'energia e lo sviluppo economico sostenibile	Steering Committee EERA JPNM, SET-PLAN, Steering Committee NEA
ITALY	Agenzia nazionale per le nuove tecnologie, l'energia e lo sviluppo economico sostenibile	NUGENIA
ITALY	ANSALDO NUCLEARE	ESNII
ITALY	Univerità Politecnico di Milano	CIRTEN Italian Consortium for Nuclear Technological Research
ITALY	Agenzia nazionale per le nuove tecnologie, l'energia e lo sviluppo economico sostenibile	Head of the Italian Task Force on Innovative Lead Cooled Reactors
GERMANY	Gesellschaft für Anlagen- und Reaktorsicherheit (GRS) gGmbH	Project management Agency for the FEDERAL MINISTRY FOR ECONOMIC AFFAIRS AND ENERGY
FRANCE	Commissariat à l'Energie Atomique et aux énergies alternatives	Chef du Programme Réacteurs de 4e génération. Member of ESNII TF and CB
FRANCE	IRSN	Member of NUGENIA GB
FRANCE	EDF	Secrétaire général de NUGENIA
FRANCE	EDF	Representant France AG FORATOM
FRANCE	SFEN	Déléguée Générale de la Société Française d'Énergie Nucléaire (SFEN) membre FORATOM
FRANCE	CEA	FORATOM
HUNGARY	Centre for Energy Research	Director-general

GREECE	Institute of Nuclear & Radiological Sciences and Technology, Energy & Safety (INRASTES) / National Centre for Scientific Research "Demokritos"	Research Director
SLOVENIA	Jožef Stefan Institute	Head of Reactor Engineering Division
BELGIUM	SCK-CEN	Director General
LATVIA	Institute of Solid State Physics, University of Latvia	Deputy Director, Person responsible for the EUROfusion project
BULGARIA	Nuclear Research and Nuclear Energy (INRNE)	