



CONNECT-NM kick-off meeting

Dates: 2-4 October 2024

Venue: Auditorium of CIEMAT, Avda. Complutense 40, Madrid, Spain

Registration link: <https://www.eventbrite.be/e/connect-nm-kick-off-meeting-tickets-925160679497?aff=oddtcreator>

Deadline for registration: 20th of September 2024

The kick-off meeting of CONNECT-NM intends to be the occasion not simply for launching the activities of the Partnership on nuclear materials but, first and foremost, to create connections with stakeholders, ranging from other partnerships to associations, international organisations, projects of relevance and, in general, past practices and initiatives from which to learn.

For this reason, the meeting will be held over three days, according to the agenda given in the next pages.

The meeting will be in person. No possibility to attend remotely will be foreseen. Only speakers from outside the Partnership will be exceptionally enabled to talk remotely (denoted with * in the programme). The goal of the meeting is for people to meet and talk beyond, strictly, the content of the presentations.

Mandatory registration is now open: please follow this [link](#) and register before Sept. 20th, 2024.

Important registration and arrival-related information:

- 1) Please be aware that entering CIEMAT requires an **ID-checking process** to deliver a badge. Therefore, participation will not be possible without timely registration in which you need to **indicate the Identification Number of your (National) identity document (ID)**. Furthermore, **remember to bring this ID** for your in-person registration at CIEMAT.

*remote presentations



- On the first day of the meeting on 2 October, in order to avoid delays, we highly recommend that all participants arrive early, at 8:30 am or even earlier, as the entering procedure at CIEMAT with ID-checking and badge delivery may take time.
- 2) Once you click on the registration link above, you will be prompted to an Eventbrite page, the platform used for registration. Once there, click on **Select tickets**. Once at the tickets section, please select those for the days you plan to be present.
 - 3) Once you register, you will receive two automatic emails from Eventbrite, the platform used for registration. **You do not need to take any additional action regarding your tickets**, neither download them nor access an app. These mean that your registration has been successfully recorded and we have the information required.

The **meeting information pack is available** at the following [link](#). Notably, this document provides key details on how to get to CIEMAT, as well as a list of recommended hotels near the venue.

In case of questions related to the agenda, please contact the CONNECT-NM Coordinator, Lorenzo Malerba (CIEMAT) at lorenzo.malerba@ciemat.es. For registration or logistics related questions, please contact Mareike Kiwitt (CIEMAT), mareike.kiwitt@ciemat.es, or Maria Luisa Fernandez Vanoni (EERA), ml.fernandez@eera-set.eu.

We are looking forward to welcoming you in Madrid!

*remote presentations



Day 1			02/10/2024		
8:30	9:15	Arrival through the main entrance (Badge delivery - please be there early as this process requires ID verification)			
Morning session		Introduction & Partnerships		Chair: Marta Serrano	
9:15	9:30	<u>Yolanda Benito</u> , director of CIEMAT		CONNECT-NM - Introduction from CIEMAT	
9:30	9:45	<u>Joaquín Serrano</u> , State Research Agency		The Spanish State Research Agency and its role in international programmes	
9:45	10:00	<u>Carlos Hidalgo</u> , director of the National Fusion Laboratory		Materials research and validation strategies to bring fusion energy for society	
10:00	10:30	<u>Mykola Dzubinski</u> , EC - DG RTD - Euratom unit		CONNECT-NM – kick-off meeting	
10:30	11:00	* <u>Guilherme Cardoso</u> , NuclearEurope		Nuclear Energy in Europe in 2024	
11:00	11:30	Break			
11:30	11:50	<u>Jean-Christophe Gariel</u> , IRSN – coord. PIANOFORTE		The PIANOFORTE partnership on radiation protection research	
11:50	12:10	* <u>Louise Theodon</u> , Andra – coord. EURAD2		European Joint Programme on Radioactive Waste Management: key achievements and challenges	
12:10	12:30	* <u>Ambrogio Fasoli</u> , Eurofusion – Programme Manager		EUROfusion status and perspectives	
12:30	13:00	<u>Lorenzo Malerba</u> , CIEMAT – coord. CONNECT-NM		CONNECT-NM: Co-funded European Partnership on Nuclear Materials	
13:00	14:30	Lunch			
Afternoon session		Stakeholders		Chair: Lorenzo Malerba	
14:30	15:00	<u>Amaya Igartua</u> , Tekniker		Innovative Advanced Materials partnership (IAM4EU)	
15:00	15:30	<u>Per Seltborg</u> , SSM		The regulator’s point of view	
15:30	16:00	<u>Charles Toulemonde</u> , EDF – coord. OFFERR		OFFERR, a European project to mutualize nuclear experimental infrastructures in Europe	
16:00	16:30	Break			
16:30	17:00	* <u>Alice Dufresne and Michelle Bales</u> , NEA		Interactions between CONNECT-NM and NEA (provisional)	
17:00	17:30	* <u>Helge Stein</u> , TUM		Engineering of Science (the BIGMAP project)	
17:30	18:00	* <u>Meimei Li</u> , ANL – AMMT DOE Nucl. Energy Project		U.S. Department of Energy Office of Nuclear Energy Advanced Materials and Manufacturing Technologies (AMMT) Program	
18:00	End of day 1				

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Day 2		03/10/2024	
8:45	9:00	Arrival	
Morning session		Research lines	
09:00	10:30	<i>RL3: Materials & component qualification: testing, standardisation & design rules – chair: Massimo Angiolini</i>	
9:00	9:30	Xavier Borras , I-TRIBOMAT GmbH: The EU Tribology Centre	Setting up the European Tribology Centre
9:30	10:00	Davide Pizzocri , Polimi, and Marjorie Bertolus , CEA	Towards accelerated qualification of nuclear fuel
10:00	10:30	Massimo Angiolini , ENEA - Research Line Leader	Materials & component qualification: testing, standardisation & design rules in CONNECT-NM
10:30	11:00	Break	
11:00	12:30	<i>RL4: Non-destructive examination & materials health monitoring – chair: Madalina Rabung</i>	
11:00	11:30	Andreas Schumm , EDF	NDE on nuclear materials – an industry perspective
11:30	12:00	* Bastien Poubeau , IRSN	Euratom project FIND: Structural Health Monitoring, Digital Twins and other advanced instrumentations to prevent and mitigate accidents in existing nuclear reactors
12:00	12:30	Madalina Rabung , Fraunhofer IZFP – Research Line Leader	Non-destructive examination & materials health monitoring in CONNECT-NM
12:30	14:00	Lunch	
Afternoon session		Research lines	
14:00	15:30	<i>RL2: Advanced materials development and manufacturing – chair: Marialuisa Gentile</i>	
14:00	14:30	Özlem Özcan , BAM	State-of-the-art in MAP development: Best practices for application to materials in nuclear applications
14:30	15:00	Saco Nakamae , CEA – Coord. EU-MACE	COST Action EU-MACE: European Materials Acceleration Center for Energy
15:00	15:30	Marialuisa Gentile , Newcleo - Research Line Leader	Advanced materials development through MAPs in CONNECT-NM
15:30	16:00	Break	
16:00	17:30	<i>RL5: Advanced materials modelling and characterization – chair: Maria Oksa</i>	
16:00	16:30	Grace Burke , INL, P. Em. Manchester University	The Critical Role of Advanced Microstructural Characterization in Understanding and Modeling Materials Performance
16:30	17:00	* Laurent Béland , Queen’s University Kingston, Canada	Machine learning and nuclear materials: progress, opportunities, challenges
17:00	17:30	Maria Oksa , VTT – Research Line Leader	Advanced materials modelling and characterization in CONNECT-NM
17:30		End of day 2	

*remote presentations



Day 3			04/10/2024		
8:45	9:00	Arrival			
Morning session 1		Research lines			
09:00	10:30	<i>RL1: Nuclear materials knowledge & data management – chair: Michał Pecelerowicz</i>			
9:00	9:30	Gerhard Goldbeck , Goldbeck Consulting Ltd., on EMMC	EMMC - European community activities in materials modelling, digitalisation, interoperability and data standards		
9:30	10:00	* Costas A. Charitidis and Theodoros Tsatsoulis , Nat. Tech. U. Athens	EMCC - European Materials Characterisation Council		
10:00	10:30	Emanuele Ghedini , UniBo, Research Line Advisor, and Michał Pecelerowicz , NCBJ, Research Line Leader	Data and Knowledge Management: Goals, Challenges, and Approaches in RL1/WP4		
10:30	11:00	Break			
Morning session 2		Role of Platforms		Chair: Lorenzo Malerba	
11:00	11:30	Ivan Matejak , EERA	Role of EERA and potential of future collaboration		
11:30	12:00	Gabriel Pavel , ENEN	ENEN-what it is and how it can contribute to the project		
12:00	12:30	Abderrahim Al-Mazouzi , EDF – SNETP representative	SNETP contribution to CONNECT-NM (provisional)		
12:30	13:30	Lunch			
Afternoon session		Transversal activities and organisation of calls		Chair: Marta Serrano	
13:30	14:00	Marjorie Bertolus , CEA	WP2: Education, training and access to infrastructures		
14:00	14:30	Maria Luisa Fernández Vanoni , EERA	WP3: Communication, dissemination and result exploitation		
14:30	15:00	Lorenzo Malerba , CIEMAT	WP1: Coordination and daily management, call organisation		
15:00	15:30	All	Wrap up, discussion and closure		
15:30		End of meeting			

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