



SANDA

Supplying Accurate Nuclear Data for  
energy and non-energy Applications



HORIZON2020



DE LA RECHERCHE À L'INDUSTRIE

## SANDA – Task 6.2

**Sustainable framework for  
the coordination of the  
European nuclear data  
research (CIEMAT, CEA,  
CNRS, JRC)**

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S. Leray



## CIEMAT, CEA, CNRS and JRC

### ► Objectives (from the GA)

- identification of potential partners and contact points at the different Member States.
- follow-up and identification of tools for joint programming for FP9: EJP or similar
- identification of potential program for the ND community in a 5 to 10 years horizon covering all the domains of applications of nuclear data
- preparation of documentation and visits to Member States (MS) representatives with influence on the EURATOM programs, European technological platforms and other bodies of influence on the EURATOM programs, to explain the ND community, its needs of a long-standing framework for coordination, and the possible instruments to establish that framework
- preparation of one meeting of the ND community with interested Member States (MS) representatives, European technological platforms and other relevant stakeholders maintaining and clarifying the link to the JEFF project
- identification of ways and frameworks to maintain our community effort and to reinforce links between experimentalists, theoreticians and evaluators around a common ambition

### ► Deliverable - D.6.2: Report on a sustainable framework for the coordination of the European nuclear data research, CEA, **Month 36**, Public

### ► No milestone

- ▶ The Horizon Europe framework programme (FP9) was launched on February 2
- ▶ Work Programmes should be published by April
- ▶ Draft of EURATOM WP 2021-2022 circulating between EC and member states
  - No call expected on Nuclear Data since SANDA ends in August 2023
  - However EC has a multiannual approach and strategic orientations for the whole 2021-2025 period: **we should try to have Nuclear Data cited as a possible cross-cutting action between Fission, Fusion and Non-power Applications in the WP 2023-24**
  - There should be a call to support access to facilities in Nuclear Research. However, it seems dedicated to all types of facilities. **Not clear if facilities for Nuclear Data could apply and if yes maybe not interesting if the budget is shared among too many types of facilities.**
- ▶ EJP (European Joint Programming) is replaced by Co-Funded European Partnership (CFEP)
  - **Euratom co-funding is expected to be at 55% for the new Partnerships, with budget committed in annual instalments over the 5 years**
  - **Need of a strong commitment from Member States**
  - **A CFEP could probably include funding of access to Nuclear Research Facilities used for Nuclear Data measurements**

- ▶ **2021: Preparing arguments to convince EC and MS to fund a CFEP**
  - Estimate of recurring resources currently allocated by the Funding Agencies to ND, in particular in terms of personnel. **Part of these resources could be used to cover the 45% needed from the MS in the CEFP.**
  - **Need for a strong communication** to convince FA that ND are important and that the previous European projects have had a beneficial impact and could have an even greater impact with a CFEP in many domains of applications.
  - **Identification of the main lines of a program for at least 5 years** for the ND community covering all the domains of applications of nuclear data and **main partners that could form the core group of the CFEP.**
  
- ▶ **2022: Negotiations with MS and elaboration of a proposal for a CFEP**
  - visits to Member States (MS) representatives, European technological platforms and other bodies of influence on the EURATOM program
  - **Elaboration of a more detailed program, list of partners, and definition of the organization of the community** in view of a proposal for a CFEP that could appear in the WP 2023-24
  
- ▶ **2023 (if the CFEP has a chance to be funded): final definition of the CFEP**
  - End of SANDA (extended up to beginning 2024 ??)
  - Preparation of the response to the potential call (that could be published mid 2023?) for a CFEP beginning spring 2024 ?
  
- ▶ **Deliverable - D.6.2: Month 36 -> 42**

We need to define concrete actions for the next months, a schedule, **and who can contribute** to these different actions

Tentative list and schedule:

► **Mid 2021:**

- Estimate of recurring resources currently allocated by the Funding Agencies to ND, in particular in terms of personnel
- Establishment of a core group of partners that will elaborate the CFEP

► **Autumn 2021:** main lines of a program for at least 5 years for the ND community covering all the domains of applications of nuclear data

► **Communication towards MS and EC**

- **March-October 2021:** Preparation of documents to be distributed to stakeholders, Member States (MS) representatives with influence on the EURATOM programs, European technological platforms, Funding Agencies, EC representatives (EURATOM and general program), industry, etc... showing examples of the importance of ND particularly for societal challenges and success stories from the previous ND projects : there could be two versions, a very short one (a flyer) and a longer one (a booklet) **made with communication professionals**
- **End 2021:** an event (preferably in Brussels) gathering all these people where the examples of the documentation and the possible program for the future would be presented and discussed.