



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)**

11 March 2022

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

- ▶ **EURATOM WP 2021-2022: evolution compared to previous Euratom programmes**
 - Increased emphasis on non-power application of nuclear science in the health and medical sectors
 - A large part of the Programme to be carried out through co-funded European Partnerships: fusion energy (EUROFUSION), radioactive waste management (EURAD-2) and radiation protection (PIANOFORTE),
 - No call for Nuclear Data

- ▶ **WP 2023-2024: Draft orientations circulating**
 - Co-funded EU Partnership foreseen for nuclear materials
 - Emphasis on SMRs

- ▶ **Try to set the bases for a Co-funded EU Partnership for our domain?**
 - **A broader scope is probably necessary:** Basic data (including chemistry, material physics...) for nuclear power (fission and fusion) and non-power applications ?
 - **Ask for a CSA in WP 2023-2024** to prepare for a Partnership in 2025 (small gap with SANDA if prolonged by one year)
 - **Prerequisite:** a few member states ready to support and contribute to the co-funding

- ▶ **2022: convincing EC and MS of the interest of a Co-funded EU partnership**
 - 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 35% needed from the MS in the Partnership.**
 - **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 Partnership in many domains of applications, **in particular on maintaining and further developing the nuclear expertise.**
 - **Goal: Call in WP 2023-2024:** Towards a European Partnership on basic data for energy and non-power applications (CSA).
- ▶ **2023: Answer to the call for a CSA (if there is such a call)**
 - **Identification of the scope and main lines of a program for at least 5 years** for the basic data community covering all the domains of applications and **main partners that could form the core group of the Partnership.**
- ▶ **2024: Preparation of the Partnership in the framework of the CSA**
 - **Elaboration of a detailed program, list of partners, and definition of the organization of the community** in view of a proposal for a Partnership that could appear in the WP 2025
- ▶ **Deliverable - D.6.2: Month 36 -> 48**
 - Report on the efforts done

We need to define concrete actions for the next months, a schedule, **and who can contribute** to these different actions : **Specific T6.2 meeting needed**

Tentative list and schedule:

► **Mid 2022:**

- Estimate of recurring resources currently allocated by the Funding Agencies to ND, in particular in terms of personnel
- Contact with other basic data communities
- Establishment of a core group of partners that could contribute to the CSA

► **Autumn 2022: overall scope and general objectives of the Partnership**

► **Communication towards MS and EC**

- **March-October 2022:** 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 2022:** 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.



Thank you for your attention



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