PIANOFORTE: priority setting for R&I calls

MEENAS Webinar 6 May 2022 - European radiation protection: from EJP-CONCERT to the PIANOFORTE partnership and beyond
## PIANOFORTE: Work Packages

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Workpackage 2: Research and Innovation Calls

- Major part of the PIANOFORTE budget for Research and Innovation projects: **core of PIANOFORTE!!**
- This scientific and technological advancement will form the bases of all improvements in radiation protection.

**IMPORTANT:**
- Open calls
- Competitive call system
- Research priorities based on the objectives from PIANOFORTE
- Independent organisation of open calls: WP7

- 3 calls with the 5 years of PIANOFORTE
- WP2 major task: defining research priorities, with input from WP3 (stakeholders input)
Set up the research priorities for 3 open calls

- Lead NNK (Katalin Lumniczky), Partners: CIEMAT, SSM, SCKCEN, all POMs, all Platforms
- Main input:
  - **CONCERT Joint Roadmap**
  - **Strategic Research agenda’s of the 6 platforms of MEENAS**
  - **POM input: priorities should be aligned with the priorities from participating Member States**
  - **Input from EURATOM Scientific and Technical Committee (STC)**
  - **Alignment with EURATOM and H2020 projects and initiatives (SAMIRA, MEDIRAD, ...)**
  - **Radiation Protection stakeholder input (through WP3 and Stakeholder Advisory Board)**
- Calls must reflect a multidisciplinary and transnational approach
- Priorities should integrate global EU policies
- Should be aligned with the 3 pillars defined by Horizon Europe: excellent science, industrial leadership, societal challenges
- Coordination between WP2, WP4 and WP5 will assure harmonization among research activities, E&T and infrastructural guidelines
Steps for prioritisation

a) A first synthesis based on: Joint Roadmap, Horizon Europe priorities, EURATOM STC input, EURATOM call priorities

b) A feedback round with the 6 European Radiation Protection Platforms (SRA input)

c) Direct stakeholder involvement with the stakeholder advisory board

WP3: online target group consultations and points of contact to related entities and organisations

d) Input from POM’s

e) Cross check with international initiatives and on-going and planned European projects and actions

f) Finalisation of the research priorities by the Executive Board and the General Assembly of PIANOFORTE
PIANOFORTE: concept

Systematic stakeholder involvement strategy
Prioritisation: difficult and sensitive task...

For a fair selection everybody has to take the same exam: please climb that tree

All important topics / SRAs

Priority call topics
After each call: evaluation of process

- Lead: CIEMAT (Almudena Real Gallego); Participants: NNK, SSM
- An evaluation of the prioritization procedure of each call will be performed after the close of each call procedure
- Document and analyze feedback received from all interested partners
- Summarize the main conclusions and lessons learned
Scientific follow up and integration of the research projects

- Lead STUK (Teemu Siskonen); Participants: SCK CEN, CEA, INSERM, NCRPP, ISS, U. Exeter
- Goal in PIANOFORTE: to have **focused calls**
  - Different calls can focus on different sub-priorities
  - Not every time same broad call text
  - So some selected projects will work on different aspects of the same priority
- **Synergies between projects need to be managed**
  - to avoid overlap and to maximise the projects’ impact: topical workshops
- A systematic follow-up and analysis of project outcomes will be carried out: monitoring of scientific progress
- Capture the innovation and development and steer towards application: applications and recommendation forming
- Particular attention will be given to the integration of social sciences and humanities in funded projects.
Other WP2 tasks: update of Joint Roadmap

- Lead: SCK CEN (Nathalie Impens), Participants: JSI, ENEA, EK, all Platforms
- By end of PIANOFORTE: update JRM taking into account scientific progress and evolution of societal needs
  - Analysis of stakeholder feedback on the 1st edition of the Joint Roadmap
  - Identification of changes affecting the Joint Roadmap including the update of platform SRAs
  - Drafting of the updated Joint Roadmap for radiation protection research (M48)
  - Review of the draft and publication through stakeholder consultation through a questionnaire and live/online events
- Second edition of the Joint Roadmap for radiation protection research
Other WP2 tasks: Integration of Artificial Intelligence in Radiation Protection

- Lead NCSRD (Spyros Andronopoulos), Partners: NCSRD, IRSN, OVGU, UEhek
- This task will coordinate, harmonize and stimulate activities related to the application of Artificial Intelligence (AI) and big data approaches in radiation protection topical fields.
  - Review on AI implementations in RP
  - Interaction with scientific communities specializing in AI
  - Promoting the uptake of AI in R&I calls
  - Ethical challenges of AI
Call 1 timeline: as fast as reasonably achievable

Call 1
- priority setting
- feedback SAB, POMs, platforms
- SH direct involvement
- finalize call priorities ExB/GA
- preparation call docs WP7
- launch call
- application time
- selection of projects
- administration
- projects start
Calls timeline: in absolute time....

- Start PIANOFORTE: June 2022
- Launch call: **March 2023**
- Deadline application: June 2023
- Start project: **December 2023**

- We will try to be faster if possible...

- Next calls:
- Call 2:
  - Launch: **March 2024**
  - Deadline application: June 2024
  - Start project: **November 2024**

- Call 3:
  - Launch: **March 2025**
  - Deadline application: June 2025
  - Start project: **November 2025**

- PS: research can run until after official end of 5 years from PIANOFORTE
WP 7: Organisation and management of R&I Open Calls

- The aim of WP7 is to organize and manage three international open research calls.
- This WP and the call process is designed to achieve the highest level on major ethical issues:
  - Ensuring transparency, whilst maintaining confidentiality of processed information,
  - Preventing the occurrence of conflicts of interest,
  - Ensuring equal treatment of the applications made in response to its calls,
  - Taking decision on the sole basis of scientific quality and expected implementation performance and impact with respect to PIANOFORTE’s overall objectives.

- **The team involved in WP7 will not respond to the open research calls.**
- Partners: NCBR (Poland), UEFSCDI (Rum), MUR (Ita)
  - Task 7.1: Setting up a Calls Secretariat and Call Steering Committee (CSC)
  - Task 7.2: Preparation of the Open Call documents and launch of the calls
  - Task 7.3: Implementation of the open calls
  - Task 7.4 Quality management of open research calls procedures
Conclusion...

Wish us good luck to bring all radiation protection aspects together in widely accepted priority topics...