Status of EURATOM 2023-2024 and radiation protection research

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NUCLEAR SCIENCE AND IONISING RADIATION APPLICATIONS, RADIATION PROTECTION, EMERGENCY PREPAREDNESS

“Most of the fundamental research questions arising in radiation protection would be dealt by the Partnership. Any supplementary actions will be implemented in synergy with Horizon Europe’s Health cluster, Mission on Cancer, and guided by the research roadmap (expected in 2023) as well as feedback from SAMIRA initiatives. As this guidance will be available after the preparations for the Work Programme 2023-2024, new actions in this field could be launched in the Euratom Work Programme 2025”.

SAMIRA Action Plan: Radiological and nuclear technology in support of Europe's Beating Cancer Plan
Commissioner for Energy, Kadri Simson, said: “Safe medical use of radiological and nuclear technology is a highly useful tool in our arsenal and is already benefitting hundreds of millions of patients across Europe. This action plan will ensure that the EU continues to be the global leader in supplying medical radioisotopes and developing radiological diagnostics and treatments, while applying the highest quality and safety standards.”

Commissioner for Health and Food safety, Stella Kyriakides, said: “With Europe’s Beating Cancer Plan, we will take action to ensure that we screen more, and that we screen better. And to do so, we need to have radiation technology that is safe and of high quality. Radiological imaging is indispensable for early cancer detection and diagnosis, and more than half of cancer patients will undergo radiotherapy.

SAMIRA Action Plan: Radiological and nuclear technology in support of Europe's Beating Cancer Plan

SAMIRA Actions include:

1. The Commission will establish a European Radioisotope Valley Initiative (ERVI) to maintain Europe's global leadership in the supply of medical radioisotopes and help accelerate the development and introduction of new radioisotopes and production methods.

2. The Commission will launch a European Initiative on Quality and Safety of medical applications of ionising radiation, to ensure that diagnostic and therapeutic uses of ionising radiation in Member States operate in line with the highest standards.

3. The Commission will create synergies between the Euratom Research and Training Programme and the 'Health' cluster of the EU research programme Horizon Europe through the development and implementation of a Research Roadmap for medical applications of nuclear and radiation technology.

We must make sure that there is funding for radiation protection research (effect of radiation on normal tissue) and not spent 100% to improve cure (effect of radiation on cancer tissue).
EURATOM resources for radiation protection research: FP4 – H2020

Total budget for fission research (blue) and radiation protection research (orange) within EURATOM from FP4 to H2020.

Number of projects in the field of radiation protection research within EURATOM.
EURATOM resources for radiation protection research: FP7 – HE Scheme view with major projects

<table>
<thead>
<tr>
<th>Year</th>
<th>Projects</th>
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<tbody>
<tr>
<td>2010</td>
<td>DOREMI 1,3M 0,4 M per a</td>
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<tr>
<td>2011</td>
<td>STORE 5,5 M€ 0,9 M per a</td>
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<tr>
<td>2012</td>
<td>RENEB 1 M€ 1,4 M per a</td>
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<td>2013</td>
<td>EPI-CT 7 M€ 1,4 M per a</td>
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<td>2014</td>
<td>EPIRADIO 5,8 M€ 1,16 M per a</td>
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<td>2015</td>
<td>RISK-IR 6,7 M€ 1,49 M per a</td>
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<tr>
<td>2016</td>
<td>COMET 5,5 M€ 1,37 M per a</td>
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<tr>
<td>2017</td>
<td>PROCARDIO 5,5 M€ 1,4 M per a</td>
</tr>
<tr>
<td>2018</td>
<td>DARKRISK 2,3 M€ 0,6 M per a</td>
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<tr>
<td>2019</td>
<td>ANDANTE 4,5 M€ 1,1 M per a</td>
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<tr>
<td>2020</td>
<td>CEREBRAD 5 M€ 1,7 M per a</td>
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<tr>
<td>2021</td>
<td>CONCERT 17,1 M€ 30% cofund</td>
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<td>2022</td>
<td>3,4 M per a (incl cofund)</td>
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<td>2023</td>
<td>RadoNorm 20 M€ 4 M per a</td>
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<td>2024</td>
<td>SINFONIA 6 M€ 1,5 M per a</td>
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<td>2025</td>
<td>MELIKRAD 10 M€ 2,5 M per a</td>
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<td>2026</td>
<td>HARMONIC 7 M€ 1,4 M per a</td>
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<tr>
<td>2027</td>
<td>ROCC-N-ROLL 2 M€ 0,66 M per a</td>
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EURATOM resources for radiation protection research: FP7 – HE
Graph view with major projects
We must maintain a high level of competence in RP for the benefit of citizens and to maintain democracy.
How can the financing policy of EURATOM be influenced?

The way to influence EURATOM´s funding priorities is via national representatives!