MATICSE

Project ID: 604862
Funded under: FP7-EURATOM-FISSION

Materials' Innovations for a Safe and Sustainable nuclear in Europe

From 2013-11-01 to 2017-10-31, closed project

Project details

<table>
<thead>
<tr>
<th>Total cost:</th>
<th>Topic(s):</th>
</tr>
</thead>
<tbody>
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<td>EUR 8 654 734,40</td>
<td>Fission-2013-2.3.1 - Support to the development of joint research actions between national programmes on advanced nuclear materials</td>
</tr>
</tbody>
</table>

EU contribution:
EUR 4 749 993

Coordinated in:
France

Call for proposal:
FP7-Fission-2013

See other projects for this call

Funding scheme:
CP-CSA - Combined Collaborative Project and Coordination and Support Action

Objective

The European Energy Research Alliance, set-up under the European Strategic Energy Technology Plan, has launched an initiative for a Joint Programme on Nuclear Materials (JPNM). The JPNM aims at establishing key priorities in the area of advanced nuclear materials, identifying funding opportunities and harmonizing this scientific & technical domain at the European level by maximizing complementarities and synergies with the major actors of the field. The JPNM partners propose, through MatISSE, a combination of Collaborative Projects and Coordination and Support Actions to face the challenge of implementing a pan-European integrated research programme with common research activities establishing, at the same time, appropriate strategy and governance structure. Focusing on cross-cutting activities related to materials used in fuel and structural elements of safe and sustainable advanced nuclear systems, the project aims at covering the key priorities identified in the JPNM: pre-normative research in support of ESNII systems, Oxide Dispersed Strengthened steels, refractory composites for the high temperature applications, development of predictive capacities. MatISSE will foster the link between the respective national research programmes through networking and integrating activities on material innovations for advanced nuclear systems, sharing partners best practices and setting-up efficient communication tools. It is expected that, through MatISSE, a real boost toward Joint Programming among the Member States, the European Commission and the main European research actors, will be achieved.

Related information

| Result In Brief | Nuclear materials developed for a sustainable future |
**Coordinator**

**COMMISSARIAT A L ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES**  
RUE LEBLANC 25  
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**See on map**

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EU contribution: EUR 255,728.65

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EU contribution: EUR 38,250

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Participation ended

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EU contribution: EUR 4 575,98

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Subjects
Nuclear Fission