EUropean Training and Education for Medical Physics Experts in Radiology

From 2013-08-01 to 2016-07-31, closed project

Project details

<table>
<thead>
<tr>
<th>Total cost:</th>
<th>EU contribution:</th>
<th>EU contribution:</th>
</tr>
</thead>
<tbody>
<tr>
<td>EUR 1 864 346,20</td>
<td>EUR 1 658 000</td>
<td></td>
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<table>
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<tr>
<th>Topic(s):</th>
<th>Funding scheme:</th>
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<tbody>
<tr>
<td>Fission-2013-5.1.1 - Euratom Fission Training Schemes (EFTS) in 'Nuclear Fission, Safety and Radiation Protection'</td>
<td>CSA-CA - Coordination (or networking) actions</td>
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</tbody>
</table>

Objective

Medical exposures for radiological examinations represent the highest and fastest growing contribution to manmade radiation exposure in the EU underlying the need for medical physics experts (MPEs), regulators and scientists in industry to bring in new research results and expertise and to deploy resources in addressing this important issue. The EC recognized the urgency and the EU tender ‘European guidelines for the Medical Physics Expert (MPE)’ (TREN/H4/167-2009) was issued to develop and update the role of MPEs in Europe. The final report has been approved by the EC and includes an agreed mission statement and key activities for MPEs. The new qualification framework defines the MPE as an MP who, through planned advanced training and CPD, achieves the highest level possible (i.e., European Qualifications Level 8) in her/his specialty. However, it is recognized that few Member States have the expertise and facilities to provide the necessary training. A preliminary survey among National Organisations of MP and medical device companies showed that a dedicated training scheme has become a necessity. Three end-users were identified: the hospital MPE, the scientist in industry and regulators assessing exposures in Diagnostic and Interventional Radiology. The EUTEMPE-RX consortium will develop, put into practice and evaluate a new pilot EFTS for the MPE in Diagnostic and Interventional Radiology, which includes both face-to-face and on-line teaching. The aim is to ensure that candidates become knowledgeable about all current issues in radiation safety culture in hospitals and to make the MPE a radiation protection advocate for patients. The course will address the themes identified in the MELODI strategic research agenda, DoreMi and EMAN projects. A business plan will be developed for the sustainability of the network, which would provide a template for the development of similar programmes in the other specialties of medical physics.

Related information

Report Summaries

Final Report Summary - EUTEMPE-RX (EUropean Training and Education for Medical Physics Experts in Radiology)
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