NHECD

Project ID: 218639
Funded under: FP7-NMP

Nano Health-Environment Commented Database

From 2008-12-01 to 2012-11-30, closed project | NHECD Website

Project details

<table>
<thead>
<tr>
<th>Total cost:</th>
<th>Topic(s):</th>
</tr>
</thead>
<tbody>
<tr>
<td>EUR 1 619 808,27</td>
<td>NMP-2007-1.3-4 - Creation of a critical and commented database on the health, safety and environmental impact of nanoparticles</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>EU contribution:</th>
<th>Call for proposal:</th>
</tr>
</thead>
<tbody>
<tr>
<td>EUR 1 448 228</td>
<td>FP7-NMP-2007-CSA-1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Coordinated in:</th>
<th>Funding scheme:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Israel</td>
<td>CSA-SA - Support actions</td>
</tr>
</tbody>
</table>

Objective

We propose to use our recent advanced research results and build a novel and useful automatic database on the impact of nano-particles on health and environment, which will be hosted and maintained by a expert software company based in Europe. The strength and innovation is double folded: primarily in automatic extraction and understanding from free text, which is in particular suited to create a comprehensive database in the nano-particles area; and secondly creating automated tools for appropriate evolving ontology assisted by leaders in toxicity in Europe. The team has proven mathematical and computerized world level skills in the general area of Information Technology pertaining to database, data warehouse and text mining on one hand, and in toxicity of nano-particles in particular on the other hand. The proposed database will be automatically and manually updated with state-of-the-art information, which will be automatically understood and extracted into a relational database and data warehouse that can be accessed by the public and agencies through the internet. These three tiers (information gathering, deep analysis, and presentation) will keep the database updated and easily used for complex queries. The database will serve a variety of communities, from regulators to scientists, companies, new activities and the general public with all aspects of toxicity from nano particles. The database and the internet site will also serve for expert information cooperation and exchange and for dissemination of information in this evolving domain, which has huge potential applications, where toxicity should be considered in advance.

Related information

<table>
<thead>
<tr>
<th>Result In Brief</th>
<th>Report Summaries</th>
</tr>
</thead>
<tbody>
<tr>
<td>New nanotoxicity database</td>
<td>Final Report Summary - NHECD (Nano health-environment commented database)</td>
</tr>
</tbody>
</table>
Coordinator

TEL AVIV UNIVERSITY  
RAMAT AVIV  
69978 TEL AVIV  
Israel

**EU contribution:** EUR 883 755

**Activity type:** Higher or Secondary Education Establishments

**Administrative contact:** Lea Pais  
Tel.: +972 3 640 8774  
Fax: +972 3 640 9697

Contact the organisation

Participants

JRC - JOINT RESEARCH CENTRE- EUROPEAN COMMISSION  
Rue de la Loi 200  
1049 BRUSSELS  
Belgium

**EU contribution:** EUR 178 910

**Activity type:** Research Organisations

**Administrative contact:** Ray Crandon  
Tel.: +39 033278 98 28  
Fax: +39 0332 78 5787

Contact the organisation

IVAM UVA  
Roetersstraat 33  
1018 WB AMSTERDAM  
Netherlands

**EU contribution:** EUR 203 342

**Activity type:** Private for-profit entities (excluding Higher or Secondary Education Establishments)

**Administrative contact:** Jan Kramer  
Tel.: +31 20 525 5195  
Fax: +31 20 525 5080

Contact the organisation
EU contribution: EUR 182 221

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments)

Administrative contact: Petra Zalud
Tel.: +49-681-3906719
Fax: +49 681 390 6720
E-mail
Contact the organisation

Subjects
Environmental Protection - Medicine and Health - Nanotechnology and Nanosciences

Last updated on 2017-05-30
Retrieved on 2018-08-23

© European Union, 2018