

EUMAT

European Technology Platform on Advanced Engineering Materials and Technologies

THEMATIC PRIORITY

Advanced engineering materials and technologies

PROJECT FUNDING

No project funding

DESCRIPTION

EuMaT is a multi-sectoral, cross-cutting activity involving amongst others: Energy, Construction, Transport & Manufacturing industries. One of the main objectives of EuMaT is to develop knowledge and capability in Europe in the field of advanced materials and technologies for clean energy generation, transmission, storage, and low energy processing and energy conservation.

Main aims:

Contribution to the best relation and dialogue between industry, R&D actors and institutions aiming at improving the coordination and synergies at national and European level in the field of Materials R&D.

Interdisciplinary education and training, and technology transfer and innovation

Societal considerations in the R&D (e.g. potential impacts on public health, safety, environmental risks)

Cooperation and initiatives at international level

EuMaT covers all elements of the life cycle of an industrial product, despite it is a component, a system or a final goods:

design, development & qualification of advanced material

advanced production, processing and manufacturing

material and component testing

material selection and optimization

advanced modelling on all scales

databases and supporting analytical tools

life cycle considerations, including impacts, decommissioning, reliability, hazards, risks and recyclability

EuMaT has co-initiated the Alliance for Materials (A4M), which was launched in 2010. A4M consists of six core group ETPs (EuMaT, Suschem, Manufuture, FTC, ESTEP, SMR). The core group has acted as initiator and catalysers of concrete initiatives aiming to create visibility for A4M towards European Commission services, other ETPs, and any potential relevant stakeholders belonging to European materials community at R&D and industrial level.

In 2012, a new EU funded project was launched "Alliance for Materials – A value chain approach to materials research and innovation" (MatVal).

ACTIVITY SUMMARY (November 2013 – May 2014)

Project funding:

No project funding

Meetings & Conferences:

EuMaT is planning a public event in the 1st quarter of 2014 on “Enhancing the Commission Materials Research and Innovation action through Horizon 2020” (working title)

Deliverables, studies, results:

Updated Strategic Research Agenda (2nd Edition 2012)

Activities of the network:

Preparation of General Assembly Meeting (planned in December)

Elaboration of topics for the EU framework Programme for Research and Innovation (Horizon 2020)

Best practices:

Deliverable report D4.2 of the MatVal FP7 CSA project (<http://www.matval.eu/>). Not accessible publicly yet.

Others:

The platform is self sustainable, dependent on a voluntary engagement of its members, there is no membership fee in EuMaT.

START & END DATES

2006/ongoing

HOMEPAGE

<http://www.eumat.org/>

CONTACT DETAILS

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