

EuMaT
European Technology Platform for Advanced Engineering Materials and Technologies

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The European Technology Platform for Advanced Engineering Materials and Technologies



BILAT-RUS-Advanced Innovation Policy and Practice Workshop
Moscow, May 20 2014

EuMaT
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Established 2004; official launch event 26 June 2006

Status 2014: ~ 900 registered members

23% from industry

SRA: 2006, 2012, (2014)

Current EuMaT Steering Committee



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EUMAT OBJECTIVES (POLICY & TECHNOLOGY)

- to promote the leading global position and competitiveness of the EU technology in the area of Advanced Engineering Materials
- to promote the consolidated and unified R&D&I European policy in this area
- to ensure optimum involvement of Industry and other important Stakeholders in establishing European R&D priorities

Development of entirely new materials or materials groups (nanomaterials, active/intelligent materials, composites, hybrid and multimaterial structures etc.) and qualifying them for the market

Modification of existing materials for new applications (new grades of existing materials systems, new manufacturing processes)

Innovative use of existing materials based on good understanding of applications, material requirements and materials degradation mechanisms

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graph TD
    SC[Steering Committee] --> S[Secretariat]
    SC --> WG[Working Groups]
    SC -.-> TF[TFs]
    WG --> WG1[WG1 Modelling and Multiscale]
    WG --> WG2[WG2 Materials for Energy]
    WG --> WG3[WG3 Nanomaterials]
    WG --> WG4[WG4 Structural /Functional Materials]
    WG --> WG5[WG5 Lifecycle, Impacts and Risks]
    WG1 --> WG6[WG6 Material for ICT]
    WG2 --> WG7[WG7 Biomaterials]
    
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EuMaT - horizontal Platform linked to **DG Research and Innovation, Directorate D – Key Enabling Technologies, Unit D.3 – Advanced Materials and Nanotechnologies**

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EUROPEAN COMMISSION
DIRECTORATE-GENERAL FOR RESEARCH & INNOVATION
The Director General

Brussels, 12 JUL 2013
RTD-DG-IC-V-ARIS/2013/2671333

Dr. Marco Falchetti
Prof. Michal Baisita
KMM-VIN AISBL
Rue du Trône 98
BE-1050 Brussels

Subject: Recognition of European Technology Platform: Advanced Engineering Materials and Technologies

Dear Dr Falchetti and Professor Baisita,

I would like to thank you for your request for recognition as a European Technology Platform (ETP) in the context of the upcoming Strategy for European Technology Platforms (ETP 2020) and the revised criteria for recognition.

Advanced Engineering Materials and Technologies (EuMaT) has been considered by the European Commission services to fulfil the revised criteria for recognition, and will therefore be included in the publicly available list of recognised ETPs on the European Commission's ETP website.


In taking forward your work as an ETP and with a view to maximising your impact, we would like to recommend that you seek to further mobilise and increase the level of engagement of industry in particular in the work of the ETP.

Your primary EC contact point will be Achilleas Stalios in Unit G3, Materials, in DG Research and Innovation.

We will also be in touch shortly on arrangements for a cross-ETP workshop during which we would, amongst other issues, like to discuss how we can best operationalize and deliver on the ambitions of the strategy and thereby also strengthen the relationship between ETPs and the European Commission.

We look forward to a fruitful collaboration with you.

Yours sincerely,




Robert-Jan Smits

As the other ETPs, EuMaT has been recently evaluated to be considered still a valid and qualified counterpart of the Commission in the context of the new *Strategy for European Technology Platforms: ETP2020*.

EuMaT has positively passed the diligence and will remain among the ones officially recognised by the Commission

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The last version of the EuMaT SRA was published in Dec 2012

www.eumat.eu



The European Technology Platform for Advanced Engineering Materials and Technologies – EuMaT

Strategic Research Agenda
2nd Edition – 2012

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The contribution to the Horizon 2020 Industrial Technology Work Programme 2014-15







Materials research topics for the 1st Work Programme of Horizon 2020

A joint proposal by EuMaT, ETP, E-MRS and FEMS
May 2013

In what follows a number of research topics are proposed for a possible inclusion in the work programme of the 1st Calls of the Horizon 2020. These topics have been worked out in a cooperative manner by the three Organizations and represent some selected research priorities as suggested by the stakeholders from the academia and industry.

The topics are arranged in several thematic groups such as Modelling and Multiscale, Energy Materials, Nanomaterials and Nanossembled Materials, Knowledge-based Structural and Multifunctional Materials, Life-cycle, Impacts and Risks, Materials for ICT and Biomaterials.

A certain level of inhomogeneity still exists between the proposed topic calls, due to the parallel, independent job carried by the different topic working groups.

Further improvement could be easily implemented on those topics considered of immediate interest by the Commission. The proposers are open to any further work on the call text(s) preparation, if requested by the Commission, and offer the support of the corresponding working groups for a final tuning and/or discussion on the proposed topics.

- A total of 23 topics
- MODELLING AND MULTISCALE (3)
- ENERGY MATERIALS (4)
- NANOMATERIALS AND NANO-ASSEMBLED MATERIALS (3)
- KNOWLEDGE-BASED STRUCTURAL AND MULTIFUNCTIONAL MATERIALS (5)
- LIFE CYCLE, IMPACTS, RISKS (1)
- MATERIALS for ICT (4)
- BIOMATERIALS (3)

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Alliance for Materials (A4M)

The original initiators of A4M initiative are six European Technology Platforms with a strong material agenda in their respective strategies. These are: EuMaT, Suschem, Manufacture, FTC (textile), ESTEP, SMR (sustainable resources), integrated by the two main European materials associations: E-MRS and FEMS














integrate the diversity of ideas in Materials developments across ETPs and other main stakeholders to create synergy and an integrated Materials R&D programme for Europe

ensure that the Industrial Value Chain acts as main driver for a credible integration of resources and players for speeding up exploitation and valorisation of materials research

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The international collaboration

- Still an unsolved problem
- EuMaT was addressed since 2009 with requests of a structural collaborations
 - Russia
 - China
 - Ukraine
 - Korea
- Unclear Commission position. It is an ETP problem,but International cooperation is a relevant Commission issue
- How to implement the collaboration:
 - Access to the SC as observer? Costs is a problem!
 - MoU
 - To operate within the existence of active Bilat cooperation agreements?
- What kind of expectations (benefits) for the both sides?
- Need to identify officially recognised organisations on the other sides

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Thank you for your attention



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Chairman of the Management Board of
Alliance for Materials - **A4M**

Chairman of **EuMaT** - The European Technology Platform
for Advanced Engineering Materials and Technologies

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