How can I participate in the SMART-Process?

Intensive communication with experts from the materials science field is an essential prerequisite for successful work of the SMART consortium. The consortium will contact as many experts as possible and involve them in visionary discussions. Suggestions of materials scientists are always welcome and will be considered in the analyses. Furthermore, everybody is able to be a part of the SMART foresight and forecast process by attending the regional workshops that will be carried out in the second stage of SMART in 2006. These conferences will be announced on our website: www.smart-ssa.net.

For further more information please contact:

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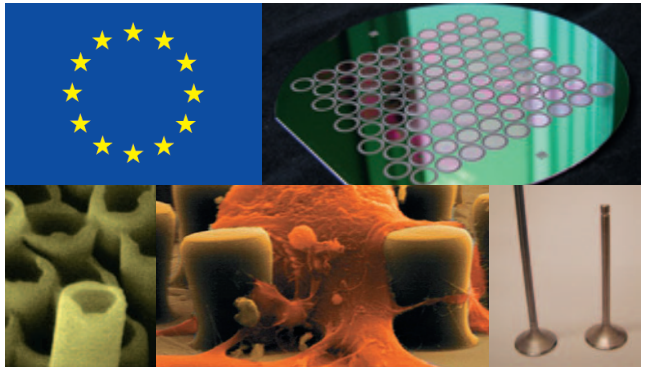
The Institute of Materials, Minerals & Mining

Projektträger Jülich Forschungszentrum Jülich GmbH

SMART
Specific Support Action



Foresight Action for Knowledge-Based Multifunctional Materials

Funded by the European Commission

www.smart-ssa.net

What is SMART?

SMART stands for "Fore**S**ight Action for Knowledge Based Multifunctional **Ma**terials **T**echnology". SMART is a Specific Support Action (SSA) of the European Commission within FP 6. SMART started in April of 2005 and will analyse within two years most relevant research field in materials science and carry out a mapping of excellent European materials research groups. The work will be done by five partners from the United Kingdom (IOM3), France (CEA-Liten), Slovakia (SAS-UACH) and Germany (PtJ and FhG-INT)

SMART-Objectives

- Identification of materials research areas of high relevance (materials hot spots)
- Listing of excellent research groups
- Development of roadmaps of most promising research areas
- Analysis of foresight activities

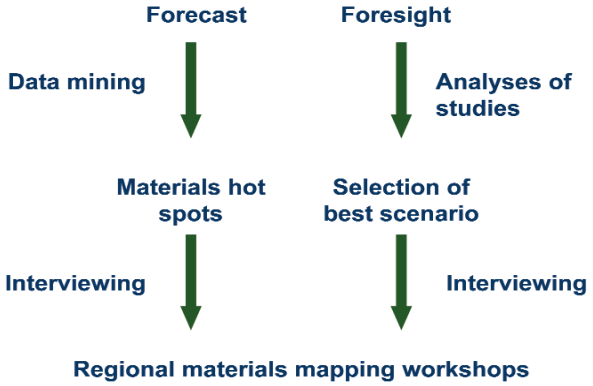
SMART-Project

Materials research and science are among the main driving forces for innovative products and processes, although usually with long lead times. This SSA aims to map groups of excellence and to identify highly relevant research areas in the field of knowledge-based, multifunctional materials in the perspective of next 5 to 30 years. Therefore the emphasis will be on the fields that are relatively new or need a long period of time for successful implementation of the technology.

The Specific Support Action will combine forecast processes including interviewing of experts in the field of scientific and technological relevance, and analysis of recent foresight studies concerned with the aspects of economic prosperity, environmental and social change as well as public safety and security issues.

Following a broad screaning the search will focus on a limited number of highly promising fields (materials hot spots) by involving experts from academia and industry. Road maps will be developed to include information on scope, time-horizon and bottlenecks. From this study suggestions for future research needs and actions will be developed and presented.

How will the SMART-Process take place?



Who is involved in the SMART-Process ?

The SMART-project is carried out by Project Management Juelich (Germany), CEA (France), IOM3 (U.K.), Fraunhofer INT (Germany) and SAS-UACH (Slovakia). All these institutions have scientific groups that are experienced in materials science and monitoring of technological developments.

An Advisory Board of nine high ranked experts from European materials industry and academia will ensure a high quality level and check that the work is conducted from a European perspective.