

AZ OSZTRÁK KUTATÁSI KEZDEMÉNYEZÉS A SMART TERMELÉS TÉMATERÜLETÉN

NATIONAL RESEARCH INITIATIVE “SMART PRODUCTION”

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INNOVATIVE MANUFACTURING - PROCESSES AND NEW MATERIALS AS A KEY TO THE INDUSTRY OF THE FUTURE

The “National R&D-strategy 2020” has passed the council of ministers with the beginning of 2011. The BMVIT will now focus on four thematic topics (not research programmes):

Energy and Environment
Mobility
ICT
Manufacturing

The new strategy of “topic-management” will use all funding-instruments for one topic and will address not only research funding but also other relevant fields of innovation like public procurement, legislation, endowed professorship or standards.

OPERATIVE GOALS OF “SMART PRODUCTION”

- 1) Strengthen the technological competitiveness of the Austrian manufacturing industries
- 2) Build up of research competences in specific strategic fields
- 3) Strengthen of European and international co-operation
- 4) Strengthen the co-operation between research and industry and the interface to international initiatives

MAIN TOPIC FIELDS

The main topic fields of the research initiative “Smart Production” are:

Materials: high-tech materials and surfaces
Processes: performance-oriented and surface-efficient processes
Production systems: flexible production systems
Products: miniaturisation, sensor-actor integration
Biobased Industry
Raw materials: substitution and recycling, urban mining
Overall research topics

WHAT THE RESEARCH INITIATIVE “SMART PRODUCTION” SHOULD DO...

Funding: “Smart Production” should fund co-operative projects between science and industry, fund smaller projects with shorter funding period and will use all funding instruments.

Networking and Co-operation: is even as important as funding of projects. Goal is to build up a “Corporate Identity” by organising networking-events, workshops and conferences using the national technology platform MANUFUTURE-AT as multiplayer.

Internationalization: ERA-Nets and bilaterals. Furthermore the research initiative “Smart Production” plans to organize international excursions in and outside of Europe.

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