

Manufacturing Industry and EUREKA Funding in Turkey
Istanbul , 25th January
„Opportunities in PRO-FACTORY “

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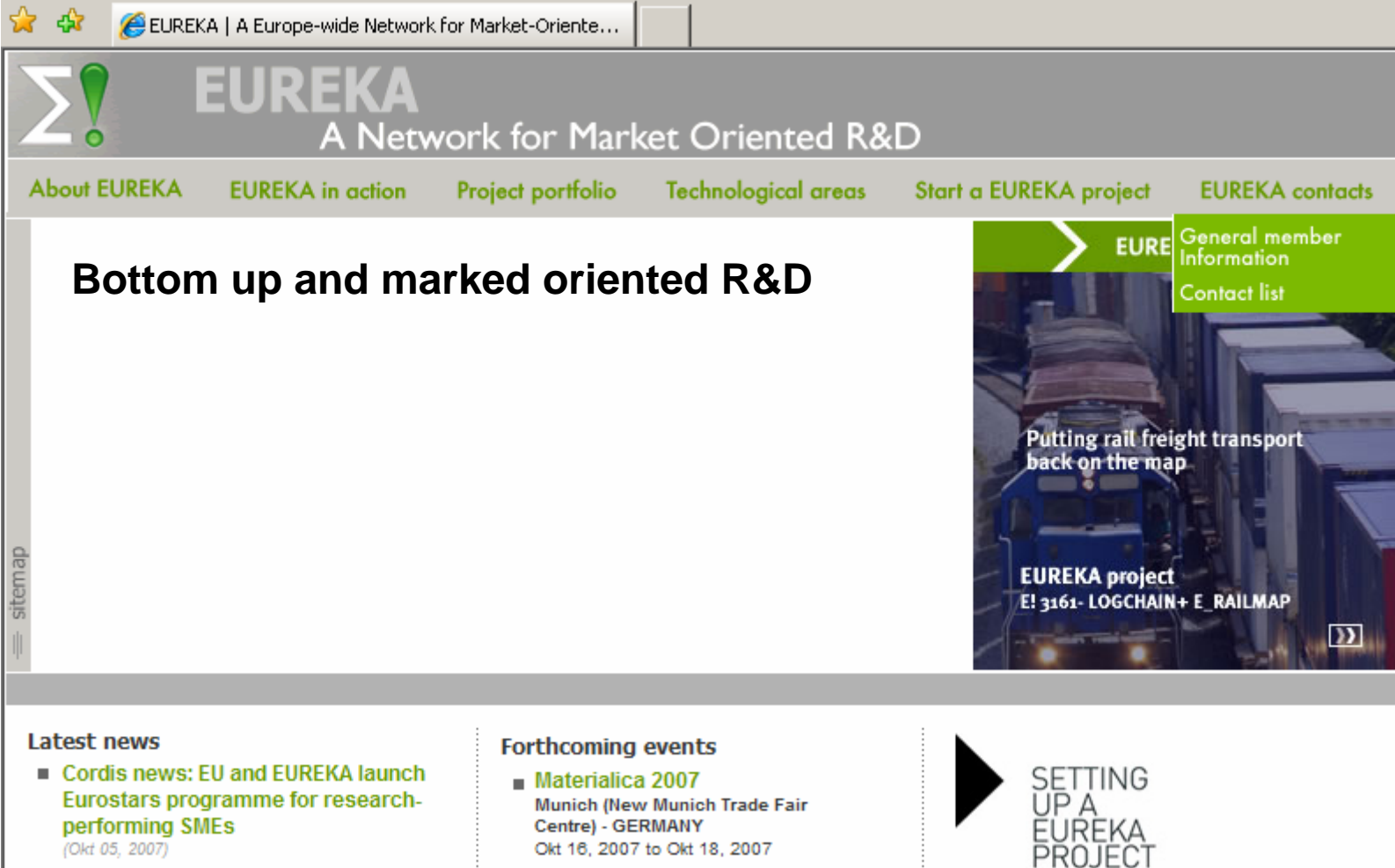


Name: Dipl.-Ing. Christian Wögerer, MSc, 7.10.1960

Education:

Technical school for Mechanical engineering
Studies of mechanical engineering at the TU Vienna
Post grad. Studies Communication and Management in Krems
Several examinations by the Government of Austria for mechanical engineering

- app. 12 years experience in industrial companies (process engineering)
- app. 10 years experience in R&D
- EUREKA Factory National Expert for “Factory” since 2001
- Active Involved in the ETP’s Manufuture an MINAM
- Head of Department with 35 employees
- Lector at the University of applied science in Wiener Neustadt
- app. 55 publications in the field of “Mechatronic”



The screenshot shows the EUREKA website homepage. At the top, there is a navigation bar with the EUREKA logo and the tagline "A Network for Market Oriented R&D". Below this, there are several menu items: "About EUREKA", "EUREKA in action", "Project portfolio", "Technological areas", "Start a EUREKA project", and "EUREKA contacts". The main content area features a large heading "Bottom up and market oriented R&D" and a featured project titled "Putting rail freight transport back on the map" with the sub-heading "EUREKA project E! 3161- LOGCHAIN+ E RAILMAP". To the right of this featured project is a green sidebar with a dropdown menu containing "General member Information" and "Contact list". Below the main content, there are sections for "Latest news" and "Forthcoming events". The "Latest news" section includes a link to "Cordis news: EU and EUREKA launch Eurostars programme for research-performing SMEs" dated "Okt 05, 2007". The "Forthcoming events" section includes a link to "Materialica 2007" in Munich, Germany, from "Okt 16, 2007 to Okt 18, 2007". At the bottom right, there is a graphic for "SETTING UP A EUREKA PROJECT".

EUREKA
A Network for Market Oriented R&D

About EUREKA EUREKA in action Project portfolio Technological areas Start a EUREKA project EUREKA contacts

Bottom up and market oriented R&D

Putting rail freight transport back on the map

EUREKA project
E! 3161- LOGCHAIN+ E RAILMAP

General member Information
Contact list

Latest news

- **Cordis news: EU and EUREKA launch Eurostars programme for research-performing SMEs**
(Okt 05, 2007)

Forthcoming events

- **Materialica 2007**
Munich (New Munich Trade Fair Centre) - GERMANY
Okt 16, 2007 to Okt 18, 2007

SETTING UP A EUREKA PROJECT

www.eureka.be

Bottom up based Research Initiative of app. 30 European countries

A network for market oriented R&D

The EUREKA projects will strengthen the approach: international, bottom-up, market oriented and simple and efficient administration

For manufacturing technologies there is a special Umbrella dealing with this topic called PRO-FACTORY

Contact: christian.woegerer@profactor.at

What is Pro – Factory

Thematic Area



PRO – FACTORY is an EUREKA Umbrella

- **PRO - FACTORY** is focused on advanced manufacturing technologies
- **PRO - FACTORY** continues the successful EUREKA Umbrella Factory
 - Factory was running since 1995 and creates more than 150 projects with a total value of almost 550 million €.
- **PRO – FACTORY** is an umbrella with a clear action plan and a clear thematic focus and a focus on manufacturing technologies for SMEs
- For the coming period of 4 years **PRO-FACTORY** aims to bring forward at least 50 new EUREKA and related international projects
- **PRO-FACTORY** intends also to act as a ‘voice’ of the industry in discussions with the European Commission
- **PRO-FACTORY** is an “active” acting umbrella involved in many other European actions (ETPs, projects, ...)

Why Pro – Factory



Reasons for an Umbrella on “Manufacturing”

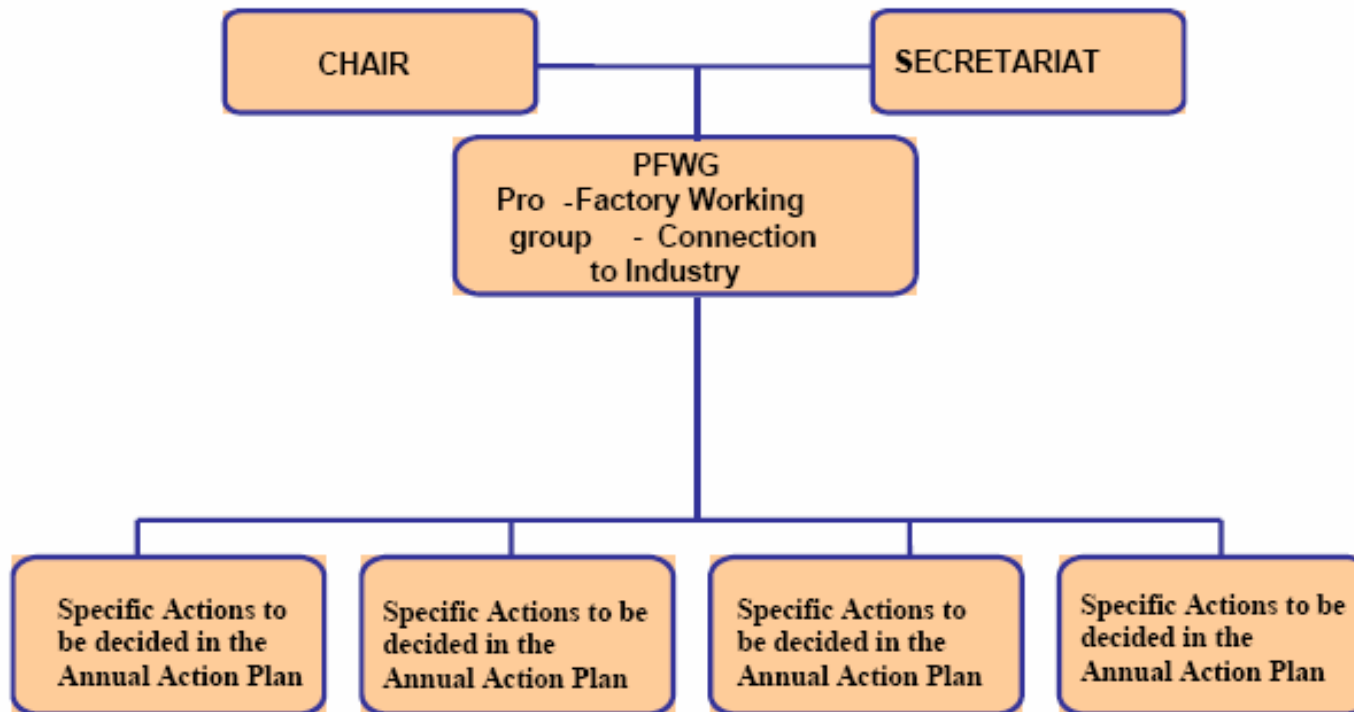
Rationale for PRO – FACTORY

- European manufacturing businesses will continue to suffer strong competition from countries such as India and China and also the USA
- For Europeans leading role as individual Manufacturing location new business strategies must be developed by “Cooperative Research”
- **PRO-FACTORY** will act as such a focus for the vitally important manufacturing sectors
- Cooperative R&D to share costs, risks, knowledge and expertise can overcome this failure, with **PRO-FACTORY**'s aid
- EUREKA and even **PRO-Factor** is the only “bottom up” possibility to make European projects with different countries in a quick and efficient way.
- For manufacturing projects in this field **PRO-FACTORY** is an incubator of projects if our goal to act active will be realized
- The **PRO-FACTORY** umbrella will help deliver the necessary technological expertise for Europe to create the next generation of advanced and innovative products and processes for global markets.

Objectives for PRO – FACTORY

- The strategic aim of the **PRO-FACTORY** umbrella is to increase European manufacturing competitiveness by providing an application-oriented, bottom-up, collaborative R&D support mechanism primarily focused on “new added value products and related services” and innovative production”.
- **PRO-FACTORY** will achieve this overall objective by bringing forward more than 50 manufacturing projects mainly in the above priority area, with more than half including 1 or more SMEs and disseminating the results throughout the EUREKA countries, using seminars, case-studies, and a high-visibility website. More detailed financial and other objectives will be set out for each year.
- The technological scope of **PRO-FACTORY** has been set up in order to more clearly communicate issues of strategic importance for SMEs .
- These objectives will be delivered through the network of national representatives coming together as the project Working Group. These representatives will include experts from manufacturing industry, the research community and from public authorities and will act as the decision-making body for the umbrella

EUREKA PRO-FACTORY Organization



- The **PRO-FACTORY** organization is built by the **PRO-FACTORY** Working Group (PFWG), the **PRO-FACTORY** Chairperson/Deputy Chairpersons, the **PRO-FACTORY** Secretariat and specific action groups for important tasks (decided in the action plan)

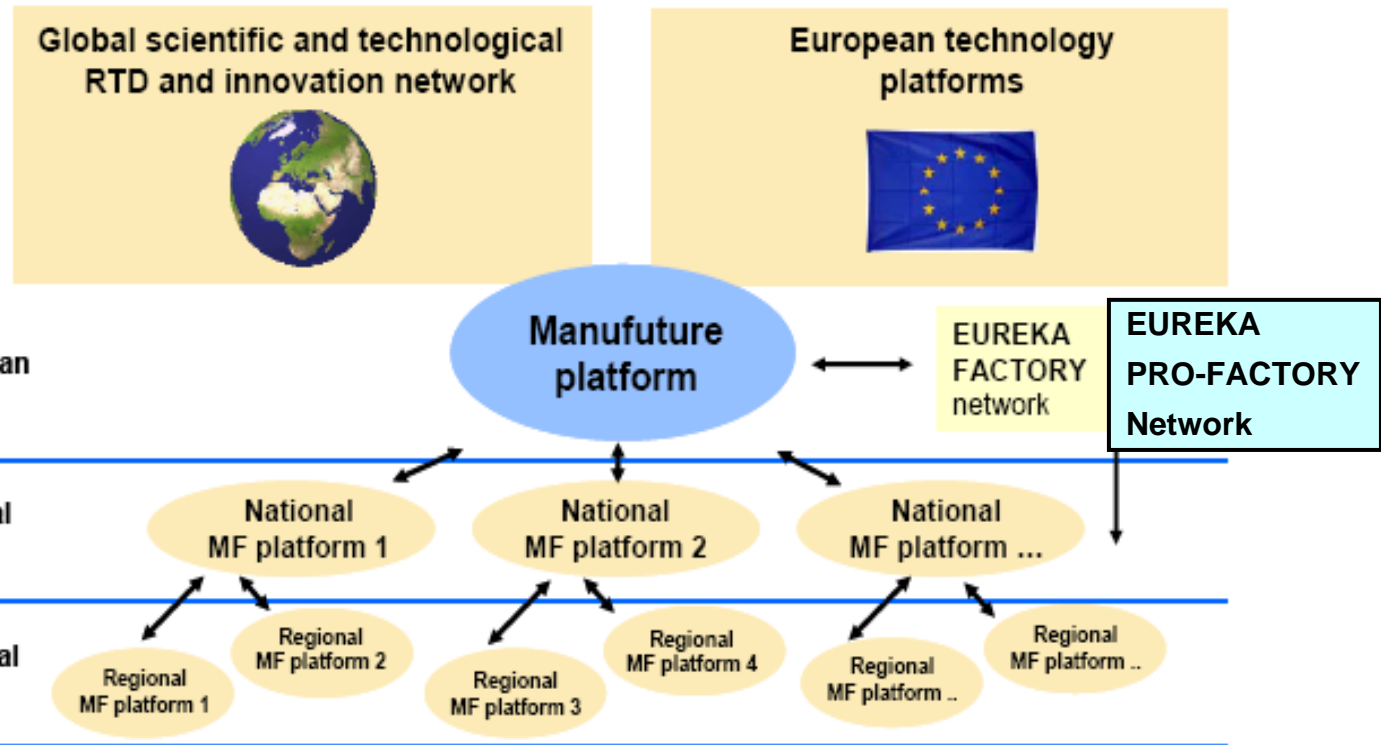
New environment

parallel initiatives – common changes



To be successful the participants of **PRO-FACTORY** have to assess the competitive position of the network in the “market of funding”. In some countries other initiatives and instruments can be considered as competitors of **PRO-FACTORY** and threats for EUREKA.

European Manufacturing Innovation and Research Area (EMIRA)



Parallel initiatives

FP7 program

ETPs (International, national)

ERA-NET, ERA-NET+ (SUSPRISE, eTRANET, MNT, MANUNET)

Article 169 – Eurostars

Article 171 – JTI

CIP - Competitiveness and Innovation framework Programme

Intelligent Manufacturing Systems (IMS)

The PRO-FACTORY projects will strengthen further the EUREKA approach: international, bottom-up, market oriented and simple and efficient administration.

The bottom up approach

- The strength of EUREKA and the PRO-FACTORY Working Group is the promotion of bottom-up, close to industrial applications collaborative R&D projects. This is especially important for the European manufacturing sector. PRO-FACTORY, through its Resources, Objectives, First Actions and Technological scope is the tool to promote the EUREKA approach to the manufacturing industry.
- PRO-FACTORY also positions itself as a complement to other R&D programs

Service, success rate and time to market

- EUREKA with the help of **PRO-FACTORY** is a fast and efficient way (3-6 month for decision against 1 year FP7) with high success rate (>50% against 6% FP7 (success rate of first NMP call in FP7)) with a short time period to the market (1-2 years against 4,5 years of FP7)
- **PRO-FACTORY** helps industries to reach their research goals

Eureka, Pro-Factory and other Initiatives



Different Initiatives - Manufacturing



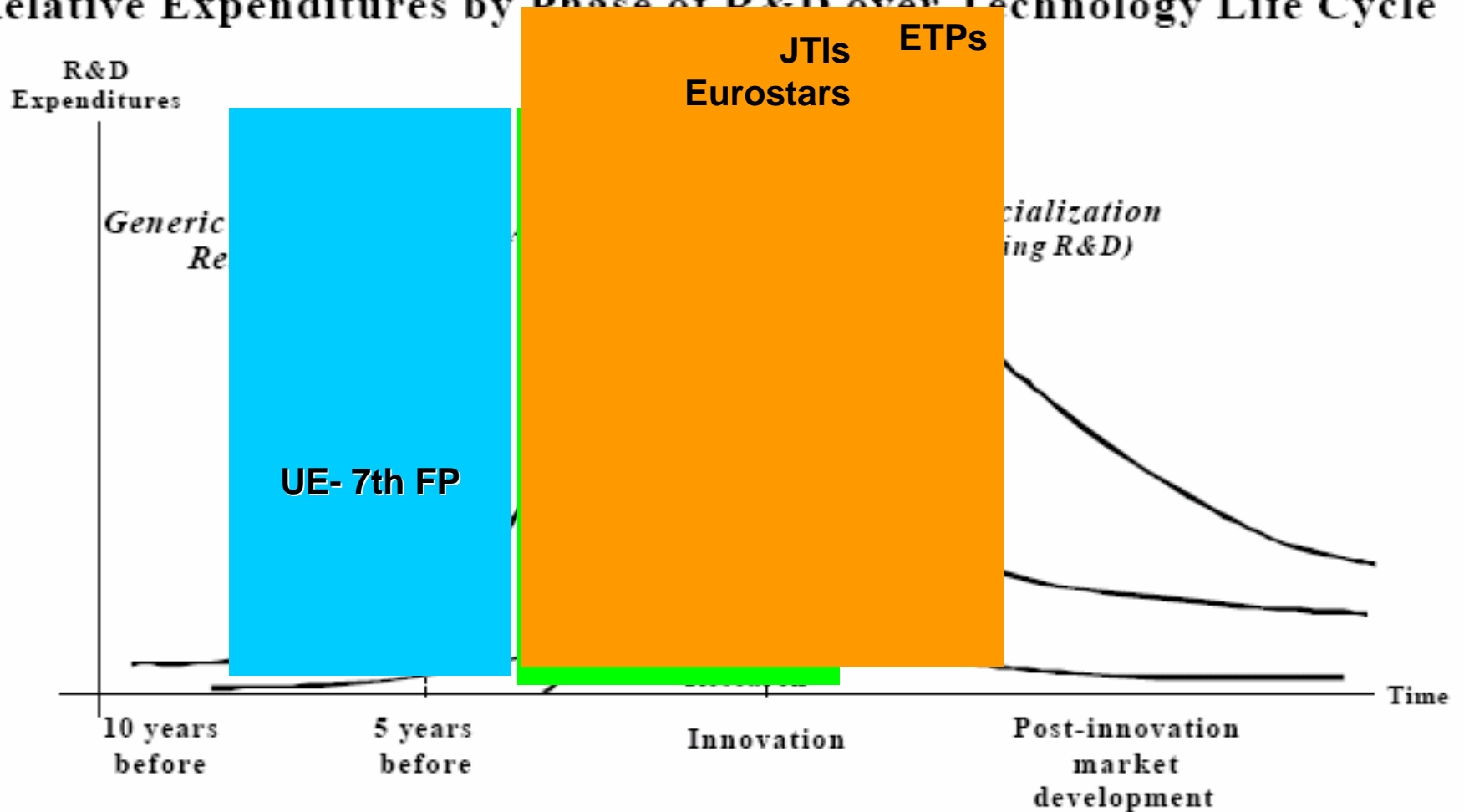
	submission type	Project type	Typ. size	Duration of projects	Perspectives (market orientation)
FP7	call (definition of NMP topics 1st half of year)	RTD, training, infrastructure	medium-large	3-5 y	long term
ERA-NETs	call (definition of call depending on individual ERA-NET)	RTD	small-medium	2-3 y	short-medium term, Turkey not active
Eurostars	Permanent	RTD	small-medium	2-3 y	short-medium term
EUREKA	permanent	RTD	small-medium	2-3 y	short-medium term
National/regional programs	depending on program	?	small-large	?	Medium term
Private Financing	Rules by financiers				

Micro- and NanoManufacturing

Different Initiatives



Relative Expenditures by Phase of R & D over Technology Life Cycle



Source: Tassef [1997, p. 74]

The “great” European Instrument creating Europeans Future by strengthen the Research also in the field of Macro-, Micro- and Nanomanufacturing

Advantages: Common European research in the future topics and good funding quote

Disadvantage: Not creating the products for next year

<http://cordis.europa.eu>

<http://cordis.europa.eu/fp7>

<http://ec.europa.eu/comm/research/future/>



The Eurostars Programme is the first European funding and support programme to be specifically dedicated to SMEs. Eurostars will stimulate them to lead international collaborative research and innovation projects by easing access to support and funding



Eurostars is a common initiative between the Commission and EUREKA –

THE BEST OF THREE WORLDS

By exploiting Article 169 of the EU Treaty bringing together

- The EUREKA Network and bottom-up approach
- The EC 7th Research Framework Programme
- National funding programmes

www.eurostars-eureka.eu

35 Technology Platforms are existing

Technology Platforms with Relation to “Production”

→ Sustainable Chemistry

→ Materials EUMAT

→ Steel ESTEP

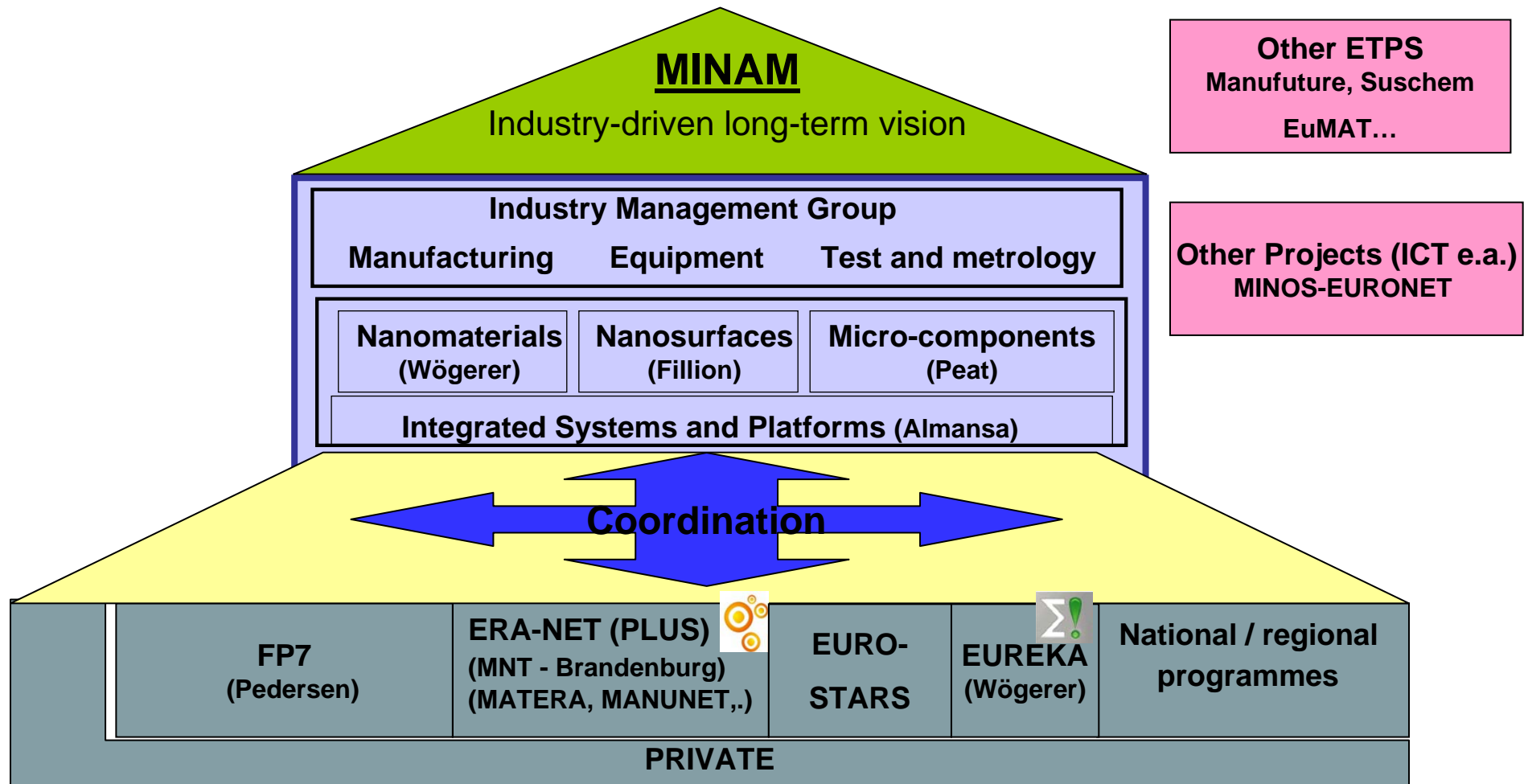
→ Industrial Safety

→ Robotics EUROP

→ and Manufacturing Technologies: MANUFUTURE and MINAM



Implementation Approach of ETPs (MINAM)



There is always enough money for really good and innovative ideas

Services for private funding of Research projects is not really a strength of research and technology driven platforms and networks

EUREKA UMBRELLA PRO-FACTORY

Meet European automotive industry and researchers to form near-market collaborative R&D-projects

Brokerage Event, May 5-6th 2008, Gothenburg, Sweden - Submit your Project Idea - www.VINNOVA.se/EUREKA

German Call open now for PRO-Factory Projects

" **Resource Efficiency in Production,** - Informations and call text: yalcin.tanes@gmail.com

Anytime: <http://www.eureka.be/home.do> (see appendix)

A large number of technical and funding experts are involved in Pro-Factory

The experts are very familiar and active acting in different instruments

- Influencing FP7 Calls
- Finding best funding instruments and solutions for different problems
- Creating industrial driven projects
- Bringing together market needs and technologies possibilities
- Partner search and minimizing administrative work for industries and research partners

Thank you for your attention

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