



MANUFUTURE Belgium Starting Event

Brussels, 15 June 2006

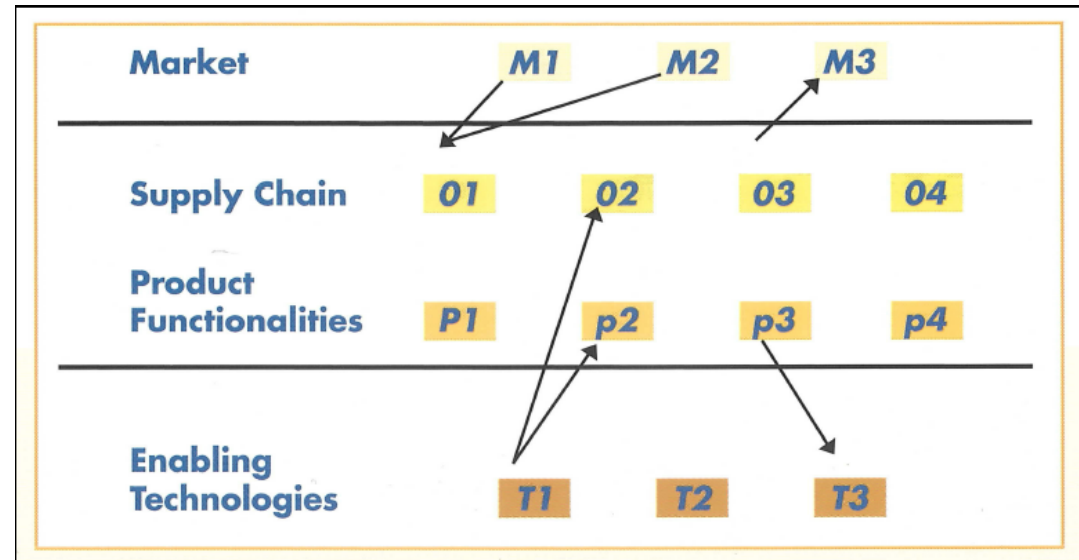
"Innovation is a crucial factor to maintain the competitiveness of the manufacturing industry"

Agoria's activities in the field of innovation (2000-...):

- Information on future needs and trends
Ex. Roadmap studies
- Sensitisation for innovation
Ex. Seminars (20/year) – product, process, business model
- Innovation networking between companies
Ex. Flanders' Mechatronics (Technology Centre)
- Facilitate collaboration between industry & knowledge centres (Belgian, European, international)
Ex. KU Leuven, MIT-ILP

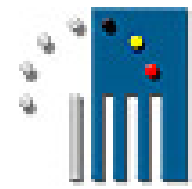
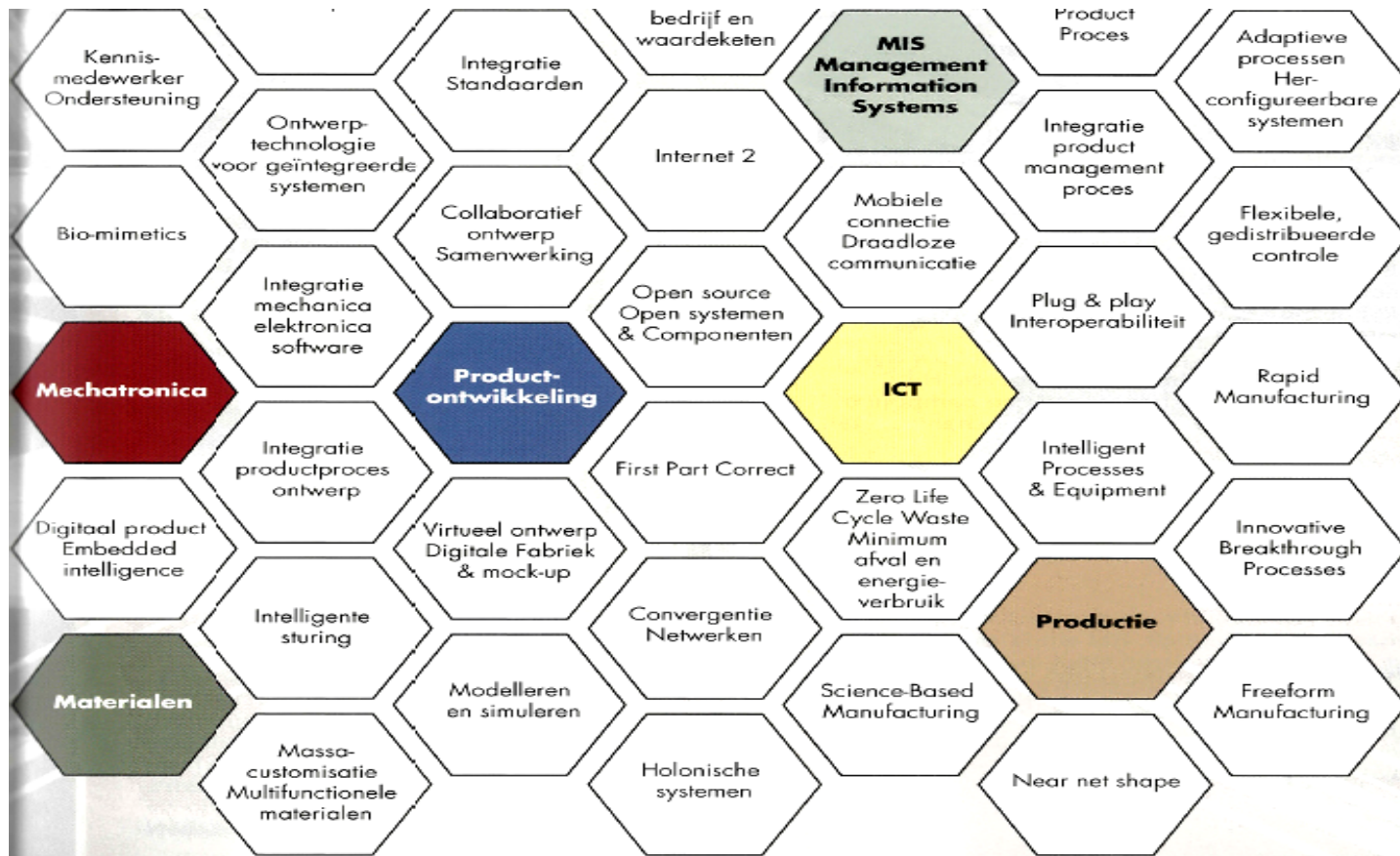
Sectorroadmap "Mechanics and Mechatronics"

A unique approach to define the future technological challenges of the sector



Technological roadmap "Mechatronics Engineering"

(Agoria & WTCM)

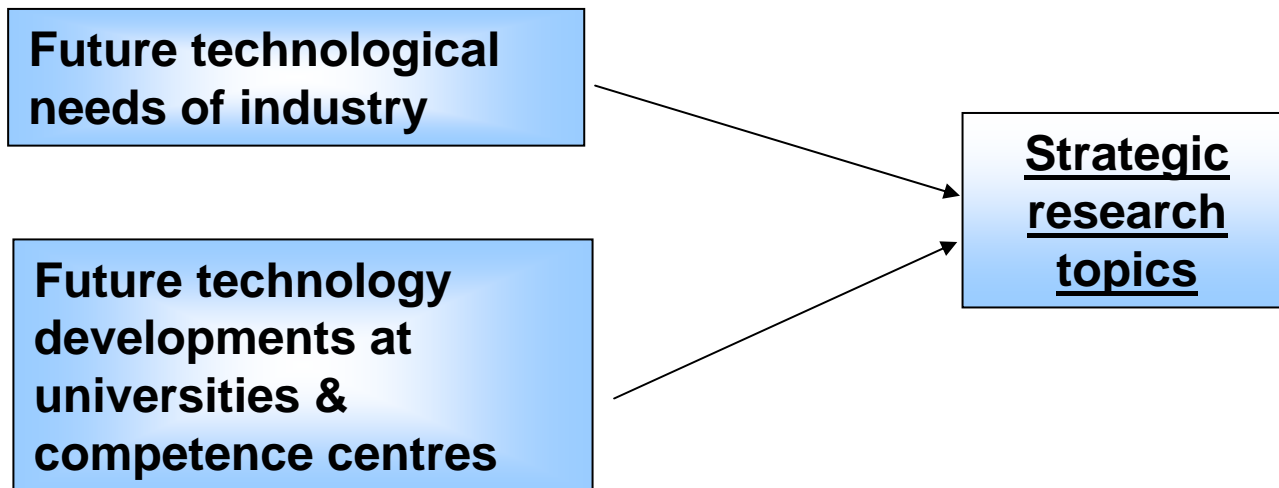


Other roadmap studies in development (Agoria & WTCM)

- *Sector roadmaps*
 - Subcontracting
 - Products for the building industry
 - ICT
- *Technological roadmaps*
 - Materials
 - Production

The combination of sectoral & technical roadmaps

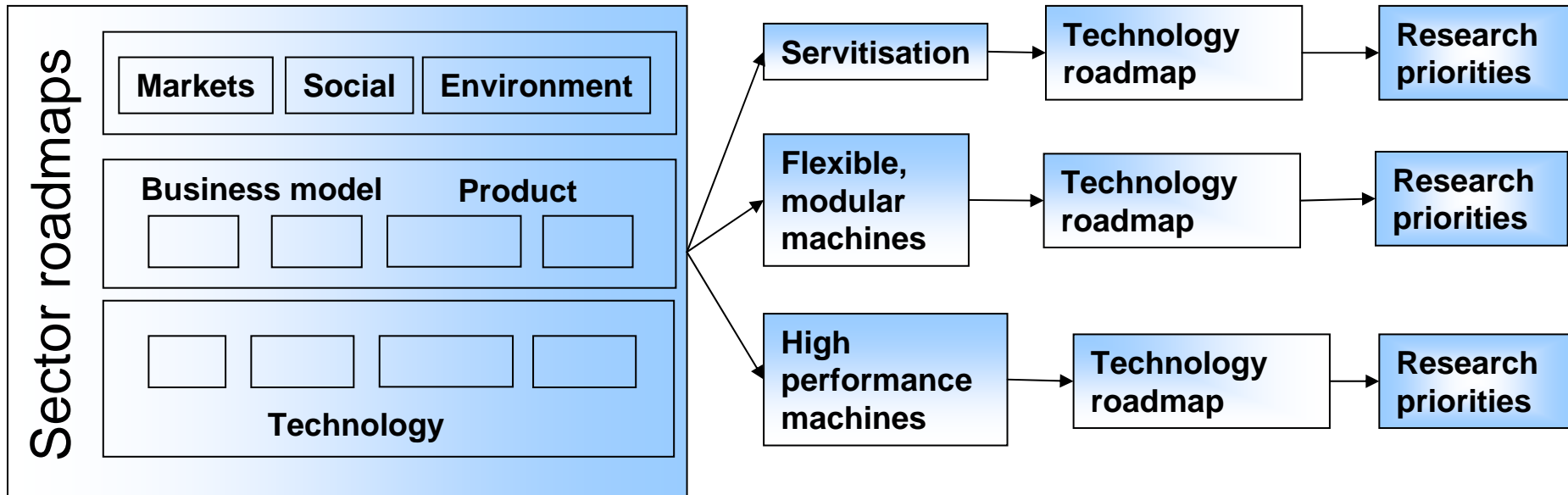
a unique approach to define Strategic research agenda





AGORIA, early actor in "Vision and strategy" studies

Definition of research priorities in the mechanical engineering sector Sector specific Roadmaps in Mechatronics Field





September 2003 – February 2004:
The European Mechatronics Impulse Action - EUMECHA

An initiative of:

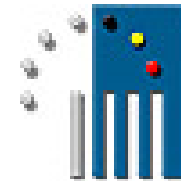
The University of Leuven,
Department of Mechanical
Engineering, Division PMA



The Belgian
Federation for the
Technology Industry



The Belgian
Federal Science
Policy Office



Facilitate collaboration between industry & knowledge centres

The European Mechatronics Impulse Action – EUMECHA (2003-2004)

- Increasing cooperation between research organisations in the field of mechatronics by:
 - ✓ mapping the ongoing research and
 - ✓ analysing the potential for increased cooperation between different research centres
- Promoting the European mechatronics research community at European and global level
- Laying the basis for more intensive networking and innovation-related activities in the context of the EU's Framework Programmes and EUREKA
- 12 research centres in Belgium, Germany, Austria, Sweden, Finland, Spain, UK, Netherlands, Italy

September 2003 – February 2004: The European Mechatronics Impulse Action - EUMECHA

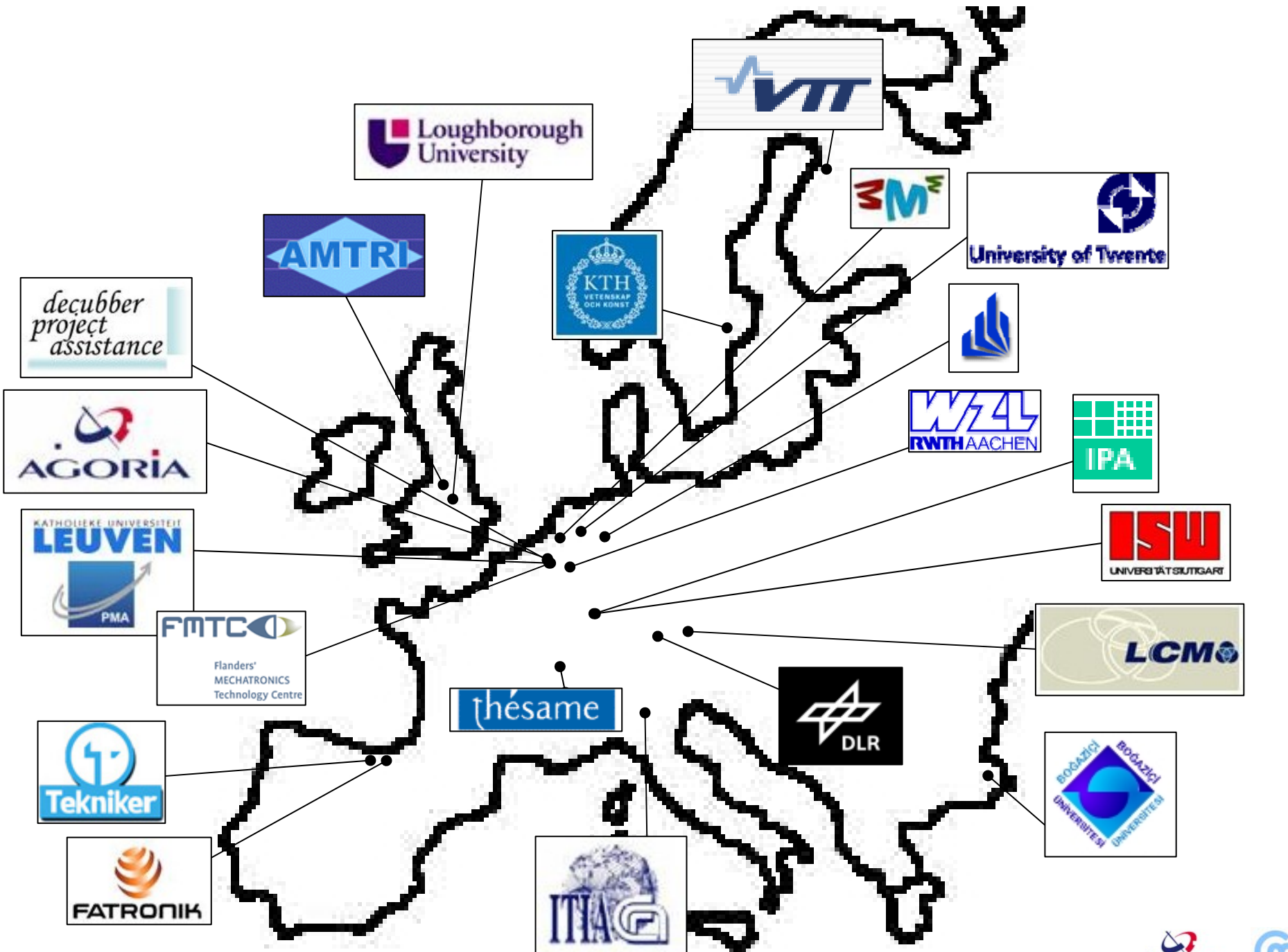
- | | | | |
|-----------------|---------|----------------------------|-------------|
| ■ KULeuven-PMA, | Belgium | ■ VTT, | Finland |
| ■ FhG-IPA, | Germany | ■ TEKNIKER, | Spain |
| ■ WZL, | Germany | ■ Loughborough University, | UK |
| ■ DLR, | Germany | ■ Twente University, | Netherlands |
| ■ JKU Linz, | Austria | ■ TU Delft, | Netherlands |
| ■ KTH, | Sweden | ■ ITIA-CNR, | Italy |

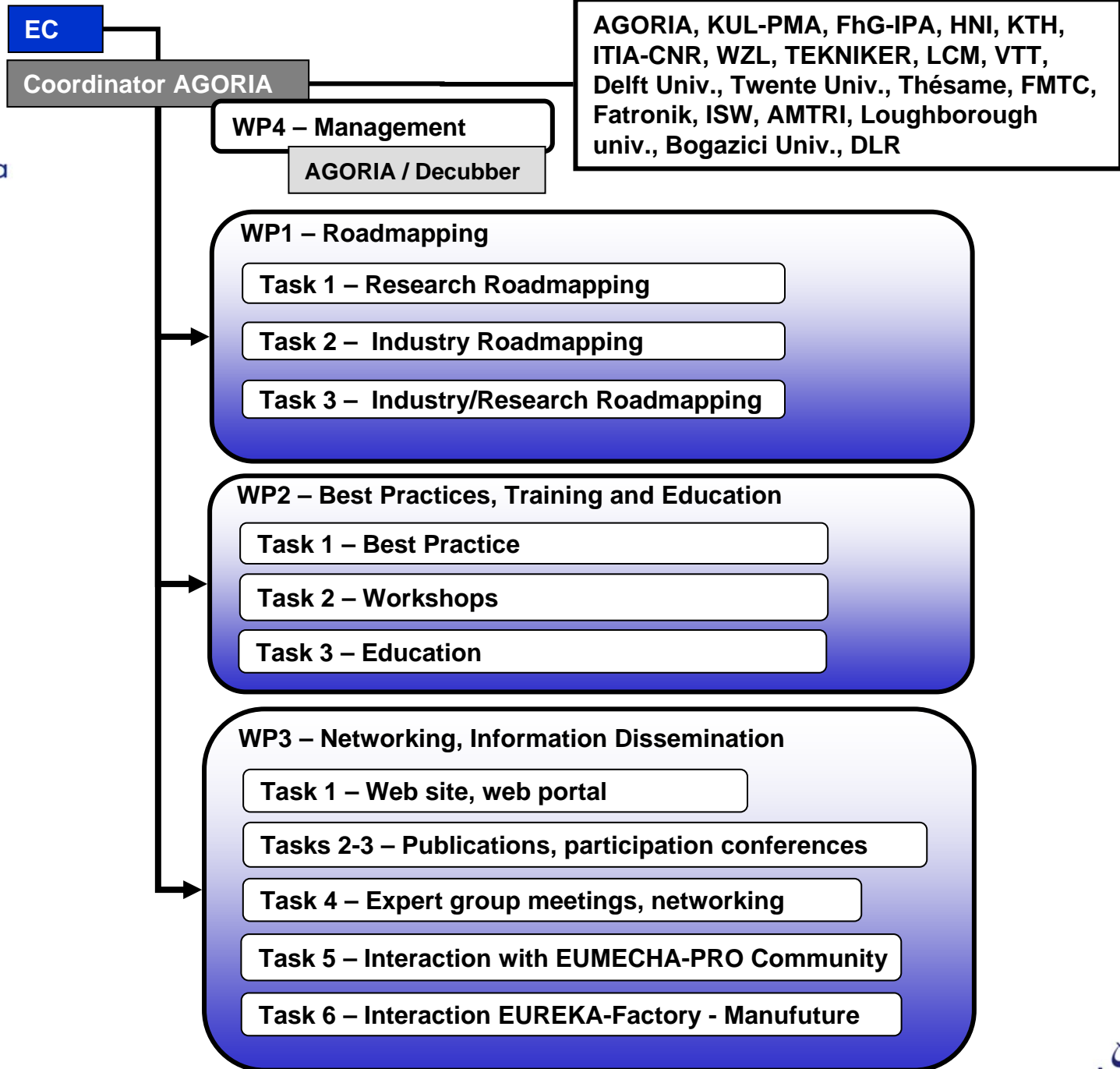


The Agoria Roadmapping Approach at
European level

EU 6th Framework Programme
Coordination (April 2005 – June 2007)

- Subsector roadmapping at European level (machine tools, textile machinery, factory automation, productronics, agricultural machinery, civil construction, controls, drives, transmissions, compressors - pumps) – 10 Belgian companies involved
- Technology roadmapping in the field of Mechatronics – 18 European top institutes in Mechatronics







Activities of AGORIA in the context of MANUFUTURE



Research or Technology Roadmaps (Enabling technologies)

Industry Roadmaps (Equipment/service characteristics)

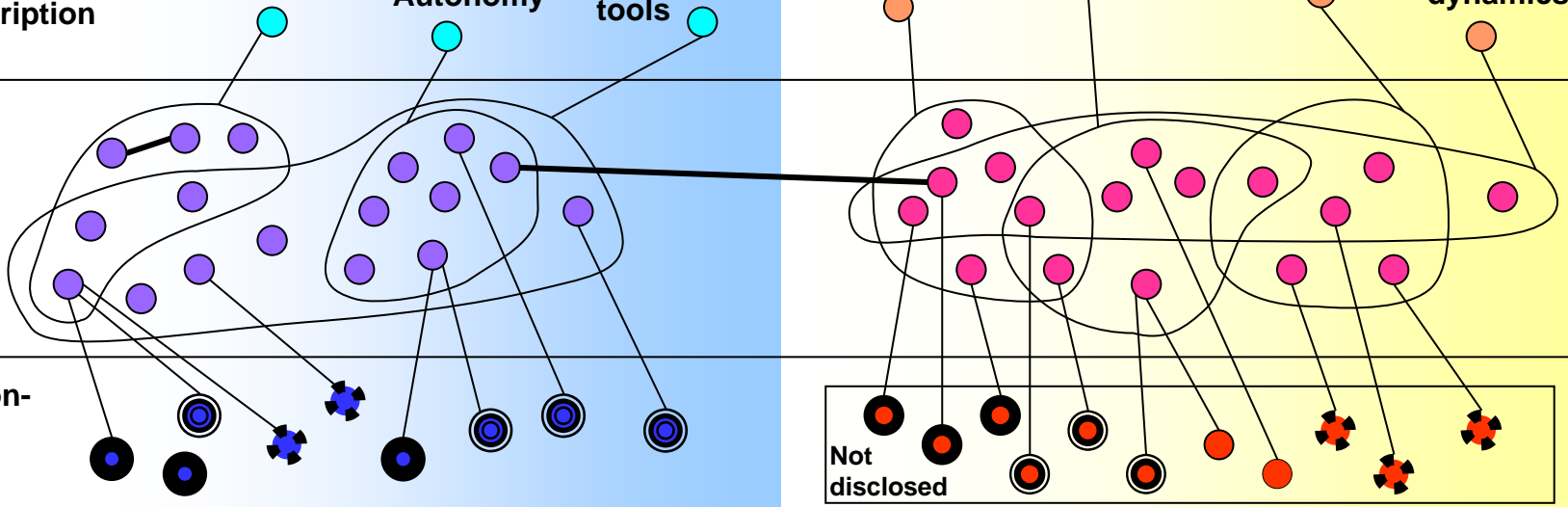
Roadmap title –
scope description

Human Machine
Interfaces Autonomy Design
methods/
tools

Textile
equipment Robotics Machine
tools Machine
kinematics
dynamics

Roadmap
Targets

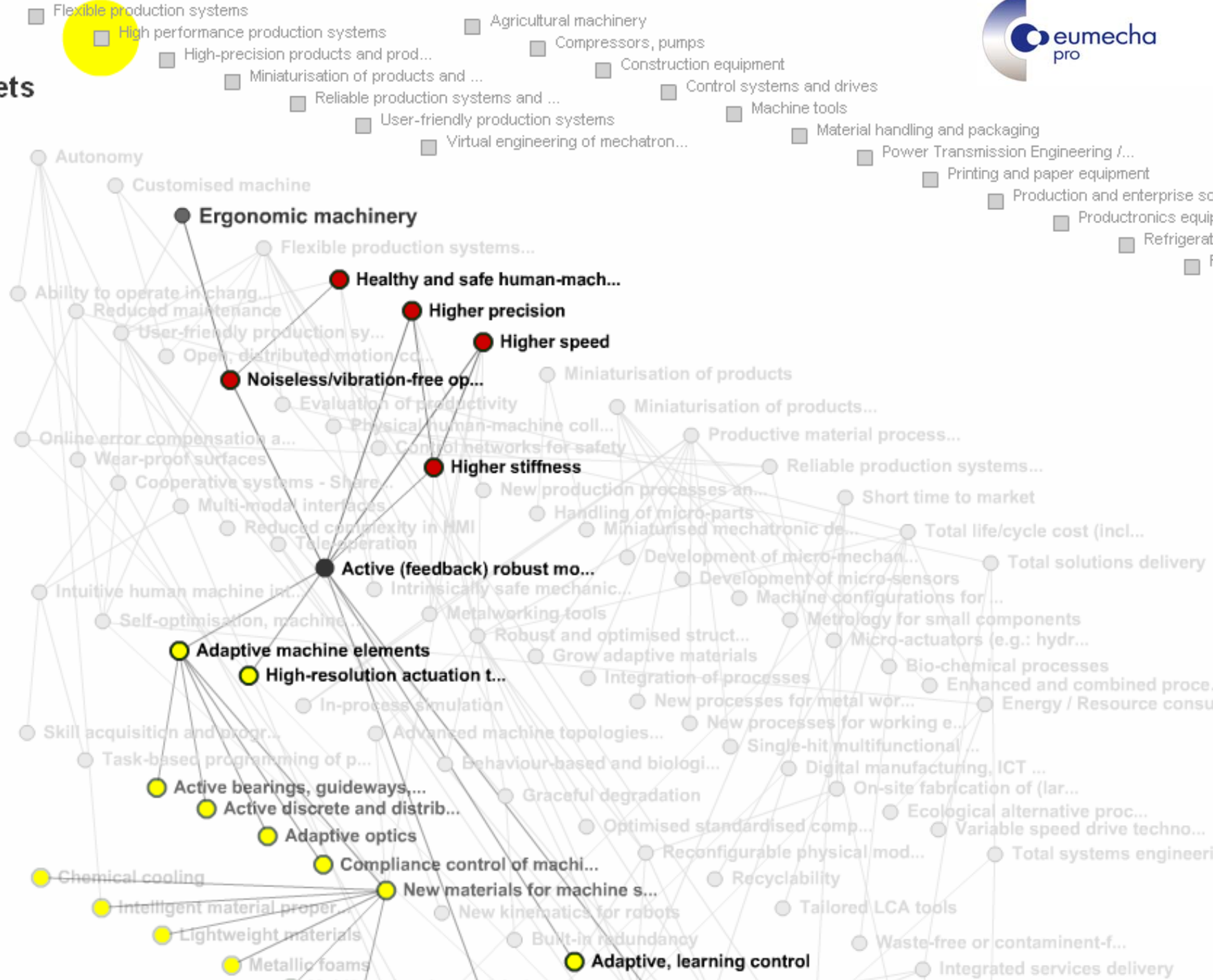
Organization-
Specific
Objectives/
Visions



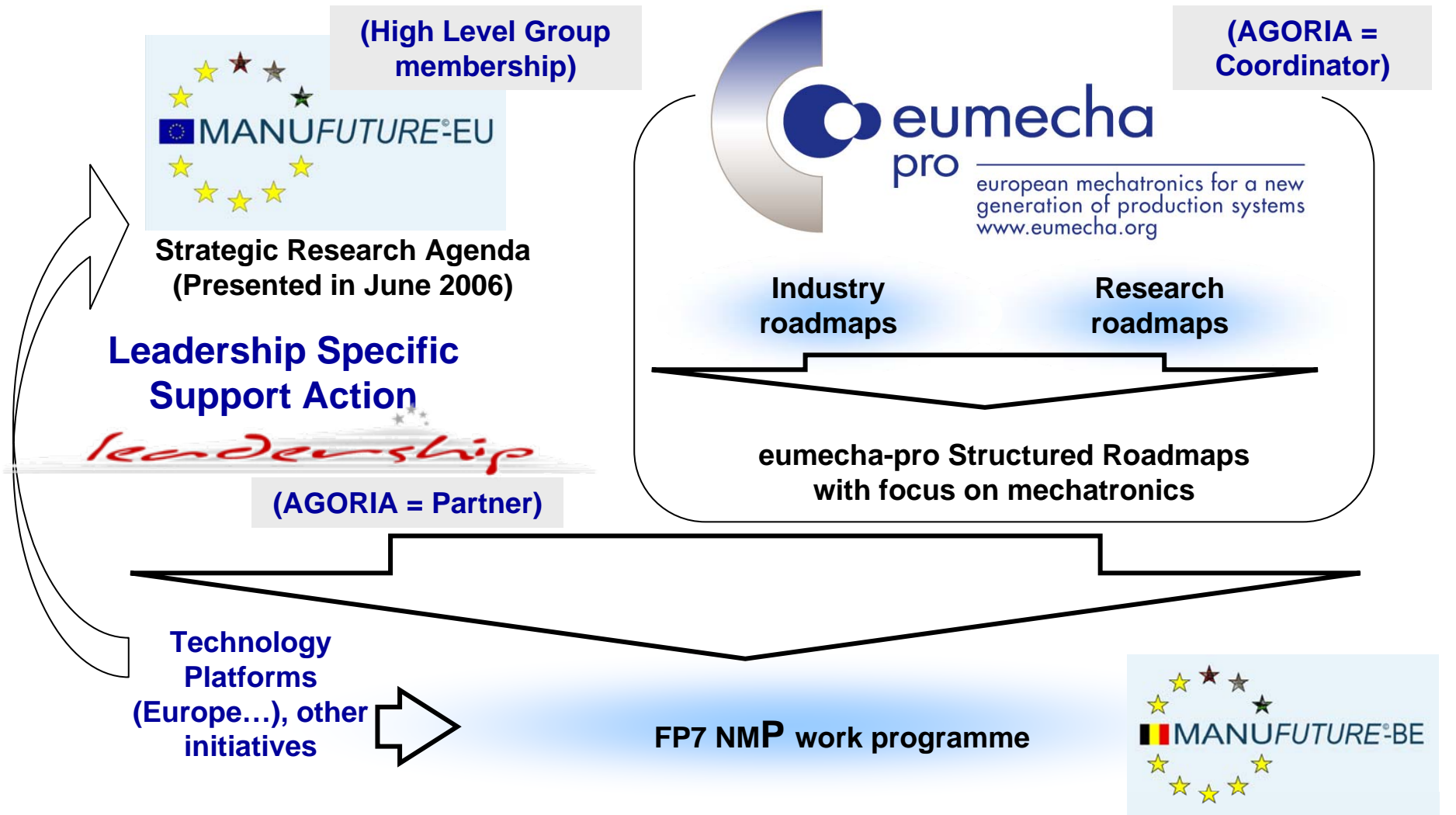
- Research Organisation A
- Research Organisation B
- Research Organisation C

- Weaving equipment manufacturer A
- Robotics manufacturer B
- Packaging equipment manufacturer C
- Machine tool manufacturer D

Targets

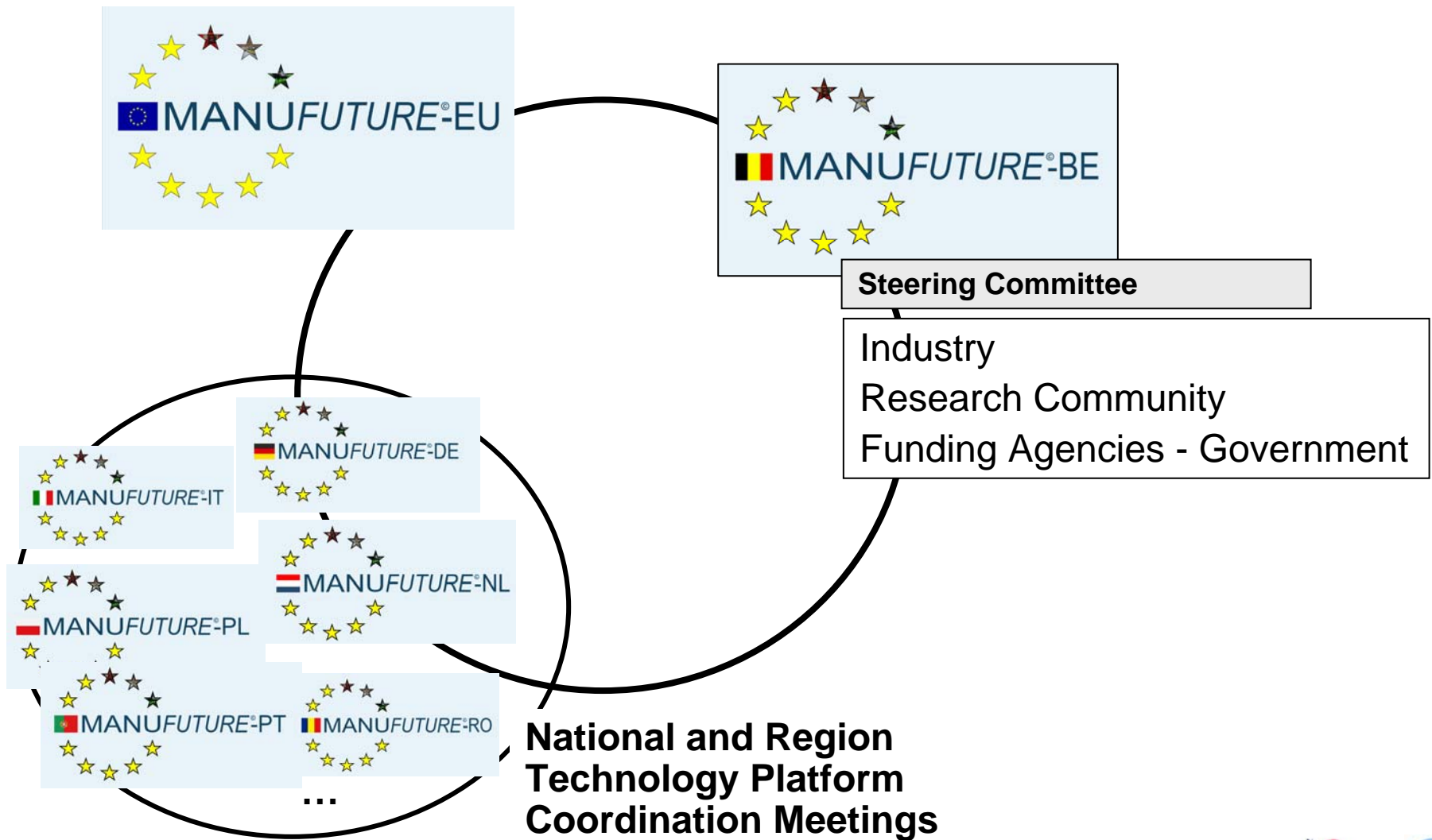


Activities of AGORIA in the context of MANUFUTURE





Objectives and Activities



- Increase Innovation in Manufacturing industry in Belgium
- Increase Participation of Belgian Manufacturing companies in European research

Objectives and Activities



Assure good information dissemination and awareness-making from the European Manufuture Platform to the Belgian industrial and research community.

Facilitate the establishment of a Belgian vision and facilitation of the communication of the vision to the EU Manufuture Platform and other National Manufuture Platforms.



Support the establishment and exploitation of synergies between Belgian research programmes and the European research programmes.

Better integration of Belgian industry and research community in Manufuture-related research initiatives.

Activities Belgian Manufuture Platform (Agoria – WTCM)

Assure good information dissemination and awareness-making from the Manufuture Platform to the Belgian industrial and research community.

- Website "Manufuture.be"
- MANUFUTURE News Flashes (AOL, Techniline)
- Seminars (EU and national / regional)
 - E.g. Presentation of the Manufuture Research Agenda and priorities

Activities Belgian Manufuture Platform (Agoria – WTCM)

Facilitate the establishment of a Belgian vision and facilitation of the communication of the vision to the EU Manufuture Platform and other National Manufuture Platforms.

- Define short, medium and long term RTD industrial needs and RTD priorities of the Belgian manufacturing industry
 - E.g. Ongoing and new roadmapping activities
- Active Participation in Manufuture HLG to present Belgian priorities
- Exchange of R&D needs and priorities with National and Regional Technology Platforms
- Facilitating the access to relevant roadmaps and 'knowledge communities'

Activities Belgian Manufuture Platform (Agoria – WTCM)

*Better integration of Belgian industry and research community in
Manufuture-related research initiatives (FP's, Eureka, ERA-NET,)*

- Information Dissimination on relevant Programs and Calls
(FP's, Eureka, ERA-NET, etc.)
 - AOL - Techniline
 - Seminars on specific topics
 - Specific events on EU and national / regional level
- Support in Project Setup
 - European partner search
 - Assistance in project formulation
 - Preparation and organisation of collective European projects
- Support in joining European Networks of Excellence

Activities Belgian Manufuture Platform (Agoria – WTCM)

*Support the establishment and exploitation of synergies
between Belgian research programmes and the European
research programmes*

- To be elaborated together with Belgian federal & regional authorities

Activities Belgian Manufuture Platform (Agoria – WTCM)

- WTCM: Peter Ramaekers
 - 20 years experience in EU projects, mainly in materials and manufacturing technology
 - 'EC Scout' at WTCM
 - One of the experts in the IWT project EIS (European Innovation Stimulation): main aim is involving more SME's in European collaboration projects,

more info at the site of the Flemish Contact Point for the Framework Programmes:

www.iwt.be/europrogs