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PORTUGUESE PARTICIPATION IN THE MANUFUTURE TP

Synergies with the national initiatives and
success factors

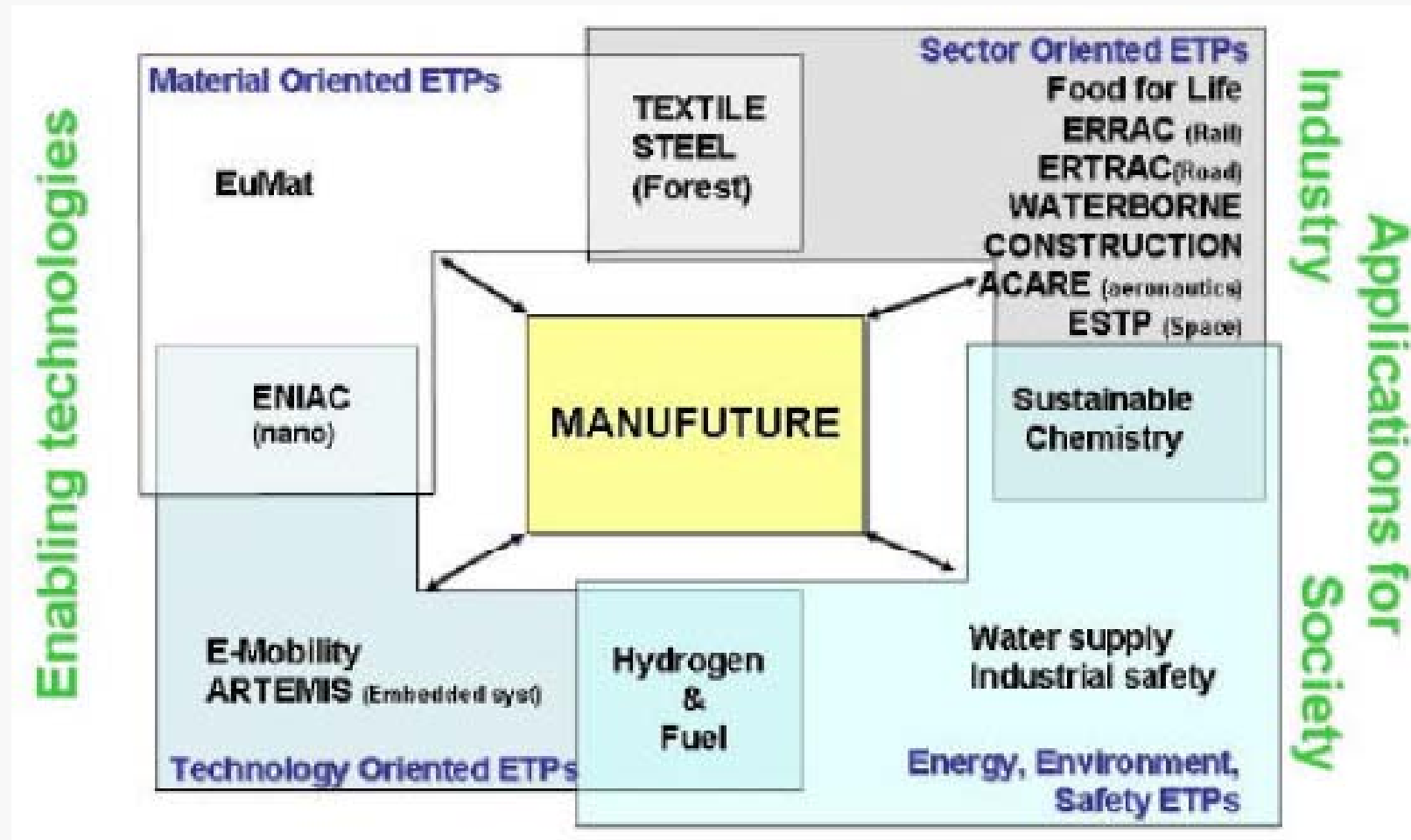
JOSÉ CARLOS CALDEIRA
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Mission of ETP's

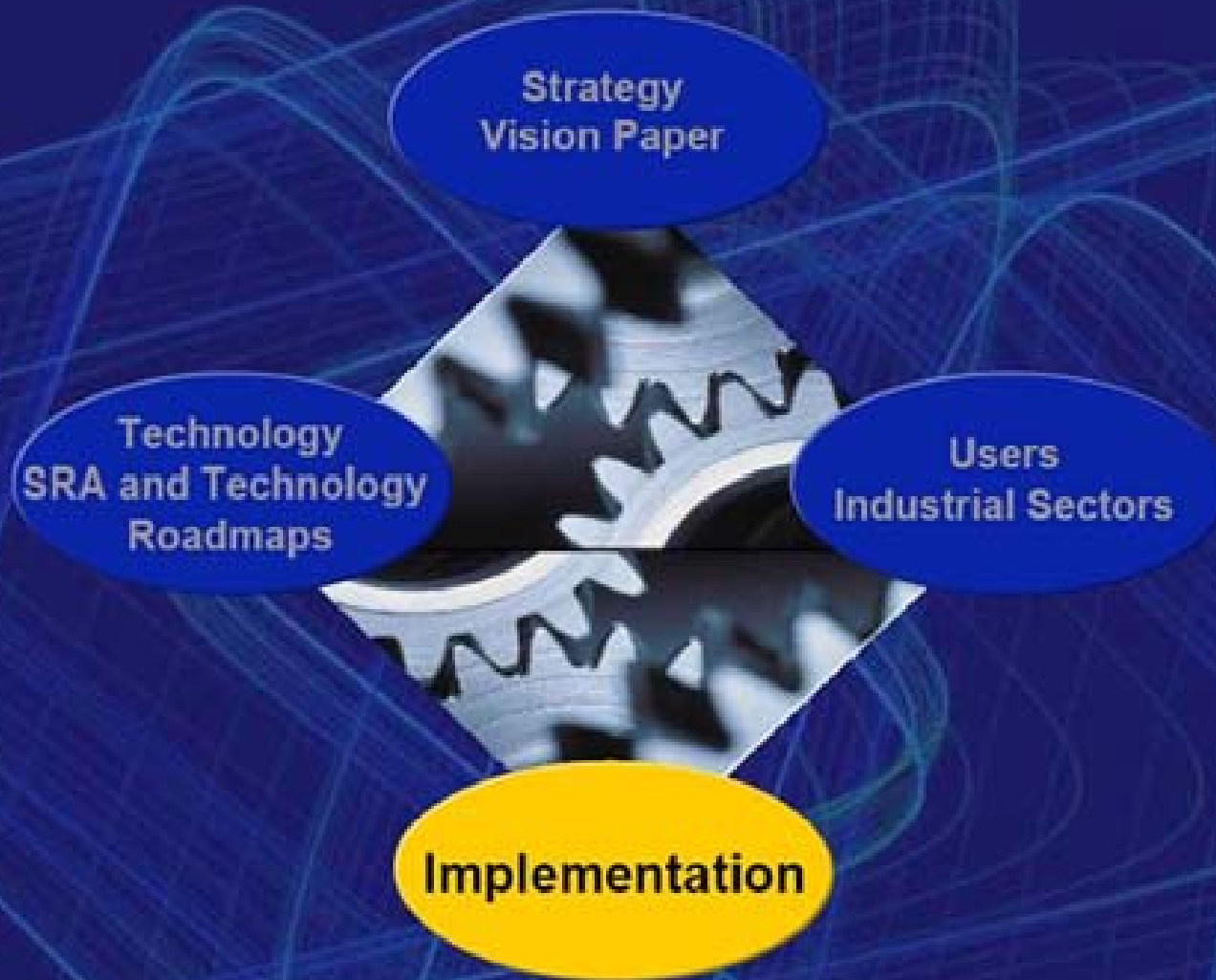
ETP's were created to support EC defining and implementing Research and Innovation priorities and relevant framework conditions, to ensure Europe's sustainable competitiveness

MANUFUTURE it's an umbrella platform, aiming at the development of European MANUFACTURING INDUSTRY, namely by promoting the development of horizontal production technologies

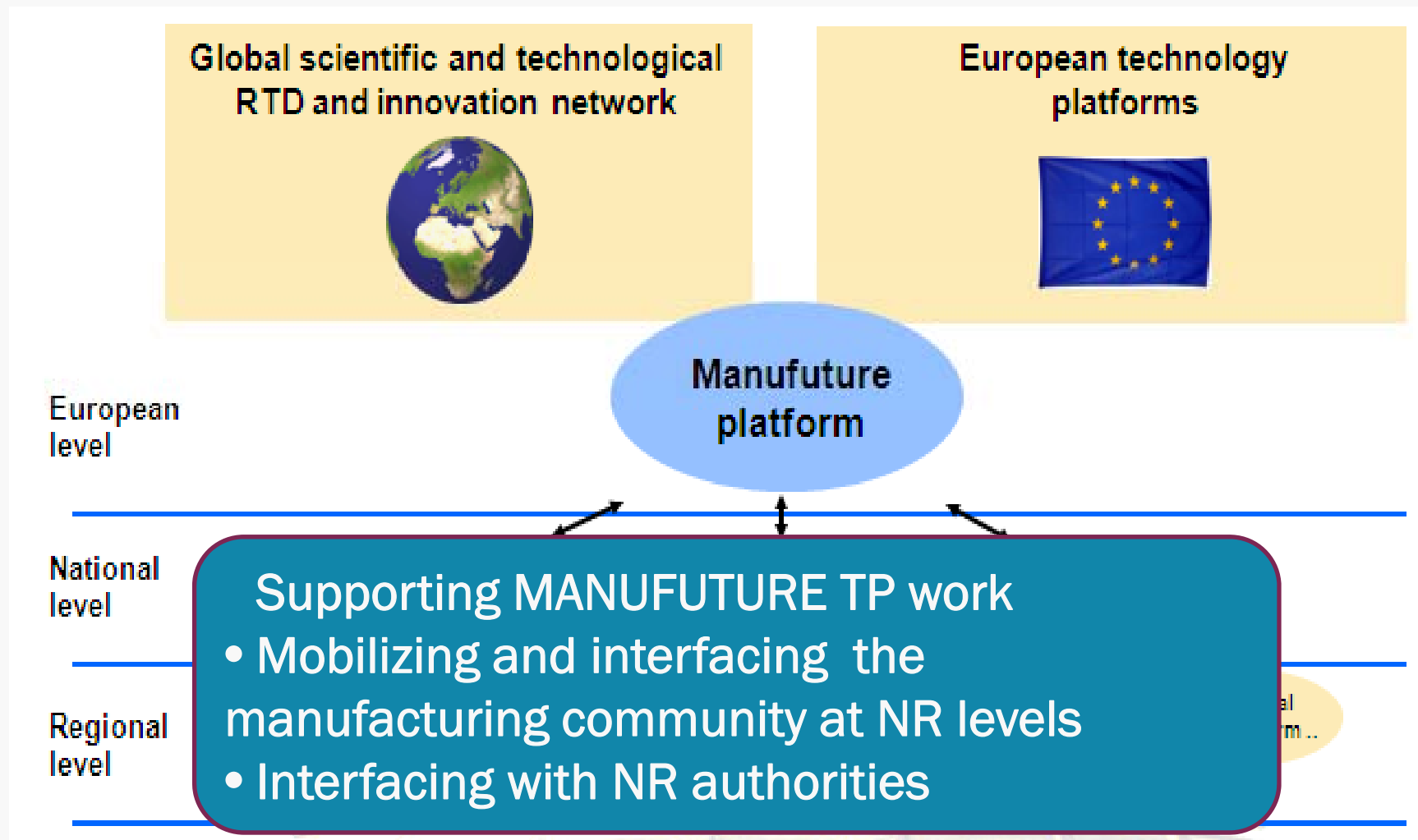
MANUFUTURE Platform as an Umbrella



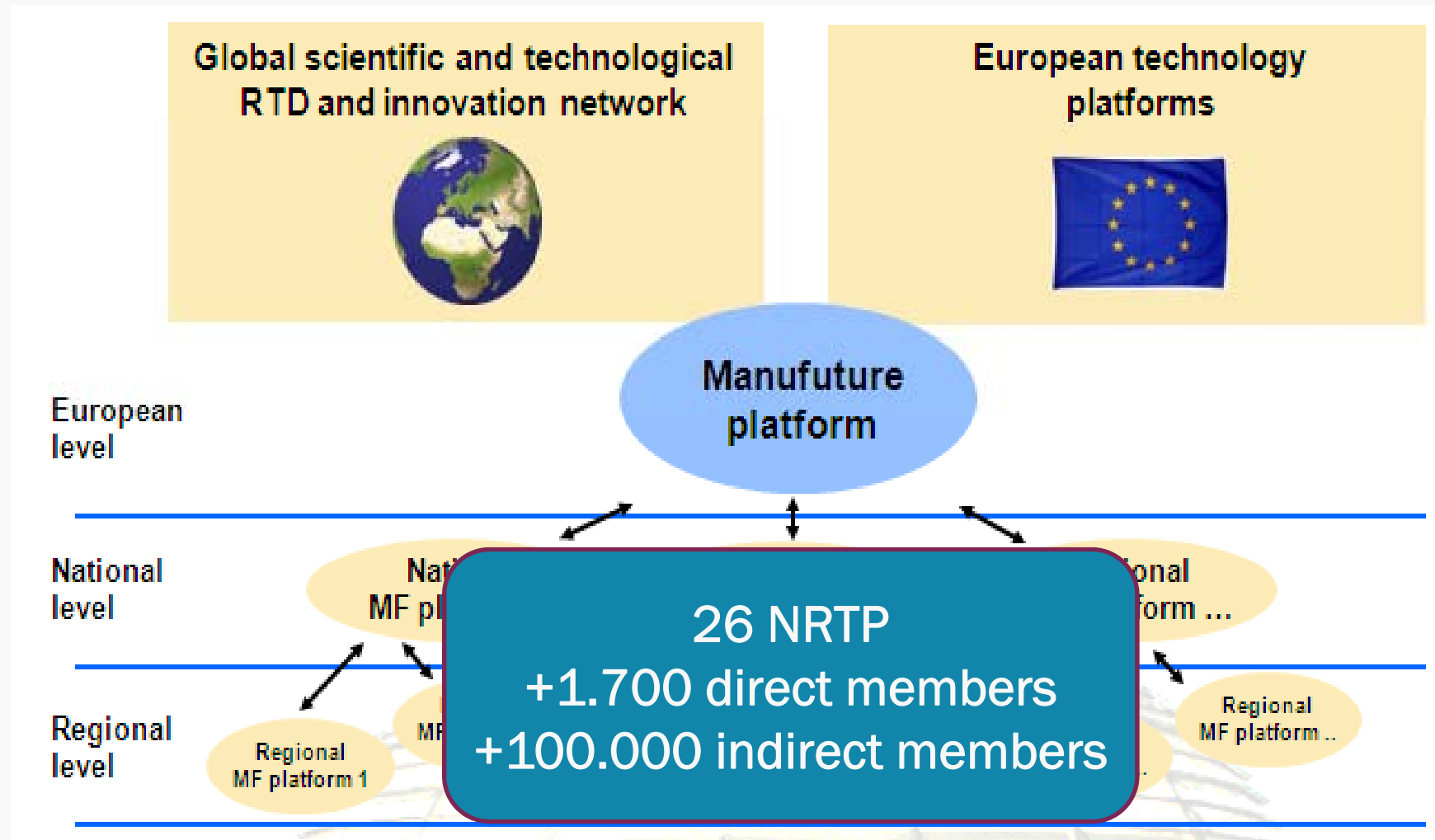
MANUFUTURE Action Plan



MANUFUTURE Multi-level Structure



MANUFUTURE Multi-level Structure



MANUFUTURE Action Plan – Strategic Intelligence

- 2003 - Initial Ad-hoc group (30 people)
- 2003-12: First Conference (Milan-IT)
 - First meeting of a national group (2004-10)
- 2004-12: Release of “A VISION FOR 2020” + Launch of the MANUFUTURE Platform (Enschede-NL)
 - Creation of Fórum MANUFUTURE Portugal (2005-07)
- 2005-12: Release of “MANUFUTURE SRA” (Derby-UK)
 - Organization of the first Industrial Advisory Group Meeting, in Porto (2006-07)
- 2006-12: Presentation of the MANUFUTURE ROADMAPS (Tampere-FI)

MANUFUTURE ROADMAPING

New industrial models and strategies

Adaptive production systems

Networked production

Knowledge based engineering

Convergence of technologies

ICT for Manufacturing



First MANUFUTURE IAG Meeting



Debating the SRA:

- 61 participants
- 40 from industry
- 15 countries

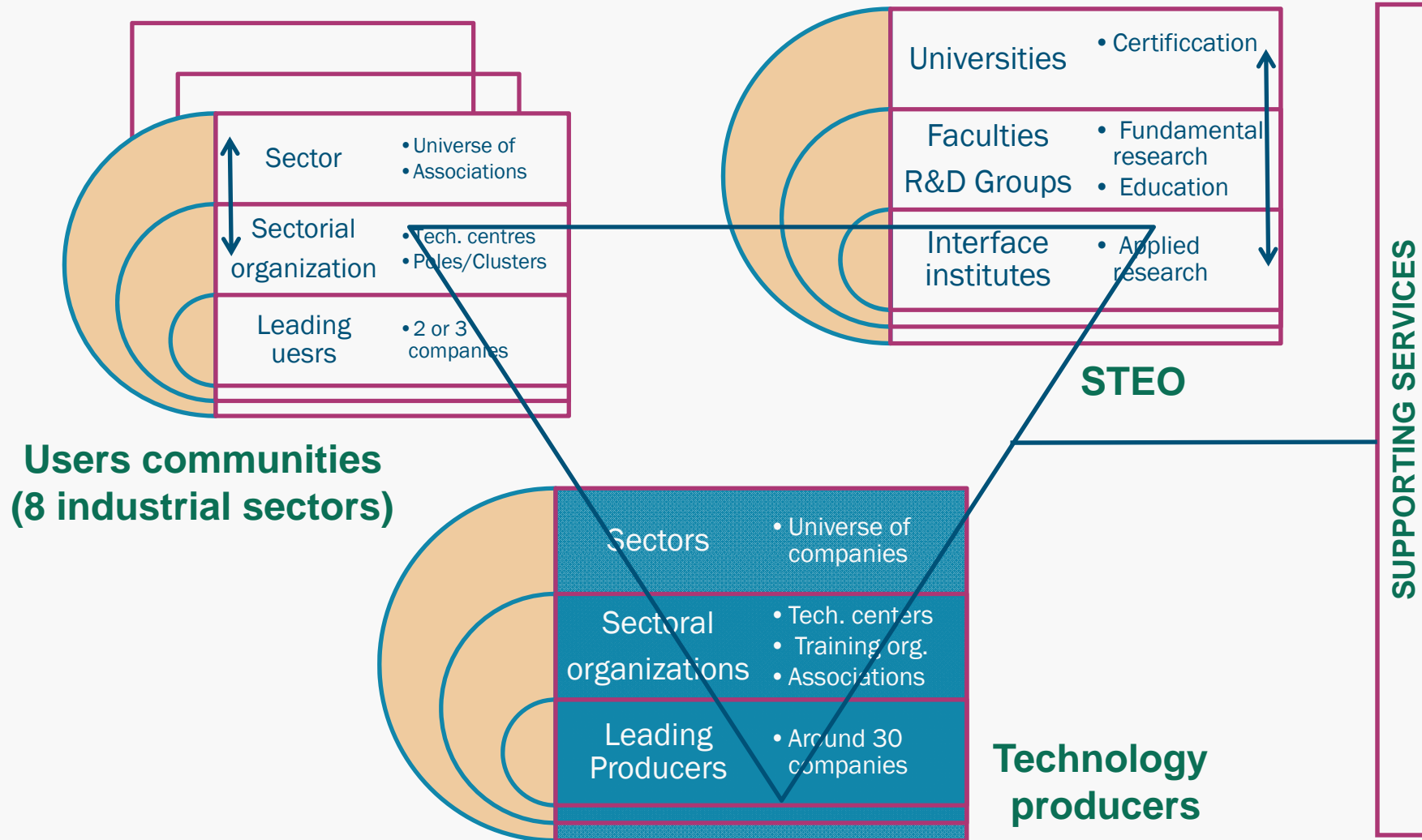
Coverage from all television networks and main newspapers



MANUFUTURE Action Plan – Implementation Phase (I)

- 2007-12: MANUFUTURE Conference in Porto
 - Production of the MANUFUTURE Porto MANIFESTO (2008-03)
 - Meeting with the President of the EC (2008-07)
- 2008-03: Launch of the MANUFUTURE JTI Task force
 - Decision to prepare a proposal for the EEC national programme (2008-04)
 - Creation of PRODUTECH – Associação para as Tecnologias de Produção Sustentável
 - Presentation of the proposal (2008-10)

PRODUTECH - Portuguese Production Technologies Pole Architecture



PRODUTECH - Portuguese Production Technologies Pole

Integrated Action Plan

HORIZONTALS	THEMATIC
<u>H1 - PROSPECTIVE, STRATEGY, ROADMAPING AND VIGILANCE</u>	<u>T1 - NEW BUSINESS MODELS</u>
H2 - MARKETING AND INTERNATIONAL PROMOTION	T2 - INTELLIGENT PRODUCTION SYSTEMS
H3 - INFORMATION, DISSEMINATION AND DEMONSTRATION	T3 - PERFORMANCE, FLEXIBILITY AND EFFICIENCY
H4 - INTERNATIONAL NETWORKS AND BODIES	T4 - MODELLING AND SIMULATION
H5 - R&D MANAGEMENT CAPABILITIES	T5 - OPERATIONS MANAGEMENT AND LOGISTICS
H6 - ENTREPRENEURSHIP	<u>T6 - NETWORKED PRODUCTION SYSTEMS</u>
<u>H7 - ADAPTATION OF EDUCATION AND TRAINING PROGRAMS</u>	T7 - ADVANCED TECHNOLOGIES AND NEW PRODUCTION SYSTEMS
H8 - CLUSTER MANAGEMENT AND COORDINATION	T8 - ENERGY AND ENVIRONMENTAL EFFICIENCY
	T9 - ADVANCED TOOLS FOR NEW PRODUTCS AND SYSTEMS DEVELOPMENT
	T10 - ACTIVE AND PASSIVE SAFETY IN PRODUCTION SYSTEMS

MANUFUTURE Action Plan – Implementation Phase (II)

- 2008-11: Release of the European Economic Recovery Plan
 - PRODUTECH approved as a Pole (with conditions) (2009-02)
- 2009-04: MANUFUTURE launches the European Factories of the Future Research Association (EFFRA)
 - The previous Portuguese experience with PRODUTECH had a considerable influence

Portuguese participation

MANUFUTURE Platform

- Carlos Costa: Vice Chairman HLG (now EIB)
- Belmiro de Azevedo (SONAE): Chairman of the Industrial Advisory Group
- José Manuel Mendonça (INESC Porto): Implementation Support Group (Executive Board) + HLG
- José Carlos Caldeira: Chairman of the NRTP Group + ISG + HLG
- Other HLG members: Fernando Sousa (CEI)+Joaquim Menezes (IBEROMOLDES)+ Knut Kappenberg (SONAE)

EFFRA

- GA: SONAE, CEI, IBEROMOLDES, INESC Porto
- BoD: Carlos Bianchi de Aguiar (SONAE) + José C. Caldeira (Chairman NRTP)

Success factors

- Active involvement from Industry
- Dynamics and organization at national/regional level
- All relevant stakeholders should be involved: industry (technology producers and users + research and education, organizations + technology centers, associations + public bodies, etc.)
- A clear strategy and an action plan, at national/regional level, aligned with the European level
- The existence of complementary initiatives and funds, at national/regional level, capable of supporting the projects and other activities.

The future

- Be an active partner from the EC for the definition and implementation of existing and new policies and programmes to support the sustainable development of European Manufacturing Industry
- Increase the Portuguese participation in the EC R&D programmes, specially from industry
- Promote the creation of complementary programmes at national level.
- Promote the alignment between European and national/regional funding programmes (namely using structural funds)
- Monitor and evaluate the results of our work, in terms of industrial competitiveness, and learn from there

Related information

- MANUFUTURE technology Platform: www.manufuture.org
- Fórum MANUFUTURE Portugal: www.forum-manufuturep.org
- PRODUTECH: www.produtech.org
- MANUFUTURE 2007 Conference:
www.manufuture2007.inescporto.pt

***“Many times, what seems impossible
It’s only difficult”***

THANK YOU FOR YOUR ATTENTION