

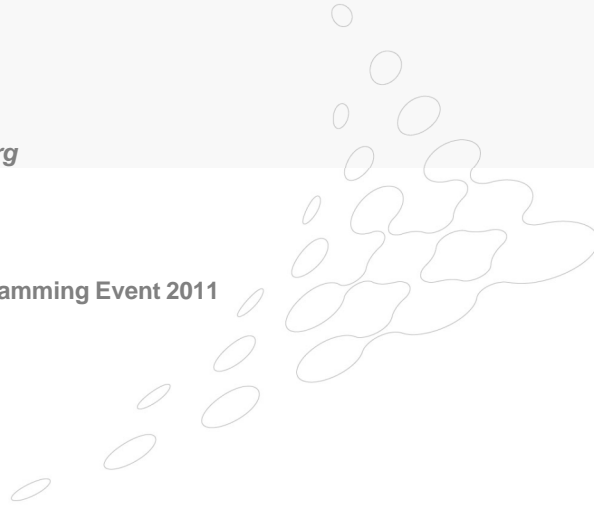
## M-ERA.NET

Pilot umbrella for multi-annual programming in materials science and engineering



Roland Brandenburg  
FFG, Austria

9 Nov 2011  
Annual Joint Programming Event 2011

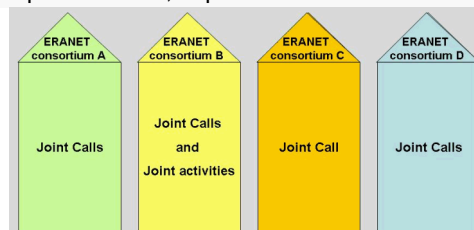


## Motivation



### Present situation:

- many funding organisations involved in multiple ERA-NETs contracts
- partial overlap of activities, duplication of efforts



à increasing demand for coordination between national/regional programmes, ERA-NETs & EC

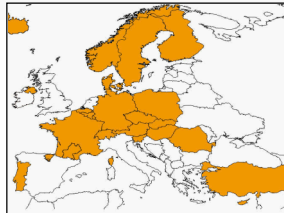
### Needs:

- better alignment of programme strategies for transnational collaboration
- more efficient use of resources
- coherent and transparent communication of opportunities to the RTD community

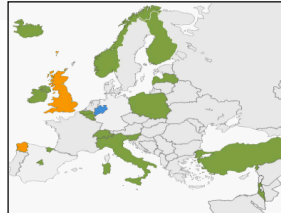
## Starting point: 2 ERA-NETs



MNT-ERA.NET



MATERA(+)



### Background:

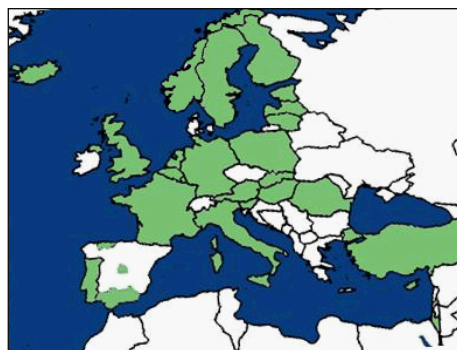
- MNT-ERA.NET (2004-2008): micro & nano technologies
- MATERA (2005-2011): materials
- MNT-ERA.NET II (2009-2011 ): micro & nano technologies
- MATERA+ (2009-2013): materials

## A new partnership: M-ERA.NET



From materials science and engineering to innovation for Europe

- 36 funding organisations: 29 national + 7 regional
- 25 European countries
- lifetime 1/2012-12/2015 (tbc)



## The M-ERA.NET consortium



AT	FFG	Austrian Research Promotion Agency
AT	BMVIT	Federal Ministry for Transport, Innovation and Technology
AT	FWF	Austrian Science Fund
BE-FL	FWO	Research Foundation Flanders
BE-FL	INVT	Agency for Innovation by Science and Technology
BE-WA	DGo6	Service public de Wallonie
CY	RPF	Research Promotion Foundation
DE	BMBF	Federal Ministry of Education and Research
DE	DFG	Deutsche Forschungsgemeinschaft
DE	JULICH	Forschungszentrum Jülich
DE	KIT	Karlsruher Institut für Technologie
EE	ETF	Estonian Science Foundation
ES-AN	IDEA	Agencia de innovación y desarrollo de Andalucía
ES-AS	IDEPA	Instituto de desarrollo económico del principado de Asturias
ES-MA	fmf+d	Foundation for knowledge MADRIMASD
FI	Tekes	Finnish Funding Agency for Technology and Innovation
FR	ANR	Agence Nationale de la Recherche
FR-MP	RMP	Regional council of Midi-Pyrenees
HU	OTKA	Hungarian Scientific Research Fund
IL	MATIMOP	Israeli Industry Centre for R&D
IS	RANNIS	Icelandic Centre for Research
IT	MIUR	Ministry of Education, University and Research
IT-PI	PIEMONTE	Regione Piemonte
LT	RCL	Research Council of Lithuania
LU	FNR	National Fund for Research
LV	LAS	Latvian National Academy of Sciences
NL	NWO	Netherland Organisation for Scientific Research
NO	RCN	Research Council of Norway
PL	NCBiR	National Centre for Research and Development
PT	FCT	Foundation for Science and Technology
RO	UEFISCDI	National Agency for Scientific Research
SE	VINNOVA	Swedish Governmental Agency for Innovation Systems
SI	MHES	Ministry of Higher Education, Science and Technology
SK	SAS	Slovak Academy of Science
TR	TUBITAK	Scientific and Technological Research Council of Turkey
UK	TSB	Technology Strategy Board

14% MATERA & MNT-ERA.NET II

19% MATERA

25% MNT-ERA.NET II

43% new partner

## The M-ERA.NET mission



- **complement existing instruments** and contribute to EU policies
- support the exploitation of created knowledge along the **whole innovation chain**, from basic research to applied research and innovation;
- allow **flexible coverage of topics** in **materials science and engineering**, including future topics;
- **strategic programming of joint activities** addressing societal and technological needs in an interdisciplinary approach;
- implement **joint calls and other joint activities** based on good practices
- mobilise a **critical mass of national and regional funding**, thereby achieving a **very large leverage effect** of the requested FP7 funding;
- establish **international cooperation** with the most appropriate partners for specific global challenges (e.g. Brazil, Canada, Japan, Korea, Taiwan, USA);

## Addressing the whole innovation chain



country	short name		basic res.	applied res.
AT	FFG	Austrian Research Promotion Agency	N	Y
AT	BMVIT	Federal Ministry for Transport, Innovation and Technology	N	Y
AT	FWF	Austrian Science Fund	Y	N
BE-FL	FWO	Research Foundation Flanders	Y	N
BE-FL	IWT	Agency for Innovation by Science and Technology	N	Y
BE-WA	DGo6	Service public de Wallonie	N	Y
CY	RPF	Research Promotion Foundation	Y	Y
DE	DFG	Deutsche Forschungsgemeinschaft	Y	N
DE	BMBF	Federal Ministry of Education and Research	N	Y
DE	JULICH	Forschungszentrum Jülich	N	Y
DE	KIT	Karlsruher Institut für Technologie	N	Y
EE	ETF	Estonian Science Foundation	Y	Y
ES-AN	IDEA	Agencia de Innovación y desarrollo de Andalucía	N	Y
ES-AS	IDEPA	Instituto de desarrollo económico del principado de Asturias	N	Y
ES-MA	fini+d	Foundation for knowledge MADRIMASD	Y	Y
FI	TeKes	Finnish Funding Agency for Technology and Innovation	N	Y
FR	ANR	Agence Nationale de la Recherche	Y	Y
FR-MP	RMP	Regional council of Midi-Pyrenees	N	Y
HU	OTKA	Hungarian Scientific Research Fund	Y	N
IL	MATIMOP	Israeli Industry Centre for R&D	N	Y
IS	RANNIS	Icelandic Centre for Research	Y	Y
IT	MUR	Ministry of Education, University and Research	N	Y
IT-PI	PIEMONTE	Regione Piemonte	N	Y
LT	RCL	Research Council of Lithuania	Y	Y
LU	FNR	National Fund for Research	Y	Y
LV	LAS	Latvian National Academy of Sciences	Y	Y
NL	NWO	Netherland Organisation for Scientific Research	Y	Y
NO	RCN	Research Council of Norway	Y	Y
PL	NCBIR	National Centre for Research and Development	Y	Y
PT	FCT	Foundation for Science and Technology	Y	Y
RO	UEFISCDI	National Agency for Scientific Research	Y	Y
SE	VINNOVA	Swedish Governmental Agency for Innovation Systems	N	Y
SI	MHEST	Ministry of Higher Education, Science and Technology	Y	Y
SK	SAS	Slovak Academy of Science	Y	Y
TR	TUBITAK	Scientific and Technological Research Council of Turkey	N	Y
UK	TSB	Technology Strategy Board	N	Y

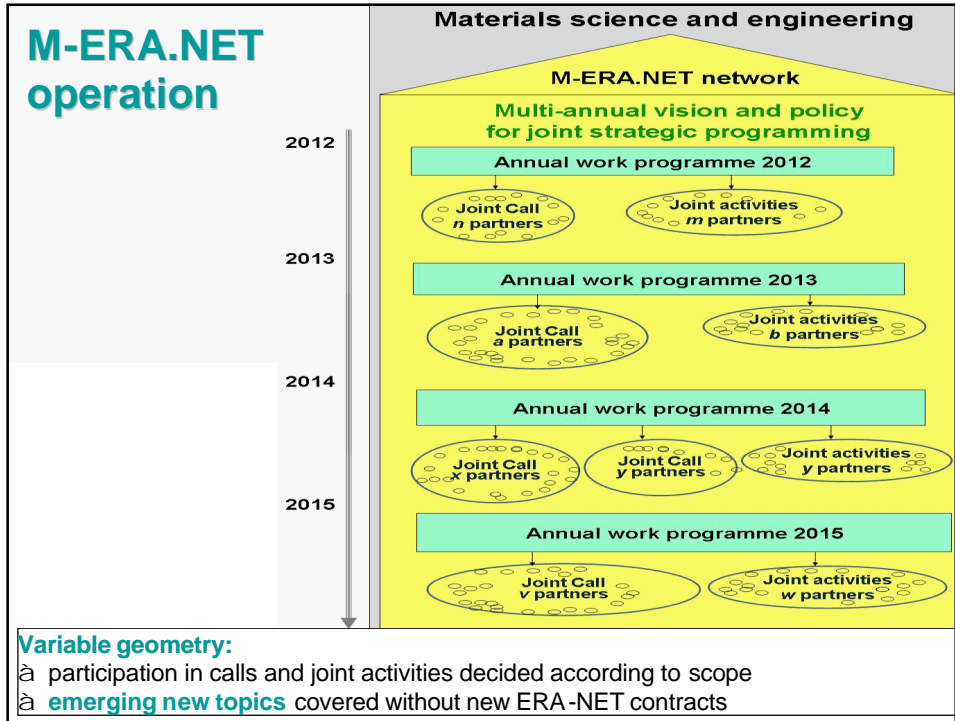
89%	applied research
47%	applied research only
52%	basic research
11%	basic research only

## M-ERA.NET objectives



	Target for M-ERA.NET	Effect compared to average ERA-NET
realizing the ERA: large consortium	25 countries	x2 (12)
geographical coverage of joint calls	27 countries	x3 (9)
national funding mobilised per call	35 MEUR	x5 (7)
leverage effect of EC contribution	1:50	x10 (1:5)
number of funded projects	200	x10 (20)

	Target for M-ERA.NET
joint strategic programmes	systematic multi-annual joint programming
newcomers to transnational RTD	>10% of applicants in a joint call
international RTD partnerships	> 5% participation from outside Europe
joint monitoring policy	systematic monitoring of all funded projects
sustainable partnerships beyond M-ERA.NET	50% of agencies will have ongoing cooperation























## Thank you !

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