



EUROPEAN  
COMMISSION

European  
Research Area

# ERA-NET and ERA-NET Plus under FP7

**Strategic links, mutual learning and information  
exchange between ERA-NETs and their stakeholders**

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RTD.B1



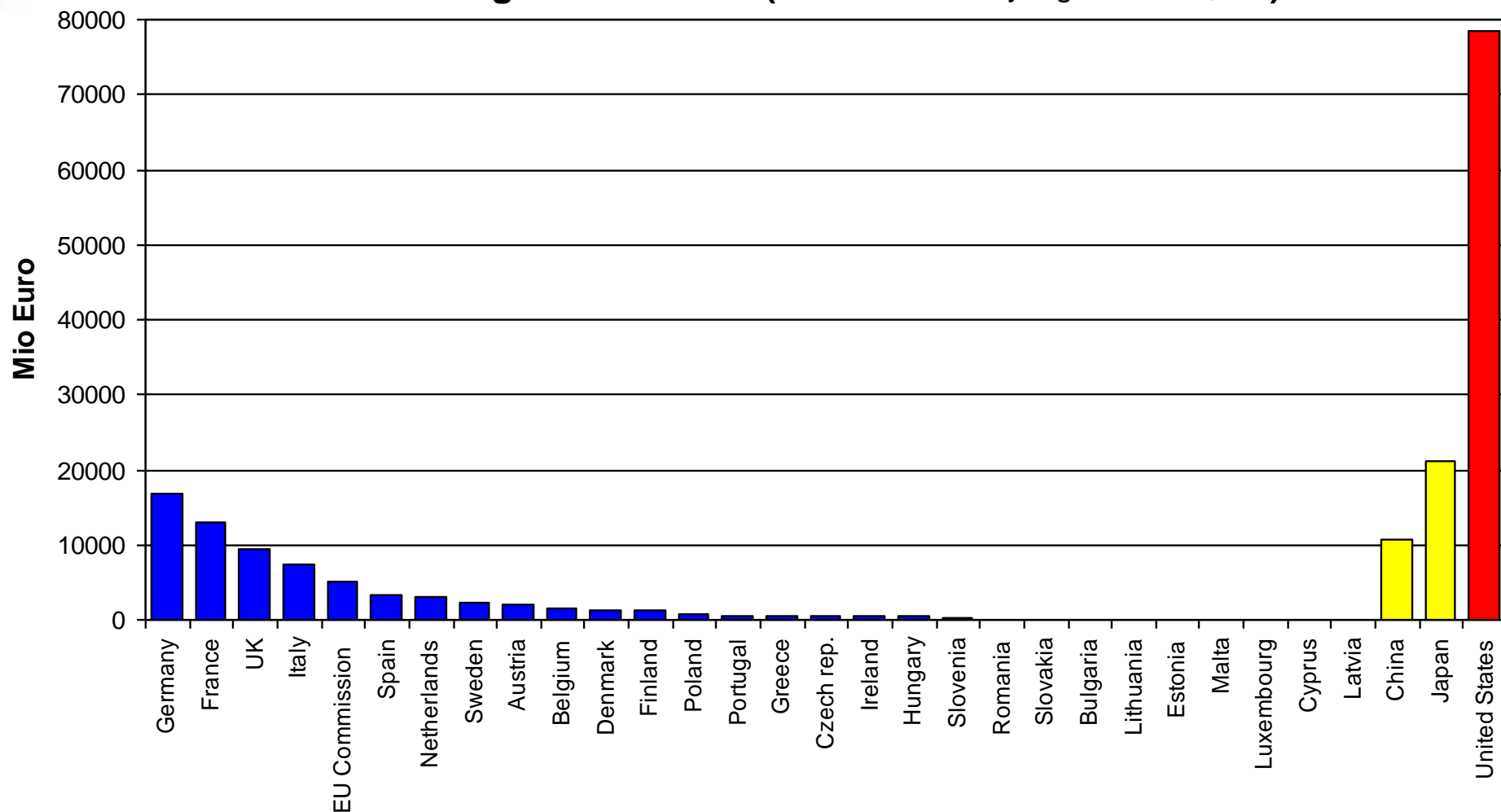
# European Research Area

*3 concepts*

- the creation of an **"internal market" in research**  
(free movement of knowledge, researchers and technology)
- the **restructuring** of the **European research fabric**  
(improved coordination of national research activities and policies)
- the development of a **European research policy**  
(taking into account other EU and national policies)

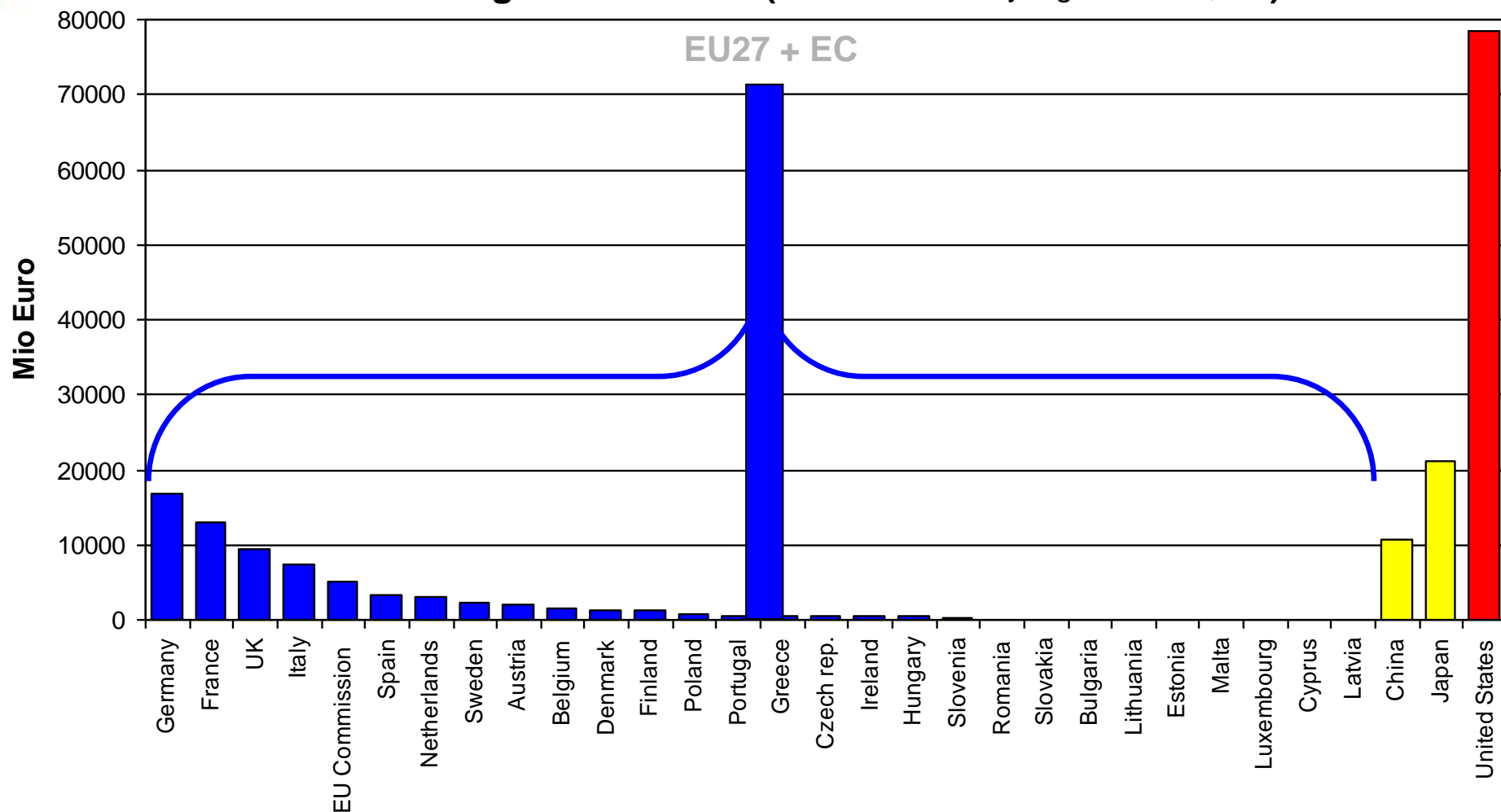
# Restructuring a fragmented ERA

**Public Funding for Research** (Source : ERA Key Figures 2005, EC)



# Restructuring a fragmented ERA

Public Funding for Research (Source : ERA Key Figures 2005, EC)



# Innovation Union

## Europe 2020 Flagship Initiative: Innovation Union

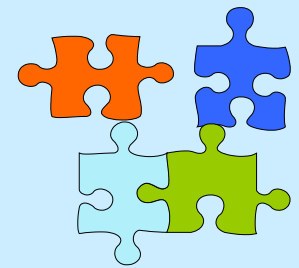
- “Too much fragmentation and costly duplication. We must spend our resources more efficiently and achieve critical mass.”
- “ ... adopt a more strategic approach to innovation”
- **Innovation partnerships**: challenge driven, addressing the whole research and innovation chain and streamlining simplifying and better coordinating existing instruments and initiatives.

# Coordination of national programmes: Overview FP7

## ERA-NET

Like in FP6: Coordination of programmes

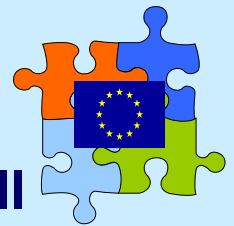
- ✓ MS agree and fund joint calls/programmes
- ✓ EU funding only for coordination



## ERA-NET *Plus*

New in FP7: Top up of a single joint call

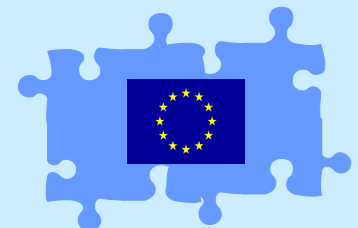
- ✓ MS contribute to a joint trans-national call
- ✓ EU funding for research:  $\leq 33\%$  of the joint call



## Art. 185

Full integration of national programmes

- ✓ Scientific and financial: strong EU funding
- ✓ Single implementing structure



# ERA-NET Objective

To develop and strengthen the coordination of public research **programmes** carried out at national or at regional level.

“**Programmes**” should be understood as entire research programmes, or parts of such programmes, or similar initiatives having the following characteristics:

1. be strategically planned
2. be carried out at national or regional level
3. be financed or managed directly by national or regional public bodies, or by structures closely related (e.g. agencies)

# ERA-NET Participants

All participants should be either:

- **programme owners**, such as national ministries or regional authorities managing a research programme
- **programme managers** (e.g. research councils, agencies) which implement research programmes under programme owners' supervision
- in justified cases: **programme owners without a research programme** but planning to set up one

Participants from **at least 3 different MS or AS**

In addition to the minimum number of participants **other legal entities** (e.g. charities) managing research programmes, may participate

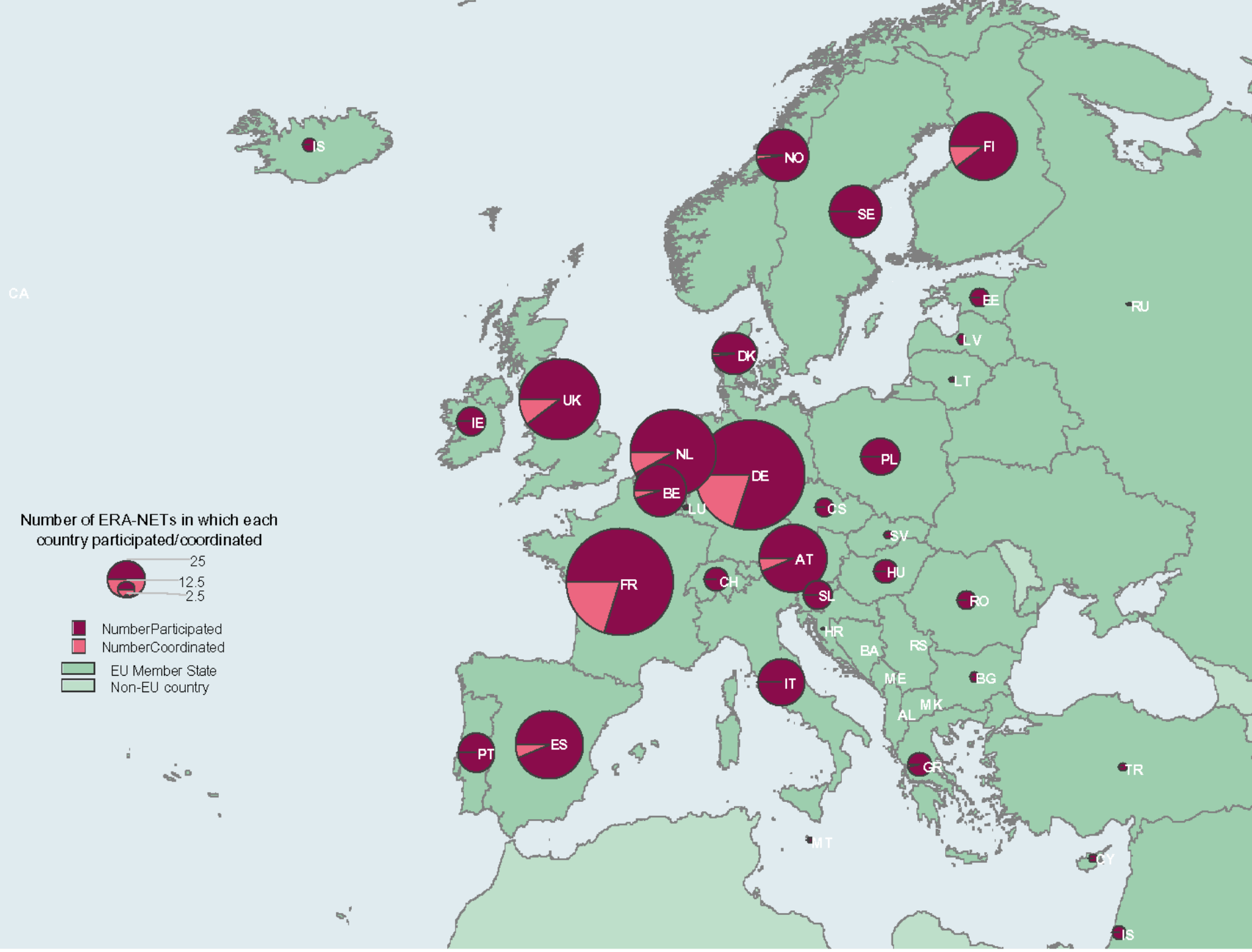
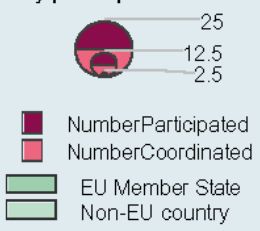
# ERA-NET Activities

**A step by step approach is proposed:**

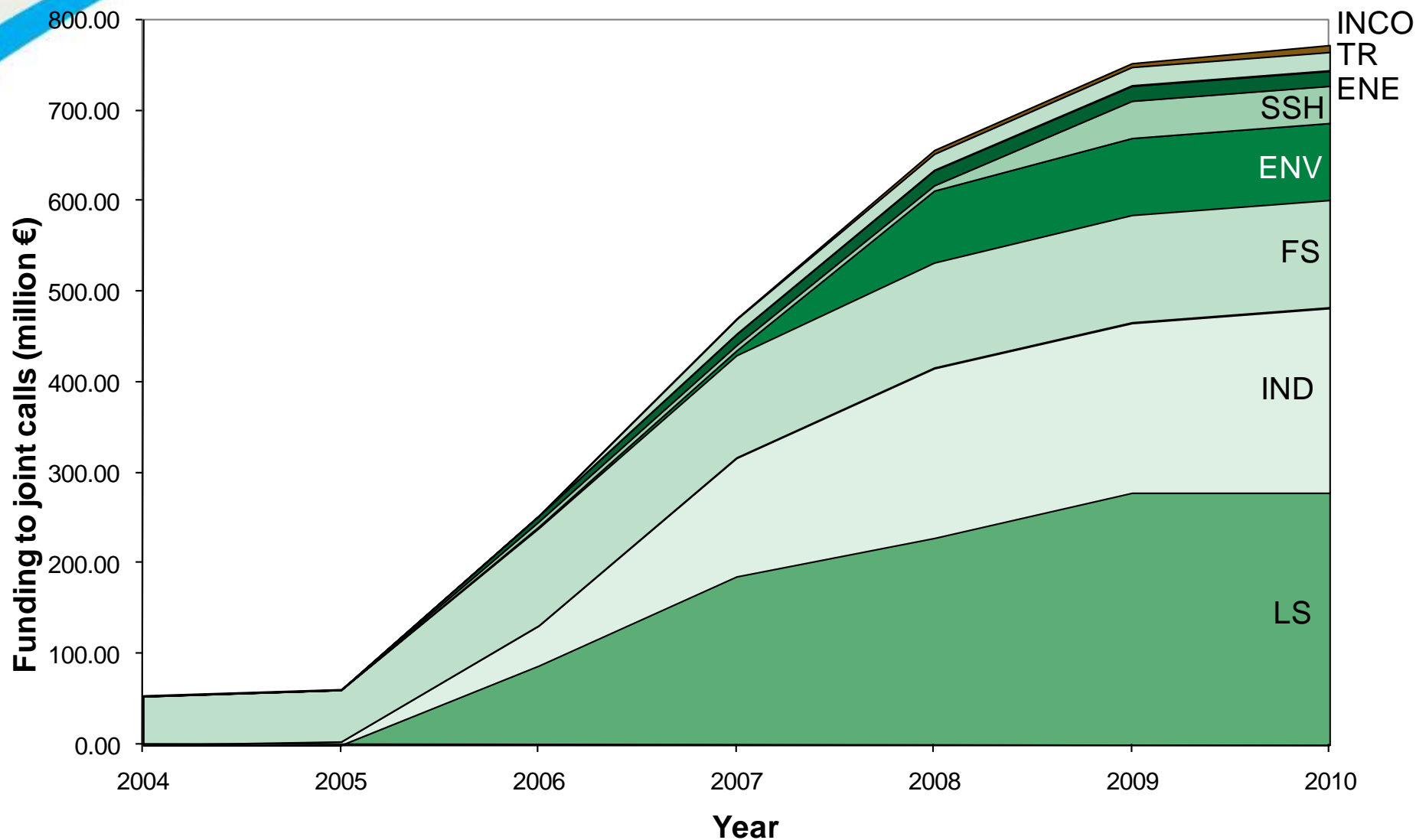
ERA-NET may include the following **activities** to foster coordination and cooperation between programmes:

- 1 – Systematic exchange of information & best practice
- 2 – Definition and preparation of joint activities
- 3 – Implementation of joint activities
- 4 – Funding of transnational research ➔ **Joint calls!!!**

Number of ERA-NETs in which each country participated/coordinated

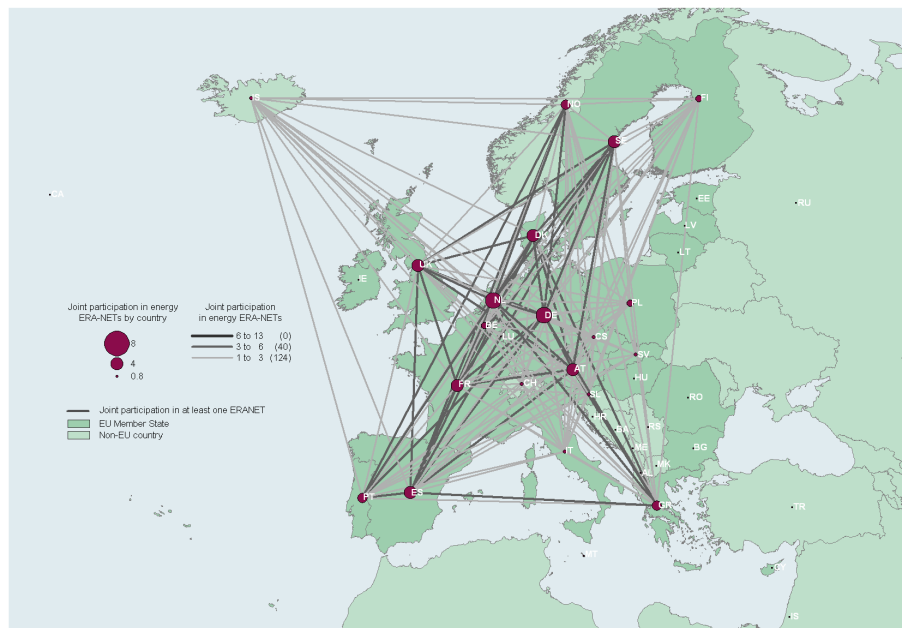


## Cumulative funding to joint calls across years by theme



# Overview of joint participations in Energy ERA-NETs

## Joint participation in Energy ERA-NETs



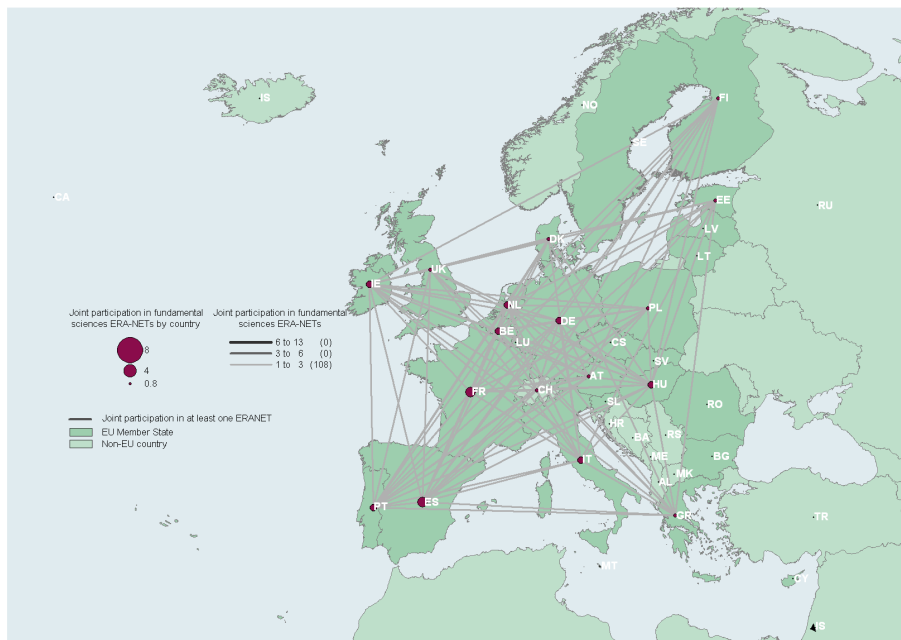
## Joint call participation in Energy ERA-NETs



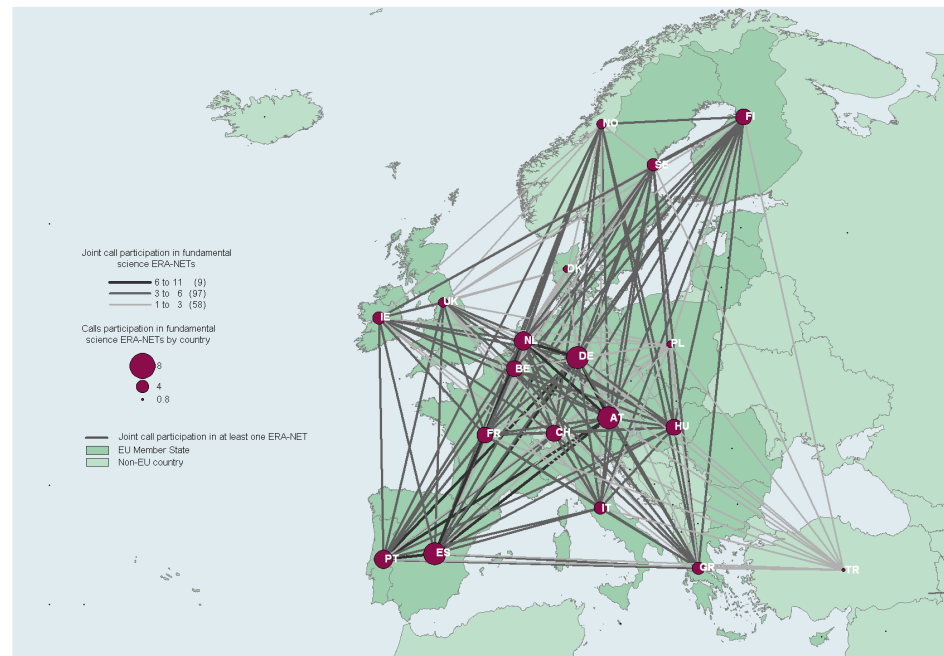
Participants in the Energy theme have funded a relatively low number of joint projects compared to the level of their participation. (See Final Report, Volume 4, Section 2.7)

# Overview of joint participations in Fundamental Sciences ERA-NETs

## Joint participation in Fundamental Sciences ERA-NETs



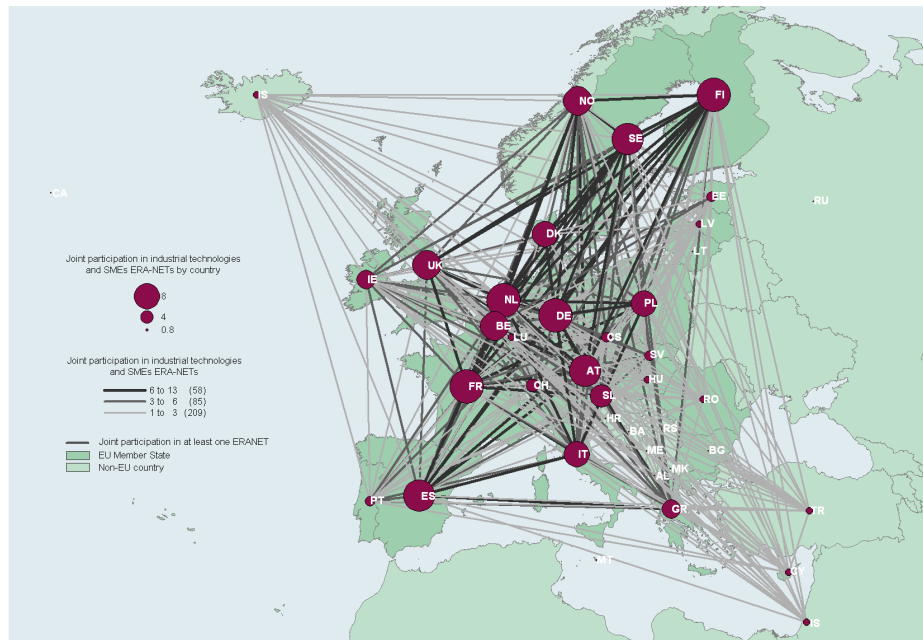
## Joint call participation in Fundamental Sciences ERA-NETs



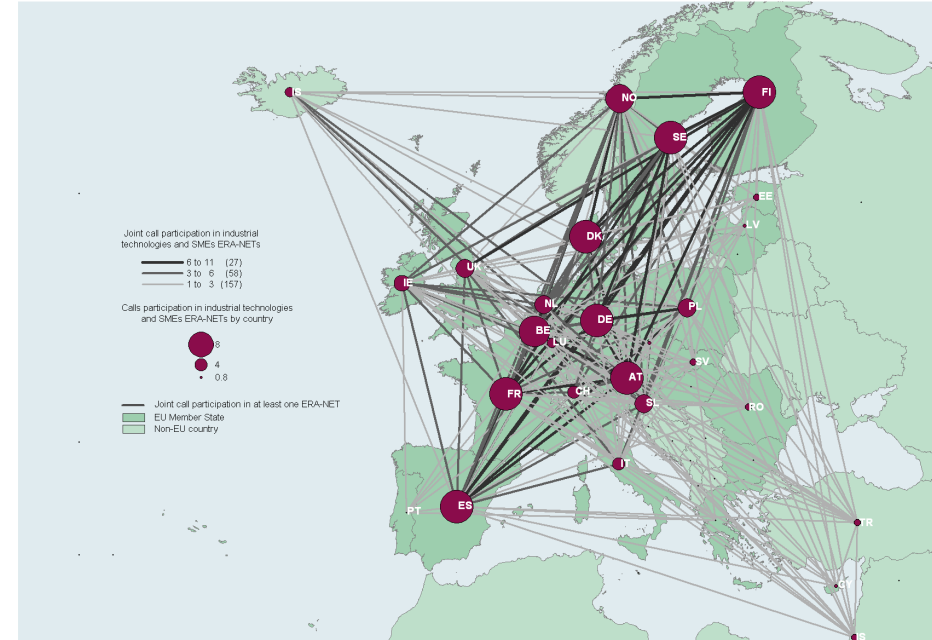
ERA-NET participants in the Fundamental Sciences theme have funded a relatively high number of joint projects compared to the extent of their overall participation and the relatively low number of ERA-NETs in this theme.

# Overview of joint participations in Industrial Technologies and SMEs ERA-NETs

## Joint participation in Industrial Technologies and SMEs ERA-NETs



## Joint call participation in Industrial Technologies and SMEs ERA-NETs

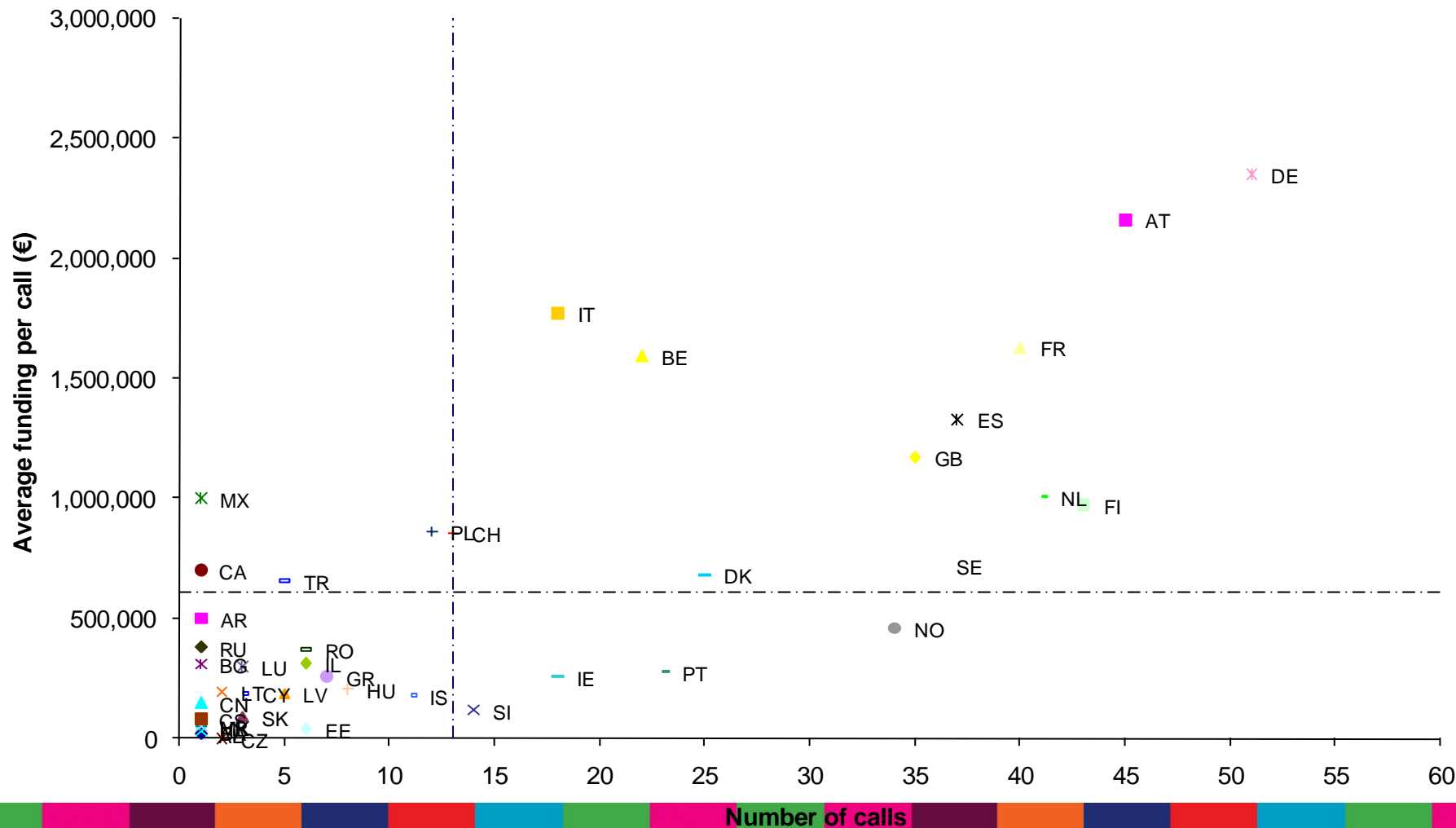


Initial ambitions shown by the level of participation appeared to have been matched by the number and level of funding contributions. (See Final Report, Volume 4, Section 2.7)

# Research funding channelled via calls over time (2002-2009)

## Countries by calls and contribution per call

Call activity by country



# The ERA-NET scheme

## Lessons learnt

- Immediate success in FP6 with programme owners and managers participating more than 1000 times in over 70 ERA-NET actions.
- Majority of ERA-NETs succeed in launching joint calls  
***FP6 ERA-NETs: >1.100 M€ by the end of 2008***  
***FP6/FP7 ERA-NETs & ERA-NET+: ≈ 2.000 M€ by now***
- ERA-NETs fill a gap between national and FP projects  
**➔ smaller consortia, strong SMEs participation**
- Broad variety of other joint activities underpinning the success of transnational programme cooperation.
- Enabler for Joint Programming.

## ERA-NET landscape: from FP6 to FP7

### FP6:

71 ERA-NETs,  $\approx$  30 still running

### FP7:

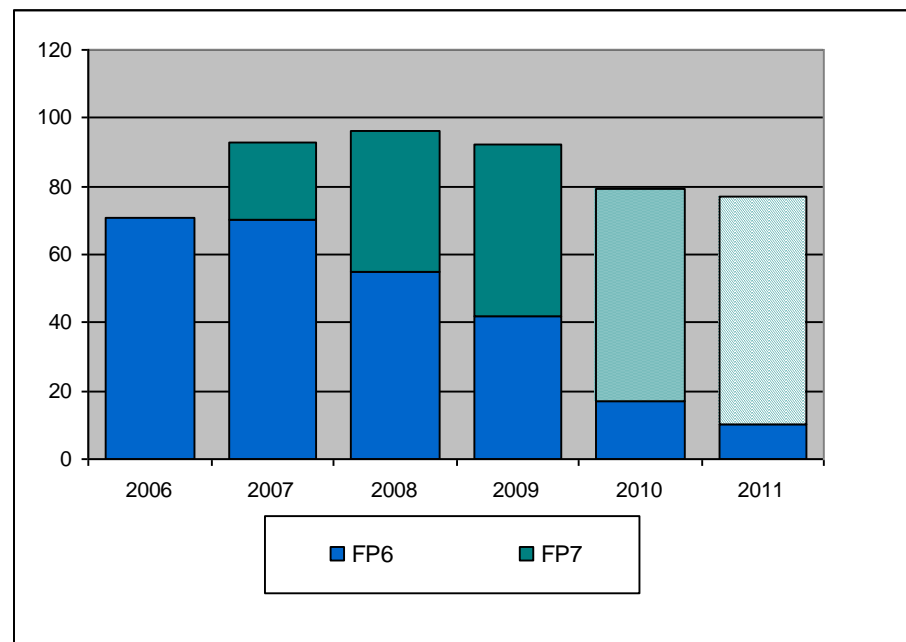
WP 2007: 19 ERA-NET,  
4 ERA-NET Plus

WP 2008: 12 ERA-NET,  
4 ERA-NET Plus

WP 2009: 8 ERA-NET,  
1 ERA-NET Plus

WP 2010:  $\approx$  13 ERA-NET

WP 2011:  $\approx$  15 ERA-NET,  
4 ERA-NET Plus



## ERA-NET landscape: from FP6 to FP7

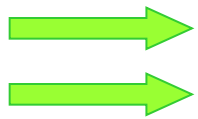
	FP6	FP7
	ERA-NET	ERA-NET
		ERA-NET Plus
1. HEALTH:	7	4
2. FOOD:	6	6
3. ICT		3
4. NMP:	6	10
5. ENERGY:	5	1
6. ENVIRONMENT:	15	6
7. TRANSPORT:	4	4
8. SSH:	4	2
9. SPACE:		
10. SECURITY	1	2
SMEs :	2	2
INFRASTRUCTURES	1	4
INCO:	3	7
HORIZONTAL	17	10
TOTAL	71	61

## Example: Industrial Technologies

ACENET	Applied Catalysis
CrossTexNet	Textiles
ERACOBUILD	Construction and Operation of Buildings
ERA-SPOT	Photonics and Optical Technologies for Europe
EuroNanoMed	Nanomedicine
ICT-AGRI	ICT and Robotics in Agriculture and Related Environmental Issues
iMERA	Metrology
LEAD ERA	Lead Market European research Area network
MANUNET	New processes, flexible intelligent manufacturing systems
MATERA	Materials Research
MNT-ERA.Net	Micro and Nano Technologies
WoodWisdom	Wood Material Science and Engineering in the Forest-based Value Chains

## ERA-NET Plus actions

*Community to provide a financial topping up of max 33%*



small part for call management (eligible costs) and  
the bulk of the 33% to top up joint call budget

☞ If MS put together 20 M€, the Commission will  
provide up to 10 M€, for a total budget of up to 30 M€

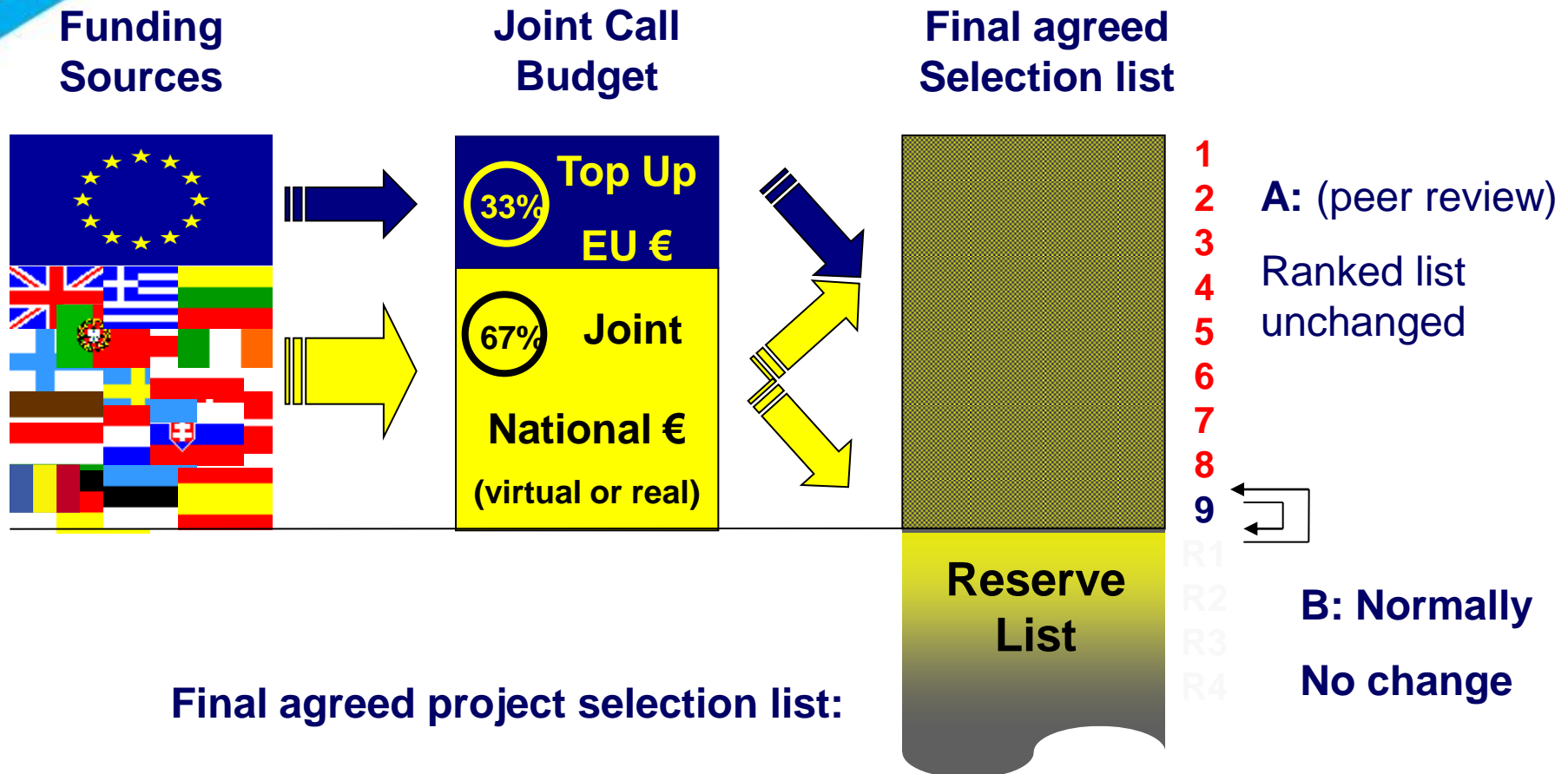
### Rules of 5 :

- 5 participants of 5 different Member or Associated States
- Joint call of minimum 5 M€ (Total budget)
- Maximum duration of 5 years



5

# Financing of ERA-NET Plus



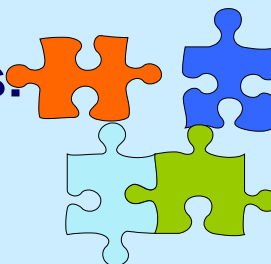
**Final agreed project selection list:**

- Part A: No adjustments to ranked list after peer review are allowed
- Part B: Normally no change at the limit of the reserve list  
Only in well justified cases (NOT due to national return)

# The rules of the game?

## ERA-NET

Submission/evaluation/selection of proposals:  
common rules established by the ERA-NETs  
Funding: (mostly) national rules



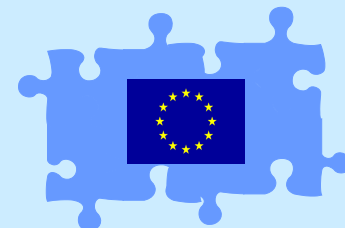
## ERA-NET *Plus*

Submission/evaluation/selection of proposals:  
obligation to align to FP7 standards: excellence!  
Funding: national rules



## Art. 185

Submission/evaluation/selection of  
proposals and funding: individually  
designed for each initiative



# Supporting initiatives

## Optimise operational modalities

- ERA-NET Learning Platform
    - ➔ **Aligning structures and procedures for simplified and efficient joint call activities towards a common organisational framework**
  - NETWATCH Information System
    - ➔ **Central information platform for transnational R&D programme cooperation & analytical tools**
- ➔ [www.ec.europa.eu/netwatch](http://www.ec.europa.eu/netwatch)

**ERA-NETs Information**

- [ERA-NETs](#)
- [Participating Countries](#)
- [Programmes](#)
- [Organisations](#)
- [Joint Calls](#)
- [Call Calendar](#)

**Strategic Analysis**

- [Mapping](#)
- [Monitoring](#)
- [Impact Assessment](#)

**Learning Platform**

- [Toolbox](#)
- [Events](#)

**News**

- [Annual ERA-NET event 2010](#)
- [Mutual Learning Toolbox available](#)

**Useful Links**

## Introduction

NETWATCH is a European Commission information platform on transnational R&D programme collaboration, with a current focus on the [ERA-NET scheme](#).

NETWATCH supports transnational R&D programme collaboration in Europe, most notably on the ERA-NET scheme. NETWATCH is [mapping these ERA-NETs](#). It provides information on [Joint Calls](#), and will give analysis and evidence of the impact of programme collaboration and describes their scope and results. It also supports mutual learning among transnational programme networks.

## News

**Annual ERA-NET event 2010**

The annual ERA-NET event has become the major event for policy makers and funding bodies. The 2010 event takes place in Brussels on 23 and 24 March and registration is open now.

[More ...](#)**Visit the Mutual Learning Toolbox**

On the Learning Platform a [Toolbox](#) waits for you with a wealth of useful information on the practical side of programme cooperation, especially the preparation of Joint Calls.

[More ...](#)

## NETWATCH users

NETWATCH supports **national researchers**, **research policy makers** in Member States, **R&D programme managers**, and the **Commission's own Research services** by providing relevant information and analysis to assess the efficiency and impact of transnational R&D programme cooperation.

In addition, NETWATCH is also developing an interactive space for mutual learning among programme actors such as national and regional programme managers and/or owners through good practice examples, contact databases and a discussion forum.

NETWATCH offers ...

**for European researchers:**

- Research opportunities and practical information, such as links to current transnational joint calls in the [Call Calendar](#) organised by ERA-NETs, thus giving possible access to transnational research projects
- Strategic information, such as on active [RTD programme networks](#), the [thematic focus of RTD programme cooperation](#), [joint calls](#)

**for National RTD programme actors (managers, agencies):**

- Factual information, such as [lists of national institutions involved in ERA-NETs](#), [programme information](#) including thematic focus, budgets and participation in ERA-NETs



## ERA-NETs Information

- [ERA-NETs](#)
- [Participating Countries](#)
- [Programmes](#)
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- [Call Calendar](#)

## Strategic Analysis

- [Mapping](#)
- [Archive \(2009\)](#)

## Learning Platform

- [Toolbox](#)
- [Events](#)

## News

- [ERA-NET call 2011](#)
- [Mutual Learning Toolbox available](#)

## Further Information

- [Useful Links](#)
- [Glossary](#)
- [Contact us](#)
- [About NETWATCH](#)

## ERA-NETs: active networks in France

This section shows detailed information on ERA-NETs including a description of stakeholders, as well as interactive information on the scope of the joint initiatives. Information on other transnational collaboration activities is envisaged to follow.

Search by:

Status

Active networks

Country participating

France

Search text

☒ Active

☐ Inactive

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Display per page

Click on a column header to change the sort order

Net Name ▲	Start Date	End Date	Framework Funding	Net Type	Full Name	FP Thematic Priority	Countries	
<input checked="" type="radio"/> <a href="#">AERTOs</a>	2008/04/01	2011/04/01	FP7	ERA-NET	Associated European Research and Technology Organisations	None/Horizontal Network	5	<a href="#">Details</a>
<input checked="" type="radio"/> <a href="#">AirTN</a>	2010/01/01	2012/06/30	FP7	ERA-NET	Aeronautics ERA-Net as one of the key enablers of the prosperous development of Aeronautics in Europe	Transport (including aeronautics)	18	<a href="#">Details</a>
<input checked="" type="radio"/> <a href="#">ARIMNet</a>	2008/10/01	2012/10/01	FP7	ERA-NET	Coordination of Agricultural Research in the Mediterranean	Food, agriculture and fisheries	12	<a href="#">Details</a>
<input checked="" type="radio"/> <a href="#">ASPERA-2</a>	2009/07/01	2012/07/01	FP7	ERA-NET	Deepening and Broadening of Astroparticle Physics European Coordination	None/Horizontal Network	16	<a href="#">Details</a>
<input checked="" type="radio"/> <a href="#">BiodivERsA2 (under review)</a>					Cooperation and shared strategies for biodiversity research	Environment (including climate change)	17	<a href="#">Details</a>

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- [Events](#)

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- [Mutual Learning Toolbox](#) available

## Useful Links

## Call Calendar

Up to date information on joint calls of the ERA-NETs , including their geographic scope and schedule.

[Click to view table of Joint Calls](#)

 Call open: one-stage
  Call open: multi-stage
  Call closed
  Evaluation

1 - 20 of 24

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### Useful Links

## Toolbox

ERA-LEARN is a systematic investigation of experiences and acquired know-how with the perspective to identify good examples and to develop a set of **recommended procedures**

This includes the examination of complementarities and synergies of the ERA-NET instrument with the other existing schemes and programmes at all levels (regional, national, trans-national, international).

Based on a **comprehensive analysis of existing and already validated procedures** ERA-LEARN facilitates the identification of **tools that are suitable for a broad use**.

ERA-LEARN provides

- [Manual & tools for call implementation](#)  
Everything you need to launch and implement a joint call  
(first draft published February 2010 - constant revision based on your input)
- [Tools for internal review of ERA-NET participation](#)  
How to position ERA-NET participation in your organisation  
(first draft published February 2010 - pilot testing underway)
- Smart Coordination  
(to follow)

Comments and specific input on ERA-LEARN content:  
[era-learn-feedback@ffg.at](mailto:era-learn-feedback@ffg.at)

Comments and specific input on the functionality of the Toolbox pages:  
[JRC-IPTS-NETWATCH@ec.europa.eu](mailto:JRC-IPTS-NETWATCH@ec.europa.eu)



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[Toolbox](#)

## Objectives of the manual

The central goal of this online manual is to provide the ERA-NET community with a sound basis for the implementation of transnational calls for proposals. You will find general information, practical examples and templates.

These optional descriptions, recommendations and guidelines are based on experiences and realistic scenarios, provided as an interactive compilation of modules which reflect the different phases in the planning and operation of joint calls.

The contents are based on past and ongoing ERA-NETs and have proven useful for specific purposes. The documents may be used as blueprints, references or inspiration for future joint call activities.

There is no doubt that the ERA-NET instrument is suitable for flexible use; consequently material provided here may be appropriate for various scenarios and constellations whereas less appropriate for various other scenarios and constellations.

All information is based on the input from ERA-NET coordinators. This compilation was developed by ERA-LEARN to simplify and standardise the execution of joint calls as much as possible.

This draft was compiled by ERA-LEARN during 2009. We invite you to check, test and comment and provide us with feedback. An updated version is expected for April 2010.

A [printable version of this manual](#) is provided.

Please note that the printable version does not replace the online version, as it does not contain any hyperlinks or templates.

A [printable checklist](#) for call implementation is also provided.





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**Thank you for  
your attention!**