



EERA

What and How?

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EPUE inaugural event
Delft, 24 February 2012

www.eera-set.eu

What is EERA

- Cooperation of Energy Research Organisations
- 15 Partners
 - Responsible for EERA
 - Culture and Governance
 - Launch & review of EERA Joint Programmes
 - Partnership reviewed biannually, first time in 2012
- More than 150 Participating organisations
 - Responsible for EERA Joint Programmes
- More than 2000 professionals full time equivalent
 - Make it happen

Through Energy Research

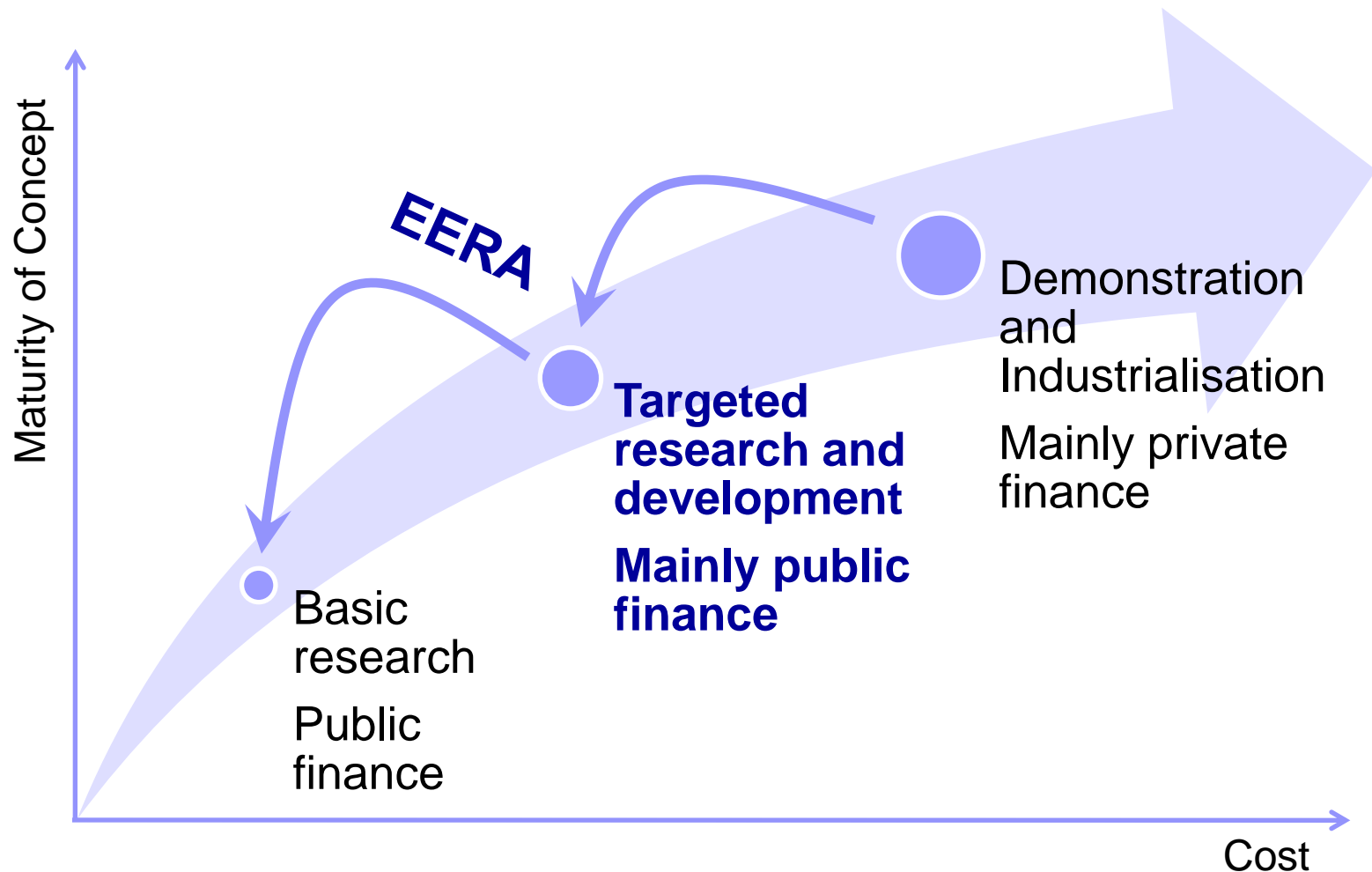
- Deliver on the objectives of the SET plan
- Accelerate development of new energy technologies

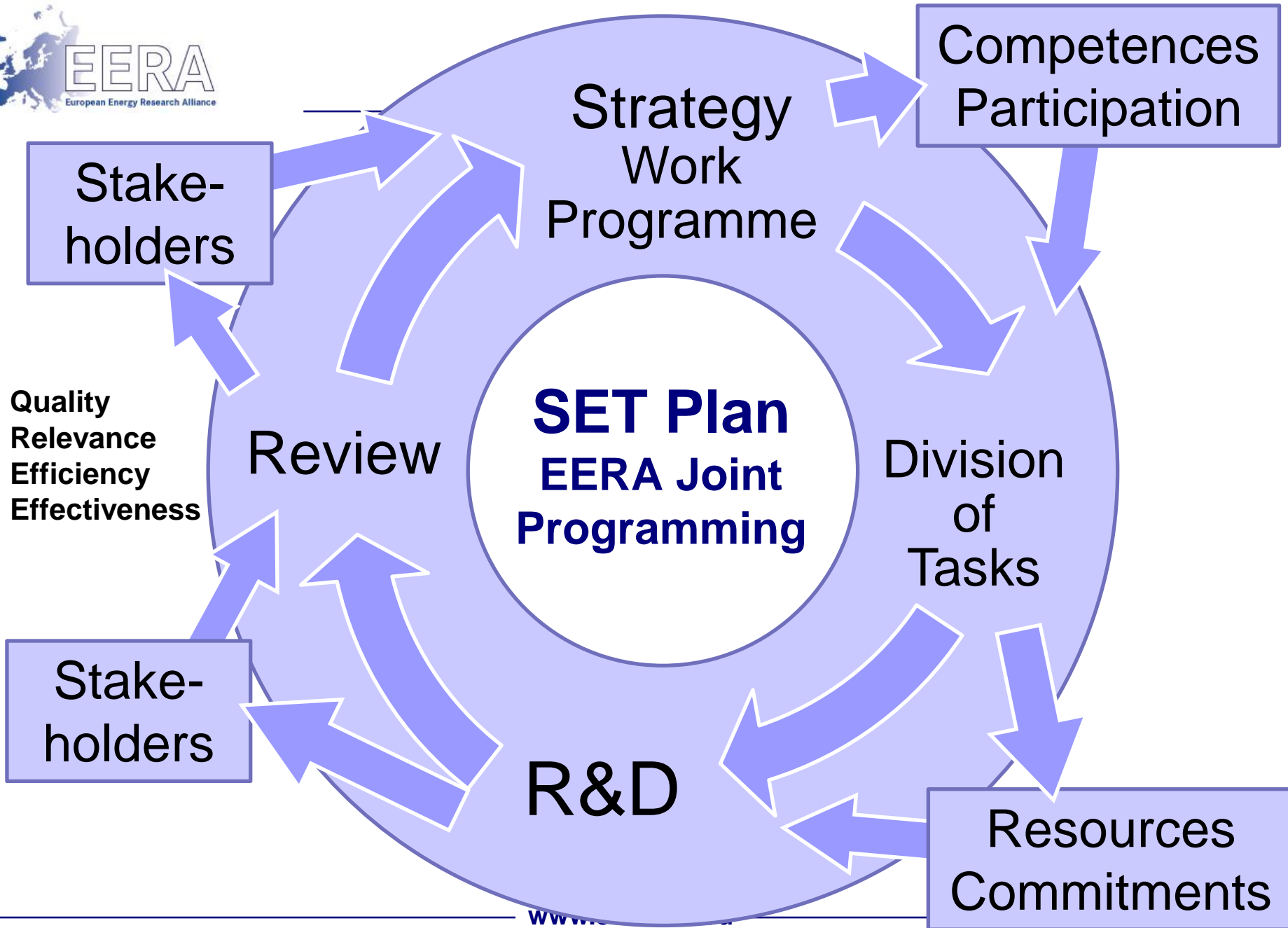
In Energy Research

- Improve coordination and cooperation
- Reduce duplication and fill gaps
- Increase efficiency and effectiveness



Nonlinear innovation





Competences
Participation

Strategy
Work
Programme

SET Plan
EERA Joint
Programming

Division
of
Tasks

Resources
Commitments

R&D

Review

Stake-
holders

Stake-
holders

Quality
Relevance
Efficiency
Effectiveness

EERA Joint Programmes

- Joint Programmes launched 2010
 - PV: \approx 100 professionals*
 - Wind: \approx 130 professionals*
 - Geothermal: \approx 340 professionals*
 - Smart Grids: \approx 100 professionals*
 - Bioenergy: \approx 120 professionals*
 - CCS: \approx 270 professionals*
 - Mat. Nucl.: \approx 130 professionals*

Participation increasing
New organisations joining

* Full time Equivalent



EERA Joint Programmes

- Joint Programmes launched November 2011
 - CSP: ≈ 80 professionals*
 - Marine Energy: ≈ 35 professionals*
 - AMPEA: ≈ 250 professionals*
 - FC&H2 ≈ 130 professionals*
 - Energy Storage ≈ 300 professionals*
 - Smart Cities ≈ 190 professionals*

Participation increasing
New organisations joining

* Full time Equivalent



Clear and efficient coordination

Long term strategy and work plan

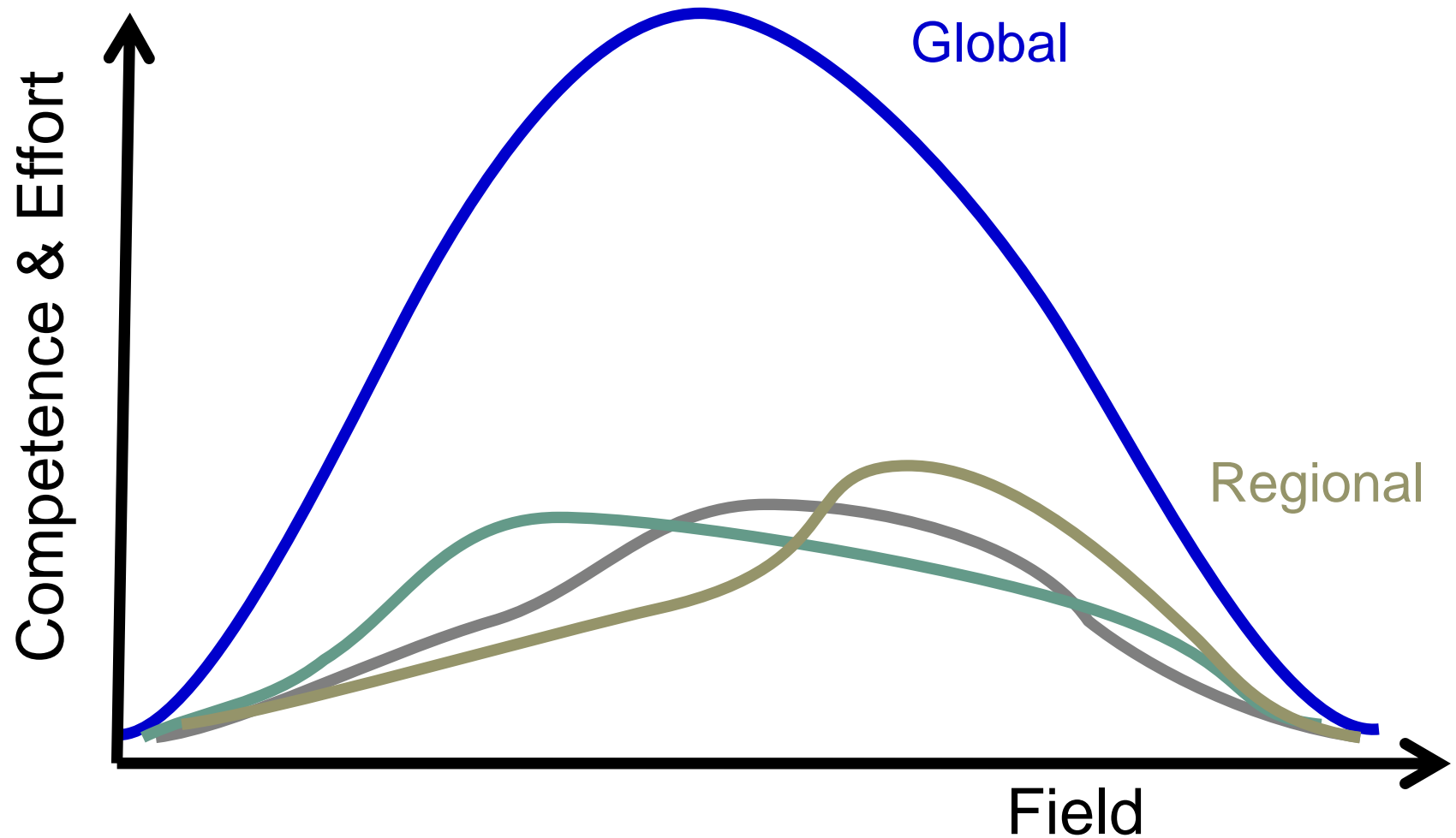
- Agreed Objectives and Milestones
- Agreed Description of Work
- Agreed Division of Tasks and Responsibilities
 - Context supporting specialisation of Participants
 - Virtual centres working as one team on one topic

Added value of European cooperation

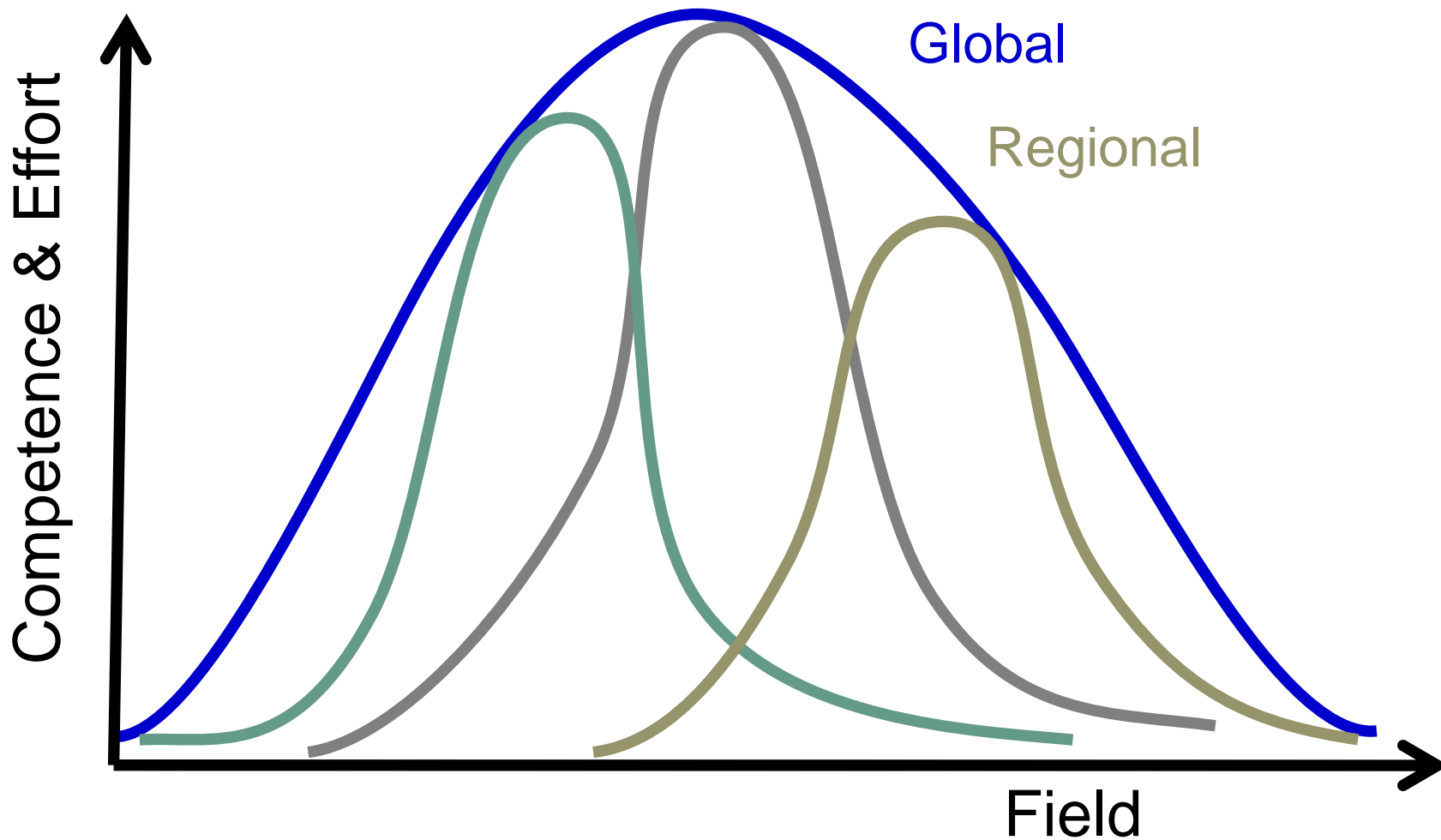
EERA Joint Programming

- Comprehensive Programme: its all there
- Cohesive Programme: and its connected
- Fosters Specialisation
 - Do what you are best at
 - EERA provides comprehensive and cohesive context

Comprehensive regional programmes



Focussed regional programmes



Redeployment of research assets

- Spurred on by map of competences
- Optimising value added in use of assets
- Rescuing stranded research assets

Virtual centres

- Larger teams spread over multiple locations
- Communication and mobility essential
- **Micro specialisation, higher competence**

Increases connectivity

- exploiting research assets for higher value tasks
- more liquid market for research assets
- **Bio fuels examples:**
Biomass treated and analysed in new and better ways,
material passing between centres along new paths.

Added value to Universities

- Access to comprehensive and cohesive programme
- Access to facilities and teams
- Know what others are doing,
how good they are at it and
how your group can interact with them
- Focus on what you are best at
- Motivated by excitement of discovering and inventing,
hate being second
- No fun in reinventing the wheel

- **General assembly (new)**
 - **Participants**
 - Objective: Give Participants ownership of EERA
 - Role to be defined
- **Executive Committee**
 - **Partners**
 - Develops EERA
 - Launces and reviews JPs
- **Joint Programme Steering Committee**
 - **Participants**
 - Sets course for JP and
 - Oversees Joint Programme Management Board
 - Approves new Participants

Partners and Participants

EERA

JP X

Participants

EERA Joint Programme X Participants

Responsibility to ensure the overall good functioning of EERA Joint Programme X

JP Y

Participants

EERA Joint Programme Y Participants

Responsibility to ensure the overall good functioning of EERA Joint Programme Y

JP Z

Participants

EERA Joint Programme Z Participants

Responsibility to ensure the overall good functioning of EERA Joint Programme Z

Partners

EERA Partners

Responsibility to ensure the overall good functioning of EERA

Participants and Associates

JP Z

Participant A

Associate A1

Associate A2

Associate A3

Associate A4

Associate A5

> 5 ppy/y

Participant B

Associate B1

Associate B2

Associate B3

> 5 ppy/y

Participants

EERA Joint Programme Z Participants

Responsibility to ensure the overall good functioning of EERA Joint Programme Z

Participant C

Associate C1

Associate C2

Associate C3

Associate C4

Associate C5

Associate C6

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JP and Sub programmes

JP Z

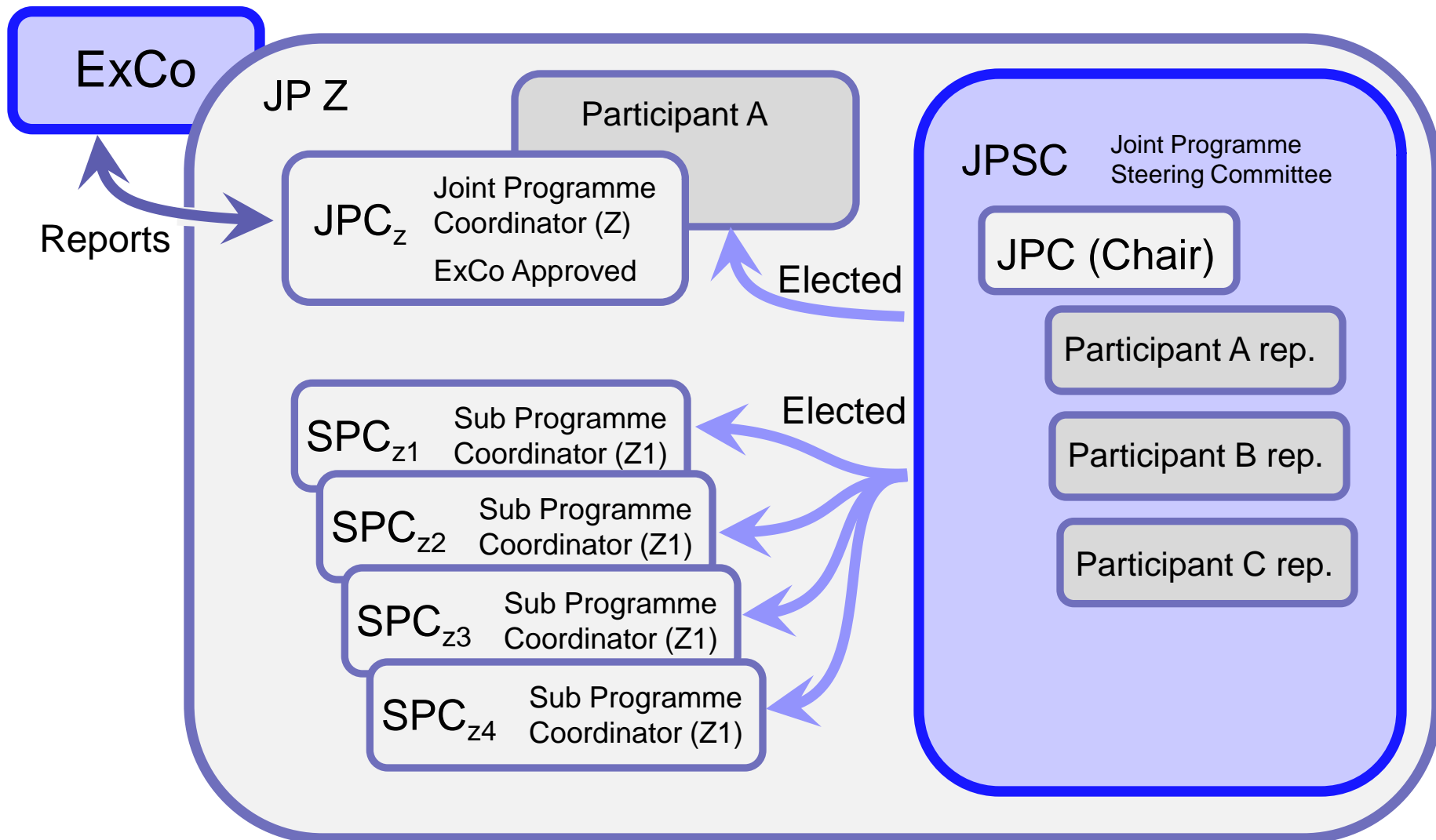
Sub programme Z1

Sub programme Z2

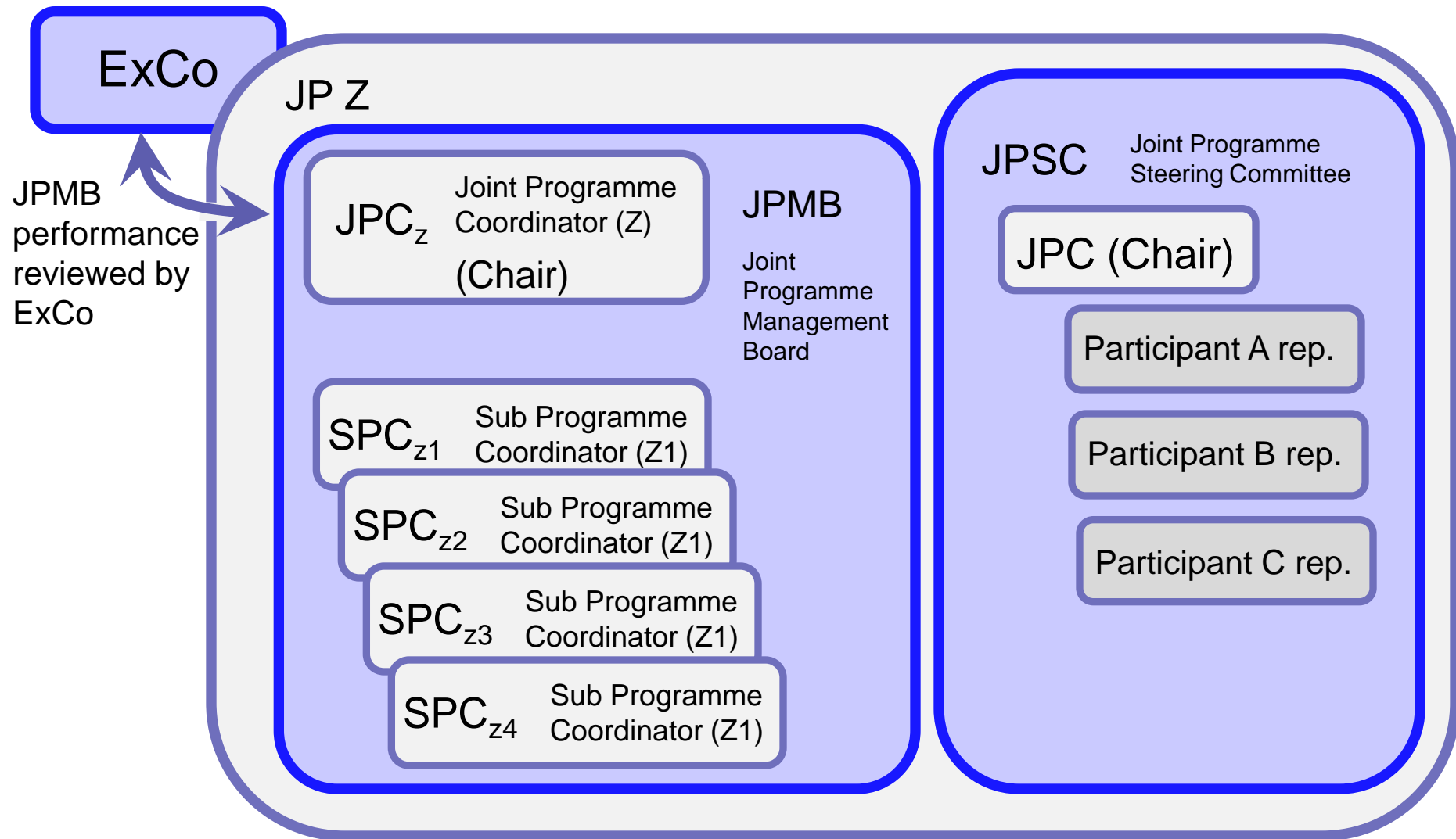
Sub programme Z3

Sub programme Z4

JP Steering Committee and Officers



JP Management Board



New Participants and Associates

JP Z

JPMB

Joint
Programme
Management
Board

Proposes new
Participants
and Associates

JPSC

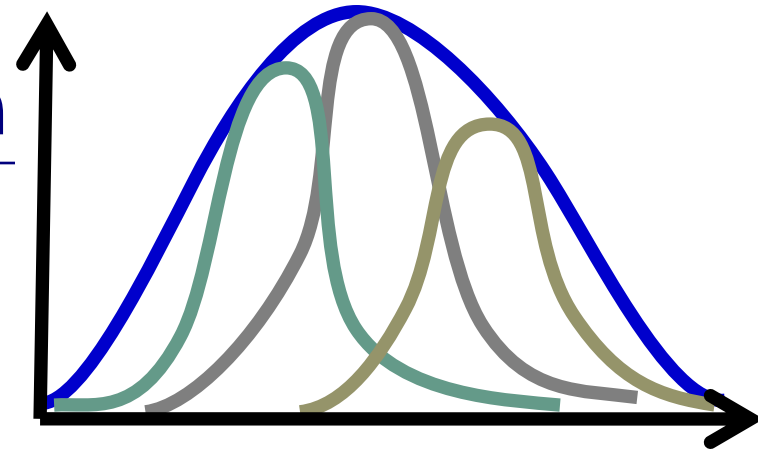
Joint Programme
Steering Committee

Approves new
Participants
and Associates

Participating

- **Participant**
 - At least 5 PPY / Y,
 - including Associated participants
 - Possibility to federate
 - Excellence
 - Added value
 - Assesed by Joint Programme Steering Committee
- **Associated participant**
 - Associated to a Participant
 - Represented in JPSC through Participant
- **To seek acceptance as Participant**
 - Find programme details and contacts at www.eera-set.eu
 - Assess relevance and contact JP

Making it happen



Agree on

- Objectives and WP
- Division of tasks

MS funding supporting alignment of national efforts behind common objectives

EU funding to

- Incentivise alignment of national efforts
- Stability to create long term collaboration
- Initiate missing efforts