

# EU - BUILDING AN INNOVATION UNION

## “Annual Joint Programming Event 2011”

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## Outline

- I. ERA Framework – taking ERA to a new level
- II. Horizon 2020



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## ERA in concrete terms ...

- A single market for knowledge (=high value for money)
- Cross-border...
  - ... **flows** of researchers and scientific knowledge
  - ... **access** to research infrastructures, results and data
  - ... **funding**
  - ... **cooperation, critical mass**
  - ... **opening** of national programmes, pooling of resources
  - ... **strategies** and **alliances** between research stakeholders
- EU-level governance – managing the European partnership with MS
  - Transnational and cross-sectoral **policy priorities, prioritization, coordination, monitoring and evaluation**



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## Overall evaluation of progress

- Need for ERA acknowledged by stakeholders
  - Promising initiatives: ERA partnerships, ERC, ERA-NETs, ...
  - Overall progress too slow and piecemeal
    - **Few / weak systemic links between MSs and EU / MSs**
    - **Obstacles to openness, free circulation and difficulties in cross-border actions**
    - **Perception of a fragmented and complex patchwork of initiatives and instruments**
    - **Involvement of stakeholders in governance not systematic or well structured**
    - **Benefits to MSs of ERA unclear**
- è **Limitations of voluntary approach!!!**



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## Taking ERA to a new level

### Politically ...

- Knowledge at core of Europe 2020
- Innovation Union "an ERA Framework and supporting measures to remove obstacles to mobility and cross-border co-operation"
- European Council Feb 2011 "complete ERA by 2014"
- Fiscal austerity & innovation gap

### Legally, the Lisbon Treaty ...

- ... makes **ERA an explicit objective of the Union**

*"The Union shall have the objective of strengthening its scientific and technological bases by achieving a European research area (...)" (TFEU Art. 179)*

- ... gives the Union legislative powers to reach this objective

*"As a complement to the activities planned in the multiannual framework programme, the European Parliament and Council, ... shall establish the measures necessary for the implementation of the European research area (TFEU Art. 182. 5)*



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## ERA implemented through :

### 1. Funding and incentives linked to funding

§ EU: FP6 and FP7 / Horizon 2020

§ National and other (e.g. EUREKA) funding

### 2. Non-funding measures: ERA Framework

§ Various "soft" and "hard" initiatives  
(coordination and legislation)



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## Possible content & structure ERA Framework

- Set **overall ERA architecture** - definition, objectives, principles, measures
- Address **cross-cutting & thematic** co-ordination and systemic failures
- Aim at achieving substantial progress **overall** and in particular in specific **priority issues**

The challenge is to balance ...

<b>Ambition</b>	ó	<b>feasibility</b>	
<b>Evidence-based justification</b>	ó	<b>political acceptability</b>	
<b>Comprehensiveness</b>	ó	<b>concrete “big ticket” approach</b>	
<b>Binding</b>	ó	<b>voluntary</b>	etc.

... while keeping **improvement of Europe’s research performance** as the overriding criterion



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## Theme-specific key issues in the ERA consultation

Researchers:	career prospects/ employment conditions, cross border & intersectoral mobility
<b>Cross-border operation:</b>	<b>combining effort on major challenges; differences between systems, rules, definitions, priorities, etc.</b>
Infrastructures:	exponential growth of research data, sub-optimal exploitation of RIs, sustainability, development of new RIs
Knowledge circulation:	lack of common strategic approaches on KT, use of public research by industry & level of cooperation; OA
International dimension:	under-exploitation of potential; disconnection between EU & MS; lack of critical mass for joint EU-MS initiatives; insufficient info sharing
Managing ERA partnership:	clear definitions & objectives, political will to use instruments, taking EU perspective into account nationally, benefits of ERA to MS, few & weak systemic links EU-MS & MS - MS

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## Timing

*ERA Framework and supporting measures (2012)*

- Present: problem analysis, collecting data & relevant EU and national studies, mapping national legal situation, pre-consultation discussions (e.g. with Member States in ERA Committee)
- Public stakeholder consultation: **Sept - Nov 2011**
- Consultation wrap-up event: **Jan 2012**
- Finish Impact Assessment: **Spring 2012**
- ERA Framework Commission Proposal: **Summer 2012**



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## Horizon 2020 preparations



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## The name ...

Horizon 2020

Not: FP8

Not: CSF



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## How much?

80 billion euro

- Commission proposal adopted on 29 June 2011
- Overall amount for Horizon 2020 (does not include ITER construction)
- €80 billion in constant 2011 prices
- Increasing share of stable EU Budget ( which will decrease as share of EU GNI). Research and innovation increases to 8.5% of overall EU budget.
- For decision by European Council, European Parliament



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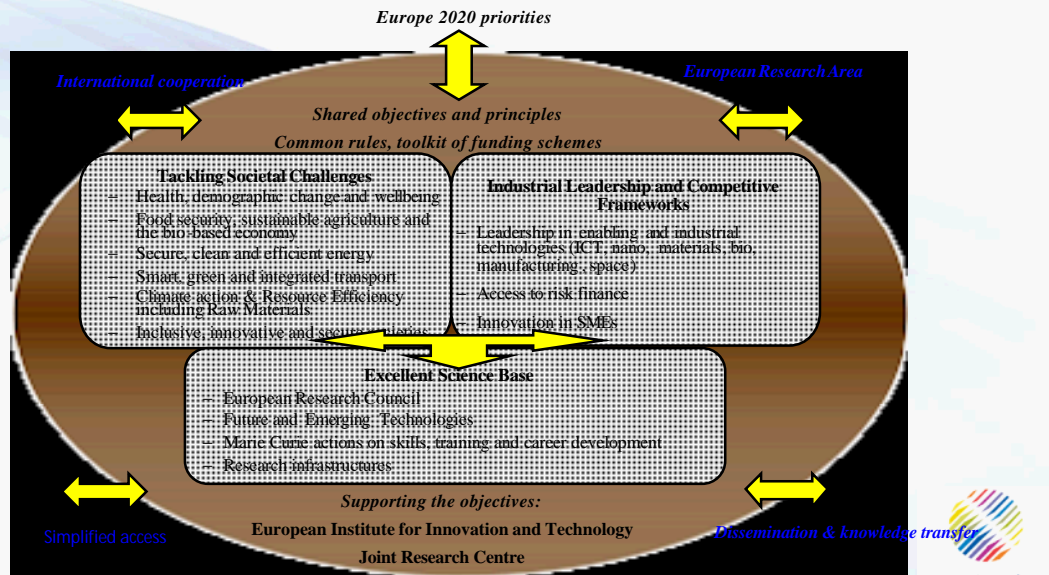


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# Horizon 2020 – Objectives and structure



## Horizon 2020: Real integration of existing programmes

- The 7<sup>th</sup> Framework Programme (FP7) for research, technological development and demonstration
- Innovation elements from Competitiveness and Innovation Framework Programme (CIP)
  - Non-innovation elements to be included in a new “Competitiveness and SMEs” programme
- EU funding for European Institute for Innovation and Technology (EIT)

Strengthening complementarities with the Structural Funds

## Next steps

- Negotiations on EU budget 2014-2020
- Commission proposals for Horizon 2020: before end 2011
- FP7 2013 Work Programmes, to bridge towards Horizon 2020
- Legislative decisions on Horizon 2020 by the Council and European Parliament (2012-13)
- Horizon 2020 (from 2014)



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We need a more research and  
innovation intensive, integrated  
and attractive

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Excellent Research Attracts

<http://ec.europa.eu/research/era>



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