



EU Programme Landscape for Innovation & links to policy governance

BusinessEurope workshop
Future EU Research and
Innovation Landscape
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European Commission
Enterprise and Industry

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Structure

1. Conceptual basis for current EU innovation policy
2. Scope of EU competences in the field of innovation & research
3. Current EU funding programme landscape
4. Decision-making structure for EU innovation policy and related funding
5. Discussions on future

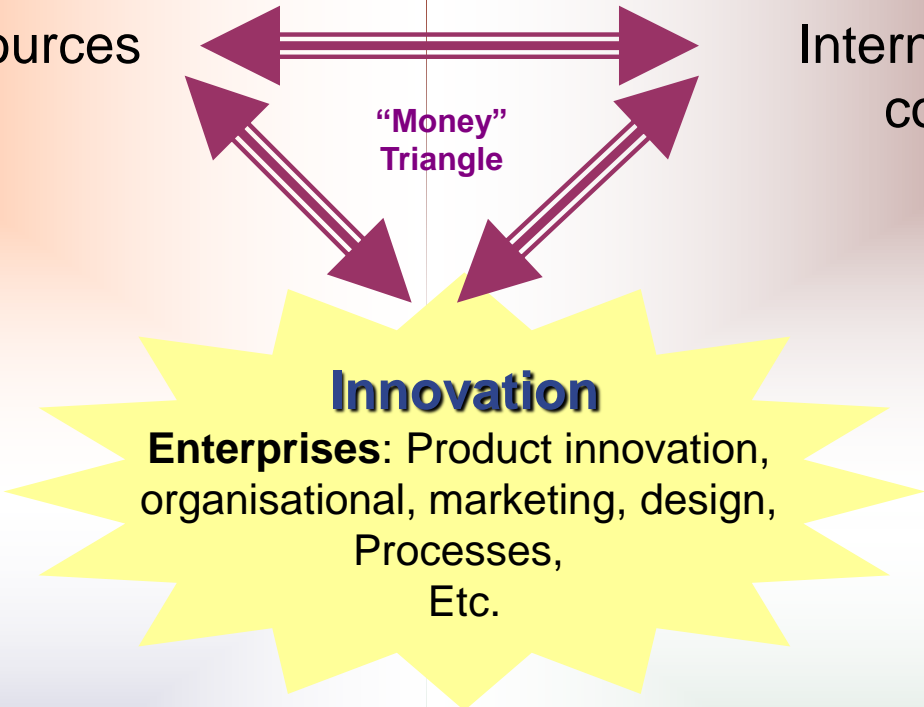
1. Conceptual basis

Finance

Private & public sources
For enterprises
of all sizes &
development
stages

Market

Internal Market & global,
consumers, industry
& public sector



Research,
technologies,
methods, know-how,
market knowledge, etc.

Knowledge

Skills, Creativity,
Mobility, Flexibility,
Adaptability, etc.

Human Capital

1. Conceptual basis: systemic model

Finance

Private and public sources
For enterprises of all sizes and development stages

Need for finance

Research technologies, methods, know-how, market knowledge, etc.

Knowledge

R&D needs

Innovation

Enterprises: Production, innovation, organisation, marketing, design, etc.

Linear innovation concept

Market

Internal Market & global, consumers, industry & public sector

Demand

Skills needs

Skills, Creativity, Quality, Flexibility, Adaptability, etc.

Human Capital

1. Conceptual basis: Public intervention

Finance

Private & public sources
For enterprises
of all sizes &
development
stages

State Aid,
financial instruments,
development funds;
fiscal incentives,
investor readiness,
etc.

Market

Internal Market & global,
consumers, industry
& public sector

Market regulations:
Environment & health
protection,
public procurement,
competition, trade,
standards, proof of
concept etc.

SME
Entrepreneurship
Innovation
Product, organisational,
marketing, design,
Processes,
Etc.

Research funding,
IPR rules, technology
transfer, university-
industry networking,
research
infrastructure, etc.

Education and
training
programmes,
labour & social law
Immigration, etc.

Research,
technologies,
methods, know-how,
market knowledge, etc.

Skills, Creativity,
Mobility, Flexibility,
Adaptability, etc.

Knowledge

Human Capital

Cluster initiatives
(open) innovation (eco-)systems
Innovation support strategies

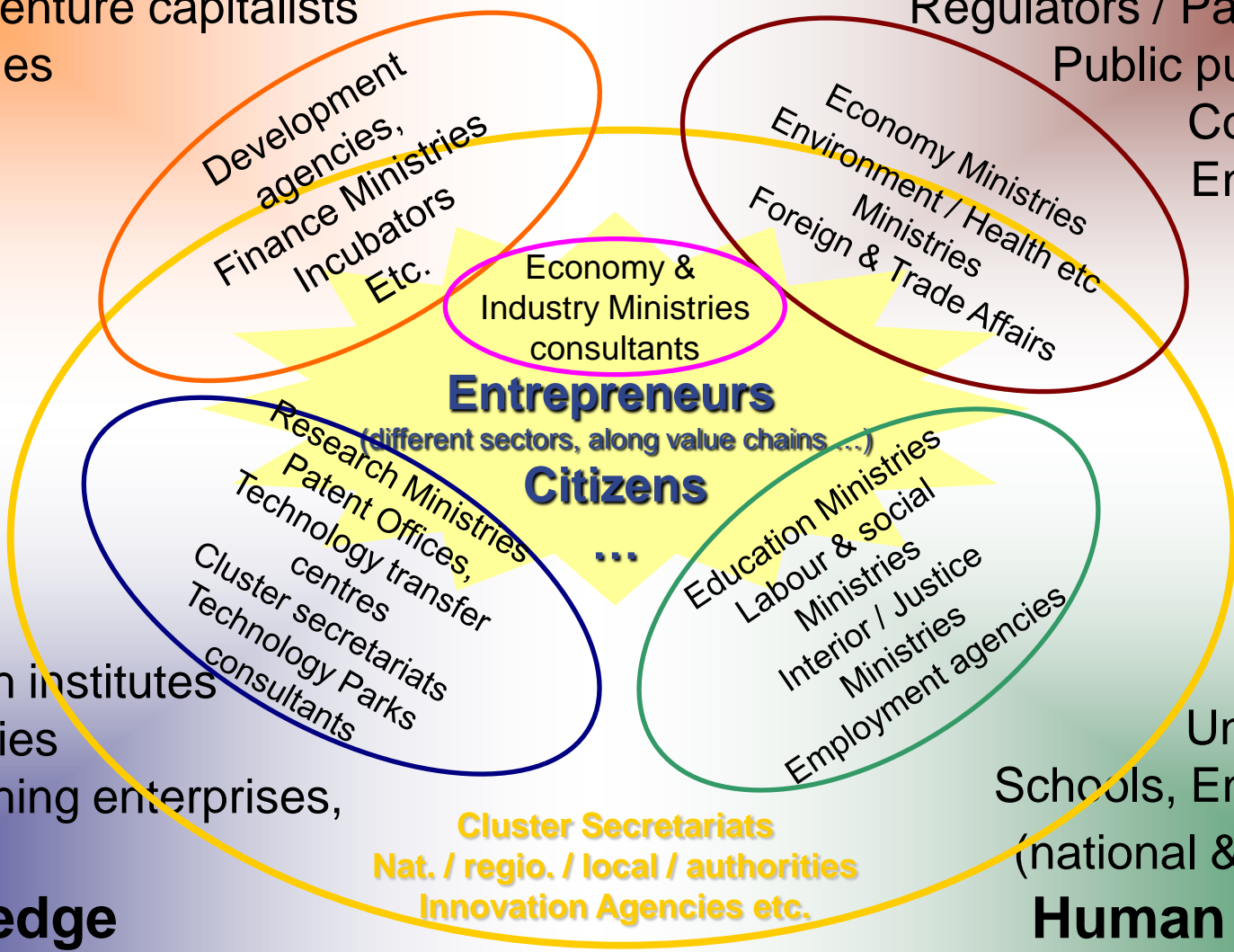
1. Conceptual basis: Actors

Finance

Banks, Venture capitalists
Companies
Etc.

Market

Regulators / Parliaments
Public purchasers
Consumers
Enterprises



Research institutes
Universities
Researching enterprises,
etc.

Knowledge

Universities
Schools, Enterprises
(national & foreign)

Human Capital

1. Conceptual basis: Synchronisation?

Finance

Banks, Venture capitalists
Companies
Etc.

Market

Regulators / Parliaments
Public purchasers
Consumers
Enterprises

Research ins
Universities
Researching
etc.

Knowledge

Universities
Schools, Enterprises
(national & foreign)

Human Capital

National, regional, local authorities
Innovation Agencies etc.

1. Conceptual basis: New challenges

Finance

Market

Geographic complexity

User-centred

Public sector?

Societal Challenges
(incl. market opportunities)

Crowd-Sourcing
Mass innovation
Co-innovation

Open Innovation

Knowledge

Human Capital

2. EU competence: Treaty basis

Article 173 TFEU: Innovation

Limited own competences & shared with Member States

- **Aim:** “fostering better exploitation of the industrial potential of policies of innovation, research and technological development”

- **The EU can:**

- Initiatives to promote coordination between MS, in particular aiming at the establishment of guidelines and indicators, the organisation of exchange of best practice, and monitoring and evaluation
- Contribute through the policies and activities under other provisions of the Treaties (= *research, state aid, education, internal market, etc ...*)
- Specific measures in support of action taken in the Member States (= *complementing MS' activities, foster trans-national pooling & critical mass etc.*)

- **The EU cannot:**

- harmonisation of the laws and regulations of the Member States
- measures which could lead to a distortion of competition
- measures containing tax provisions or provisions relating to the rights and interests of employed persons

2. EU competence: Treaty basis

Article 179 - 190 TFEU: Research & development

*Aim: “strengthening scientific and technological bases by achieving a European Research Area ... to become **more competitive**, including in its industry ...”*

- **The EU can:**

- **Complement MS' RTD:**
 - R&D programmes for cooperation with and between undertakings, research centres and universities
 - dissemination and optimisation of the results
 - training and mobility of researchers
- **Enable enterprises to exploit the internal market potential:** opening-up of national public contracts, common standards and removal of legal and fiscal obstacles
- **Coordinate** EU and MS' RTD activities for consistency of policies: initiatives & guidelines, indicators, exchange of best practice, periodic monitoring and evaluation
- **Multiannual framework programme** with specific programmes, supplementary programmes, cooperation among several MS programmes, joint undertakings ...
- European **space** policy

2. EU competence: Types of actions

Innovators
(enterprises, researchers, start-ups, inventors ...)

Innovation support providers
(agencies, consultants, multipliers ...)

Innovation policy makers
(cross-departmental, multi-level)

Financing
Venture capital, loans, grants for R&D&I projects, capacity building, proof of concept, promotion ...

Services
Trans-national technology transfer, Tech. Audits, IPR, Innov. Management, Market access ...

Interaction
Among innovation players, e.g. cluster, trans-national, Academia-industry-education Partnering, Sectoral cooperation, tech transfer

Improving innovation support
mutual learning at national / regional & EU level; EU wide competition to identify and give visibility to the best projects & good practice ; explore new forms of innovation ; strategies

Inter-connect National / regional innovation support
To pool resources / skills for critical mass and excellence; exploit Single Market potential for creativity & knowledge sharing; Cluster cooperation

Framework conditions for innovation
Regulation on products, safety, health, environment etc., state aid rules, IPR, standards, procurement, innovation drivers (research, skills, mobility), market access
▶ **Coordination between policy areas** ◀

Policy & performance monitoring
Benchmarking & evaluation

3. EU funding programme landscape



€ 50 billion
Research projects
 (Mainly multi-country)
 & joint actions (JTI, 169)
 Scholarships
 Policy coordination
 Capacity building



€ 3.6 billion
Multi-country Innovation networks
 Cluster, Monitoring
 Support services
 Policy development
 Financial instruments



Lifelong Learning Programme

€ 6.2 billion
 School education
 Vocational education and training
 Adult education
 Transnational mobility scholarships
 E-twinning : ICT in schools
 Transversal actions



€ 86 billion (of the €347 billion)
Nat / regional programmes
 Research, capacity, SME, Cluster, tech. transfer, services ...
 Entrepreneurship
 Innovative ICT
 Human Capital
 Regional innovation systems ,
 Trans-national peer learning and coop. ...



€ 450 million
Intermodal transport and freight logistics



€2.1 billion
Environment:
 Policy monitoring & develop.
 Projects on:
 Air, Energy, Climate,
 Industry, Urban env., Soil
 Waste, Water



€ 309 million
Knowledge-triangle consortia combining "co-located" research, education and innovation activities



€ 149 million
eGovernment
 (2005-09)
 ISA (2010-15)



Rural Development
 (share of €91 billion)



Fisheries & Aquaculture
 (share of €3,4 billion)



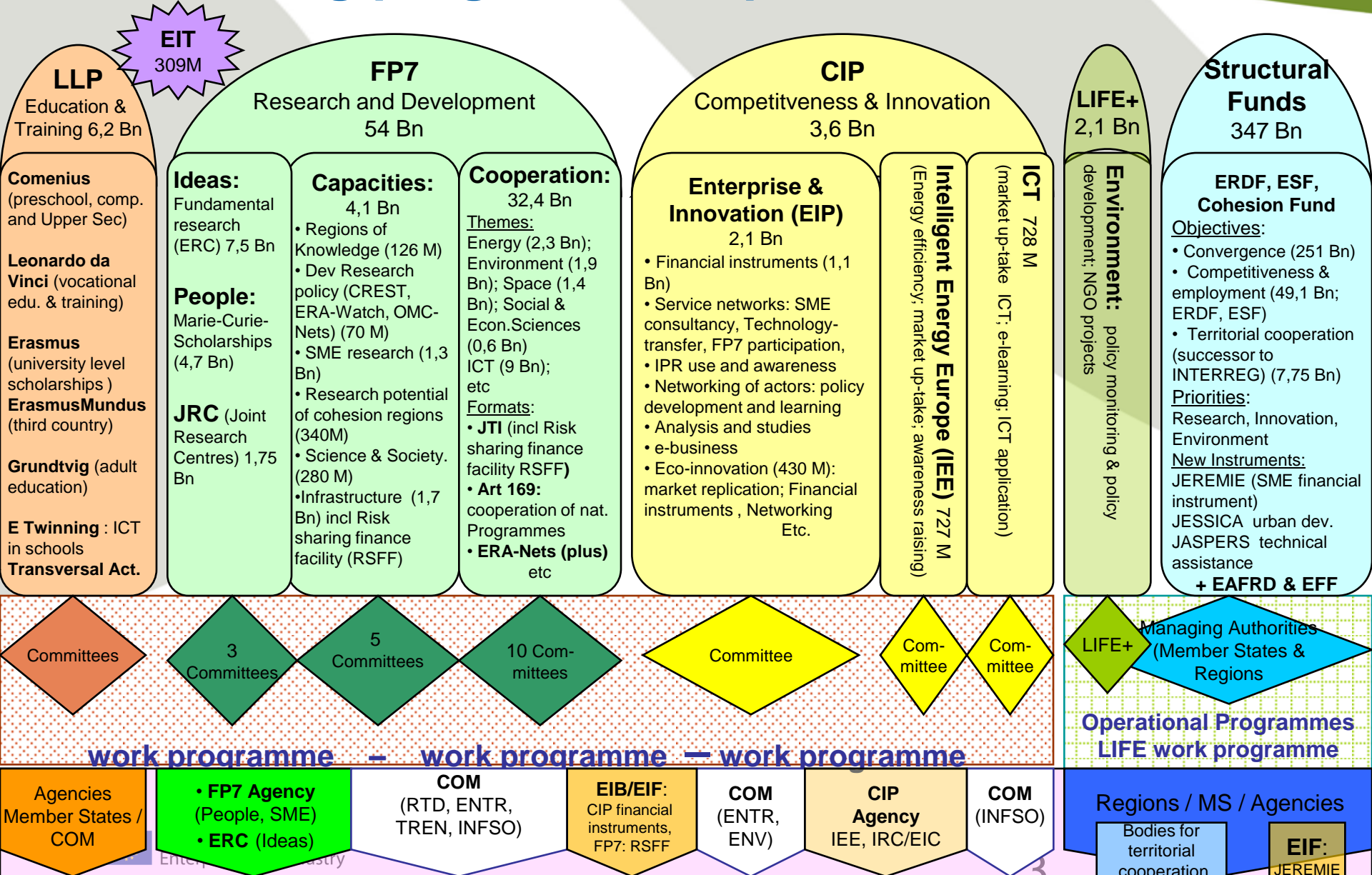
Trans-European Networks (TEN)
 Transport
 Energy



Not EU research initiatives:

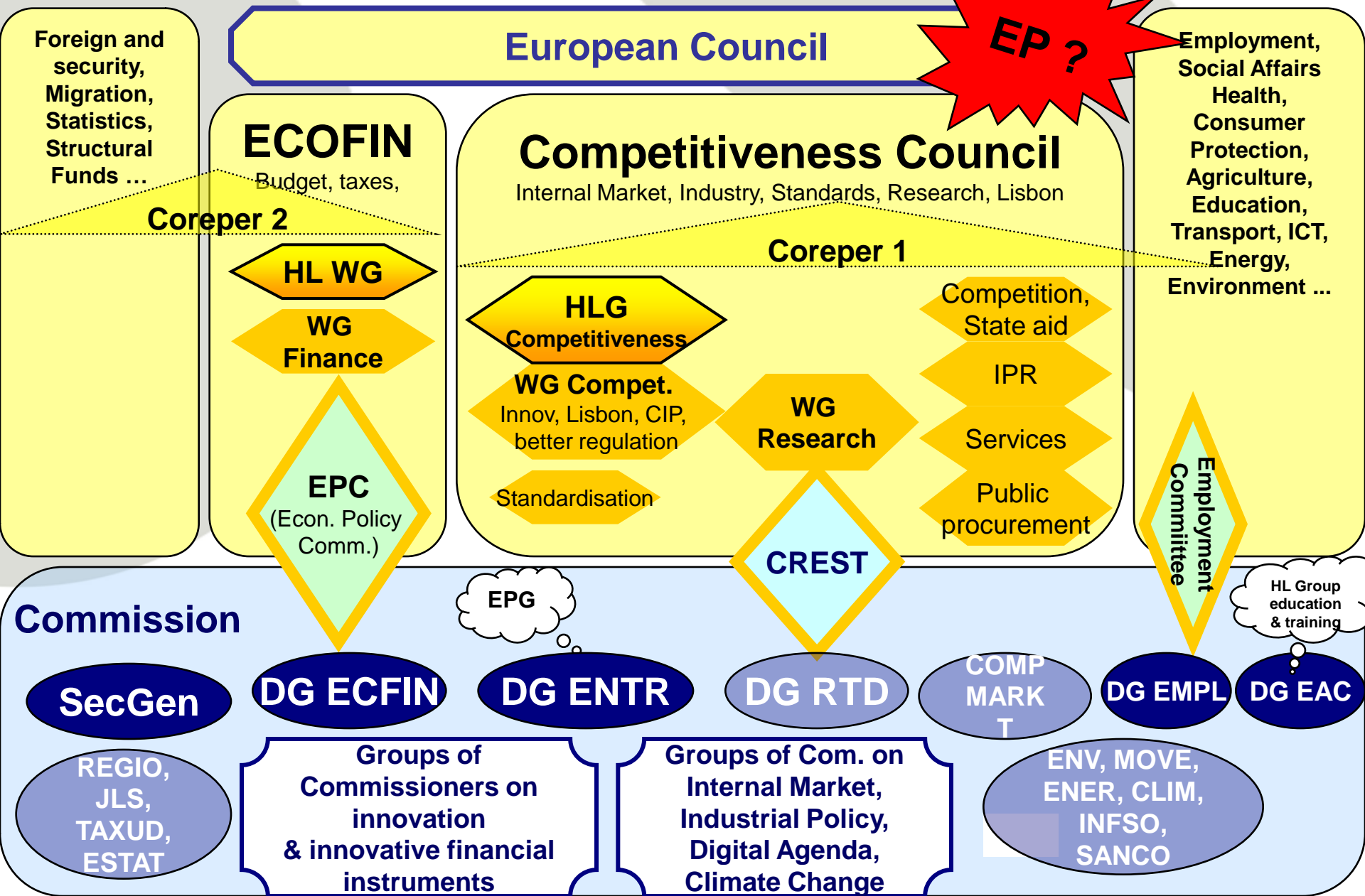



3. EU funding programme implementation



Implementation: projects, networks, award of grants and subsidies, etc.

4. Decision-making structures



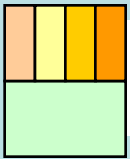
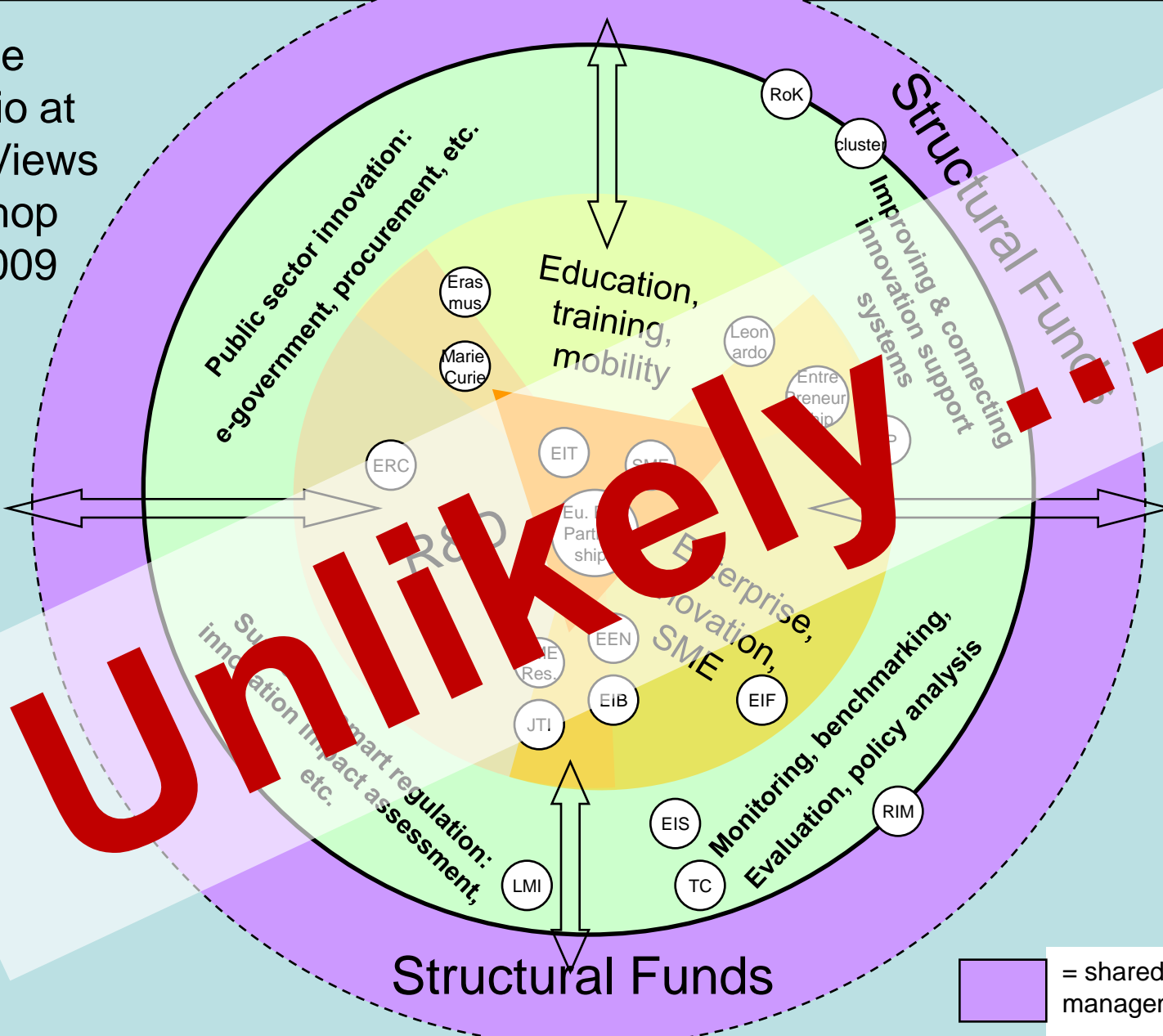
5. Discussions on future: until 2009

- Since 2007: Synergies between FP7, CIP and Structural Funds: Practical Guide on EU funding opportunities for R&D&I, RfEC initiative, Participant Portal ...
- EEN bridge function between FP7 and CIP ... and Structural Funds?
- Stakeholder feed-back & consultations
- Expert workshops

Extreme scenario at INNO Views Workshop Nov. 2009

National Funds

National Funds



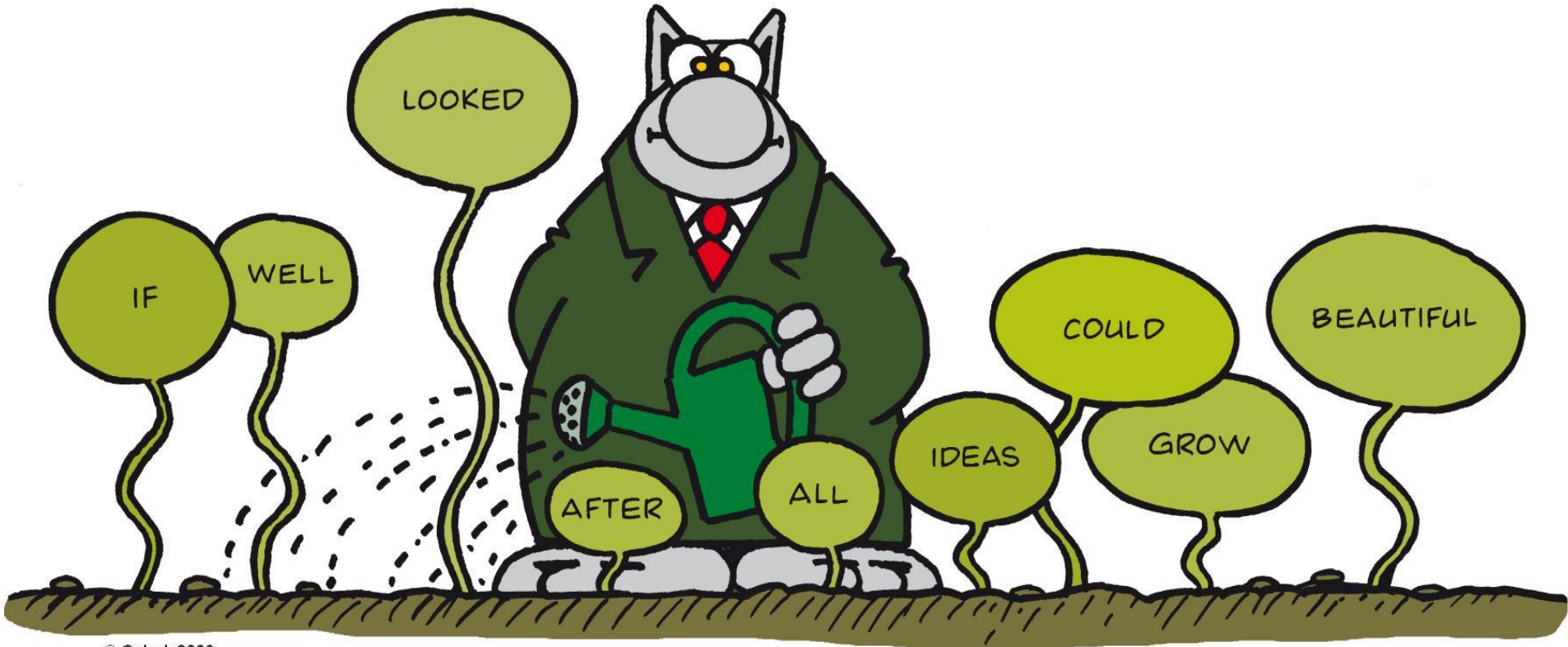
= for innovation actors (enterprises, research centres, universities, students, etc.)
 = for innovation support providers, intermediaries, national and regional policy-makers

= shared / indirect management
 = direct / central management

5. Discussions on future: current

- Europe 2020:
 - Innovation Union flagship:
 - re-focus R&D and innovation policy towards societal challenges ;
 - strengthen and further develop the role of EU instruments to support innovation (e.g. SF, rural development funds, FP ...), including through closer work with the EIB
 - Creating innovative instruments to finance the needed investments, including public-private partnerships ...
- Debate on future Cohesion Policy
- Preparatory work for future centrally managed EU funds
- **Post-2013 financial perspectives?**

Thank you very much for your attention !



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More information: EU Innovation Policy Portal:

http://ec.europa.eu/enterprise/policies/innovation/policy/future-policy/index_en.htm