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Joint Technology Initiatives: Background, Rationale and State of Play

**Presentation to Legal and Financial NCPs
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European Commission - DG Research





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Joint Technology Initiatives (JTIs): objectives

- Strengthen Europe's position as technologically innovative economy
- Support trans-national co-operation in fields of key importance for industrial research
- Respond to industry needs
- Build on European Technology Platforms (ETPs)



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ETPs: concept

Framework to unite stakeholders around:

- a common “vision” for the technology concerned
- mobilisation of a critical mass of research and innovation effort
- definition of a Strategic Research Agenda



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ETPs: approach

- Wide stakeholder base
 - industry, public authorities, research community, regulators, civil society and consumers
- Mobilisation of public and private funding
 - Community Framework Programmes, Structural Funds, national, regional and private research funding, EIB, EUREKA
- Education and training
 - anticipate and plan for future needs





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ETPs: three stages

Stage 1: Stakeholders get together

Stage 2: Stakeholders define a Strategic Research Agenda

Stage 3: Stakeholders implement the Strategic Research Agenda



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ETPs: implementing Strategic Research Agendas

- Majority of European Technology Platforms
 - ⇒ Supported using funding schemes under Cooperation Specific Programme of Seventh Framework Programme for Research and Development
- Small Minority
 - ⇒ Joint Technology Initiatives



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JTIs: rationale

- Support implementation of key elements of Strategic Research Agendas of European Technology Platforms where:
 - scale and scope of objectives are particularly ambitious
 - high and sustained levels of industry commitment
 - substantial public and private investment and resourced required
 - existing instruments are insufficient
- Provide necessary leadership to achieve ambitious research objectives





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JTIs: identification criteria

- Added value of European-level intervention
- Degree and clarity of definition of objective
- Strength of commitment from industry
- Scale of impact on industrial competitiveness and growth
- Importance of contribution to broader policy objectives
- Capacity to attract additional national support and leverage industry funding
- Inability of existing instruments to achieve objective



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JTIs: topics

- Five JTIs adopted:
 - Innovative Medicines (IMI)
 - Embedded Computing Systems (ARTEMIS)
 - Aeronautics and Air Transport (“Clean Sky”)
 - Nanoelectronics Technology 2020 (ENIAC)
 - Fuel Cells and Hydrogen (FCH)





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JTIs: common features

- Founding members
 - European Community (represented by Commission)
 - Industry
 - + Member States in case of ARTEMIS and ENIAC
- Public contribution
 - 50% maximum
- Calls
 - Open
- Duration
 - 10 years



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JTIs: approach

- No “one size fit all” approach
 - nature of technological challenges vary
 - stakeholder relations differ
 - tailored financial engineering needs
- But need for key guiding principles
 - ensure efficiency and durability
 - support long-term stakeholder commitment
 - promote openness, transparency and co-operation



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JTIs: organisation of consortia and calls

- JTIs are open structures – any legal entity established in the EU or Associated countries may become a member
- Rules of participation: similar to FP7
- Wide dissemination of calls (CORDIS / Official Journal)
- Community funding supports projects selected on the principles of excellence and competition



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JTIs: next steps

- Implement calls for proposals

Calls launched:

- IMI: 30 April 2008
 - ARTEMIS / ENIAC: 8 May 2008
 - "Clean Sky": foreseen end 2008
 - FCH: foreseen Q3 2008
- Recruit Executive Directors and other key personnel
 - Achieve operational autonomy



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JTIs: further information

<http://cordis.eu/fp7/jtis>

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