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Technology Platforms - Concept -

Stakeholders, led by industry, getting together to define a Strategic Research Agenda on a number of strategically important issues with high societal relevance where achieving Europe's future growth, competitiveness and sustainable objectives is dependent upon major research and technological advances in the medium to long term.



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Technology Platforms rationale

- **Contribute to Competitiveness (Lisbon goal) by**
 - **Boosting research investment (ERA, 3% target)**
 - **Enhancing co-ordination across Europe**
 - **Raising technological content of industrial activity**
- **Better align EU research priorities to industry's needs**

Ensuring that knowledge generated through research is transformed into technologies and processes, and ultimately into marketable products and services



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Technology Platforms: characteristics

- **Address challenging issues for growth**
- **Major technological advances: medium/long-term**
- **Community added value**
- **High research intensity**
- **Common European approach**
- **Whole chain: research and technological development to demonstration and, in the longer term, market penetration**



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Technology Platforms: 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, training, communication, dissemination**



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Technologies Platforms - 3 Stages -

- Stage 1:** Stakeholders, led by industry, getting together to agree a common vision for the technology
- Stage 2:** Stakeholders define a strategic research agenda setting out the necessary medium-to-long-term objectives for the technology
- Stage 3:** Stakeholders implement the strategic research agenda with the mobilisation of significant human and financial resources



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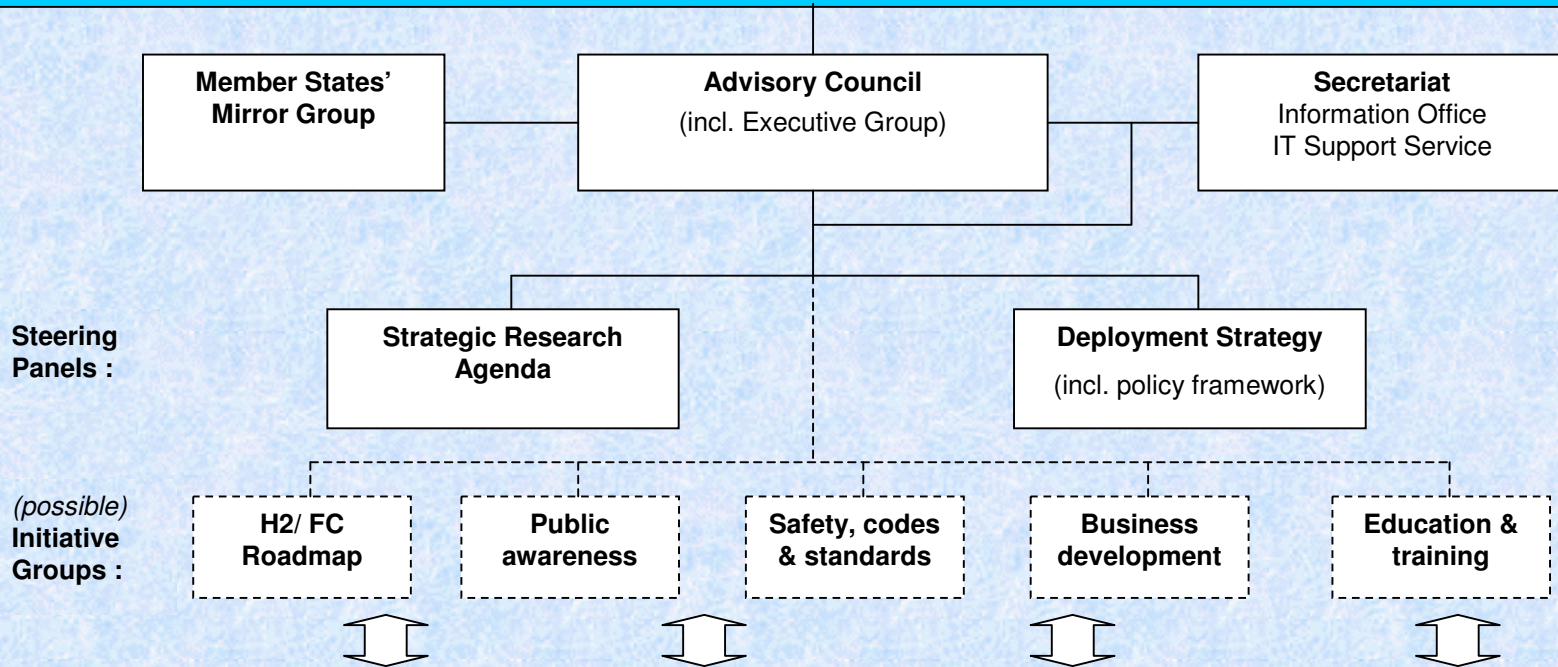
Some examples

- **Radical Change in a Sector**
Hydrogen & Fuel Cells, Nanoelectronics
- **Sustainable Development**
**Biofuels, Plant Genomics and Biotechnology,
Sustainable Chemistry**
- **Public Goods and Services**
**Innovative Medicines for Europe,
Mobile and Wireless Communications**
- **Strategic, High-Technology**
Aeronautics, Embedded Systems
- **Industrial Renewal**
Steel



HLG Vision

H2/ FC TECHNOLOGY PLATFORM



Steering Panels :

(possible) Initiative Groups :

PLATFORM OPERATIONS

New and on-going projects and initiatives (Community, national, regional and local)

GENERAL ASSEMBLY

(Bi-)annual Technology Platform Forum



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Technology Platforms - Role of Commission -

NOT:

- **steering / directing**
- **formally labelling**
- **no « institutionalisation »**
- **not bound by views of platforms**

BUT:

- **guiding**
- **facilitatating**
- **encouraging**

« Let the horses run »



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Technology Platforms - Inter-Service Group -

- **Some 15 DGs participating**
- **Expert contacts for each technology platform – regular updates on progress**
- **Transparency within Commission services**
- **Exchange of ‘good practices’**
- **Unified approach to external parties - speaking with one voice**



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Assessment Procedure

- **Criteria : objective, rigorous, transparent**
- **Three-stage assessment:**
 - **Science and technology**
 - **Broad-based economic benefits**
 - **European added value (crucial)**



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Key determining criteria

- **European level effort essential**
- **Existing instruments unsuitable**
- **Commitment of all stakeholders**
- **Endorsement of public authorities**
- **Industry ready to commit high levels of sustained financial & human resources**
- **Technical & managerial frameworks identified**



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More examples...

"Our vision is to master the revolutionary transition from microelectronics to nanoelectronics, making the 2020 information society technologically feasible and economically affordable."

Nanoelectronics Technology Platform

"Our goal is to assist in the transformation of Europe's manufacturing industry to address the challenges of the knowledge-based economy and to achieve world leadership in manufacturing."

Manufacture Technology Platform

"We will continue to act as the proposer, general promoter and disseminator of the Strategic Research Agenda as the standard point of reference for all aeronautically-related research work across the Community."

Aeronautics Technology Platform

