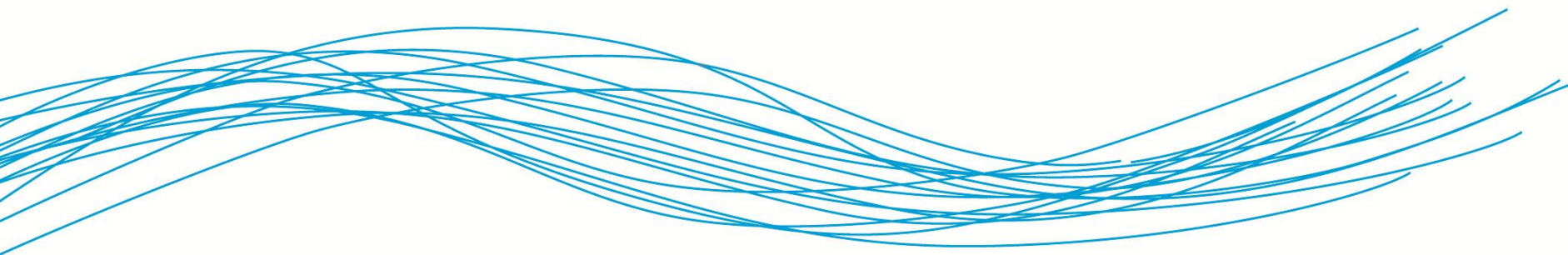


TRANSPORT IN HORIZON 2020



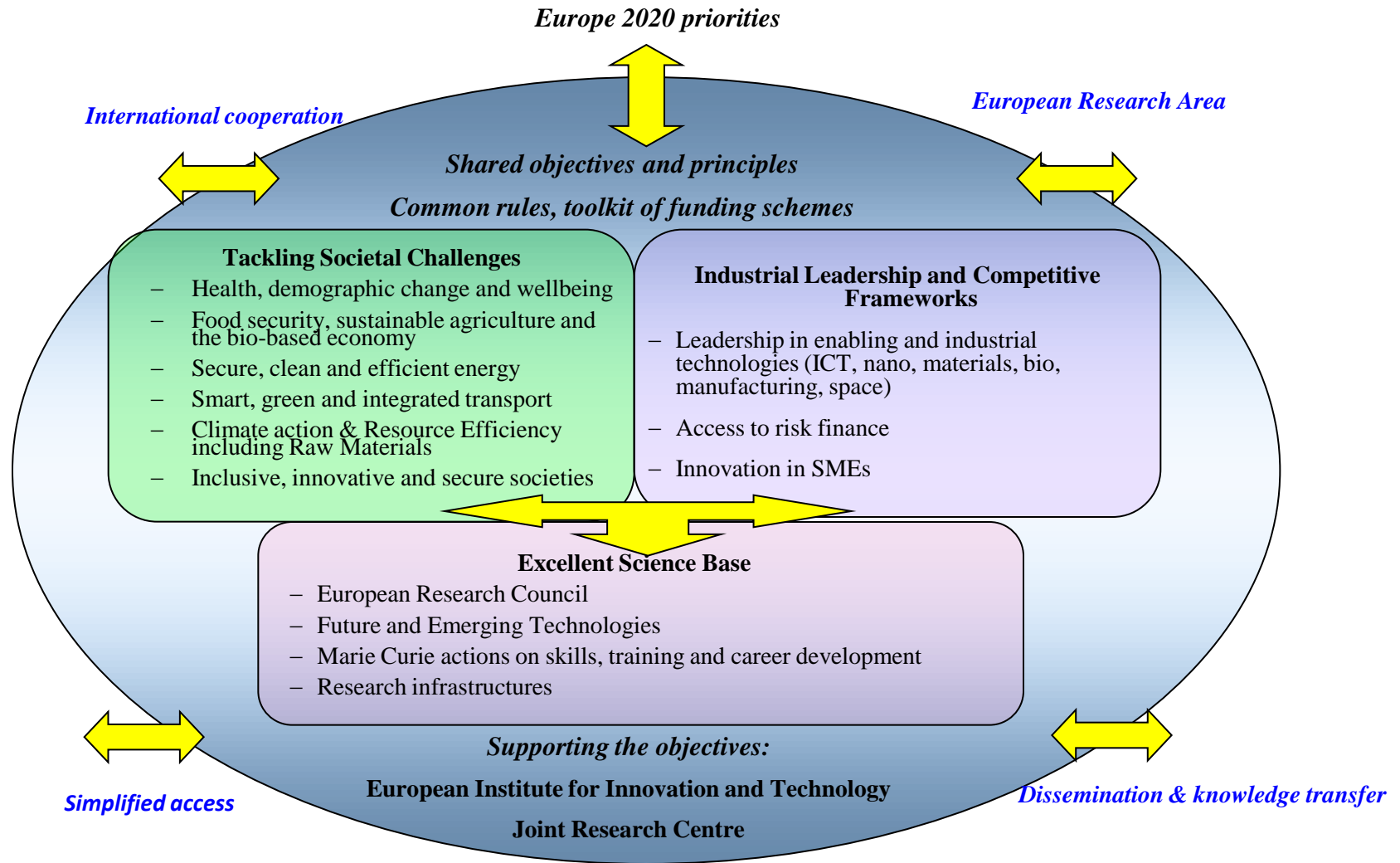
HORIZON 2020

3 MAIN COMPONENTS

• SCIENTIFIC
EXCELLENCE

• INDUSTRIAL
COMPETITIVENESS

• SOCIETAL
CHALLENGES



“HORIZON 2020”: MAIN FEATURES

DURATION:

- 7 years (2014-2020)

BUDGET:

- 88 billion € (current prices)

SCOPE:

- from research to innovation

IMPLEMENTATION:

- continued stakeholder engagement: maintaining and possibly extending JTI and PPPs

FUNDING SCHEMES:

- fewer, more flexible and user-friendly
- covering research and innovation

“SMART, GREEN AND INTEGRATED” TRANSPORT IN “HORIZON 2020”

The challenge: to achieve a transport system that is

- **resource efficient**
- **environmentally friendly**
- **safe and seamless**

for the benefit of citizens, economy and society

The logic:

- **a holistic approach...**
- **...that recognises modal specificities;**
- **that is focused on the societal challenges...**
- **...and takes into account the imperatives of competitiveness.**

STRIKING THE RIGHT BALANCE

- **policy objectives/industry goals/user needs**
- **holistic approach/modal specificities**
- **competitiveness/sustainability**
- **technology integration/socio-economic dimension**
- **means/infrastructures/systems/services**
- **aviation/road/rail/waterborne/urban/cross-cutting**

RESOURCE EFFICIENT TRANSPORT THAT RESPECTS THE ENVIRONMENT

- **cleaner, quieter aircraft, vehicles, vessels**
 - cleaner propulsion technologies
 - use of low emission alternative energies
 - lighter aircraft, vehicles, vessels
- **smart equipment, infrastructures and services**
- **improved transport and mobility in urban areas**

SUSTAINABLE

BETTER MOBILITY, LESS CONGESTION, MORE SAFETY AND SECURITY

- **substantial reduction of traffic congestion**
- **improved mobility of people and freight**
 - **air traffic management**
 - **waterborne: integrated planning and management**
 - **rail and road: optimisation of network management**
- **new concepts of freight transport and logistics**
- **reducing accidents and casualties, improving security**

SEAMLESS

GLOBAL LEADERSHIP FOR THE EUROPEAN TRANSPORT INDUSTRY

- **next generation of transport means**
 - **aircraft, trains, vehicles, vessels; propulsion units, control systems**
- **on board, smart control systems**
 - **vehicle/infrastructure communication**
- **advanced production processes**
 - **design and manuf. techniques: production, maintenance, recycling**
- **new transport concepts**
 - **innovative transport systems, incl. automated vehicles**

COMPETITIVE

SOCIO-ECONOMIC RESEARCH

AND FORWARD LOOKING ACTIVITIES FOR POLICY MAKING

- **actions to support policy analysis and development**
- **user behaviour, social acceptance, mobility patterns**
- **business models**
- **impact of policy measures**
- **long term scenarios and prospective studies**
- **transport and spatial planning**
- **accessibility issues**
- **transport economics**

RESPONSIVE

INTERNATIONAL COOPERATION

- **main drivers for international cooperation in transport R&I:**
 - **global challenges, common problems**
 - **cross-border interoperability**
 - **international standards and global systems**
 - **access to knowledge, access to markets**
- **mutual benefit, without hampering competition**
- **primarily with leading partner countries and neighbouring countries**

Main funding schemes

max 100% of eligible costs (70% for demos and close to market activities)

- **Collaborative projects**
whole range of R&D activities, carried out by transnational consortia
- **Support actions**
e.g.: dissemination, coordination, expert support, studies, etc.
- **Dedicated instrument for innovative SMEs**
3 stages: feasibility/ main grant/ follow up
- **Programme co-funding**
grants to national programmes for coordination and joint actions
- **Cash prize contests**
to stimulate breakthroughs in science, research and innovation
- **Financial engineering**

NEXT STEPS (TENTATIVE)

- 30 Nov. 2011** – **Commission proposals adopted**
- 2012-2013** – **EP and Council deliberations**
- 2013** – **EP and Council decisions**
- 2nd semester 2013** – **Preparation of 1st Work Programme**

THANK YOU FOR YOU ATTENTION!

