

# Transport Research and Innovation in Horizon 2020

The New EU Framework Programme for R&I  
2014-2020



**Manuela SOARES – Director  
European Commission  
Directorate for Research and Innovation**

# What is Horizon 2020

## The new EU Framework Programme for Research and Innovation, 2014-2020



**A budget of € 77 billion for 7 years**



**A core part of Europe 2020, Innovation Union  
and the European Research Area:**

- **Investing in future jobs and growth to overcome the economic crisis**
- **Addressing people's concerns about their livelihoods, safety, environment...**
- **Strengthening the EU's global position in research, innovation, technology**

# What's new

- **Coupling research to innovation – from research to deployment**
- **Focus on societal challenges facing EU society, e.g. health, clean energy, transport,...**
- **Simplified access, for participants**
- **A single programme bringing together three previously separate programmes/activities\***

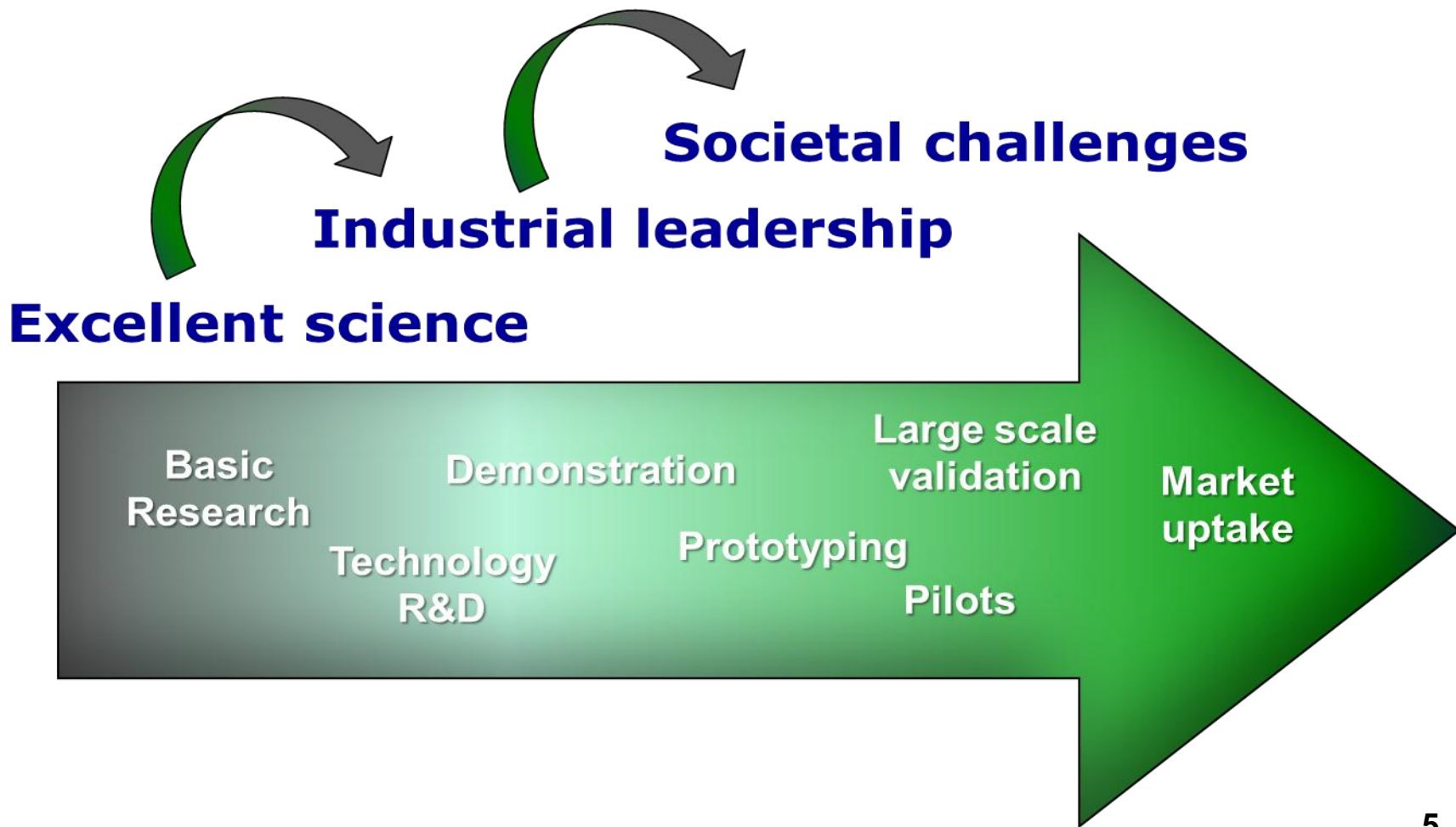
\*the 7<sup>th</sup> Research Framework Programme (FP7), innovation aspects of Competitiveness and Innovation Framework Programme (CIP), EU contribution to the European Institute of Innovation and Technology (EIT)

# Three main priorities





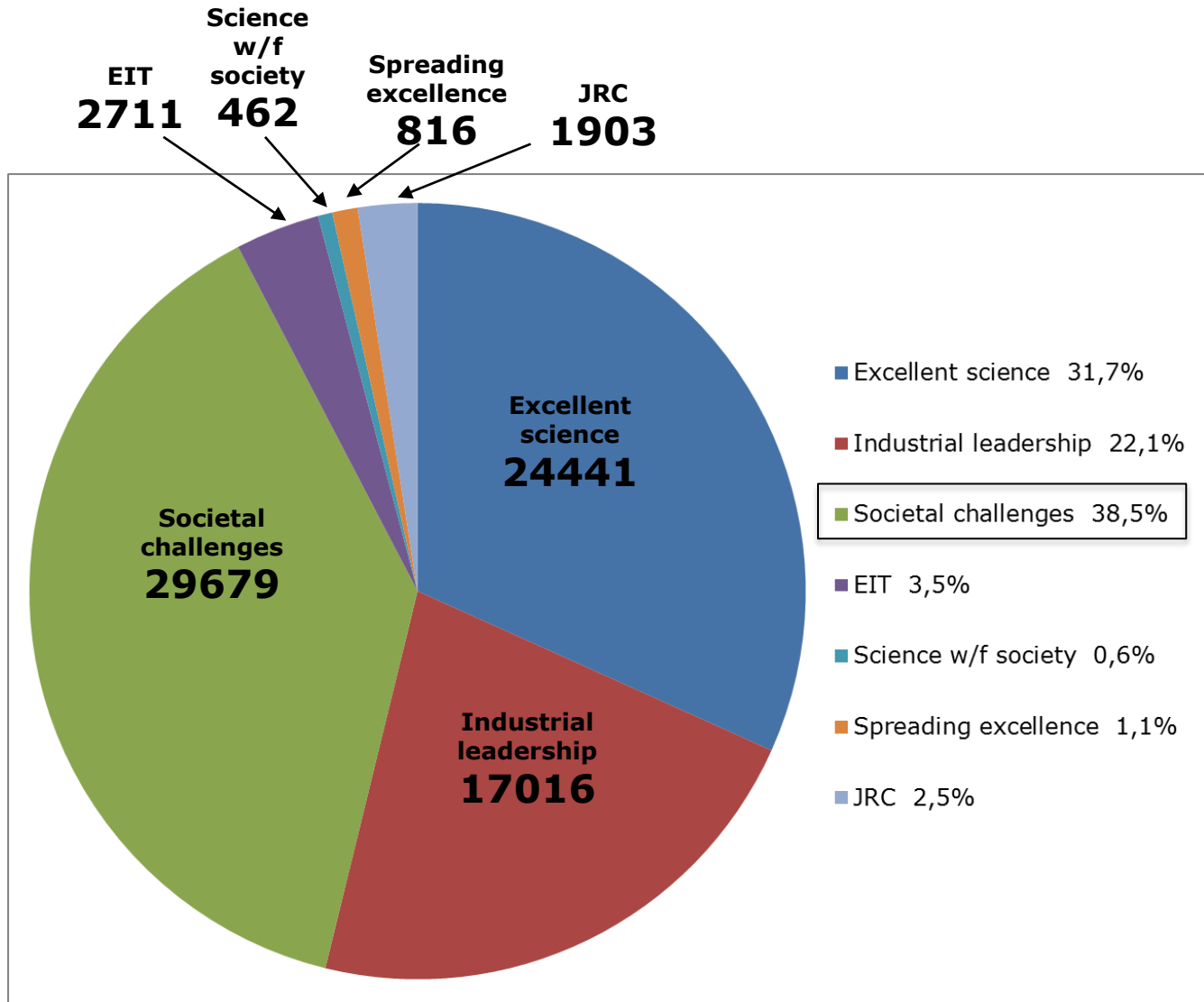
# Coverage of the full innovation chain



# Budget breakdown

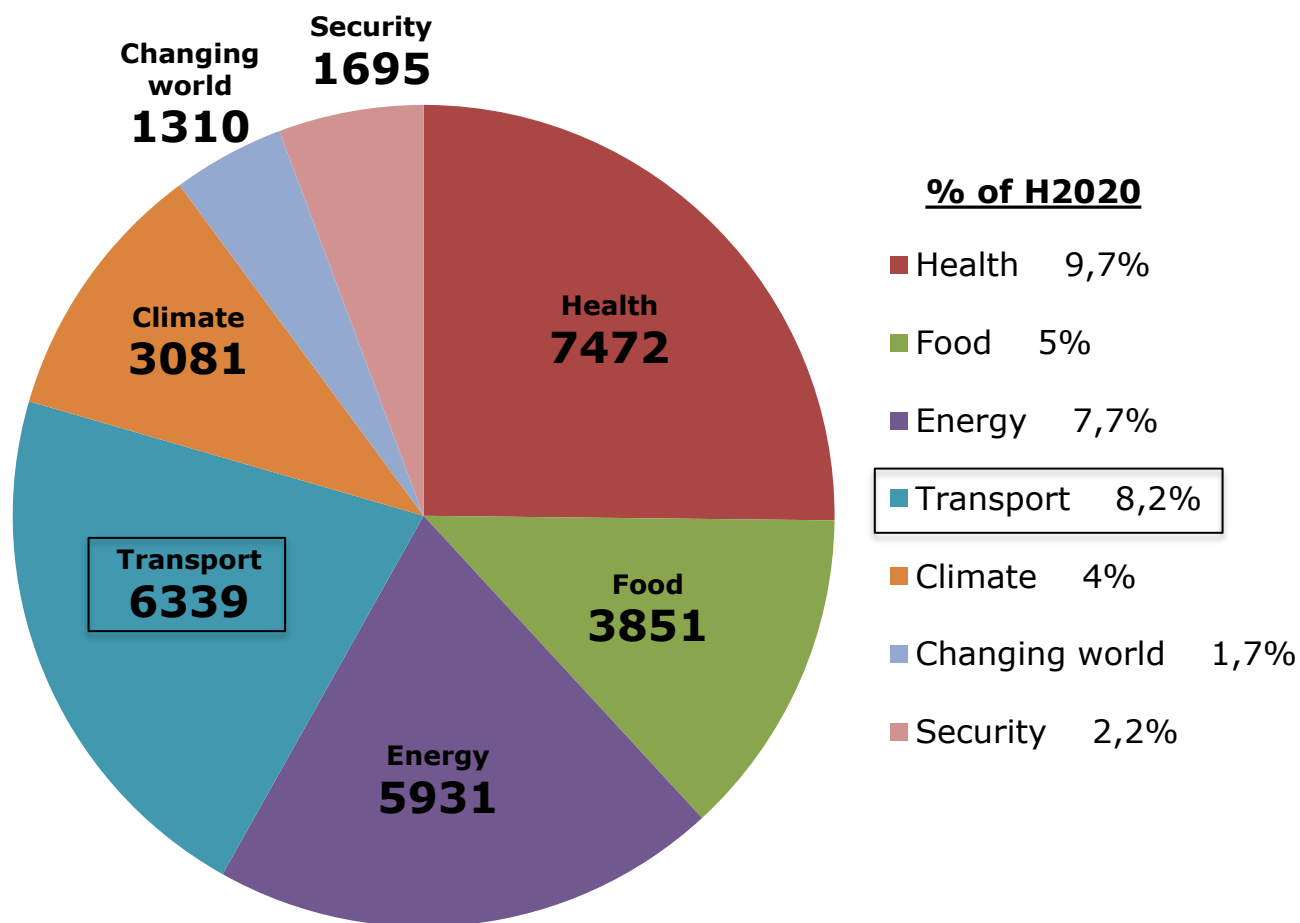


**77028 Million € (current prices)**





# 7 Societal challenges



# Transport main policy goals: competitiveness and sustainability

- **Innovate to preserve competitiveness, expand market-shares and jobs**
- **Achieve the 20/20/20 energy-climate-environment targets**
- **Curb noxious emissions, improve air quality**
- **Reduce congestion through improved network capacity and modal shift**
- **Develop smart solutions for safety and security toward "zero fatalities"**



## **The challenge: achieve a transport system that is...**

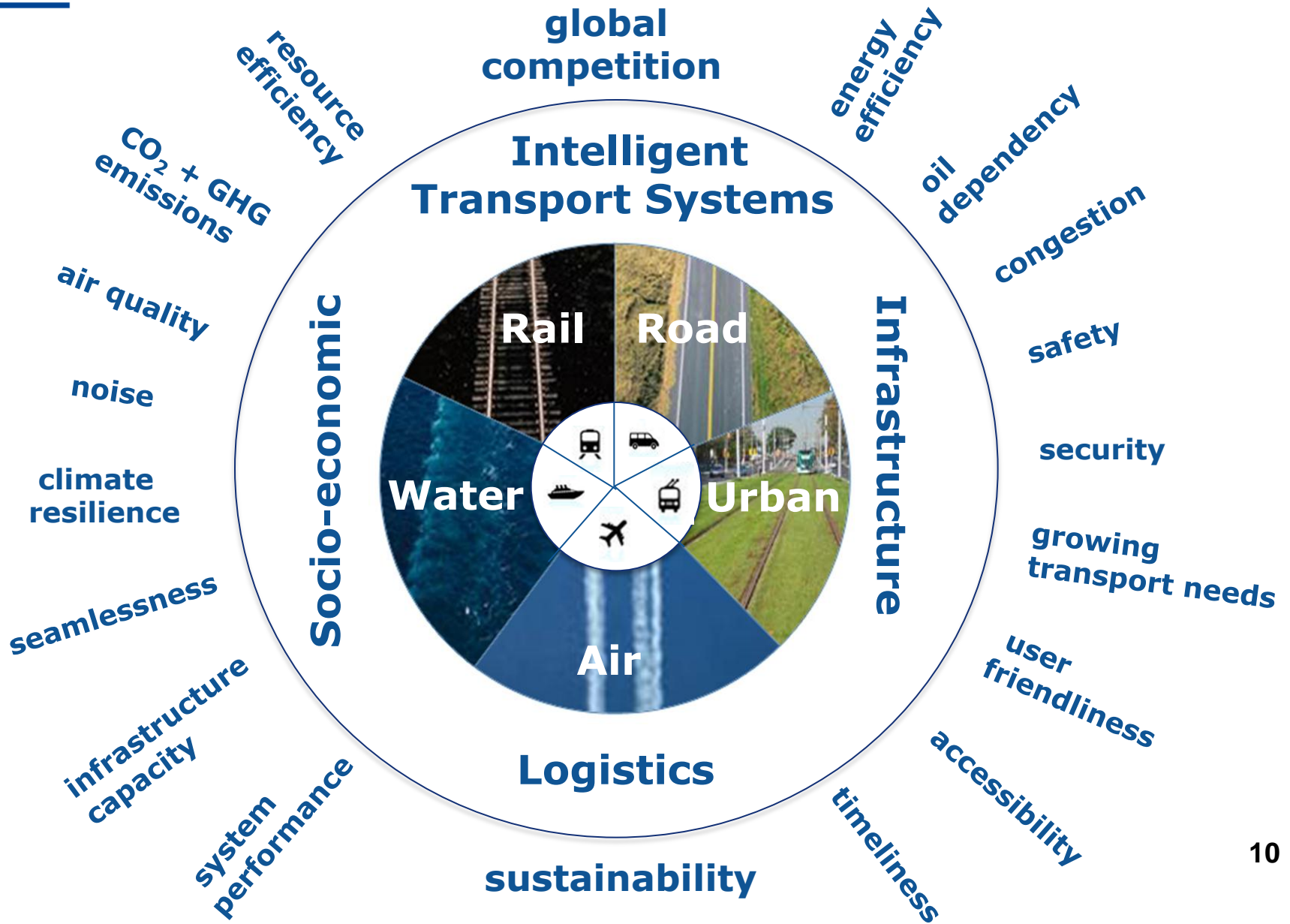
- Resource efficient
- Environmentally friendly
- Safe and seamless
- Beneficial for the citizens, the economy and society

## **and promote globally competitive transport industries**

## **The logic: a holistic approach which...**

- Recognises modal specificities
- Responds to policy requirements
- Is focused on the societal challenges
- Reconciles competitiveness and sustainability

# Transport means, modes, systems, policy goals and societal challenges



# Implementing the programme: WP calls and large initiatives

➤ **Collaborative  
calls for proposals**

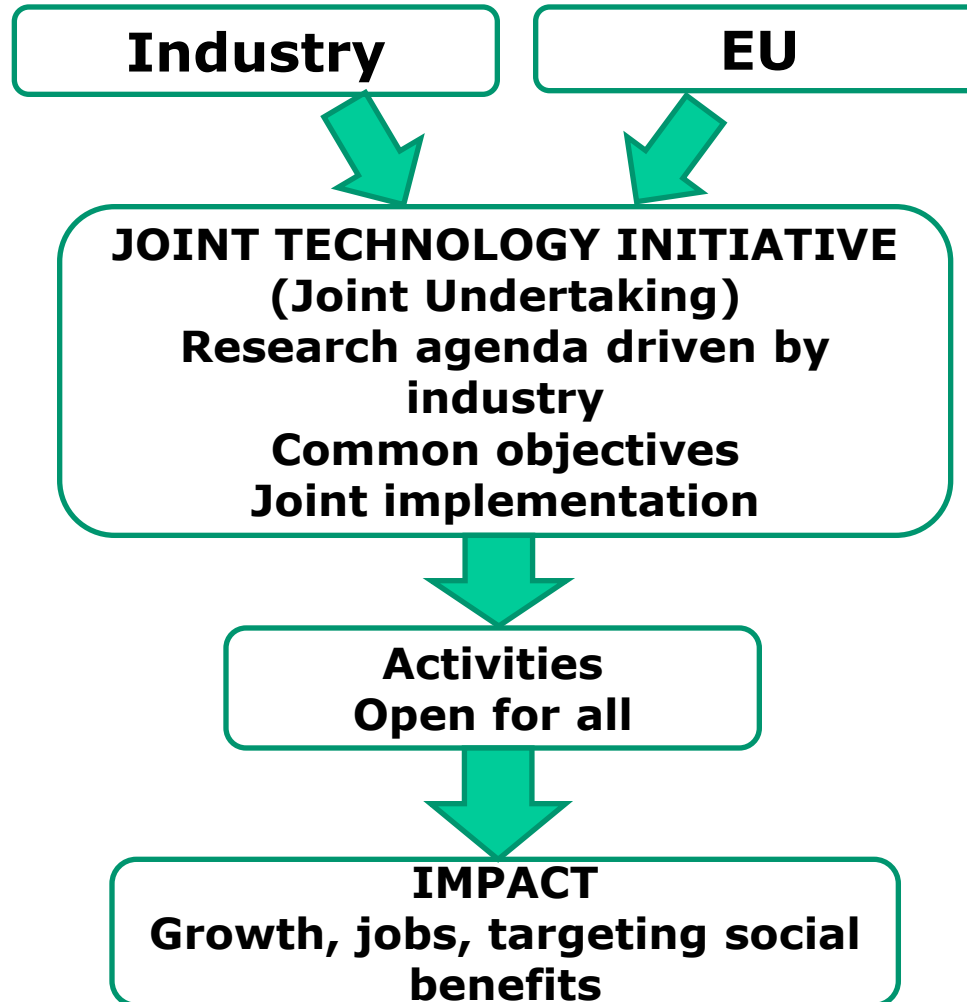
➤ **Innovation  
investment package**

- Clean Sky
- SESAR
- Fuel Cells & Hydrogen (contribution)
- [Shift2Rail]

**budget**



# PPPs with industry



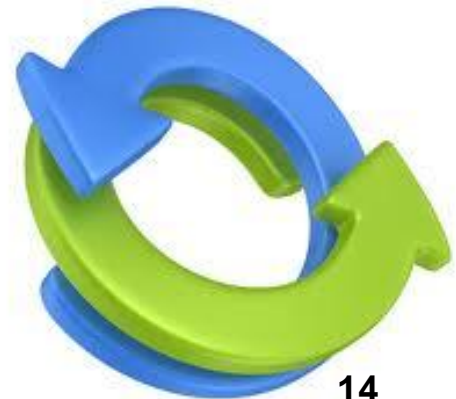
# Work Programme: new features

- **challenge-based approach: broad latitude for applicants to devise innovative solutions**
- **broader topics, less prescription, focus on impact**
- **biennial WP, annual calls (in most cases)**
- **1 topic = various projects (in most cases)**
- **no 'ringfencing' of topic budget/ranking (in most cases)**
- **simplified types of actions/funding rates**  
(research and innovation actions: 100%; innovation actions: 70%/100%;...)
- **2-stage evaluation for most topics**
- **keywords and tags for easy access to information**



- **Calls: annual, biennial or open**
- **Single stage or 2-stage evaluations**

\* possible revision



# WP 2014-15 Transport calls

<b>Calls (publication 11 December 2014)</b>	<b>Budget (€ Mio) 2014</b>	<b>Budget (€ Mio) 2015 *</b>
<b>Call 'Mobility for Growth'</b>	<b>374,5 (+2)</b>	<b>184 (+10)</b>
<b>1. Aviation</b>	70 (+2)	36
<b>2. Rail</b>	52	-
<b>3. Road</b>	66	23 (+5)
<b>4. Waterborne</b>	56	18
<b>5. Urban</b>	40	66,5
<b>6. Logistics</b>	32	18
<b>7. ITS</b>	31	-
<b>8. Infrastructure</b>	19	17,5
<b>9. Socio-economic and behavioural research</b>	8,5	5 (+5)
<b>Call 'Green Vehicles'</b>	<b>129</b>	<b>30</b>
<b>Call Small business and Fast Track</b>	<b>35,87</b>	<b>38,69</b>
<b>Contribution to Smart Cities, Blue Growth</b>	<b>33.5</b>	<b>25.5</b>

\* provisional

## AVIATION

108 M €

### EUROPE NEEDS:

- Medium to long-term Research and Innovation actions with a bottom-up approach for innovative technologies, complementing those carried out under Clean Sky and SESAR
- Actions to improve the skills and knowledge base of European aviation, to support its R&I policy and to create durable links with targeted international cooperation partners





## AVIATION

### TOPICS:



- Competitiveness of European aviation through cost efficiency and innovation - **MG1.1** - 2014 - 2 stages
- Enhancing resource efficiency of aviation - **MG1.2** - 2015 - 2 stages
- Seamless and customer oriented air mobility - **MG1.3** - 2014 - 2 stages
- Coordinated research and innovation actions targeting the highest levels of safety for European aviation - **MG1.4** - 2014 - 1 stage
- Breakthrough innovation for European aviation - **MG1.5** - 2014 - 2 stages
- Improving skills and knowledge base in European aviation - **MG1.6** - 2014 - 1 stage
- Support to European aviation R&I policy - **MG1.7** - 2014 - 1 stage
- International cooperation in aeronautics - **MG1.8** - 2014 - 1 stage; 2015 - 1 stage
- Developing a public European environmental modelling suite for aviation (under 'Other Actions' in WP) Tender - **OA1** - 2014

## RAIL

## 52 M €

### EUROPE NEEDS:

- Radical progress in service, costs, interoperability, capacity, noise reduction and competitiveness and further developments in terms of carbon footprint
- Novel business, organizational and logistics solutions, new partnerships with service and technology providers from more advanced sectors
- New technologies in all rail segments, services infrastructure



## RAIL

### TOPICS:

- Intelligent Infrastructure – **MG2.1**
- Smart Rail Services – **MG2.2**
- New generation of rail vehicles – **MG2.3**

*All are 2 stages for 2014*

*Projects will contribute to the objectives of the envisaged 'Shift2Rail' initiative*

**in red: topics open in 2014**



## ROAD

## 94 M €

### EUROPE NEEDS:

- R&I for road transport in complement to the 'Green Vehicles' call
- Activities in the field of:

Internal combustion engines; support to air quality policy; safety of road transport; production technology; new vehicle concepts for road and urban transport



## ROAD

### TOPICS:

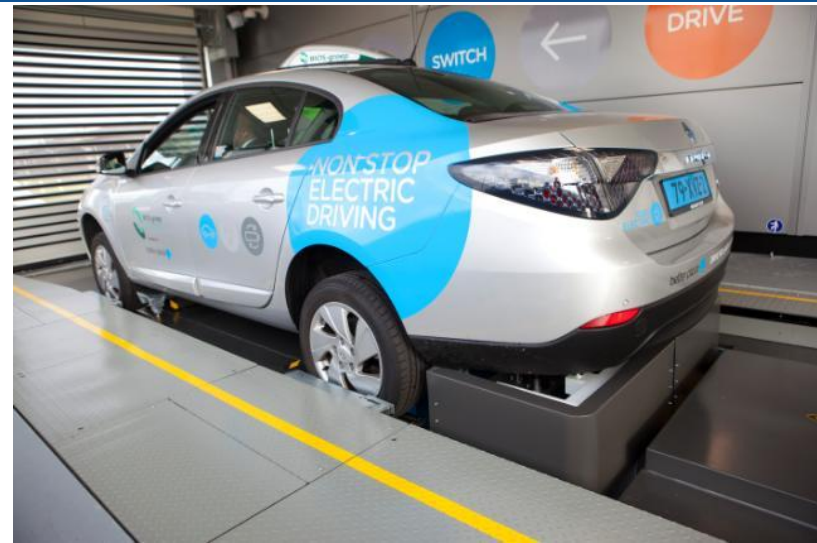


- Technologies for low emission powertrains – **MG3.1** - 2014 – 2 stages
- Advanced bus concepts for increased efficiency – **MG3.2** - 2014 – 2 stages
- Global competitiveness of the automotive supply chain management – **MG3.3** - 2014 – 2 stages
- Traffic safety analysis and integrated approach towards the safety of Vulnerable Road Users – **MG3.4** - 2014 – 2 stages
- Cooperative ITS for safe, congestion-free and sustainable mobility – **MG3.5** - 2014 – 2 stages
- Safe and connected automation in road transport – **MG3.6** - 2015 – 2 stages
- The cleanest engine (under 'Other Actions' in WP) – **OA4** - 2015 - Inducement prize

**in red: topics open in 2014**

## **EGVI PPP: 'EUROPEAN GREEN VEHICLES INITIATIVE'**

**159 M €**



**The call on Green Vehicles is an essential component of road transport R&I, it supports:**

- Improvement of energy efficiency of road transport vehicles
- Use of new types of non-conventional energies in road transport, such as electricity, CNG and LNG, bio-based fuels

*Demonstration is essential to ensure timely deployment of the new technologies*

## TOPICS:

*They are all single stage*

- Next generation of competitive Li-ion batteries to meet customer expectations – **GV1** - 2014
- Optimised and systematic energy management in electric vehicles – **GV2** - 2014
- Future natural gas powertrains and components for cars and vans – **GV3** - 2014
- Hybrid light and heavy duty vehicles – **GV4** - 2014
- Electric two-wheelers and new new light vehicle concepts – **GV5** - 2014
- Powertrain control for heavy-duty vehicles with optimised emissions – **GV6** - 2015
- Future natural gas powertrains and components for heavy duty vehicles – **GV7** - 2014
- Electric vehicles' enhanced performance and integration into the transport system and the grid – **GV8** - 2015



## WATERBORNE

74 M €

### EUROPE NEEDS:



- A modern, safe, secure and resource efficient waterborne transport system
- Sustainable development: optimal use of energy sources, minimization of environmental impacts
- Competitiveness: creation and deployment of R&I solutions; exploring new frontiers in terms of vessels, operational paradigms and industrial use of oceans



## WATERBORNE

### TOPICS:



- Towards the energy efficient and emission free vessel – **MG4.1** - 2014 – 2 stages
- Safer and more efficient waterborne operations through new technologies and smarter traffic management – **MG4.2** - 2014 – 2 stages
- System modelling and life-cycle cost and performance optimisation for waterborne assets – **MG4.3** - 2015 – 2 stages
- Advancing innovation in the Inland Waterways Transport (IWT) sector – **MG4.4** - 2014 – 2 stages

## URBAN MOBILITY

106.5 M €

### EUROPE NEEDS:

Innovation in resource-efficient and competitive urban mobility and transport ('CIVITAS 2020'):

- Transformation towards a cleaner and better urban mobility and transport
- Five complementary challenge-topics
- Framework for coordinated evaluation, dissemination and information exchange
- Build on legacy (CIVITAS, STEER market take-up, ...)



## URBAN MOBILITY

### TOPICS:

- Transforming the use of conventionally fuelled vehicles in urban areas  
– **MG5.1** - 2014 – 2 stages
- Reducing impacts and costs of freight and service trips in urban areas  
– **MG5.2** - 2014 – 2 stages
- Tackling urban road congestion – **MG5.3** - 2014 – 2 stages
- Strengthening the knowledge and capacities of local authorities  
– **MG5.4** - 2015 – 2 stages
- Demonstrating and testing innovative solutions for cleaner and better urban transport and mobility – **MG5.5** - 2015 – *Innovation actions: 2 stages; CSA: 1 stage*



## LOGISTICS

50 M €

### EUROPE NEEDS:

- To increase efficiency and sustainability in the EU logistics supply chain
- To remove the communication bottlenecks between stakeholders
- To improve the potential for collaboration, the utilization of equipment and connectivity across the transport modes



## LOGISTICS

### TOPICS:

- Fostering synergies alongside the supply chain (including e-commerce)  
– **MG6.1** - 2014 - 2 stages
- De-stressing the supply chain – **MG6.2** - 2014 - 2 stages
- Common communication and navigation platforms for pan-European logistics applications – **MG6.3** - 2015 - 2 stages

**in red: topics open in 2014**



## INTELLIGENT TRANSPORT SYSTEMS

31 M €

### EUROPE NEEDS:

- ITS and ICT technologies provide a set of strategies for addressing the challenges of:

Assuring safety and reducing congestion; Delivering safe, efficient, sustainable and seamless transport options across Europe; Accommodating the growth in passenger and freight traffic; Safeguarding the competitiveness of the European industry

- Progress in the ITS area under H2020 shall contribute to decarbonizing the transport sector and materializing the "Zero" vision of road safety
- Topics adding value to mode-specific activities



## INTELLIGENT TRANSPORT SYSTEMS

31 M €



### TOPICS:

- Connectivity and information sharing for intelligent mobility  
– **MG7.1** - 2014 – 2 stages
- Towards seamless mobility addressing fragmentation in ITS deployment in Europe – **MG7.2** - 2014 – R&I: 2 stages; CSA: 1 stage

in red: topics open in 2014

## INFRASTRUCTURE

36.5 M €

### EUROPE NEEDS:

- To make infrastructure more resilient
- To keep pace with the growing mobility needs and aspirations of people and businesses
- To reduce the impact of infrastructure on the environment
- To maintain and upgrade deteriorating transport infrastructures
- To facilitate the uptake of innovation





## INFRASTRUCTURE

### TOPICS:

- Smarter design, construction and maintenance  
– **MG8.1** - 2014 – R&I: 2 stages; CSA: 1 stage
- Next generation transport infrastructure: resource efficient, smarter and safer – **MG8.2** - 2014 – R&I: 2 stages; CSA: 1 stage
- Facilitating market take-up of innovative transport infrastructure solutions – **MG8.3** - 2015 – *Public procurement of innovative solutions*
- Smart governance, network resilience and streamlined delivery of infrastructure innovation – **MG8.4** - 2015 – R&I: 2 stages; CSA: 1 stage



## **SOCIO-ECONOMIC and BEHAVIOURAL RESEARCH and FORWARD-LOOKING ACTIVITIES for POLICY- MAKING**

**18.5 M €**



### **EUROPE NEEDS:**

- To help generate the innovative solutions necessary for smarter, greener and more integrated transport and mobility by embedding the social sciences and humanities throughout this challenge
- To address the specific needs in terms of socio-economic and behavioural research: data, models and scenarios; user needs and behaviour; transport economics and policy support

## SOCIO-ECONOMIC AND BEHAVIOURAL RESEARCH AND FORWARD-LOOKING ACTIVITIES FOR POLICY-MAKING

### TOPICS:

- Transport societal drivers  
– **MG9.1** - 2015 – 1 stage
- User behaviour and mobility patterns in the context of major societal trends  
– **MG9.2** – 2014 – 1 stage
- Analysis of funding schemes for transport and infrastructure  
– **MG9.3** – 2014 – 1 stage
- Research, technology development and market prospects for the European transport industries  
– **MG9.4** – 2014 – 1 stage
- Fostering transnational cooperation in European transport R&I – NCP network  
– **MG9.5** – 2015 – 1 stage
- Strengthening the R&I strategies of the transport industries in Europe  
– **MG9.6** – 2014 – 1 stage
- Innovation awards for students and researchers in the context of the TRA 2016 Conference  
– **MG9.7** – 2014 – 1 stage
- Europe wide open source transport models, data and scenarios (under 'Other Actions' in WP)  
– **OA2** – Tender 2015 (under 'Other Actions')



# Call 'Small business and Fast track'

**84.5 M €**

## **EUROPE NEEDS:**

- The best products and services, in a time and cost efficient manner, in order to preserve transport sector's leadership and create new jobs
- The role of SMEs is critical in order to meet these challenges



## TOPICS:



- Small business innovation research for Transport  
– **IT1** – 2014-2015 – *SME instrument*
- Fast Track to Innovation – **IT2** - 2015

in red: topics open in 2014

# Transport related topics in WP 2014-15/ other challenges

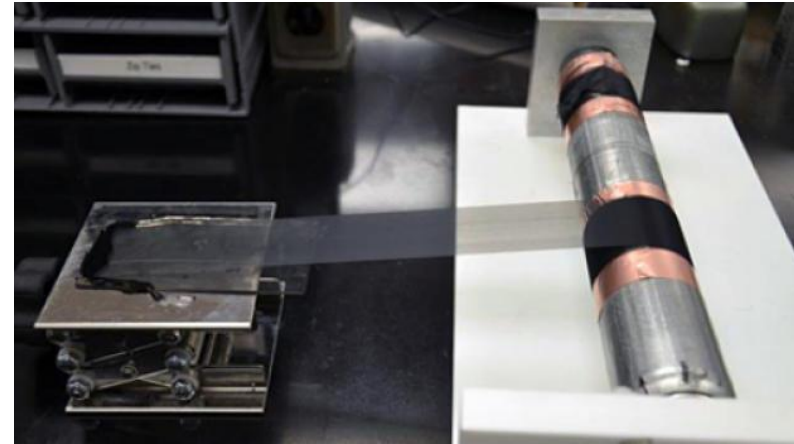
- **Energy:**
  - biofuels and alternative fuels
  - bioenergy engines
  - energy storage
  - 'Smart Cities'
- **Climate/environment:**
  - urban air quality
- **Security:**
  - crisis and disaster resilience
  - critical infrastructure protection
  - freight inspection technologies
- **Food/'Blue growth':**
  - offshore economy
  - sub-sea technologies
  - response to oil spills and maritime pollution



# Transport related topics in WP 2014-15/ other parts of H2020

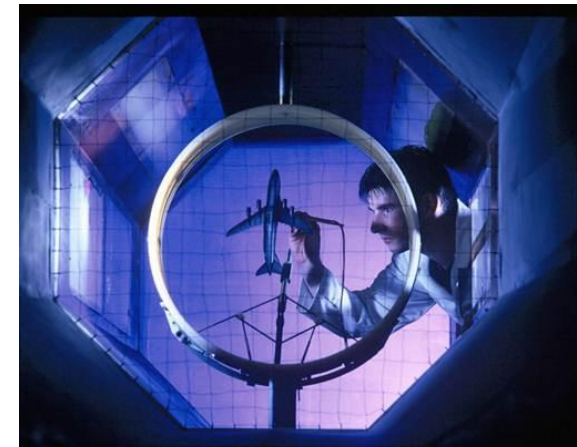
- **Leadership in enabling and industrial technologies:**

- ICT for Transport applications
- Post lithium-ion batteries
- Advanced functional materials
- Fibre-based materials



- **Other areas:**

- Future and emerging technologies
- European Research Council
- Marie Skłodowska Curie actions
- Research infrastructures
- Access to risk finance
- Spreading excellence, widening participation
- Science with and for society
- Joint Research Centre



# International cooperation: common problems, mutual benefit

- **GHG emissions, oil dependency, traffic congestion, passenger safety, transport security,...: global challenges call for global solutions**
- **global standards and interoperability of systems are more necessary than ever**
- **most future transport growth will occur outside Europe: access to knowledge and markets becomes more important**
- **transport increasingly global, new competitors emerge, but also new opportunities for collaboration**
- **economic and social dynamics beyond Europe's borders call for closer links and greater cooperation**





# Engaging international partners: openness + selective targeting

BOTTOM-UP

- anybody can participate  
submit proposals, join consortia
- participants from developing countries can get funding  
(see list of countries in WP annexes)
- participants from industrialised and emerging countries  
can get funding only exceptionally

TOP-DOWN

- some topics in the Work Programme may target  
cooperation with specific countries in given areas
- basis: agreed common interest, co-funding if possible
- reinforce collaboration with key partners; integration  
with candidate countries, proximity and partnership  
with neighbours; multilateral cooperation



- **multi-partner transnational consortia (in most cases)**
- **public calls for proposals**
- **competitive selection**
- **evaluation by independent experts**
- **evaluation criteria:**
  - **excellence**
  - **impact**
  - **implementation quality**
- **funding rates:**
  - **direct costs = 100% or 70%**
  - **indirect costs = 25% of direct costs**



# Implementation modalities

FORMS OF FUNDING	Types of action	Funding rate	Min n° of partners
<b>Grants</b>	- Research and Innovation actions/RIA	100%	3
	- Innovation Actions/IA	70%/100%*	3
	- Coordination and Support Actions/CSA	100%	1
	- Marie Skłodowska Curie Actions/MSCA	100%	1
	- European Research Council/ERC grants	100%	1
<b>Programme co-fund</b>	- ERA-Net co-fund	33% (top-up)	3
	- PCP/PPI co-fund	PCP 70% PPI 20%	3
<b>Prizes</b>	- Inducement prizes, award prices	Lump sum (result based)	1
<b>Procurement</b>	- Tenders	100%	1
<b>Financial instruments</b>	- Loan instrument	-	1
	- Equity instrument	-	1
<b>SPECIFIC PROCEDURES</b>	- SME Instrument	1. Lump sum 2. 70%	1 1
	- Fast Track to Innovation (pilot)	70%	1
			<b>43</b>

In red: actions in the Transport WP 2014-15

\* 100% for non-profit

— **Research and innovation actions/RIA**

**target:** produce new knowledge, explore new technologies/solutions

**features:** min 3 participants; 100% funding rate

— **Innovation actions/IA**

**target: deployment oriented:** demonstration, pilot, prototype, testing, product validation, market replication

**features:** min. 3 participants; 70% funding (100% for non-profit)

— **Coordination and support actions/CSA**

**target:** accompanying measures: coordination, standardization, dissemination, awareness-raising, communication, networking, studies

**features:** 1 or more participants; 100% funding rate

# Types of actions in Transport WP 2014-15 (2/2)

- **Public Procurement of Innovative solutions (PPI co-fund)**  
**target:** groups of public procurers, sharing innovation deployment risks  
**features:** 20% funding rate; 2 phases: preparation + execution
- **Inducement prize**  
**target:** result oriented cash incentive to induce cutting edge solutions  
**features:** subject to the outcome of an on-going study
- **SME instrument**  
**target:** innovative SMEs; covers feasibility, R&D, demo, market take-up  
**features:** 3 phases:
  1. Concept and feasibility (lump sum 50 k€, ~6 months)
  2. R&D, demo, market replication (1-5 M€, 12-24 months)
  3. Commercialisation (SME window in loan & equity schemes)
- **Fast Track to Innovation**  
**target:** increase participation of industry, SMEs, first time applicants (LEIT+SC)  
**features:** pilot in 2015; 1-5 participants; grants up to 3 M€.

<b>Single stage</b>	<ul style="list-style-type: none"><li>• <b>All Coordination and Support Actions (CSAs)</b></li><li>• <b>'Green Vehicles' call (RIA &amp; IA)</b></li></ul>
<b>Two stage</b>	<ul style="list-style-type: none"><li>• <b>'Mobility for Growth' call (RIA &amp; IA)</b> (except topic MG.1.4)</li></ul>

**A two-stage procedure fits well with the H2020 character:**  
topics with broad scope, bottom up approach & low prescriptiveness

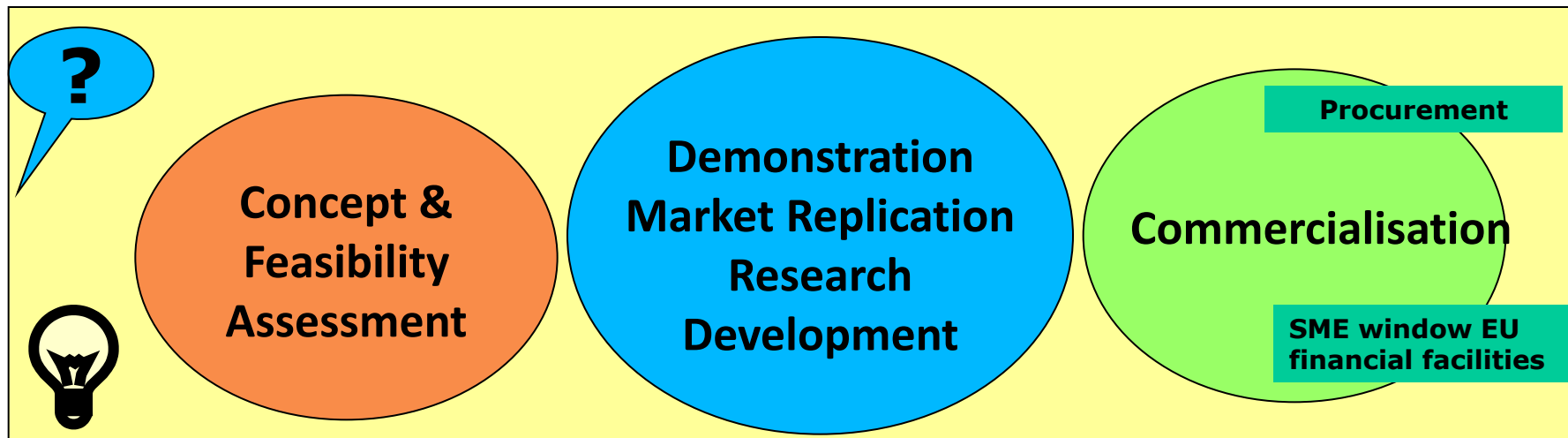
# Two-stage evaluation

<p><b>Stage 1</b></p>	<ul style="list-style-type: none"><li>• <b><u>proposal submission</u></b> max 15 pages; focus on content and results</li><li>• <b><u>proposal evaluation</u></b> 2 criteria: excellence and impact outcome: 'GO' or 'NO GO'</li></ul>
<p><b>Stage 2</b></p>	<ul style="list-style-type: none"><li>• <b><u>proposal submission</u></b> only stage 1 'GO' proposals admitted</li><li>• <b><u>proposal evaluation</u></b> 3 criteria: excellence, impact, implementation</li></ul>

- 20% of budget from societal challenges and LEIT
- New "**SME Instrument**": > 70 Meur in 2014-15 for Transport
- **Support measures** under "Innovation in SME" – Networking and brokering SMEs to "spin-in" technology by connecting to researchers and innovators across Europe
- **Eurostars** Joint Programme with MS and associated countries for research-intensive SMEs
- Access to **Risk Finance**
- A new "**Fast Track to Innovation**" **Pilot** open call (Priorities 2 and 3). Open to all sectors, also including sectors that are not in H2020 calls (starting in 2015)



# SME instrument



IDEA

business coaching and complimentary services

MARKET

## **Phase 1: Concept and feasibility assessment**

**Input: Idea/Concept:  
"Business Plan 1"  
(~ 10 pages)**

**Activities:**

**Feasibility of concept  
Risk assessment  
IP regime  
Partner search  
Design study  
Pilot application  
etc.**

**Output: elaborated  
"Business plan 2"**

**Lump sum: 50.000 €  
~ 6 months**

## **Phase 2: R&D, demonstration, market replication**

**Input: "Business plan  
2" plus description of  
activities under Phase  
2 (~ 30 pages)**

**Activities:**

**Development,  
prototyping, testing,  
piloting,  
miniaturisation,  
scaling-up, market  
replication,  
research**

**Output: "investor-  
ready Business plan 3"**

**0.5-2.5 M€ EC funding  
~ 12 to 24 months**

## **Phase 3: Commercialisation**

**Promote instrument as  
quality label for  
successful projects  
Facilitate access to  
private finance**

**Support via networking ,  
training, information,  
addressing i.e. IP  
management,  
knowledge sharing,  
dissemination**

**SME window in the EU  
financial facilities (debt  
facility and equity  
facility)**

**Possible connection to  
Procurement**

**No direct funding**

- Targeted at all types of innovative SMEs showing a strong ambition to develop, grow and internationalise
- Only SMEs will be allowed to apply for funding and support
- Single company support possible
- No obligation for applicants to sequentially cover all three phases; each phase open to all SMEs
- 70% funding (exceptions possible)

## Article 18(2) Regulation

[...] a dedicated SME instrument that is targeted at all types of SMEs with an innovation potential, in a broad sense, shall be created under **a single centralised management system** and shall be **implemented primarily in a bottom-up manner** via **a continuously open call** [...]

- Implemented centrally by one agency (EASME)
- Bottom-up approach within the frame of SC & LEIT  
→ each SC & LEIT defines a broad topic
- Continuously open call with around 4 cut-off dates per year

• Draft Dates:

2014		2015	
<u>Phase 1</u>	<u>Phase 2</u>	<u>Phase 1</u>	<u>Phase 2</u>
18/06/2014	09/10/2014	18/03/2015	18/03/2015
24/09/2014	17/12/2014	17/06/2015	17/06/2015
17/12/2014		17/09/2015	17/09/2015
		16/12/2015	16/12/2015

- **Coaching offered in Phase 1 and Phase 2 via the EEN:**
  - ✓ **Phase 1 – 3 coaching days**
  - ✓ **Phase 2 – 12 coaching days**
- **Coaches will drive the performance of the organization by working with the senior management team**
- **Coach suggestion provided by the EEN, but final selection by the SME**
- **Coach and SME to decide a coaching plan in Phase 1. A summary of coaching foreseen for Phase 2 will form part of application to Phase 2**
- **Coaching paid in addition to Phase 1 and Phase 2 contribution**
- **During Phase III only indirect support – EEN helping SMEs to reach out to investors, coaches, links to other support like COSME facility, etc.**

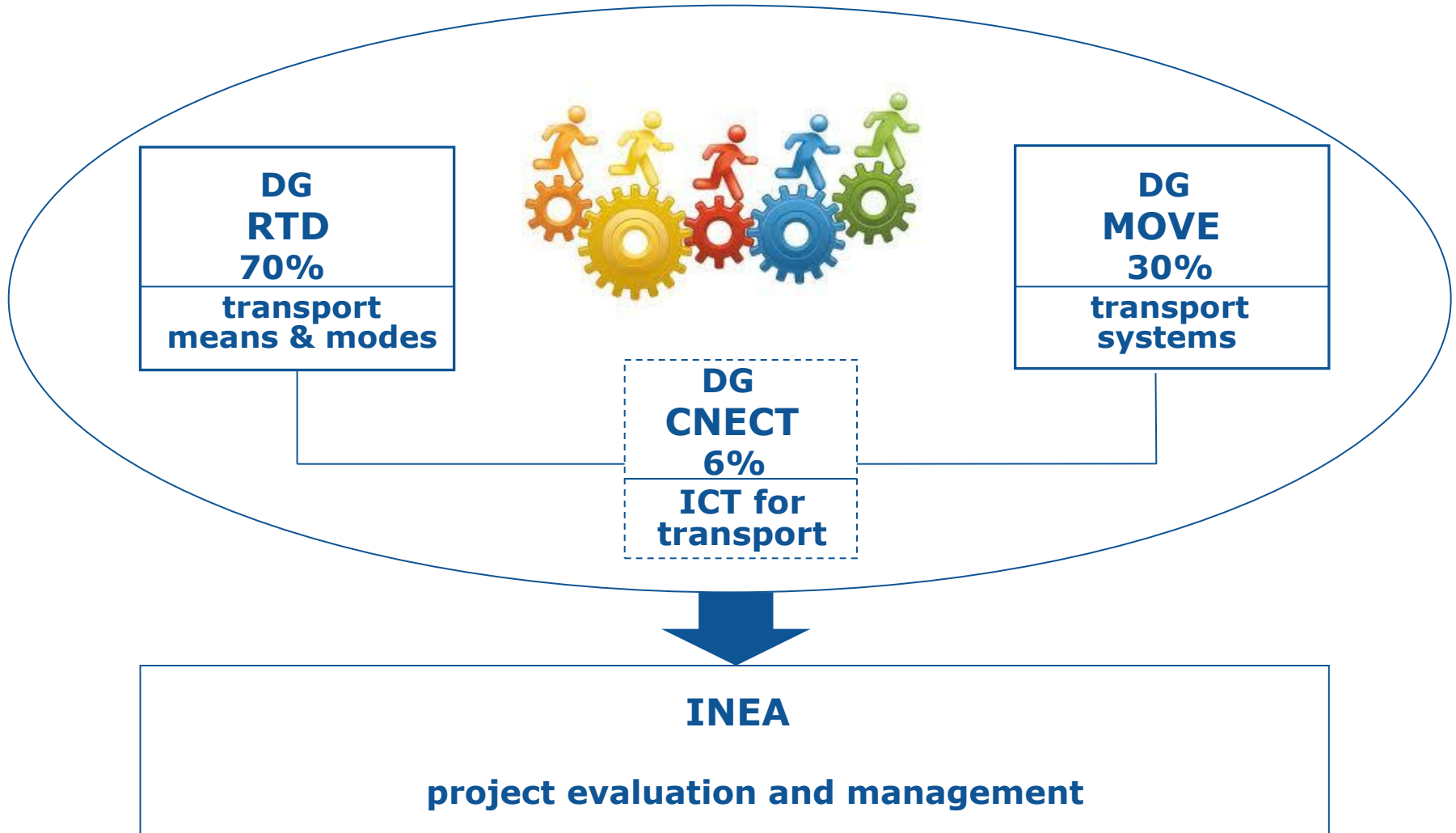
# Calls: deadlines 2014

	18 March	27 March	28 August
<b><u>Mobility for Growth</u></b>			
• RIAs + IAs stage 1	X		
• RIAs + IAs stage 2			X
• CSAs (single stage)		X	X
<b><u>Green vehicles (single stage)</u></b>			X
<b><u>SME instrument (open call)</u></b>	cut-off dates: 18 June, 24 Sept, 17 Dec		
<b><u>Fast track to innovation</u></b>	[pilot action in 2015]		

**Time to grant: max 8 months**



# Governance

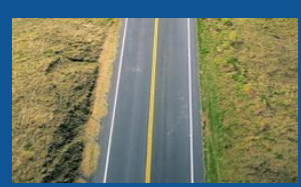


# Calendar

- Pre-publication of draft Work Programme 2014-15 ***19 November 2013***
- Formal adoption of Horizon 2020 ***3 December 2013***
- Publication of Work Programme, first calls ***11 December 2013***
- Transport Info Day in Brussels ***18 December 2013***
- Transport Info Days in the Member States ***Nov 2013 - Feb 2014***







# Thank you for your attention!

***Find out more:***

[www.ec.europa.eu/research/horizon2020](http://www.ec.europa.eu/research/horizon2020)

[www.ec.europa.eu/research/participants/portal/page/home](http://www.ec.europa.eu/research/participants/portal/page/home)

***Mark  
your  
calendar:***



**TRA**  
TRANSPORT RESEARCH ARENA

Transport Solutions:  
from Research to Deployment  
Innovate Mobility, Mobilise Innovation!

**5th conference**

Paris , 14 - 17 avril 2014