European Commission

TOWARDS A STRATEGIC TRANSPORT RESEARCH AND INNOVATION AGENDA (STRIA)

Meeting the transport stakeholders

Brussels, 23 June 2016

Research and Innovation

Energy Union Research, Innovation and Competitiveness Strategy (EURICS)

Clara de la Torre
Director
DG Research & Innovation
Transport
European Commission

The Energy Union Strategy

- Communication February 2015: 15 action points to boost the **EU energy security, sustainability and competitiveness.**

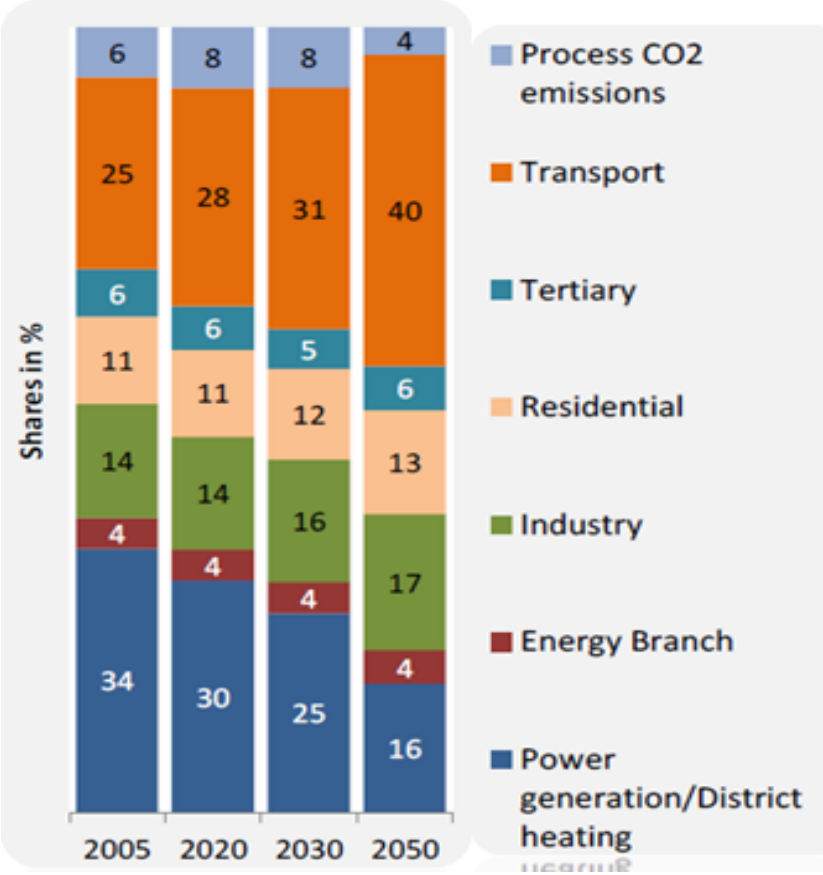
- Defines the strategy to attain the **2030 Climate & Energy targets**:
  - at least 40% GHG emissions reduction;
  - at least 27% of renewable energy consumed in the EU;
  - at least 27% improvements in energy efficiency.

- **Five mutually-reinforcing dimensions**:
  1. Energy security, solidarity and trust;
  2. A fully integrated European energy market;
  3. Energy efficiency;
  4. Decarbonising the economy;
  5. **Research, Innovation and Competitiveness (EURICS).**

- **COP 21: commitment to limit the temperature increase below 2°C (aiming at 1.5°C – baseline 1990)**

Transport: the climate challenge…

GHG emissions trends



- Transport => 33% of the final EU energy consumption (including international aviation but not international maritime);
- Depends on fossil fuel for 94% of its energy needs;
- By 2030: expected to become the largest source of CO2 emissions in the EU.

Business as usual is not an option

Source: EU Energy, transport and GHG emissions; Trends to 2050

…and the competitiveness challenge

- Growth, jobs and decarbonisation can be mutually supportive
- Competitiveness of transport sector depends on the capacity to innovate
- Well-designed climate change policies offer business opportunities in fast-growing markets (e.g.: energy efficiency targets; car-sharing; incentives; …)

The R&I component: EURICS

The Research, Innovation and Competitiveness dimension is a key enabler to realise the Energy Union vision.

- **Aims:**
  - Promote the **EU technological leadership** in innovative low-carbon technologies;
  - **Align** the EU, national and industry **R&I agendas** in areas such as energy, transport and competitiveness;
  - Maximise **the impact** of key technologies toward the achievement of the Energy Union goals.

- **Three set of actions:**
  - *Integrated SET Plan: Strategic **Energy** Technology Plan;*
  - ***STRIA: Strategic Transport R&I Agenda;***
  - *Actions to boost EU Technology and Innovation **Leadership.***

Strategic Transport R&I Agenda - STRIA

The STRIA initiative is based on **a consultation process** to:

i) identify the **options** towards low carbon transport and mobility;
ii) create **consensus** among policy makers, stakeholders and civil society.

- **Relevant technical areas**:

1. Electromobility;
2. Alternative fuels;
3. Vehicle design & manufacturing;
4. Connectivity & automation of transport;
5. Transport infrastructure;
6. Network and traffic management systems;
7. Smart transport and mobility services (incl. urban).

Timing

February 2016:	**Launch of STRIA consultation process involving civil society & experts**
May/June 2016:	**8 STRIA workshops with stakeholders**
29 September 2016:	**EURICS stakeholder event**
June/September 2016:	**Outcomes the consultation process**
November 2016:	**Communication on the R&I and competitiveness component of the Energy Union (EURICS)**
As of November 2016:	**STRIA implementation**

Towards a Strategic Transport Research and Innovation Agenda (STRIA)

Meeting the transport stakeholders

<u>Today's objectives</u>:

- *Gather your inputs;*
- *Discuss cross-cutting issues relevant for transport decarbonisation;*
- *Define priority areas for transport Research and Innovation;*
- *Share efforts towards the preparation of STRIA.*

Thank you for your attention!

We value your opinion:

RTD-TRANSPORTR&I-STRIAPROCESS@ec.europa.eu