Strategic Transport Research and Innovation Agenda - STRIA

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STRIA – the current exercise

7 initial areas examined with experts and wider stakeholder community to:

- Identify **options** towards low carbon transport and mobility and an integrated transport system;
- Identify **options** to improve the **system's performance** (safety, security, competitiveness, environmental sustainability);
- Make best use of **digitisation** and new **mobility/logistics solutions**;
- Identify need for enablers and framework conditions

Take into account <u>all</u> sectors and <u>all</u> approaches (and identify individual potentials and possible priorities);

STRIA – the future

- Create a mechanism to **ensure that STRIA roadmaps are implemented, monitored and updated**:
  - Need to enable regular exchanges of Commission on STRIA with:
    - Researchers, industry, civil society and other stakeholders
    - Member States
  - Commission is already working on a future Transport R&I Monitoring and Information System (**TRIMIS**)

STRIA – the roadmaps

Electromobility

- From framework conditions (recharging) to specific technologies (batteries, hybrid, powertrains); link to smart electricity grids

Alternative Fuels

- Renewable and non-renewable fuels; framework conditions, trade-offs and competitiveness;

Vehicle design and manufacturing

- Optimised processes, new materials and capabilities;

STRIA – the roadmaps

Connected and automated transport

- Technologies for system and vehicles /vessels;
- Data handling and cyber-security;

Infrastructure

- Enable transition to new capabilities and better system performance; better business models and lower costs for maintenance and optimisation of instrastructure;

STRIA – the roadmaps

Network and traffic management

- From better modal networks to Intelligent and dynamic cross modal / system-wide network and traffic management;

Smart transport and mobility services

- New, demand-based mobility services and logistics solutions; business models and impact on the system;
- Urban solutions.

Aim for today

- Learn about major findings from the 7 areas

- Identify common challenges and approaches

- Ask your questions and provide your ideas!