Coordinating Transport Research in Europe
European Research Area (ERA)

- The concept of the ERA was introduced in the year 2001
- Key objectives of the European Research Area are
  - a better use of scientific resources in Europe and
  - an increase of Europe’s competitiveness in general
- One approach is to reduce the fragmentation of research efforts and a better coordination of research activities at national and European level
- One element is the ERA-NET scheme (introduced in 2003)
The ERA-NET scheme

The ERA-NET scheme was designed to

- provide targeted support for the coordination and mutual opening of national research programmes and
- to establish long-term cooperation between national programmes

It is addressed to programme owners (generally ministries) and programme managers (generally agencies and research councils)

ERA-Net may include the following activities

- Systematic Exchange of Information & Best practice
- Definition and preparation of joint activities
- Implementation of joint activities
- Funding of transnational research
ERA-NET results

- Progress has been made in reducing fragmentation across the European Research Area (ERA)
- 71 ERA-NET’s are funded or have been funded by the EC through Coordination Actions
  - EC funds from the FP the network of the national representatives and the facilitation of trans-national programme and funding cooperation
  - The national ministries fund from national programme budgets the resulting trans-national research cooperations (RTD projects)
- Participation of more than 1000 programme owners and managers
- Involvement of hundreds of national research programmes
By December 2006 the ERA-NETs have implemented/planned joint calls with a total volume of more than € 500 million national research funding. Today’s estimate: > € 800 million.
ERA-NET TRANSPORT (ENT)

• ENT is a network comprising national ministries of 13 European countries that are in charge of transport research programmes.
• ENT represents a national funding volume of 300 Mio Euro p.a.
• The focus is on publicly (stimulated) policy and technology research as well as on demonstration for all transport modes.
• The ENT serves to the programme owners and managers and provides a supporting framework for the facilitation of trans-national programme cooperation.
• But, ENT does not provide funds for resulting RTD projects.
• ENT complements EU and national research:
  ➢ Facilitates trans-national cooperation where national and Community research do not provide satisfying results.
ERA-NET TRANSPORT
Geographic coverage
Transport research in Europe

National transport research programmes

EU FP

Trans-national Projects

National Projects

Trans-national Projects
ERA-NET TRANSPORT
Ongoing funding cooperation of national programmes

• **SURSHIP**
• **Intelligent Logistics**
• **KEEP MOVING**
• **Intermodal Freight Transport**
• **Tracking and tracing of dangerous goods**
• **Sleepiness at the wheel**
SURSHIP  Survivability for ships

• RTD projects on the issue of ”How to rescue people – collision, grounding and fire onboard”

• Policy-making: Supporting rule making at IMO

• 6 M€ Ongoing/Finished projects

• 7 M€ Planned projects
KEEP MOVING
Demographic Changes and Transport

• Joint Programme 2007 – 2009
• First Call „Mobility for elderly people“ in 2007
  • Volume: 3 Mio Euro
  • 28 Proposals received
• 3 Projects are in negotiation for funding
  • Senior Life Transitions – perspectives, patterns, scenarios and other issues of car use (SE, NL, AT)
  • MOVE ease – Individual location-related traffic services for elderly people in the rural area (FR, DE)
  • MedLog - Innovative supply concepts for elderly people with health care products (DE, NL)
• 2nd joint funding initiative to be launched in early 2009
INTERMODEL FREIGHT TRANSPORT

“Strengthening the position of Intermodal Freight Transportation”

- Very short and efficient preparation
- Call closed in 2007
- Volume 2,3 Mio Euro
- 5 of 12 received proposals selected for funding
- 31 participating organizations
  (enterprises, research institutes and university)
SLEEPINESS AT THE WHEEL

• Sleepiness seems to cause at least 15% of road crashes
• The two objectives of the initiative are:
  1. to understand sleepiness at the wheel
  2. to identify effective countermeasures
• A consortium composed of trans-national research teams should find common solutions to this common problem.
• Volume 1.7 Mio €
• **Call open until 15 May 2008,**
• Find more information at [www.transport-era.net](http://www.transport-era.net)
ENT from 2008 – 2010

- Establishing ENT to the third option for public RTD funding of transport research in Europe
- Intensive and extend cooperation beyond pilot level, including increased budgets for trans-national funding cooperation
- Minimum of two new trans-national programme cooperations and of one joint call per year
- Enlargement of the network - Involvement of new and associated partners from CEE countries and further countries such as Turkey
- At least one common funding cooperation between national programmes and the FP7 (ERA-Net Plus)
**ERA-NET Plus: Bridging the gap**

*Joint funding of research by national programmes and the FP7*

Field and type of public funded RTD

- Agreed Fields
- Nat./Reg. level
- ERA-NET Plus

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Variable Geometry
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FP7 EU level

Actions using public RTD funding at different levels
**Provisions for a funding cooperation between national programmes and FP7**

- **Funding Sources**
  - **Joint Call overall contribution**
    - **Top Up**
      - 1/3 EU €
    - 2/3 Joint National € (virtual or real)
  - **Selection list**
    - **Final agreed**

- **Minimum of**
  - 5 countries
  - 5 Mio € national funds
  - 5 years duration

- EC puts 1/3 of the national common pot on top
- Prevention of “juste retour” strategy through dedicated evaluation procedure
“Reduction of CO2 emissions in Transport”

• All ENT partners agree to aim at least at one ERA-Net plus action.

• There is further agreement that the political goal of “reduction of CO2 emission from the transport sector” could be suitable for such an initiative.

• It could be implemented in a threefold approach comprising technology-oriented research, policy-oriented research and demonstration (e.g. a Trans-national Green Corridor Network)
Thematic coordination between ENT and ENR

- Road technical issues
- Transport issues
- Common issues

Transport-related ERA-Nets
- ERA-NET TRANSPORT
- ERA-NET ROAD
- MARTEC
- AIR-TN
CONVERGENCE STRATEGY

• Coordinators are in contact

• Since 2006 a Memorandum of Understanding between ERA-NET TRANSPORT and ERA-NET ROAD

• ERA-NET TRANSPORT
  – introduces a „Plenary Group“ which provides a suitable forum for the convergence and
  – invites all transport-related ERA-Nets to become a member of this Plenary Group
Thank you for your attention!

ERA-NET TRANSPORT
Coordination and Secretariat
c/o
TÜV Rheinland
Research Management
T  +49 221 806 4141
info@transport-era.net

www.transport-era.net