

ERA-NET ROAD CIR

Seminarium om EU:s 7:e ramprogram
och dess möjligheter för byggsektorn
Stockholm den 10 oktober 2006

Coordination and Implementation of Road Research in Europe

European National Road Administrations have different approaches

- Some National Road Administrations are part of their Transport Ministry with relatively small interest and resources for R&D
- Others are semi-independent government bodies with freedom to finance and conduct independent R&D.
- Some are owners of an internal research unit undertaking in-house research,
- Others are research programme managers and procurers of R&D projects.

➔ **Limited coordination**

The objective of the ERA-NET scheme is to step up the cooperation and coordination of research activities carried out at national or regional level in the Member States and Associated States through:

- the networking of research activities conducted at national or regional level, and
- the mutual opening of national and regional research programmes.

- A three year programme to focus on initiation and coordination of research relating to the management and operation of the strategic road network.
- Start date 1st June 2005
- Complements ERA-NET Transport which addresses the full spectrum of transport and transport technology research, particularly policy related issues

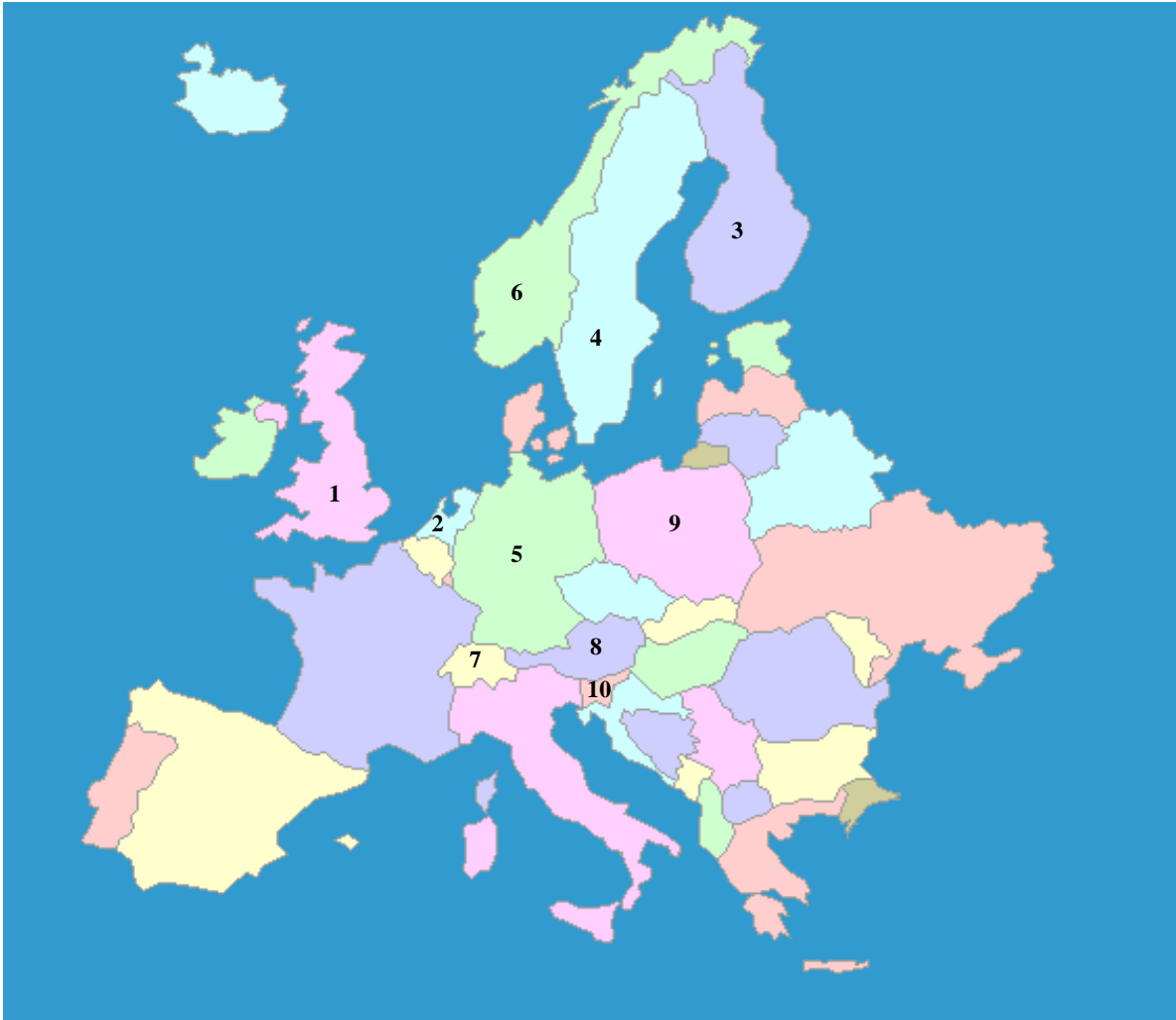
ERA-NET Road – What Success Looks Like...

By 2008 ERA-Net Road will have:

- achieved trans-national programmes
.....which are.....
- strategically planned,
- trans-nationally funded,
- leading to the mutual opening of national research programmes

Within the participating National Road Administrations it will:

- Encourage a systematic exchange of information
- Identify and analyse complementary research themes
- Implement any joint opportunities on current programmes
- Develop multinational evaluation procedures and programme management
- Develop and implement common trans-national strategies
- Disseminate the progress and achievements of ERA-NET Road

Partners:

- UK
- The Netherlands
- Finland
- Sweden
- Germany
- Norway
- Switzerland
- Austria
- Poland
- Slovenia

What are the Benefits to Expect from ERA-Net Road?

4 viewpoints to consider:

- The European Commission
- The Roads Administrations
- Research Project Managers
- The Research Industry

Benefits: The European Commission

- Retaining Europe at the leading edge of roads research
- Enhanced delivery of research to address challenges in the roads sector

Benefits: The Road Administrations

- Opportunity to identify and share best practice in developing and implementing research strategies
- Development of national research programmes informed by international experience
- Opportunity for larger projects with greater likelihood of definitive results
- Sharing of research results
- Collaborative projects can achieve better value
- Compensates for diminishing research resources
- Reduced costs of research administration and procurement activity

Benefits: Research Project Managers

- Larger, more challenging projects
- Greater availability of resources for research
- Opportunity to share international best practice in research
- Development of collaboration skills
- Gaining an international perspective
- Working alongside international experts
- Insight into other approaches and cultures

Benefits: The Research Industry

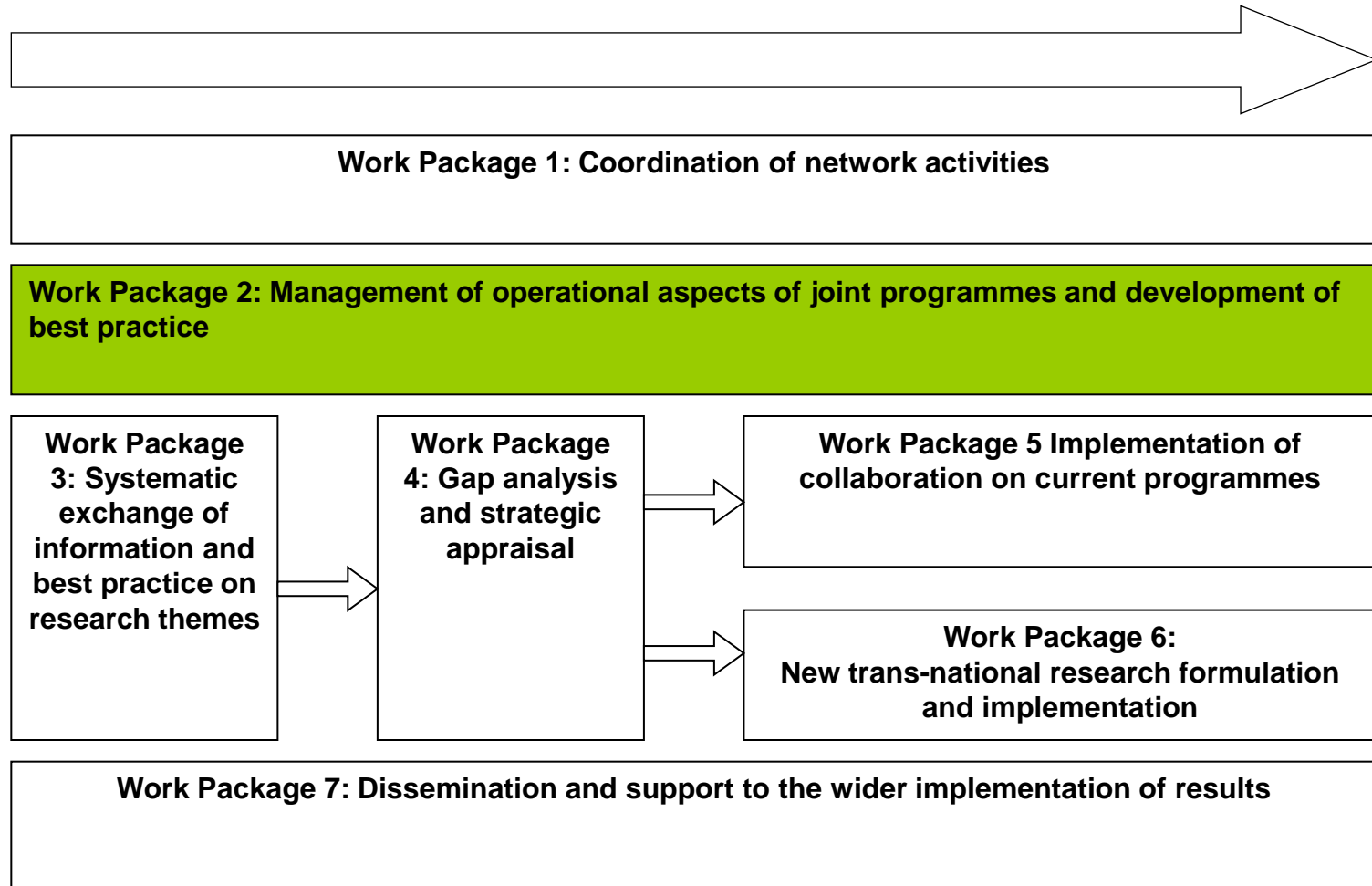
- Greater opportunity to win research contracts awarded in other countries
- Larger, more significant research projects
- Longer term projects
- Better understanding of the strategic context for research projects
- More consistent allocation of research budgets
- Collaborating clients adopt best practice research management
- Opportunities to form research consortia
- Clients achieve better value, raising the profile of research activity – virtuous circle

Successes to Date

- Collaboration mechanism for projects established-four possible collaboration models identified
- First pilot initiated
- Second pilot due for award in April 07
- Work has commenced on the final Work package (WP 6) to initiate trans-national programming
- Joint team meeting with ENT at TRA 2006

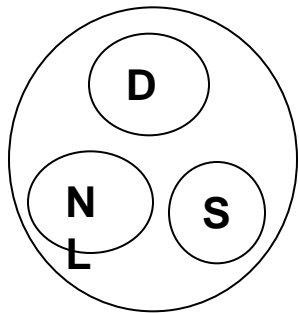
Beyond ERA-Net Road – FP7?

- Questions to consider:
- Broaden: how to involve more partners (formally and/or informally)
- How to build on relationships with ERA-Net Transport
- Deepen: how to achieve greater impact of collaboration on national research programmes
- How to involve CEDR TG Research in preparing the ground?



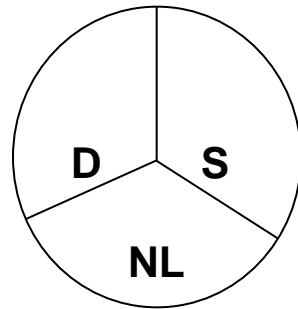
Visualization of main models:

Model A:



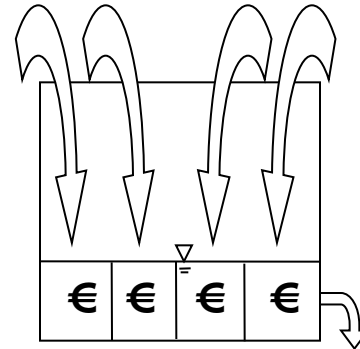
“Common programme”

Model B:



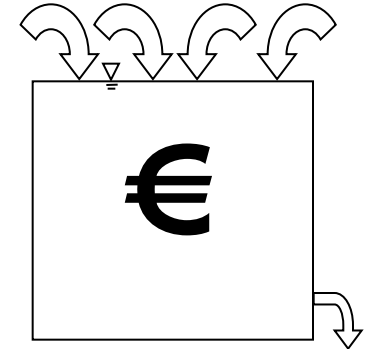
“Common project”

Model C:

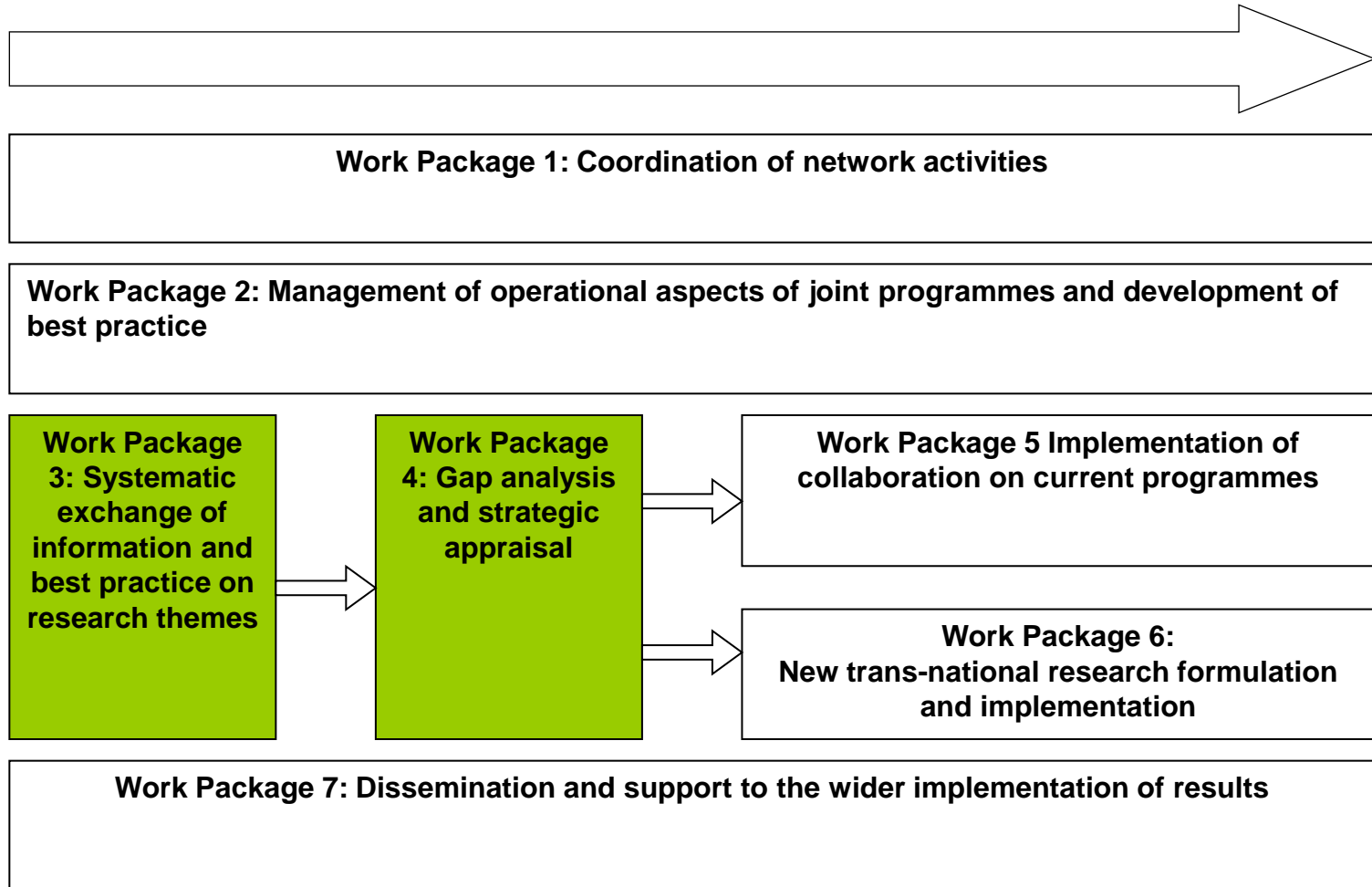


“Common obligation”

Model D:

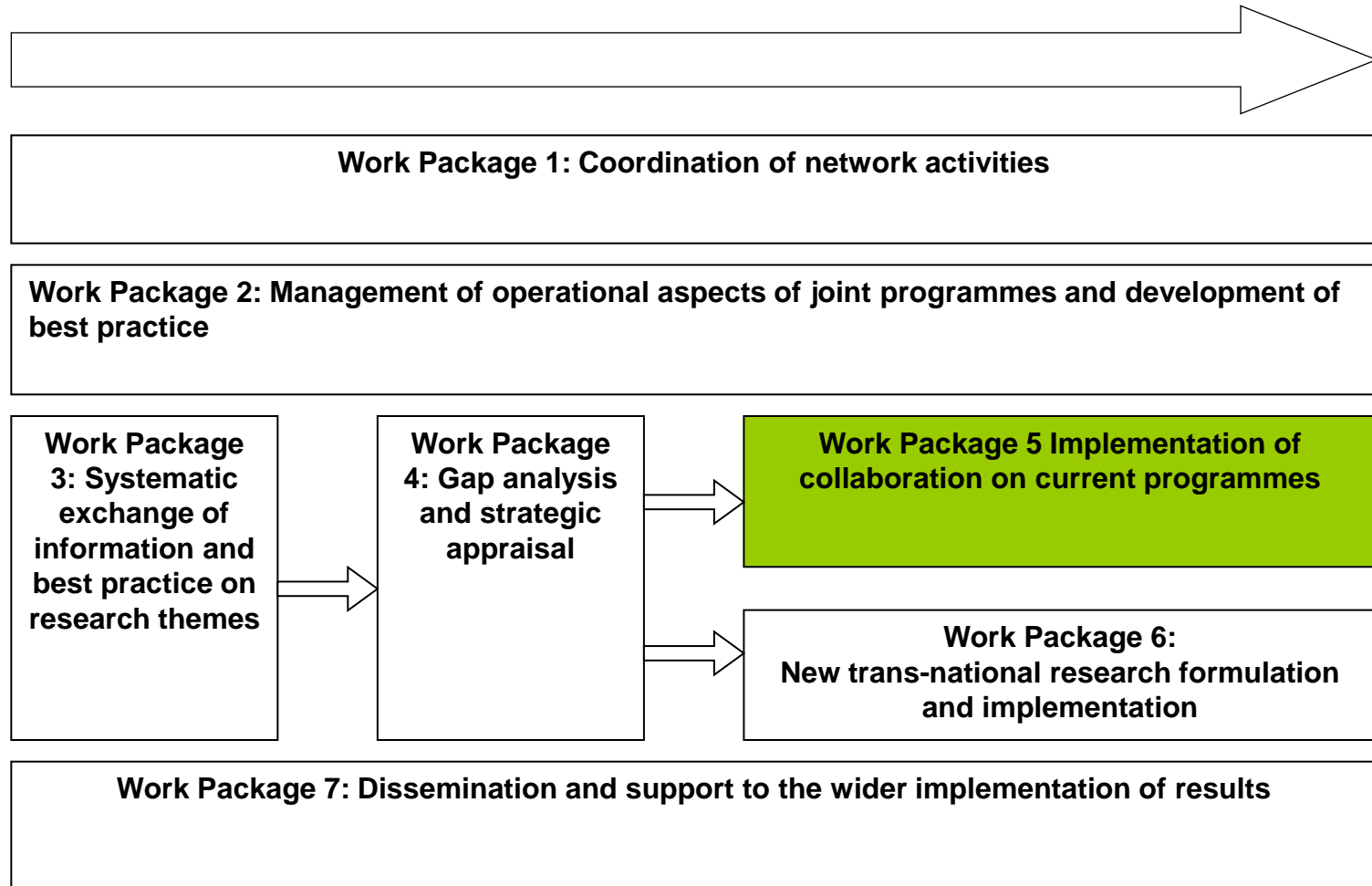


“Common pot”



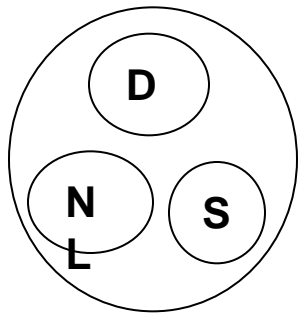
Interest in research collaboration

- Safety & security,
- Sustainability,
- Operation,
- Asset management,
- Value appraisal



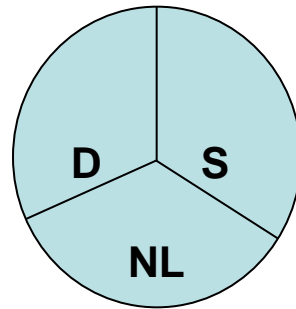
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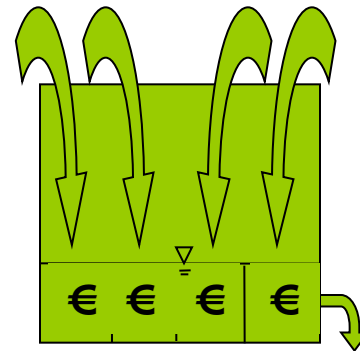
“Common programme”

Model B:



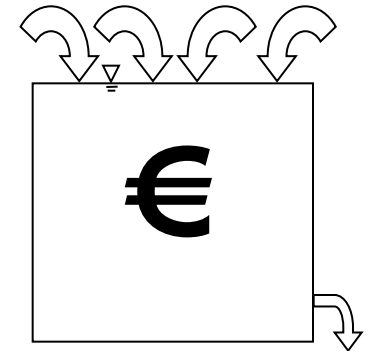
FTP1
“Common project”

Model C:



FTP 2
“Common obligation”

Model D:



“Common pot”

The first fast track pilot of ERA-NET ROAD (ENR) will be implemented as cooperation between Germany (DE), Austria (AT) and Switzerland (CH) – this cooperation is called “DACH” (=“roof”), referring to the countries’ abbreviation.

- The three countries agreed on a “Common Project” concerning long life flexible pavements.
- Every country is responsible for a part of the project.
- The national R&D programmes will fund the national contributions to the project separately.
- The project that will be done as the first fast track is called
 - **“Life-cycle analysis of open-graded asphalt pavements”**
- The lead of the project will be taken by Austria.

Exploration of the risk management of the low noise pavement during the life cycle with Interesting aspects as

- Contracting
- Construction
- Use
- Maintenance
- Recycling

The result of this project can be characterized as state of the art of best practice on above named aspects.

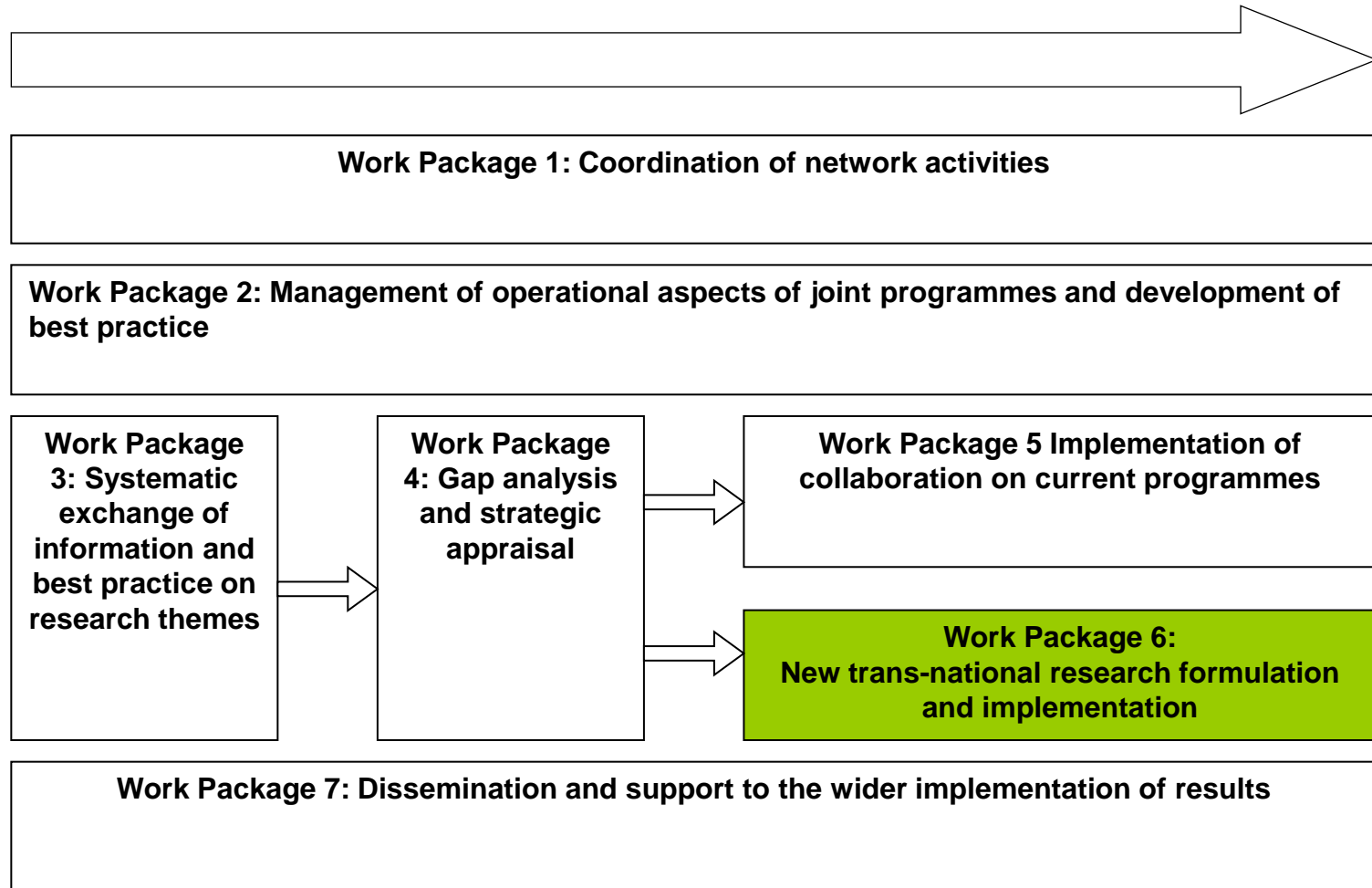
Action plan for taking forward the project

- Invite call for tenders 1 Dec 2006
- Receive Tenders in 31 Jan 2007
- Select research contractor 28 Feb 2007
- Signed contract 31 Mar 2007
- Start of the research project 1 Apr 2007
- Research report 30 Sep 2007

Outcomes from ERA-Net Road – short term

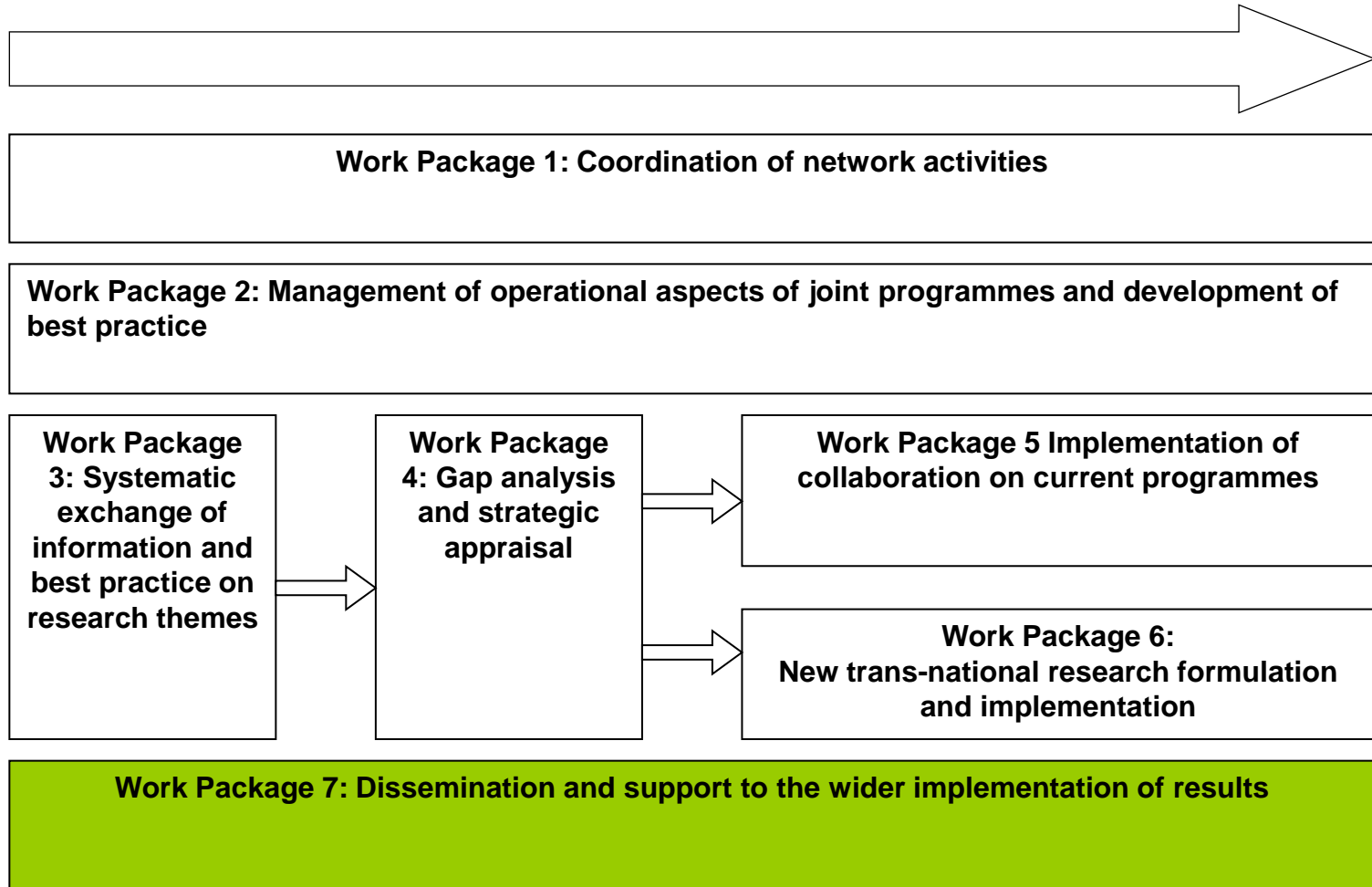
It is expected that there will be opportunities to increase collaboration through:

- Independent national projects
- Joint Projects
- Joint ongoing programmes
- Establishing new joint programmes



Work Shops (to Create New Trans-national Programmes):

1. Safe and Secure Traffic
 - *Vienna* (January 16 and 17, 2007)
2. Asset Management (incl. Value Appraisal)
 - *Warsaw* (February 6 and 7, 2007)
3. Sustainable Road Infrastructure
 - *Cologne* (February 13 and 14, 2007)
4. Operating a High Quality Transport System
 - *Stockholm* (February 27 and 28, 2007)



www.road-era.net

Thank you for your attention!