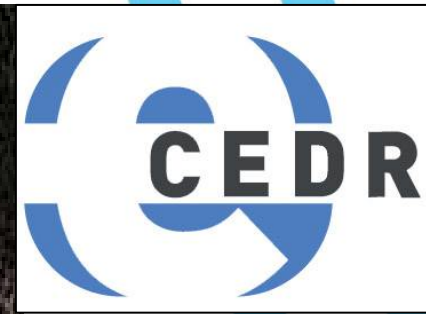


WELCOME

CEDR Transnational Road Research Programme

Call 2012 TRAFFIC NOISE



End-of-programme event
Hamburg
8/9 September 2015

Research Strategy for CEDR

- Encourage innovation
- Identify common research themes
- Encourage all CEDR members to prepare national research strategies
- Increase European collaborative road research
- Promote jointly funded research
- Disseminate the results of research

Approved by CEDR GB Oct 2010
Available on CEDR website

Background to programme

- Programmes arising from ERA-NET ROAD
(EU funded project, completed Dec 2011)
- CEDR Transnational Research Programme
- Role of Technical Group Research
- Role of Programme Manager
- Role of Programme Executive Board
- Role of CEDR Research Coordinator

Process

- Develop topics of transnational interest
 - Previous research
 - CEDR Technical Groups
 - Questionnaires to road administrations
 - Thematic Workshops
- Invite participation from European road administrations
 - Funding
 - Specialists
- Common pot model
- Fair, transparent, competitive process
- Open Call for Proposals
- No restrictions on where the funds are spent
- Focus on implementation

Trust - Understand - Commit

Overall objectives



Previous/current programmes

- Climate Change (2008)
- Road Safety (2009)
- Asset Management (2010)
- **Call 2011:**
 - Energy
 - Design
 - Mobility
- **Call 2012:**
 - Recycling
 - Climate Change
 - Safety
 - Traffic Noise
- **Call 2013:**
 - Ageing infrastructure
 - Traffic Management
 - Safety
 - Energy Efficiency
 - Roads and Wildlife
- **Call 2014:**
 - Climate Change
 - Multimodality: Freight and logistics
 - Multimodality: User needs

See CEDR website <http://www.cedr.fr/home/index.php?id=226> for further details

Progress to date

- Three-year programmes organised annually
- Responds to need of Road Directors
- 17 funding road administrations
- Total budget EUR23.6 million
- 67 projects commissioned
- 32 projects completed
- Over 100 research organisations from 22 countries

CALL 2012: Four programmes

- Recycling: Road construction in a post-fossil fuel society
- Traffic Noise: Integrating strategic noise management into the operation and maintenance of national road networks
- Safety:
 - Safety of road workers and interaction with road users
 - Use of vehicle restraint systems
- Road owners adapting to Climate Change

CALL 2012: Four programmes

- Recycling: Road construction in a post-fossil fuel society
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- Safety:
 - Safety of road workers and interaction with road users
 - Use of vehicle restraint systems
- Road owners adapting to Climate Change

Call 2012: Traffic Noise Programme

Objective: To integrate strategic noise management into the operation and maintenance of national road networks in a holistic manner.

➤ Holistic approach to the management of environmental noise issues by developing a range of **technical** and **economical** solutions to minimise vehicular noise emissions by examining four sub-themes:

- Noise assessment and management strategies
- Noise mitigation measures integrated with national roads
- Future visions for the management of noise on national road networks
- Strengthening/developing holistic pavement management



Call 2012: Traffic Noise Programme

- Funded by Belgium (Flanders), Germany, Ireland, Norway, Sweden, UK
- Objective: To integrate strategic noise management into the operation and maintenance of national road networks in a holistic manner
- Total budget **EUR 0.950million**



Programme Executive Board Members

Party	PEB member	Deputy PEB member	
AWV, Belgium/Flanders	Barbara Vanhooreweder	Dirk Van Troyen	
BASt, Germany	Wolfram Bartolomaeus		
NRA, Ireland	Vincent O'Malley	Christian Nea	
NPRA, Norway	Helena Axelsson		
Trafikverket, Sweden	Lars Dahlbom	Jan Skoog	
Highways England	Ian Holmes	Jo Morphet	

Call 2012: Traffic Noise Programme



2011	2012	2013	2014	2015
<p>Thematic Workshop</p> <p>Development of DORN</p>	<p>Call for proposals published May 2012</p> <p>Call closed July</p> <p>8 proposals received</p> <p>Two project: FOREVER QUESTIM</p> <p>First PEB meeting 25 Sept 2012</p> <p>Contracts signed Dec 2012</p>	<p>Supplementary Call: May 2013</p> <p>Two projects – DISTANCE ON-AIR</p> <p>Two PEB meetings</p>	<p>Two PEB meetings</p>	<p>PEB meeting in March</p> <p>Final Conference</p>

Four projects commissioned

FOREVER: Future operational impacts of Electric Vehicles on national European Roads

Consortium Leader: Phil Morgan, TRL, UK

Consortium members: AIT,AT; Ifsttar,FR; TCD,IE; UoBath,UK

Start: Jan 2013 Duration: 24 months

Project Manager: Ian Holmes, UK

Website: <http://forever.fehrl.org/>



QUESTIM: Quietness and economics stimulate infrastructure management

Consortium Leader: Gijsjan van Blokland, M+P, Netherlands

Consortium members: TRL, UK; Muller-BBM, DE; Aalto, FI

Start: Jan 2013 Duration: 18 months

Project Manager: Barbara Vanhooreweder

Website: www.questim.org



Four projects commissioned

DISTANCE: Developing innovative solutions for traffic noise control in Europe



Consortium Leader: Luc Goubert, BRRC, Belgium

Consortium members: SINTEF; TRL,UK; ANAS, Italy

Start: Oct 2013 Duration: 22 months

Project Manager: Helena Gabriella Axelsson, Norway

Website: <http://distanceproject.eu/>

ON-AIR: Optimised noise assessment and management guidance for National Roads

ON-AIR

Consortium Leader: Hans Bendtsen, DRD, Denmark

Consortium members: Institute of Transport Economics, NO;

Lärmkontor, DE

Start: Nov 2013 Duration: 24 months

Project Manager: Wolfram Bartolomaeus, Germany

Website: <http://www.on-air.no/>

Conference Programme

Tuesday 8th of September 2015

- 13.00 Welcome and introduction
Vincent O'Malley, Chair, Programme Executive Board
- 13.15 Transnational Research and the future for road traffic noise
Steve Philips, Director General, CEDR
- 13.45 Project presentation – FOREVER
Phil Morgan, TRL
- 14.30 Coffee/tea Break
- 15.00 Noise barriers and standards for mitigating noise
Jean-Pierre Clairbois, A-tech-acoustictechnologies
- 15.30 Project presentation – QUESTIM
Gijsjan van Blokland, M+P
- 16.15 Coffee/tea Break
- 16.45 Project presentation – ONAIR
Sebastian Eggers, LÄRMKONTOR GmbH
Jakob Fryd, Danish Road Directorate
- 17.30 Project presentation – DISTANCE
Luc Goubert, Belgium Road Research Centre
- 18.30 Dinner

Programme Day 2

9.00 An NRA approach to utilizing outputs from the 2012
Noise Research Call? *Ian Holmes*

9.45 Introduction to the workshop session -*Vincent O'Malley*

10.00 Coffee/Tea Break

10.30 Workshop sessions and preparation of workshop results

12.00 Break

12.15 Workshops results and closing remarks - *Vincent
O'Malley*

Workshops

1. How will the findings of the presented projects reflect the current best practice in the field of road traffic noise?
2. What is the potential for the implementation of the findings of the four projects across member states?
3. What are the synergies between the findings of the projects?
4. Are the projects offering a basis for new meaningful research and demonstration projects?