

WELCOME TO

FEHRL

FEHRL, the Forum of European National Highway Research Laboratories, has been contributing to enhancing the vitality and recognition of Europe's road systems since 1989. Today, FEHRL is recognised worldwide as a key centre of expertise for road research.



Innovation for roads

Roads are the lifeblood of modern society, but struggle to meet demands and expectations on reliability, availability, maintainability, safety, environment, health and cost.

FEHRL's role is to provide solutions for the challenges now faced and anticipate the challenges to come.

These solutions are based on advice for implementation provided by the research we carry out with our partners.

FEHRL encourages joint research among institutes and laboratories in the field of road engineering, covering topics such as mobility, transport and infrastructure, energy, environment and resources, safety and security as well as design and production.

ABOUT FEHRL

► WHO WE ARE

FEHRL – the Forum of European National Highway Research Laboratories – is an international association comprising more than 40 national research/technical centres. Associates from non-European countries provide FEHRL with strong links to the considerable research capacity available globally (FEHRL members are listed on the back page).

► OUR MISSION AND OBJECTIVES

FEHRL's mission is to promote and facilitate collaboration on road research and provide high-quality information and advice on technologies and policies related to roads. Staff from the national institutes provide the technical input for all projects. Through the specification and delivery of research, FEHRL's main objectives are to:

- Provide scientific input to European and national government policy on road engineering and road transport matters.
- Create and maintain an efficient and safe road network in Europe.
- Increase innovation in European road construction and road-using industries.
- Improve the energy efficiency of road engineering and operations.
- Protect the environment and improve the quality of life.

► HOW WE WORK

FEHRL is directly governed by the General Directors of the national road research institutes and laboratories. Together they set the strategy of the Association. The Research Coordinator from each institute is responsible for developing collaborative research activities.



Research capacity is provided by the national institutes and makes use of the wide range of test facilities available to them.

FEHRL Groups have been formed to improve the sharing of knowledge and increase access to research, thus supporting the national road institutes in their role. The Groups are open to research organisations, contractors and road authorities and provide FEHRL with national views on relevant issues, as well as serving as a tool to communicate FEHRL's views to the road engineering community.

FEHRL is an active member of ERTRAC (European Road Transport Research Advisory Council), ECTP (European Construction Technology Platform) and ECCREDI (European Council for Construction Research, Development and Innovation) and has close relationships with many other organisations.

► KNOWLEDGE

To support FEHRL's extensive portfolio of activities, the Knowledge Centre at www.fehrl.org is key to providing information to members and major stakeholders. This multilingual internet platform is an effective link between road research activities at European level and the implementation at local level.

In addition, FEHRL coordinates the publication of research results from its projects and has organised numerous research conferences and seminars, including the European Road Research Conferences (ERRC) and their evolution into the Transport Research Arena (TRA).

Staff and their technical and management skills are the principal resource for delivering results. For this reason, FEHRL continues to invest in people and expertise through continuous training. For example, FEHRL organises on a yearly basis an International Project Management (IPM) programme to train research project managers and coordinators.

FEHRL regularly hosts secondees in Brussels. The primary aim is to familiarise them with European research management requirements, as well as to give them the opportunity to meet with colleagues from key organisations.

OUR STRATEGIC ROAD RESEARCH PROGRAMME

Since 1993, FEHRL has developed an ongoing Strategic Road Research Programme (SERRP) defined by a series of detailed implementation plans. SERRP I was launched to ensure that many of FEHRL's research topics were pursued with the assistance of the EU RTD Framework Programme and the COST Programme. This was followed by the preparation of SERRP II and III in consultation with the Conference of European Directors of Roads (CEDR) – one of FEHRL's main stakeholders – and the industry. This longer-term approach was adopted in SERRP IV for 2006-2011. SERRP IV was also a major part of FEHRL's contribution to our key stakeholders, ERTRAC and ECTP.

FEHRL has just finalised SERRP V, which details research activities for 2011-2016. SERRP V has a consistent and holistic approach, giving more emphasis than previously to multi-modality. A major part of SERRP V will be the Forever Open Road programme.



►FOREVER OPEN ROAD

FEHRL has set itself the challenge to develop a truly inspiring vision for how roads will be built and maintained in the 21st century. The result is the Forever Open Road – a revolutionary concept that will bring together the best of what we have today with the best of what is to come, and produce the fifth generation road. A road that is adaptable, automated and climate change resilient, based upon a concept for building and maintaining roads that can be applied whether motorway, rural or urban, and regardless of region or country.

The Forever Open Road will tackle global challenges such as climate change, carbon reduction, energy saving, as well as the increasing need for journey time reliability in response to rising demand both for private car travel and the delivery of goods by road. At the same time, it will help meet European goals to provide transport infrastructure that is safe and secure; cleaner, quieter and more energy efficient; highly competitive and sustainable; provides enhanced mobility and is based on optimised, efficient seamless systems. See www.foreveropenroad.eu for more information.

FOREVER OPEN ROAD
Redefining Highway Transport for the 21st Century



►SOME ONGOING PROJECTS

- DETRA - Developing the European Transport Research Alliance (detra.fehrl.org)
- DIRECT-MAT - Dismantling and REcycling Techniques for road MATerials (direct-mat.fehrl.org)
- EUTRAIN - European Transport Research Area International cooperation activities
- HEROAD - Holistic Evaluation of Road Assessment (www.fehrl.org/heroad)
- OPTIMISM - Optimising Passenger Transport Information to Materialise Insights for Sustainable Mobility
- PILOT4SAFETY - Pilot Project for common EU Curriculum for Road Safety experts: training and application on Secondary Roads (pilot4safety.fehrl.org)
- RE-ROAD - End of life strategies of asphalt pavements (re-road.fehrl.org)
- SAFIER - Support action for implementation of ERTRAC's road transport research priorities
- SMARTRAIL - Sustainable Maintenance and Analysis of Rail Transport Infrastructure
- SPACE - Speed Adaptation Control by Self Explaining Roads (www.fehrl.org/space)
- TRA 2012 - Support to the Transport Research Arena 2012 in Athens, Greece
- TRIMM - Tomorrow's Road Infrastructure Monitoring and Management

OUR MEMBERS

	AIT, Austria www.ait.ac.at with TUW		IFSTTAR, France www.ifsttar.fr		TECER, Estonia www.tecer.eu
	ANAS, Italy www.stradeanas.it with UNIFI		IGH, Croatia www.igh.hr		TRL, United Kingdom www.trl.co.uk
	BASt, Germany www.bast.de		INRR, Luxembourg		VTI, Sweden www.vti.se
	BRRC, Belgium www.brrc.be		IP, Serbia www.highway.rs		VUD, Slovakia www.vud.sk with University of Žilina
	CDV, Czech Republic www.cdv.cz		KEDE, Greece with NTUA		ZAG, Slovenia www.zag.si
	CEDEX, Spain www.cedex.es		KTI, Hungary www.kti.hu		
	CESTRIN, Romania www.cestrin.ro		LAVOC, Switzerland lavoc.epfl.ch		
	CIRTNENS, Bulgaria www.crbl-bg.net		LVCELI, Latvia www.lvceli.lv		
	Derzhdor NDI, Ukraine www.dorndi.org.ua		LNEC, Portugal www.lnec.pt		CSIR, South Africa www.csir.co.za
	DRI, Denmark www.roadinstitute.dk		NPRA, Norway www.vegvesen.no		INRC, Israel www.iroads.co.il
	IBDiM, Poland www.ibdim.edu.pl		NRA, Ireland www.nra.ie with UCD & TCD		TFHRC-FHWA, USA www.tfhrc.gov
	ICERA, Iceland www.vegagerdin.is		RWS - DVS, Netherlands www.rws.nl/wegen with TNO & TUD		Blvd de la Woluwe 42 /B3 1200 Brussels, Belgium www.fehrl.org info@fehrl.org

OUR ASSOCIATES

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