New Road Construction Concept (NR2C)

Fact Sheet

Project Information

NR2C

Grant agreement ID: 505831

Funded under
FP6-SUSTDEV

Start date
1 December 2003

End date
30 November 2007

Overall budget
€ 5

EU contribution
€ 2

Coordinated by
LABORATOIRE CENTRAL DES PONTS ET CHAUSSEES

France

Objective

European countries contain a large amount of surface transport infrastructure, which sometimes appears inappropriate to meet societal demands. Road-building techniques have developed slowly, due to a limited number of significant technical breakthroughs, poor coordination among stakeholders and a focus directed primarily on resolving current problems. No global European road concept has yet come to the fore; the upcoming enlargement of the European Union should heighten the acute need for a sustainable integrated European surface transport network. Road-related budgets have been steadily decreasing while user expectations become more demanding and contradictory: increased transit capacities, higher safety levels, pollution mitigation (sound, air), aesthetic integration. Creating a global vision for the road of the future and confronting both technological and societal problems within a single research process have thus taken on urgency; such is the objective behind the NR2C proposal. Based on a large survey among road stakeholders, this project is aimed at selecting safe, environment-friendly and subtle concepts in order to strike a compromise between reduced global construction/maintenance costs, safety and environmental criteria. A number of innovations targeted for different social and
environmental criteria. A number of innovations targeted for different social and geographical environments will be selected to achieve pilot applications in support of a long-term perspective. NR2C will consider urban and interurban areas as well as needs specific to Western and Central Europe; bridges, considered as single network nodes, will be studied separately. FEHRL (Forum of European National Highway Research Laboratories) will perform a decisive clustering role in addition to conducting major dissemination actions. Moreover, the management function will be given special attention via a dedicated work package. Special efforts will be made to avoid duplication with ongoing projects backed by either previous FPs or other European and international bodies.

Programme(s)

Topic(s)

Call for proposal

FP6-2002-TRANSPORT-1

Funding Scheme

STREP - Specific Targeted Research Project

Coordinator

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| ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE                                  | Switzerland | Ecublens  
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| MSC MAGYAR SCETAPROUTE LTD ENGINEERS AND CONSULTANTS                      | Hungary   | Hungaria Krt 113   
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| OPZOEKINGSCENTRUM VOOR DE WEGENBOUW                                       | Belgium   | Bd De La Woluwe 42   
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| AUTOSTRADE PER L' ITALIA S.P.A.                                           | Italy     | Via A. Bergamini 50   
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