



Innovation policy, information society, telecommunications

“Mobility and Transport Technologies” The Third Transport Research Programme of the German Federal Government

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Dresden, 18 October 2008

www.bmwi.de





Overview

1. Background and challenges
2. Objectives, structure, and contents of the new programme
3. Funding of research and technology by the BMWi
4. Current and planned funding activities
5. „Mobility and Transport Technologies“ and „Predit 4“



1. Background and Challenges

1. Safeguarding growth and employment
2. Climate protection and provisions for affordable mobility
3. Shaping mobility in the face of demographic change
4. Managing the strong growth in freight transport
5. Preservation and expansion of the transport infrastructure
6. Personal safety and environmental protection
7. Civil security and hazard prevention

2. Objectives, Structure, and Contents of the new Programme

Objectives

- ▶ create sustainable mobility, i. e. align mobility with the long-term conservation of the environment, while taking account of economic development and social requirements
- ▶ improve the capacity, efficiency, safety and usability of the transport system and, as a result
- ▶ increase our competitiveness at an international level in order to safeguard and create employment in the transport sector



2. Objectives, Structure, and Contents of the new Programme

- ▶ **Structure and contents: five Federal Ministries involved**
 - ▶ Economics and Technology (BMW_i)
 - ▶ Transport, Building and Urban Affairs (BMVBS)
 - ▶ Education and Research (BMBF)
 - ▶ Environment, Nature Conservation and Nuclear Safety (BMU)
 - ▶ Food, Agriculture and Consumer Protection (BMELV)
- ▶ **Budget**
 - ▶ All Federal Ministries together: approx. 300 mill. euro for the period 2007-2011
 - ▶ BMW_i: increase from 52 mill. euro in 2007 to 57 mill. euro in 2011
- ▶ **Part of strategies of the Federal Government**
 - ▶ High-tech Strategy for Germany
 - ▶ Integrated Energy and Climate Programme, e. g. electric mobility

3. Funding of Research and Technology by the BMWi

Three pillars

- ▶ Intelligent logistics
- ▶ Mobility of people in the 21st century
- ▶ Intelligent infrastructure



3. Funding of Research and Technology by the BMWi

Intelligent Logistics

- ▶ Increasing efficiency and environmental protection for transport by rail, road and waterway
- ▶ Reducing bottlenecks at logistical hubs
- ▶ Transport optimisation through cooperation and integration
- ▶ Maintaining affordable logistical safety



3. Funding of Research and Technology by the BMWi

Mobility of people in the 21st century

- ▶ Development of sustainable mobility solutions
- ▶ Safe travel
- ▶ Environmental protection and noise control



3. Funding of Research and Technology by the BMWi

Intelligent infrastructure

- ▶ Creating free flow with intelligent transport systems
- ▶ Efficient and effective rail transport
- ▶ Building and maintaining routes for the future





4. Current and Planned Funding Activities

- ▶ Sub-programme „VM 2010: Traffic Management 2010“
 - ▶ running, www.vm2010.de
- ▶ Major project „AKTIV: Adaptive and Cooperative Technologies for Intelligent Traffic“
 - ▶ running, www.aktiv-online.org
- ▶ Sub-programme „Intelligent Logistics“
 - ▶ running, www.intelligente-logistik.org
- ▶ Sub-programme „ISETEC II: Innovative Seaport Technologies“
 - ▶ begun, www.isetec-2.de
- ▶ Major project „SIM-TD: Safe Intelligent Mobility – Test Field Germany“
 - ▶ in preparation





5. „Mobility and Transport Technologies“ and „Predit 4“

- ▶ Common annex to both national transport research programmes

- ▶ Joint objectives
 - ▶ Development of common standards
 - ▶ Support for suitable project consortia
 - ▶ Harmonisation of research strategies
 - ▶ Shaping the European Research Area