

Cross Border Cooperation - The Netherlands meets North Rhine-Westphalia



Gefördert durch:



Bundesministerium
für Verkehr, Bau
und Stadtentwicklung

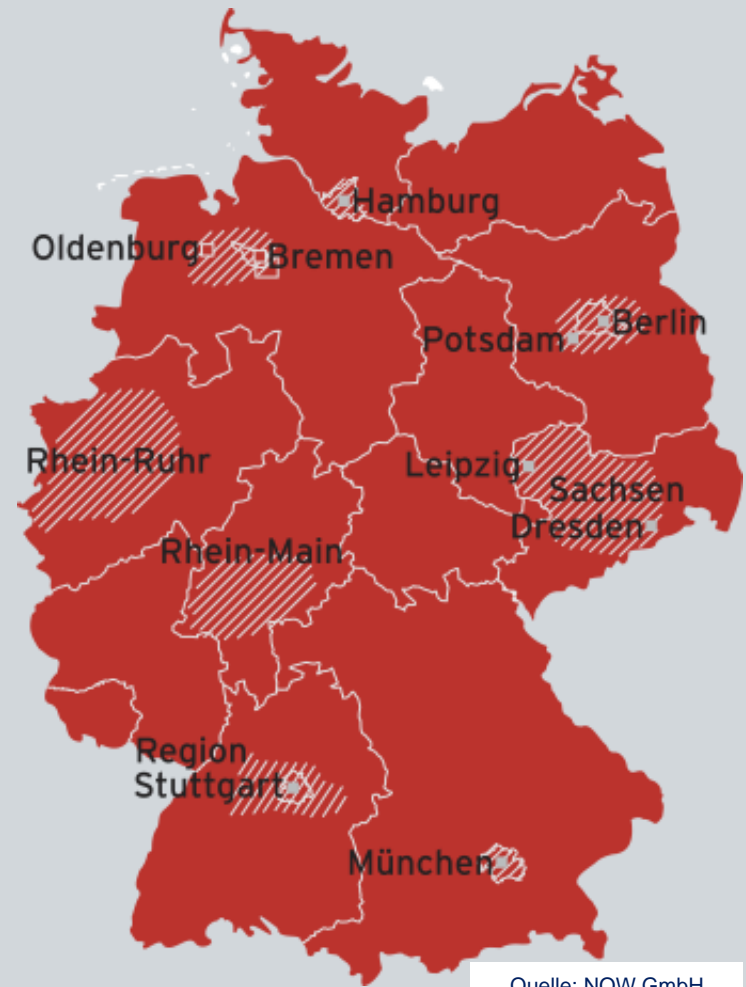
aufgrund eines Beschlusses
des Deutschen Bundestages

Model Region Program Electric Mobility

Objectives:

- Demonstrate and evaluate technical status of current electric mobility (vehicles, recharging, infrastructure, grid access,....)
- Perform field trials and gain experiences with electric mobility in every day use (acceptance, obstacles, motivations,...)
- Test intermodal transportation solutions
- Benchmark BEV in different applications

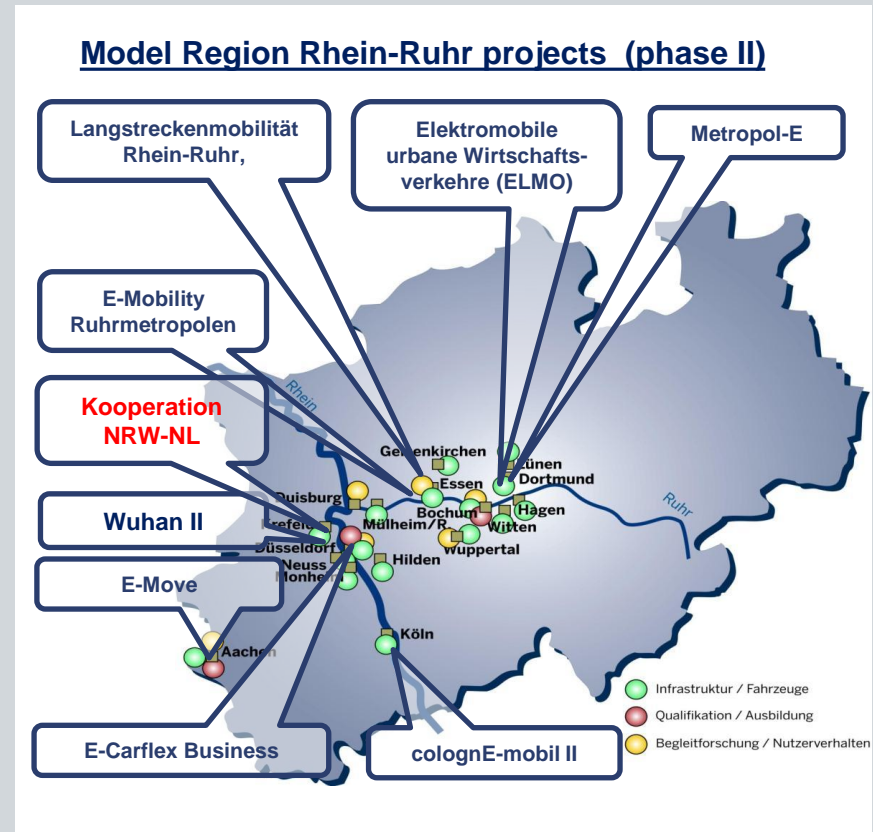
The demonstration program should guide further R&D programs and give first robust indications of today's electric mobility technology



Model Region Rhein-Ruhr

Phase II: 2012-2015

- 11 Projects with a budget of 47 Mio. €
- 450 electric vehicles planned
- 400 additional charging points planned
- Focus areas:
 - Public transport
 - Living and mobility in urban areas (intermodal transport systems)
 - Commercial fleet operations
 - **EU and international cooperations**



International cooperation between the Netherlands and North Rhine-Westphalia

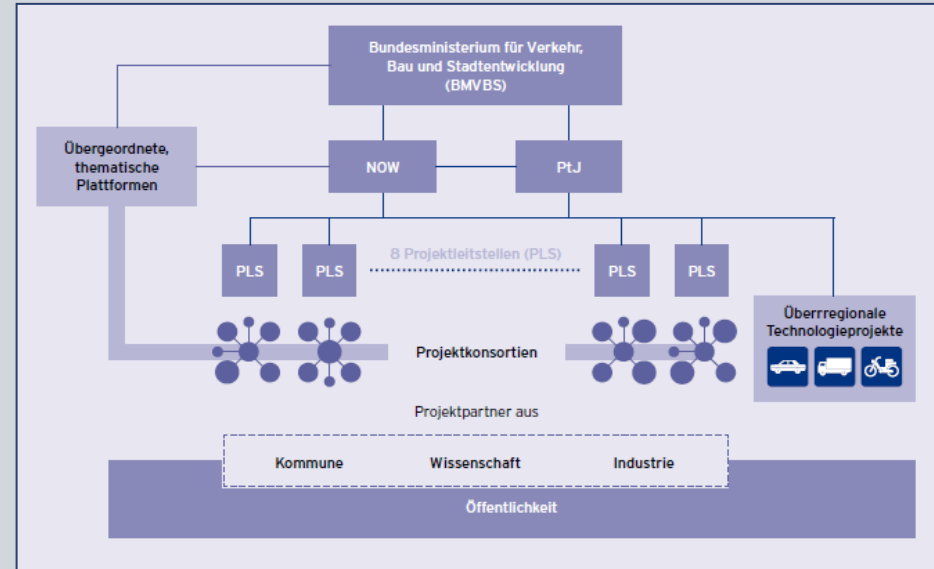
Objectives:

- Buildup of an intensive partnership between NL and NRW in the field of electric mobility
- Exchange of information and experiences
- Coordination of standards
- Initiation of cross border projects



Cooperation of different players

- Coordination of federal government and 8 model regions in strategic meetings
- Implementation of accompanying research (environment, acceptance, security, etc.)
- Model region partner´s cooperate within **specific topics / platforms**
- Coordination within the model region through project meetings and project leader meetings



Source: NOW GmbH

Topics of cooperation

- **User perspective**
- **Regulatory framework**
- **Infrastructure**
- **Innovative drive and vehicles**
- **Business models**
- **Safety**
- **City and traffic planning**



Agentschap NL
*Ministerie van Economische Zaken,
Landbouw en Innovatie*



User perspective

Content:

- Identification of demands, needs and wishes of electric mobility users
- Three focus areas:
 - Commercial users
 - Integrated mobility users with electric vehicles in sharing concepts
 - Private users



Source: Ford-Werke GmbH



Source: SWD

Regulatory framework

Content:

- Identification of regulatory lacks for electric mobility and solution approaches
- Harmonisation of standardisation

Planned Results:

- Development of standard and legal procedures on local and privat level
- Finding of best practices

Infrastructure

Content:

- Gathering and evaluation of expertise for the buildup of infrastructure for municipalities, utilities and power supply companies

Planned results

- Catalogue of minimum requirement of charging infrastructure
- Technical roadmap: charging infrastructure



Source: RWE Effizienz GmbH



Source: RUB

Innovative drive and vehicles

Content:

- Research of fuel consumption (busses and passenger cars)
- Analysis of stage of development and evaluation of new vehicles (passenger car and busses)
- Integration of new technologies (innovative charging technology)
- Minimal set of data to be recorded and analysed



Source: BOGESTRA



Source: SWK

Business models

Content:

- Identification of new fields of application and new users
- Possible business models for electric mobility

Safety

Content:

- Exchange about safety regulations for battery lifecycle
- Analysis of cause and effects of failures and breakdowns
- Exchange of the influence of electric vehicle to traffic safety (missing engine noise)



Source: www.sueddeutsche.de

City and traffic planning

Content:

- Development of competences on municipal level to raise local awareness of electric mobility.
- Integration of electric mobility in climate and mobility concepts as well as city planning

Questions:

What is the motivation for cities to promote electric mobility?



Source: Ford-Werke GmbH



Source: world wide web

Next step

Workshop, 1st half of October

Set up of seven working groups, one to each topic

- 1 • Presentation of status quo in North Rhine-Westphalia by experts
- 2 • Presentation of status quo in the Netherlands by experts
- 3 • Discussion: What are the differences / similarities in both countries?
- 4 • Workshop: How can we cooperate / exchange data?
- 5 • Development of recommendations / cross border project ideas

Next step

Working group participation

If you are interested in joining one of the working group, you can:

- Visit us on our booth and put your business card under the respective topic or
- Contact Gé Huismans or me here directly or
- Send us an email

We will get in contact with you!



The Netherlands meets
North Rhine-Westphalia

Infrastructure

Content: Gathering and evaluation of expertise for the buildup of infrastructure for municipalities, utilities, power supply companies.

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Thank you for your attention

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