



With Cycle Highways into the future of the mobility in the State of North Rhine- Westphalia

Ulrich Malburg



Content

- 1. Planning Competition for Cycle Superhighways**
- 2. Cycle Superhighway „Radschnellweg Ruhr“ (RS1)**
- 3. Change of the law**
- 4. Future prospects**

North Rhine-Westphalia (NRW)

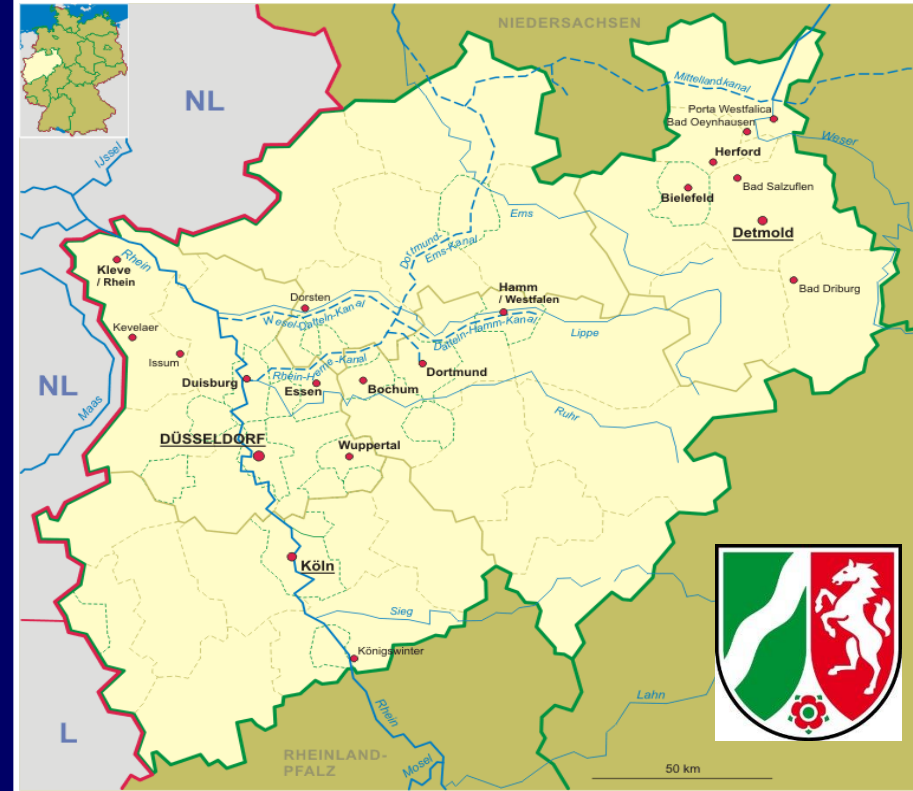
Ministry of Building, Housing,
Urban Development and Transport
of the State of North Rhine-Westphalia



GERMANY



NORTH RHINE-WESTPHALIA





Content

1. Planning Competition for Cycle Superhighways

Aims of the Competition



Superior Aims

- ✓ Promotion of the local mobility, especially the cycle-traffic
- ✓ Promotion of the everyday cycle-traffic on medium distances
- ✓ Encouragement for discussions within the municipalities about Cycle Superhighways
- ✓ Exemplary projects to other municipalities
- ✓ Promotion of municipality Co-operation

Precise Aims

- ✓ Five concepts on Cycle Superhighways in North Rhine-Westphalia, whose planning is possible by a promotion of the state of NRW

Criteria of the competition



- Length of at least 5 kilometres
- Privileging and grade separated steering at junctions as far as possible, priority through light-signal systems (synchronised traffic lights)
- Separation between Pedestrian and Bicycle-Traffic
- Small gradients
- Bicycle Sign Posting
- Lightning in cities (desirable also in the countryside)
- Regular street-cleaning and winter services
- Keeping free of obstacles
- Services (such as bicycle tire inflator, rest areas with bicycle parking facilities, rain shelters along the way, etc.)

Results of the competition



- ✓ 8 contributions with the participation of 33 communities from all over North Rhine-Westphalia
- ✓ route length from 8 to 45 kilometres
- ✓ urban and rural area
- ✓ estimated costs: from 300 k€ to 800 k€ per kilometre
- ✓ expected criteria largely fulfilled

Results of the Competition

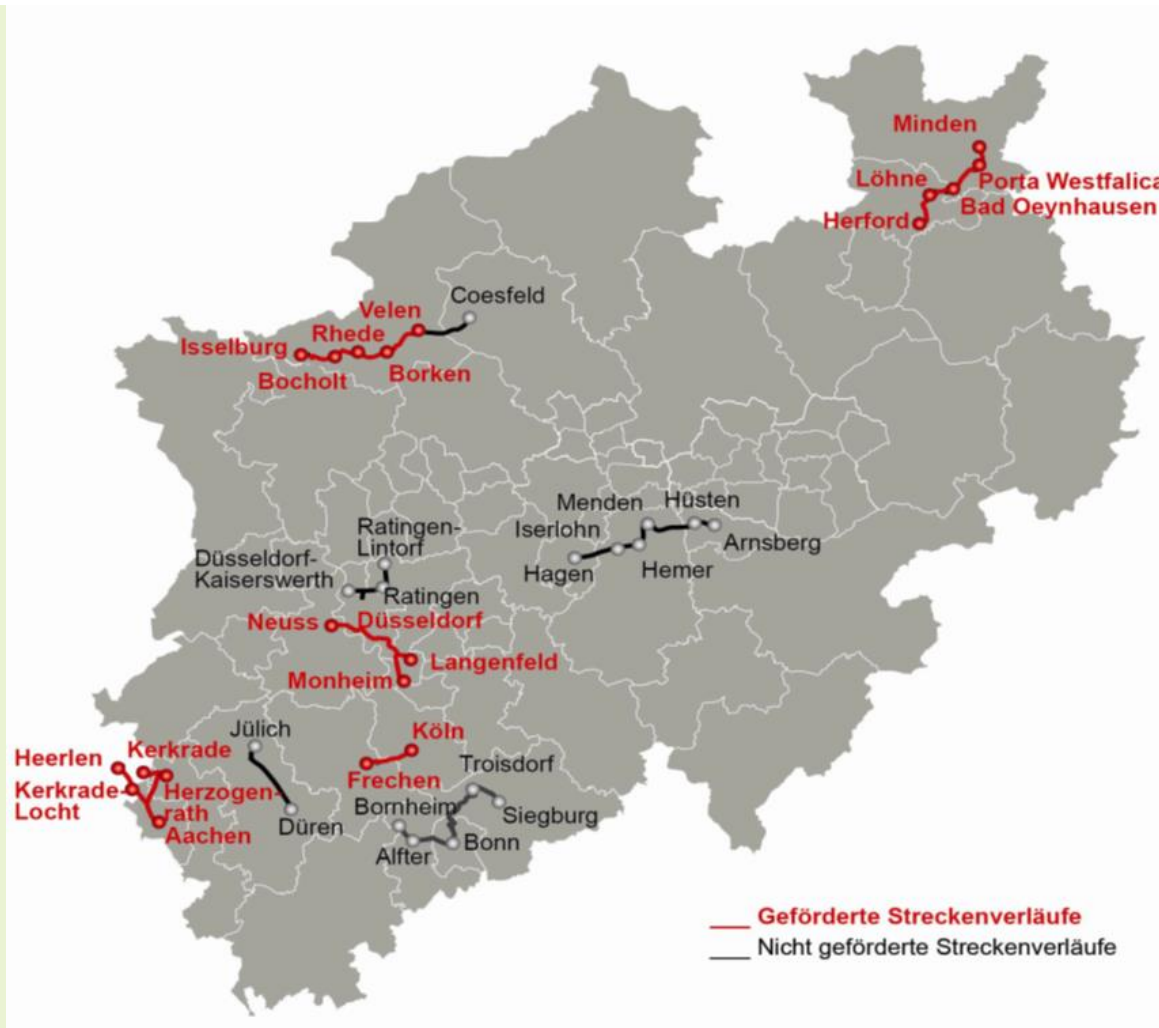
Ministry of Building, Housing,
Urban Development and Transport
of the State of North Rhine-Westphalia



RS2
Westmünster-
land
Length: 45 km

Cycle
Superhighway
Cologne-
Frechen
Length: 8 km

Cycle
Superhighway
City Region
Aachen
Length: 30 km



RS3
Minden-Herford
Length: 36 km

Cycle
Superhighway
Neuss,
Düsseldorf,
Langenfeld/
Monheim
Length: 31 km



Content

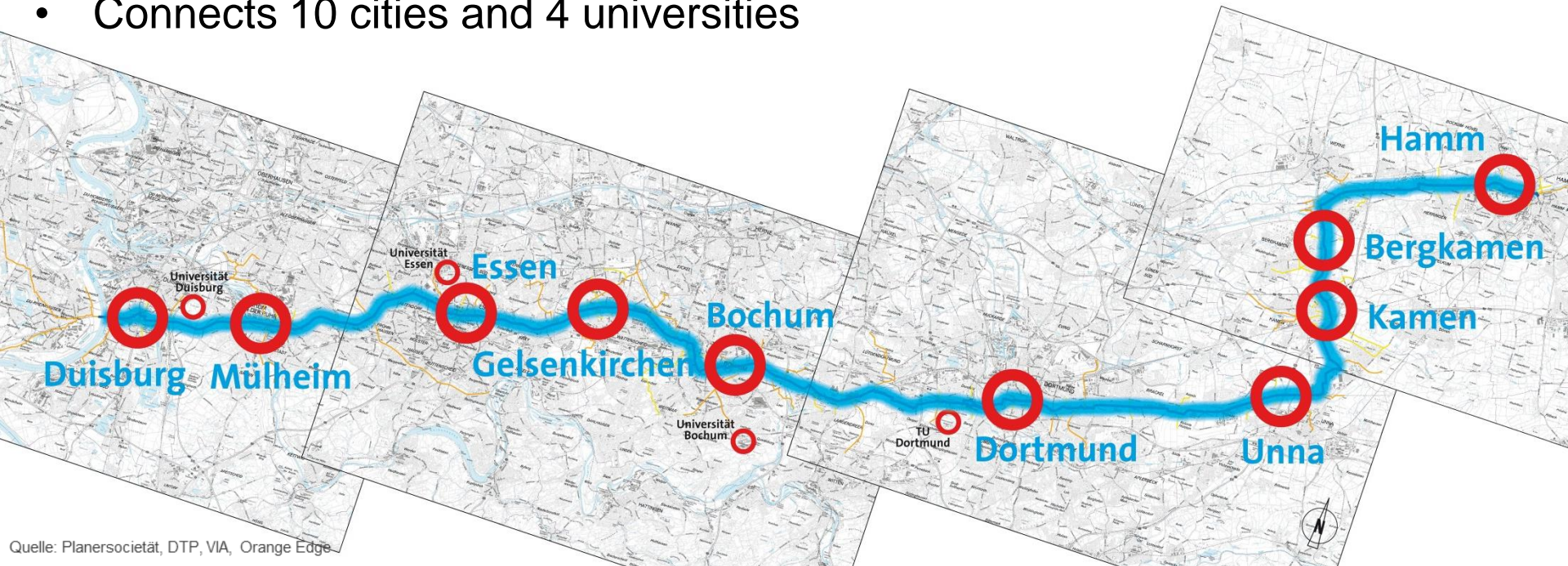
1. **Planning Competition for Cycle Superhighways**
2. **Cycle Superhighway „Radschnellweg Ruhr“ (RS1)**

RS1 – the fastest way through the ruhr area

Ministry of Building, Housing,
Urban Development and Transport
of the State of North Rhine-Westphalia



- 101 kilometres
- 1.8 Million inhabitants in the near area
- 430.000 employees
- 150.000 students
- Connects 10 cities and 4 universities



Quelle: Planersocietät, DTP, VIA, Orange Edge

RS1



Picture: Drehscheibe online

Before



Picture: AGFS

RS1



Pictures: RVR

Afterwards



RS1

Ministry of Building, Housing,
Urban Development and Transport
of the State of North Rhine-Westphalia



Highline

Picture: AGFS

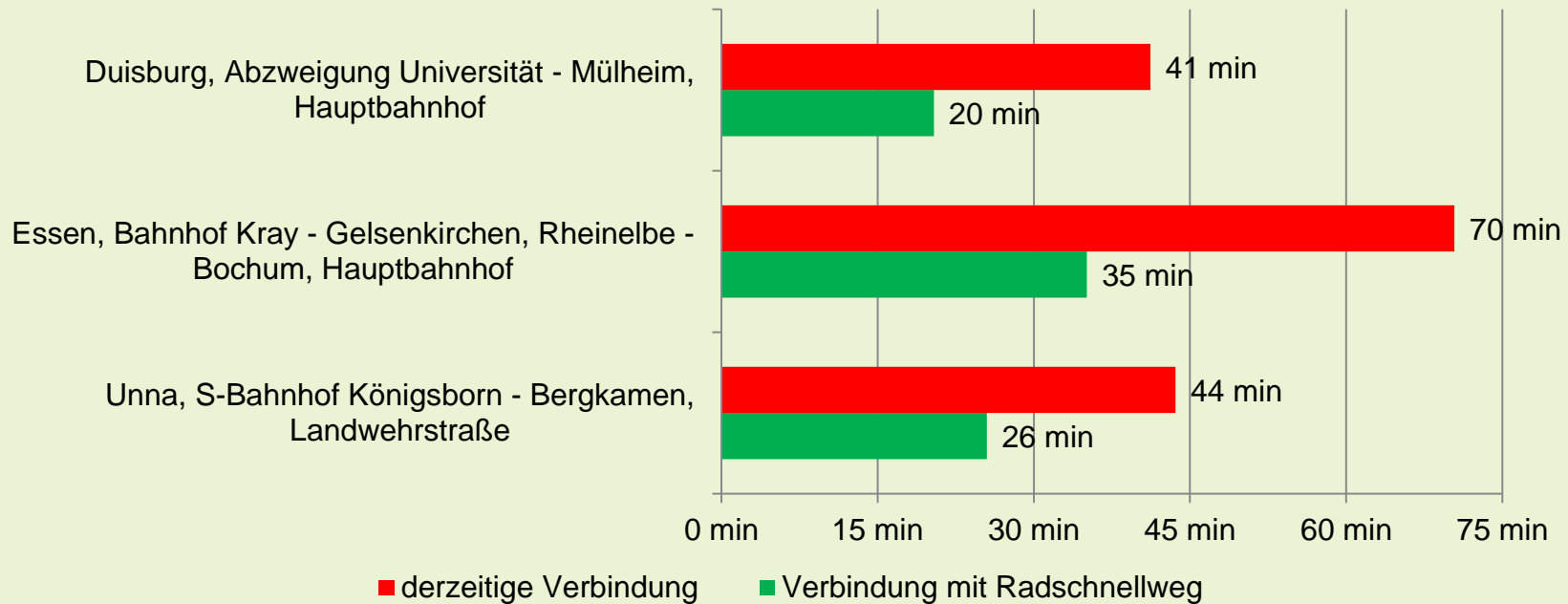


Profit for the Ruhr Area

- 50.000 cars less per day
- costs: 184 million Euros
- benefit-costs-relationship: 4.8
- less car kilometres daily: 400.000
- less carbon dioxide yearly: 16.600 tons



Runtime profit on several distances up to 50%



Quelle: Planersocietät, DTP, VIA, Orange Edge

RS1



some impressions

pictures: AGFS





Content

1. **Planning Competition for Cycle Superhighways**
2. **Cycle Superhighway „Radschnellweg Ruhr“ (RS1)**
3. **Change of the law**

Change of the law



- Change of law in october 2016
- Cycle Superhighways between towns or regions become State-cycleways like State-roads
- independent financing (planning, building, maintenance)
- Increase of the budget



Content

1. **Planning Competition for Cycle Superhighways**
2. **Cycle Superhighway „Radschnellweg Ruhr“ (RS1)**
3. **Change of the law**
4. **Future prospects**

Future Prospects



- Seven Cycle Superhighways will be realised in the next five years in North Rhine-Westphalia
- Total Length: 270 km
- Costs: 350 million Euros
- Network of Cycle Superhighways will be developed in North Rhine-Westphalia
- The future of the mobility is essentially based on Cycle Superhighways



Cycle Superhighways in NRW
... ride, ride, ride ...

Cycle Superhighway all directions





Thanks for your interest!

Ulrich Malburg

c/o Ministerium für Bauen, Wohnen,
Stadtentwicklung und Verkehr des Landes
Nordrhein-Westfalen

D 40190 Düsseldorf

Germany

E-Mail: ulrich.malburg@mbwsv.nrw.de