

# DIWA – Driver Information and Warning Applications

## DIWA Project Information

**Objective:** Increase road safety by improved content collection and better driver information

**Start:** Jan. 2005 – **End:** Dec. 2007

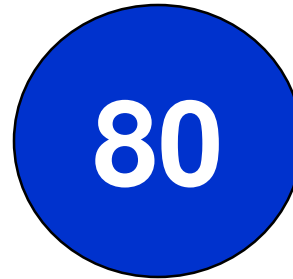
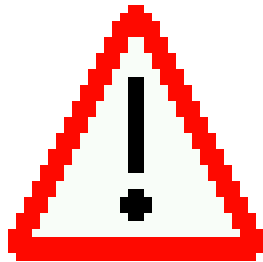
**Funding:** No

**Partners:** Bavarian Ministry of Inner Affairs (Road and Construction Authority; Police), PTV, GEWI

**Management and coordination:** BMW (EW-1, Obert)

**Testregions:** Northbavaria, North of Munich

**Applications:** Hazard Warnings and dynamic Speed Info



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## Difference to Traffic Information of today



### Traffic Information

- Messages not selected
- rough relation to location
- Presentation on a map

Attention!  
Aquaplaning in 400 meters

### Local Hazard Warning

- Only relevant message are on display
- precise location referencing
- absolute priority in presentation



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Works with simple DAB-Receivers and a location device

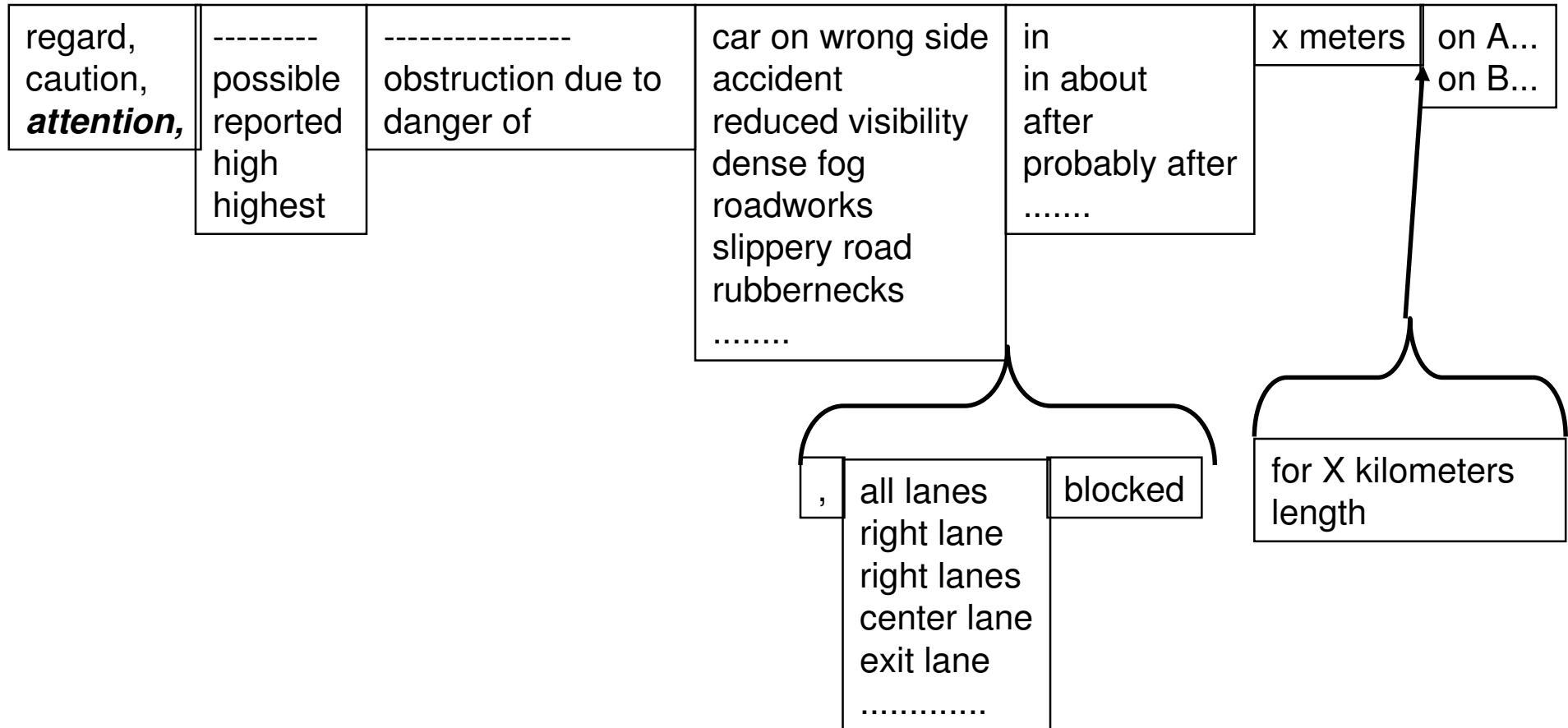


DAB-Radio with warning functionality




# DIWA – Driver Information and Warning Applications

## Textmodules for voice presentation (functional proposal)



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## Local Hazard Warning




**Content**

How to collect?

Fahrzeugdaten

ABS/ESP	Blinker	Getriebe	Tankniveau	Sichtbereich	Tempomat
KVL	Wasserpumpe	Leuchte	Reifenluftdruck	Außenspiegel	Wahllichter
Alufelgen	Ölwanne	Leuchte	Reifenluftdruck	Reifenluftdruck	Reifenluftdruck



**Processing**

relevance to actual position




**Content Provision**

Message management available?




**Presentation**

How to present?



**Transmission**

Mobile.Info



**Driver is prepared to react**

# DIWA – Driver Information and Warning Applications

## Project Architecture (LHW and SpeedInfo)

