

# Open Transport Data for Sustainable Mobility

Experiences from Baden-Württemberg

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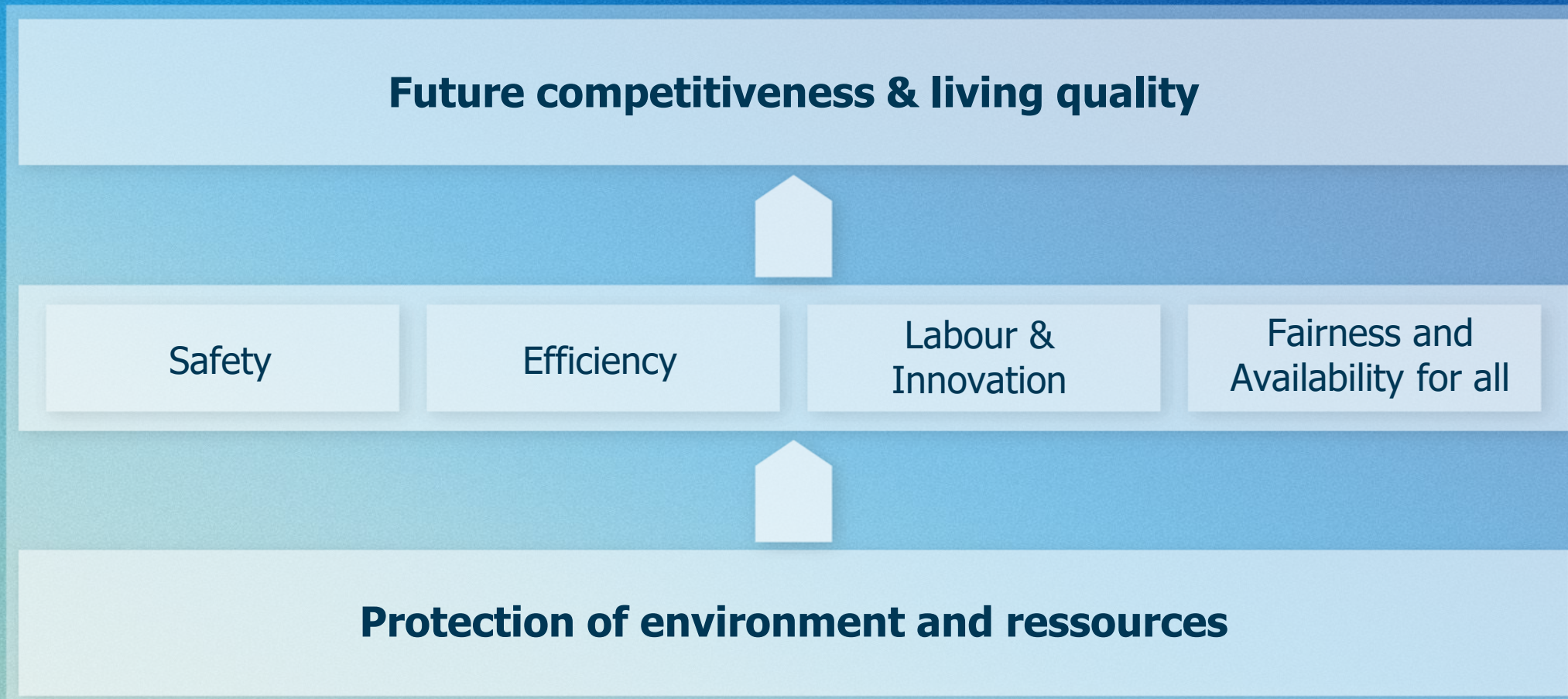
**NEUE MOBILITÄT**  
**MobiData BW**



**Baden-Württemberg**

MINISTERIUM FÜR VERKEHR

# Sustainable Mobility



**Sustainability as a pre-requisite for future competitiveness**

# some figures about car mobility

23 hours

30%

1.2 persons

# TRAFFIC MANAGEMENT

**34** Schaffhausen 28 km  
↑ Erzingen 7 km

Zurzach **CH** 6 km

Küssaberg 5 km

# TRAFFIC SELF-MANAGEMENT



# Architecture MobiData BW



*Service Level*

Routing Information

Routable Map Basis = OSM

Single Data Sets / Open Data

*Integration Level*

Floating Car  
And other  
Road Data

Public Transport  
Timetable  
Data

Public Transport  
Data Realtime

Mobility  
Service Data

Municipal  
Traffic  
Strategies

*Provision Level*

Data Provision from Public Institutions, Civil Society and Private Economy

# Enabling digital traffic management on the municipal level

The screenshot displays the 'Mobilitätsmanager TRAFF-X.events' web application. The interface includes a search and filter bar at the top, a map on the left showing various traffic incidents marked with red triangles, and a detailed list of events on the right. The list contains columns for 'Zusammenfassung', 'Startzeitp...', 'Endzeitpu...', and 'Status'. A dropdown menu is open over the list, showing categories like 'Baustelle', 'Wartungsarbeiten', and 'Naturereignis'. The URL at the bottom of the browser window is 'https://mobilitaetsmanager.mobidata-bw.de/traffix/index.html#'.

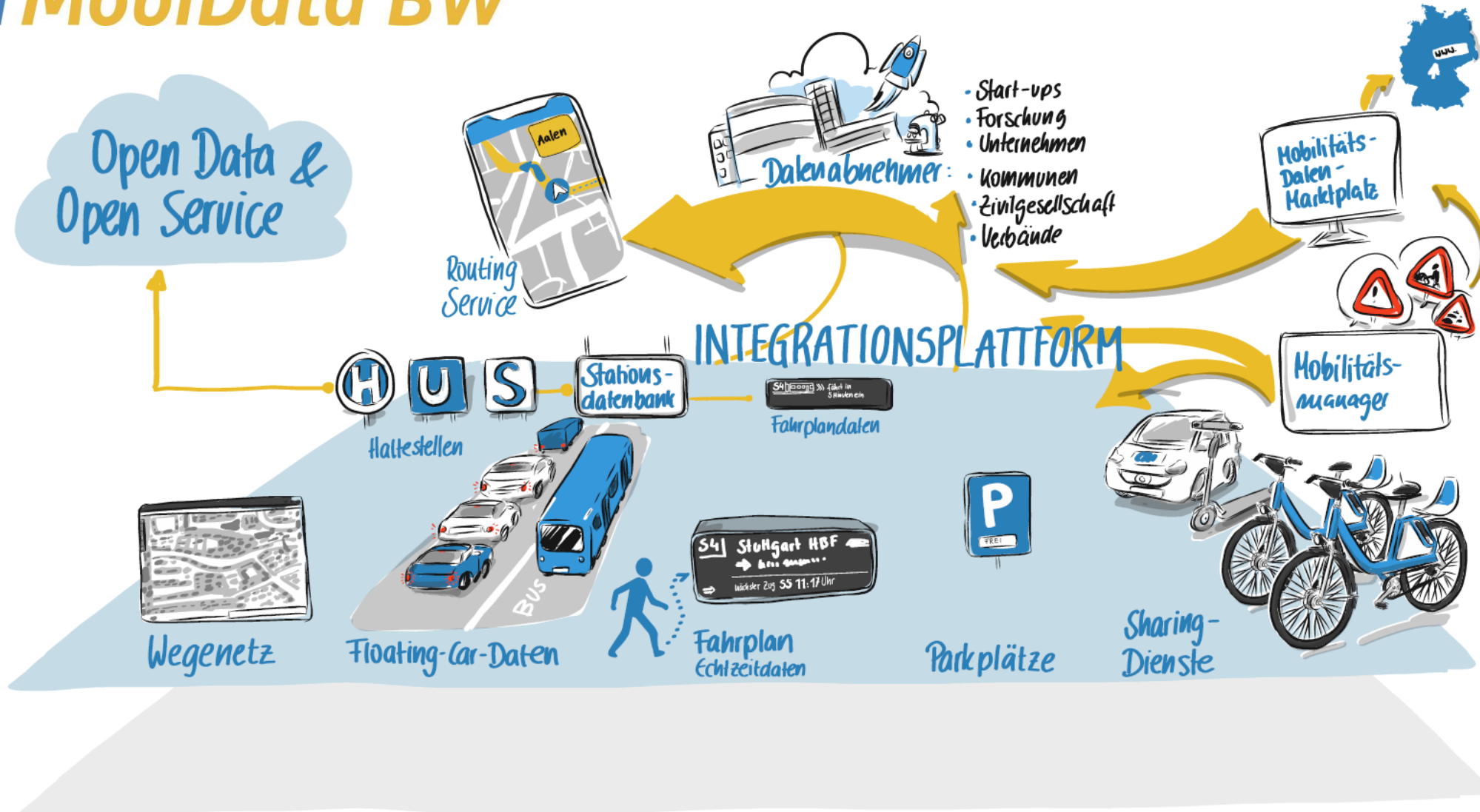
Zusammenfassung	Startzeitp...	Endzeitpu...	Status
Gefahr durch ungesicherte Unfallste Unfall: 4232577	25.11.2019	25.11.2019	In Umsetz
2 km stockender Verkehr Verkehrslage: 4231337	25.11.2019	25.11.2019	In Umsetz
Tagesbaustelle Baustelle: 4231278	25.11.2019	25.11.2019	In Umsetz
Baustelle Baustelle: 4229226	25.11.2019	13.12.2019	In Umsetz
Baustelle Baustelle: 4229118	25.11.2019	13.12.2019	In Umsetz
Fahrbahnerneuerung Baustelle: 4227605	25.11.2019	21.12.2019	In Umsetz...
Fahrbahnerneuerung Baustelle: 4227497	25.11.2019	21.12.2019	In Umsetz...
wegen Baustelle gesperrt Baustelle: 4220436	22.11.2019	25.11.2019	In Umsetz...
Bauarbeiten Baustelle: 4213542	21.11.2019	04.12.2019	In Umsetz...
Bauarbeiten Baustelle: 4213434	21.11.2019	04.12.2019	In Umsetz...
Baustelle Baustelle: 4199508	18.11.2019	21.12.2019	In Umsetz...
starke Luftverschmutzung, Smog-Alarm Naturereignis: 4196366	18.11.2019	25.11.2019	In Umsetz...

## Part of MobiData BW:

- Browser-based ‚Mobility Manager‘
- Aim: Digitalisation of traffic management strategies
- Provision of Open Data for further use in navigation systems



# NEUE MOBILITÄT MobiData BW



# Use Cases

- Own Apps and information systems by the Land Baden-Württemberg
- Data usage by private players:
  - Mobility apps
  - Mobility Services
  - Navigation Services
- Data Usage by Research & Entrepreneurship
- Data Basis for planning and traffic management on the municipal level
- ...

# Open Innovation – more than a sidekick



## Digital Mobility Hack 2018 & 2020



Winning team: **Mitfahren-BW**

# The road we took

## moveBW – a publicly funded private innovation project

- **Duration:** 07/2016 – 04/2019
- **Partners:** Led by global player Bosch
- **Goal:** Designing an intermodal mobility data architecture, providing routing information
- **Result:** Separation of data architecture and service level, transferring data layer to the state by a series of calls for tenders



# Lessons Learned on the road

## The governance perspective:

- State as data and strategy provider – private economy as service provider
- **Or: We don't need no „Super App“**
- calling for a strong state in mobility data architecture also by private actors
- Both Forerunners and Latecomers are a challenge to integrate

## The technological perspective:

- Competitiveness of non-profit data
- Open Street Map has been identified as best net basis available
- Participation matters!

Thank you.

## CONTACT

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