Smart Urban Mobility – Example Vienna

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Agenda

- New challenges in the transport domain
- The situation of Vienna
- Smart solutions for supporting multimodality
- The next generation: cooperative systems
new challenges for Austria

completion of infrastructure development in Austria (Westbahn, local bypasses, ...)

level of motorisation will reach its limit soon

We have to face new challenges:

- expensive energy
- accessibility of suburban regions
- climate, air and noise pollution, ...
- traffic control via telecommunication (navigation systems)
new challenges

GPS

NO TRUCKS!
mobility remains a key topic

mobility for all classes of population is a public task...

...new tasks and challenges for the administration!

- traffic control via information and
- traffic management for optimal accessability
- organisation across administrative boarders

...traffic telematics is the „tool“
Vienna Region

Vienna

Lower Austria

Burgenland

23,500 km²

3.5 million inhabitants

40% of all Austrians

200,000 commuters / day
AnachB.at everywhere

- **Widgets** (functional modules for external websites)
  - **Gadget** (igoogle)

Integration in external Websites (via interface)

Integration in partner websites (ASFINAG, wien.at, …)

www.AnachB.at

iPhone App
AnachB.at homepage
AnachB.at routing for public transport
AnachB.at routing for cycling
AnachB.at elevation profile
AnachB.at routing for individual traffic
traffic data
Individual traffic detection

**traffic information**
- police, ORF Ö3 traffic editorial office
- construction sites

**Vienna**
- 500 loop detectors
- 10 additional detectors on relevant links
- Floating Car Data (FCD) with 3,500 taxis
- detection of 94% of all car trips in Vienna

**Lower Austria, Burgenland**
- 75 detectors are upgraded +
  - 60 new detectors in Lower Austria
- 4 new detectors in Burgenland

**ASFINAG**
- 210 crosssections, extensive cooperation
Public transport detection

- ÖBB
  - messages
  - delays
  - rural bus service

- Wiener Linien
  - messages from the control centers of the metro and surface transport
  - data from the intermodal traffic control system
graph integration platform GIP
GIP graph integration platform

- **One common GIS network for**
  - traffic administration of Vienna
  - traffic administration of Lower Austria and Burgenland
  - Traffic administration in Upper Austria, Styria, Carinthia, Salzburg and Tyrol → whole Austria

- common basic data model and software development
- decentralised update
- E-Government applications collect incident records for the traffic management
GIP as base for e-government
What’s next – Austrian wide Traffic Information VAO

- one common traffic information service:
  - all over Austria
  - all means of transport / multimodal
  - highest quality

- usable for different partners and applications
What’s next – cooperative systems

- Motorway triangle A4, A23, S1
- Urban network of Vienna
- Interface Public Transport
What’s next – cooperative systems

ASFINAG Motorway Picture 2025
19th ITS World Congress
Vienna, Austria
22 to 26 October 2012