



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
- accessability of suburban regions
- climate, air and noise pollution, ...
- traffic control via telecommunication (navigation systems)



new challenges





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

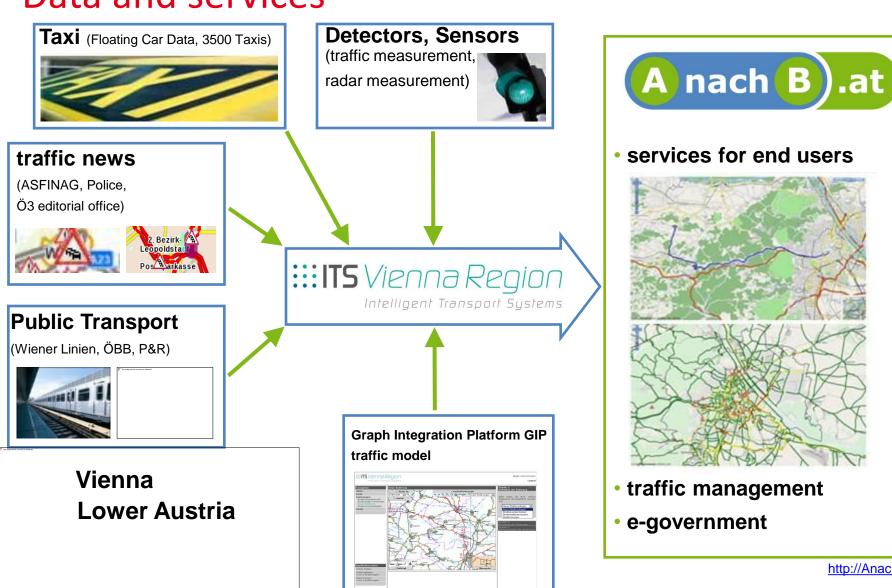
40% of all Austrians

200.000 commuters / day





Data and services



http://AnachB.at



AnachB.at everywhere





A nach B).at

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

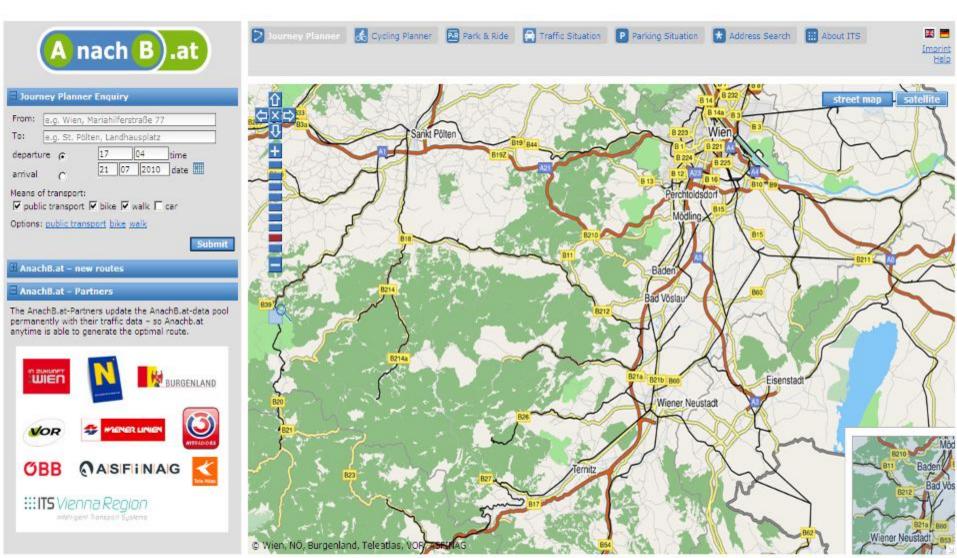
- Widgets (functional modules for external websites)
 - Gadget (igoogle)

Integration in external Websites (via interface)

Vienna | Austria © AustriaTech

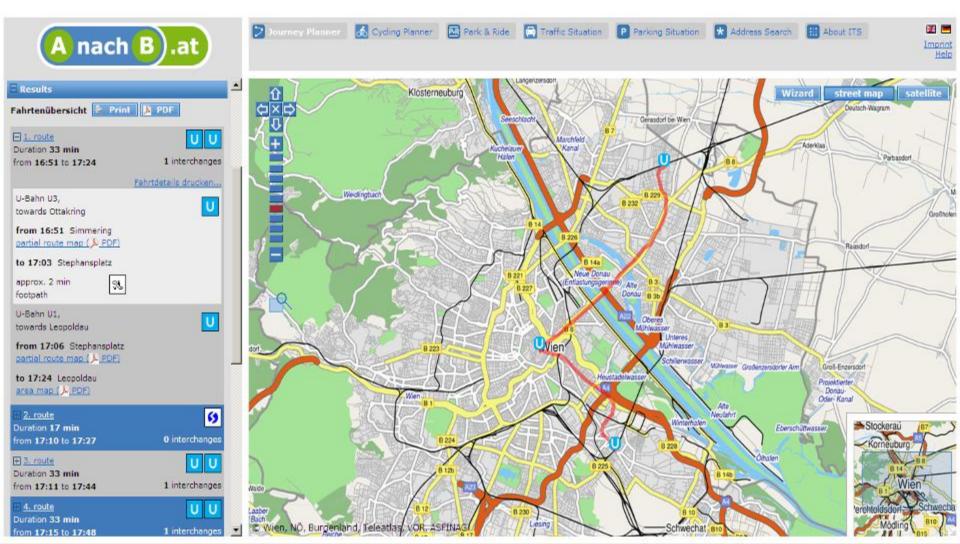


AnachB.at homepage



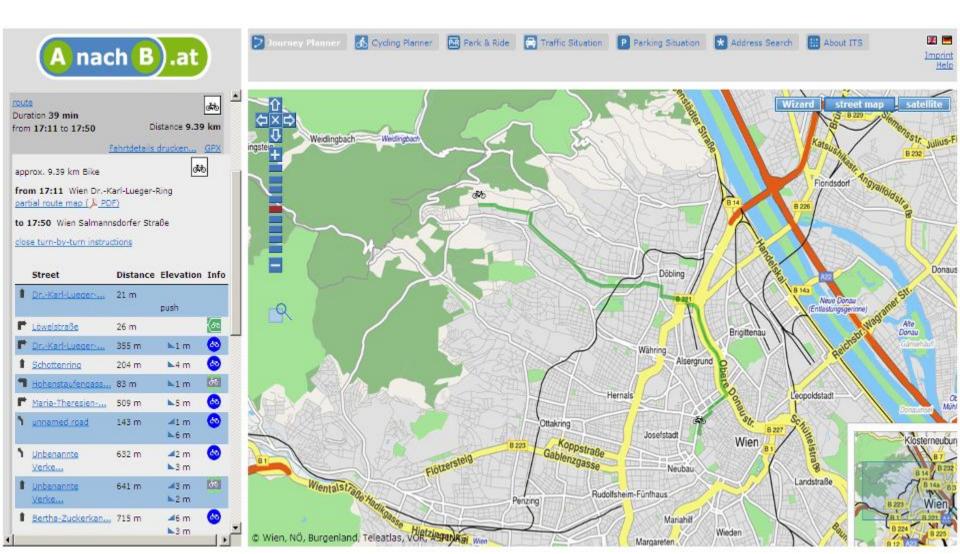


AnachB.at routing for public transport



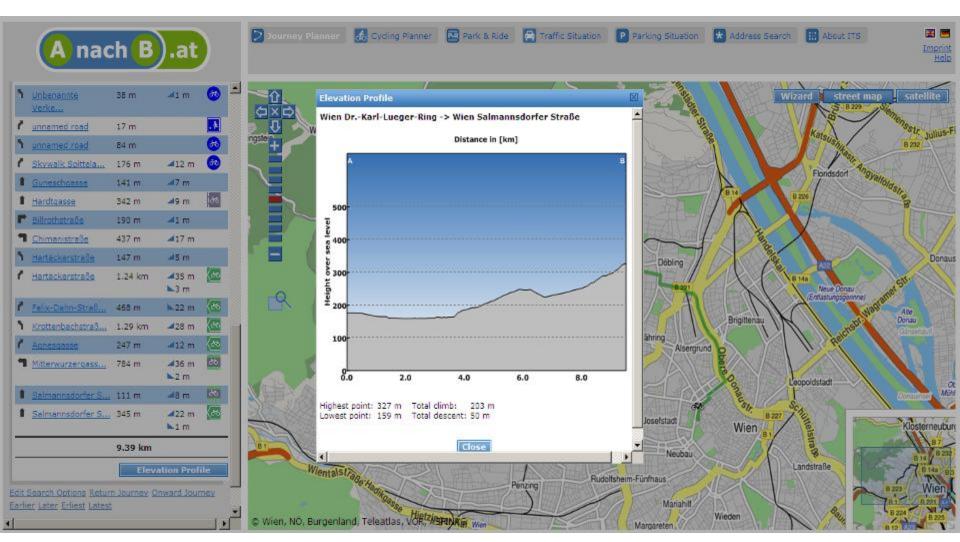


AnachB.at routing for cycling



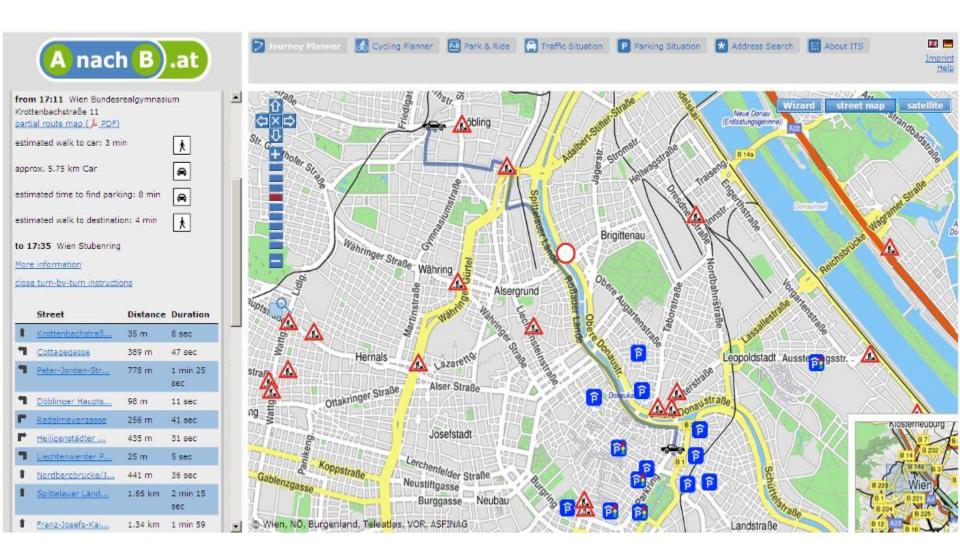


AnachB.at elevation profile





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
- o 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

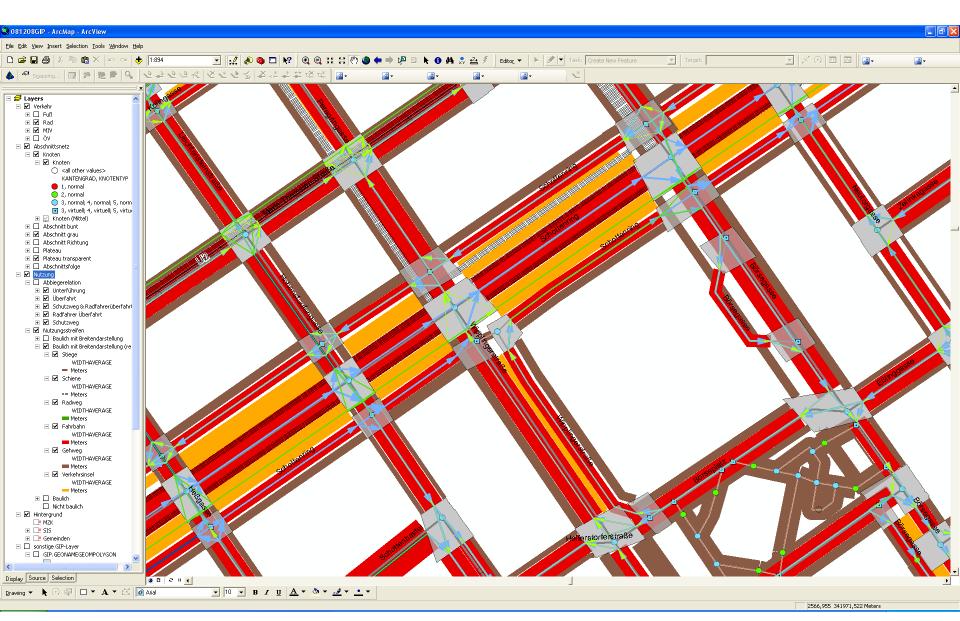


GIP graph integration platform

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

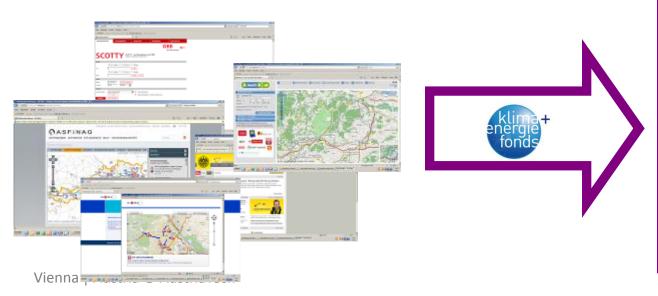




What's next – Austrian wide Traffic Information VAO

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

usable for different partners and applications



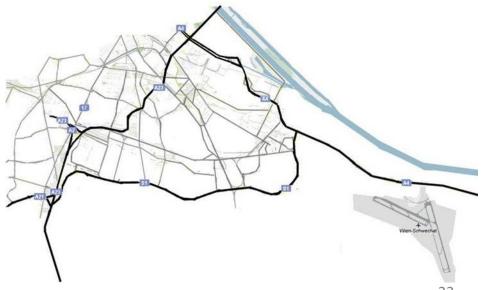




What's next – cooperative systems

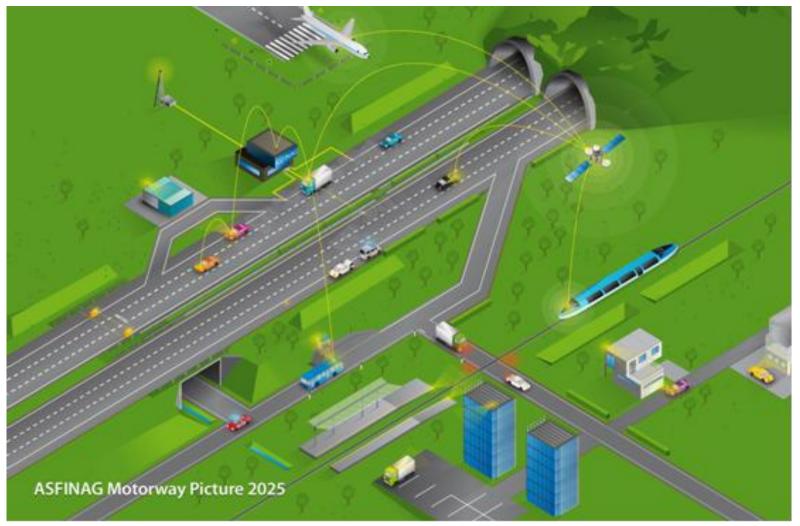
- Motorway triangle A4, A23, S1
- Urban network of Vienna
- Interface Public Transport







What's next – cooperative systems







19th ITS World Congress Vienna, Austria 22 to 26 October **2012**





AustriaTech – Federal Agency for Technological Measures Ltd.

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