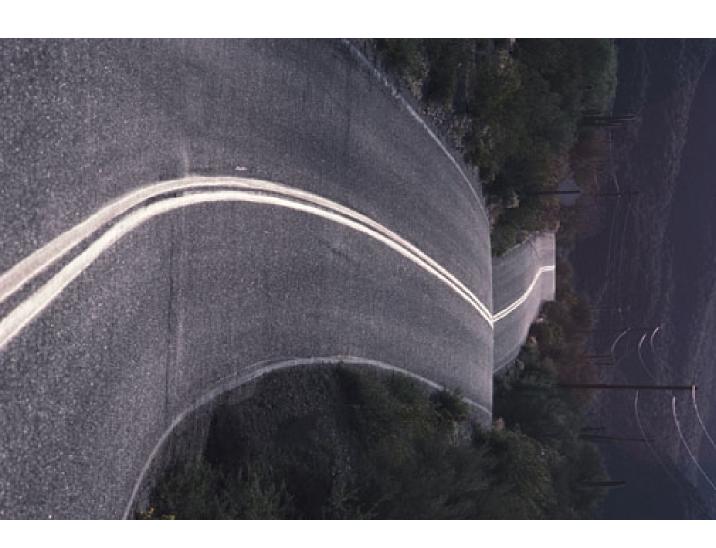


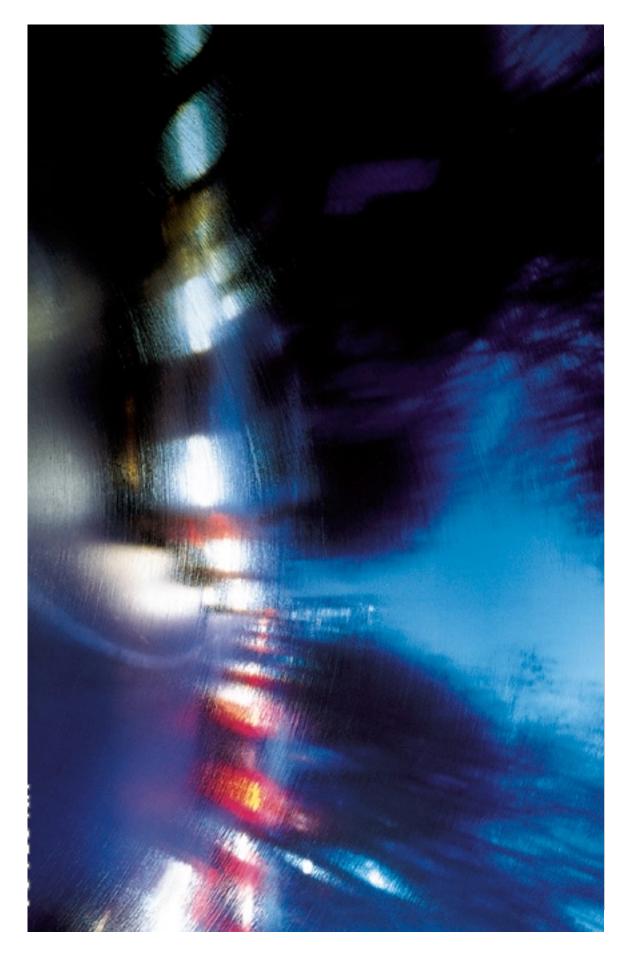
OREGIN, February 2001

Presentation Outline



- road mobility: threats - opportunities
- Automotive Cluster Vienna Region
- Vienna Pilot:
 - urban automotive mobility& mobile e-commerce
 - response to Growth 4th Call (Galileo)EGNOS & UMTS testbed





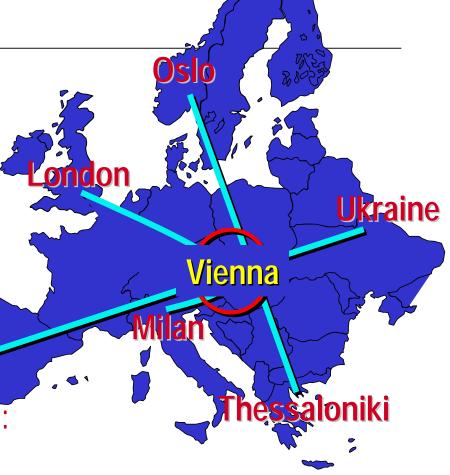
A neuralgic junction

- Major European transport axes
- 100% increase of EC freight traffic until 2010

Lissabon

Infrastructure planned until 2015:

- TEN Trans European Networks
- 15.000 km high-capacity roads
- 70.000 km rail tracks
- additional air-routes and waterways





Vienna Region

- fast growing economy
- 16 Million inhabitants

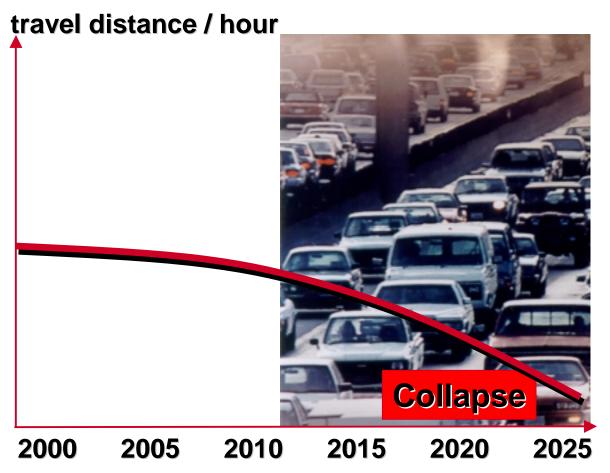


Threat for road mobility transit routes problem

- heavy increase of regional truck, bus and car traffic
- environmental impact



Without infrastructure upgrades

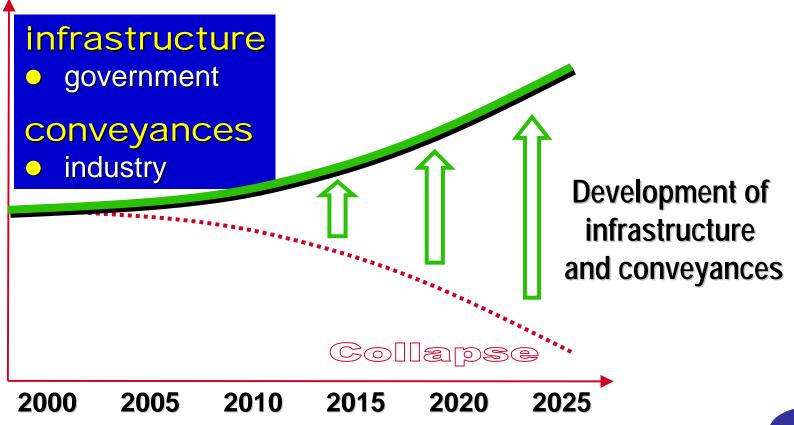


- traffic jam costs in Austria: 19 Bio €
- decrease in competitiveness
- negative impacts on labor, environment and prosperty



Vision (there's no alternative)

travel distance / hour





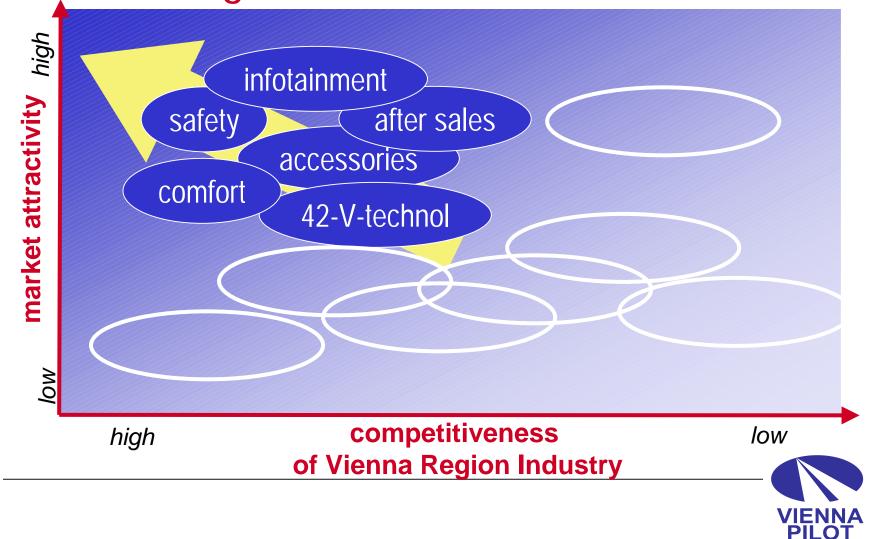
Opportunities: M-commerce and m-multimedia



- Infotainment
- Tourism services
- Fleet management
- Enterprise networks & mobile office
- Emergency services
- Mobility management
- Tolling
- Car status / maintenance
-



Vienna Region Automotive Cluster: SWOT



Sub-cluster



SatNav Made in Europe



Infomobility / UMTS



Pilot project and field trials in Vienna Region

Automotive Cluster Vienna Region





Vienna Pilot Targets

Urban Automotve Mobility





Mobile Com & Multimedia

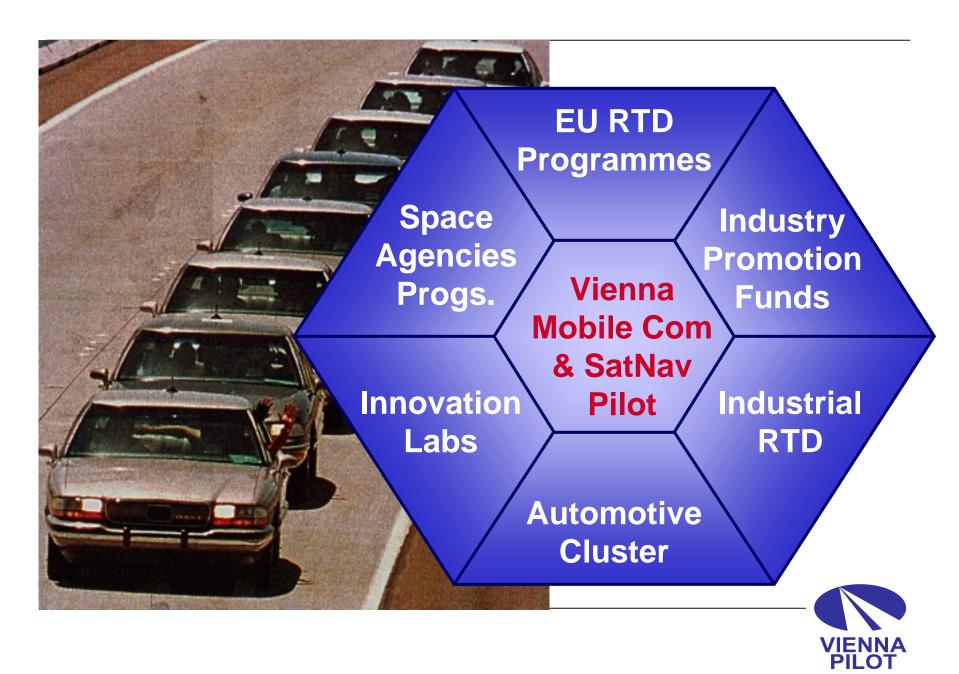


Sat Positioning & Navigation

- field trial involving 100+ vehicles and drivers
- hybrid testbed: UMTS + EGNOS
- advanced browser and cockpit equipment
- traffic monitoring and driver guidance services
- safety & emergency management systems
 - in-vehicle multimedia business and leisure information
- use of geographic info

Mobile e-commerce





Interested Parties in Austria













ÖSTERREICHISCHER RUNDFUNK













































UMTS Testbed



traffic information

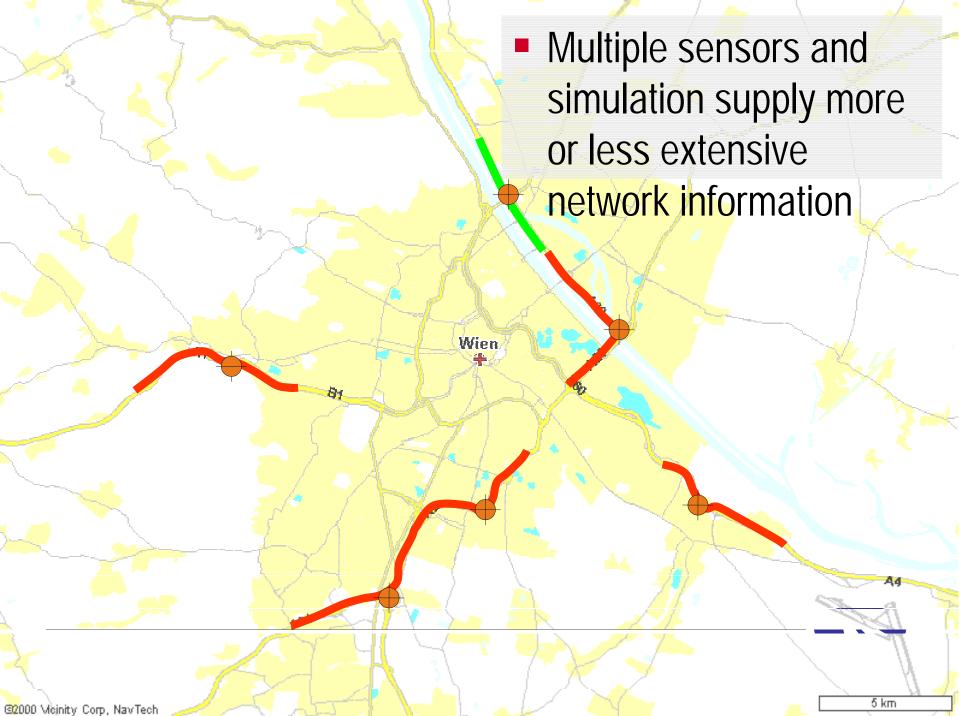


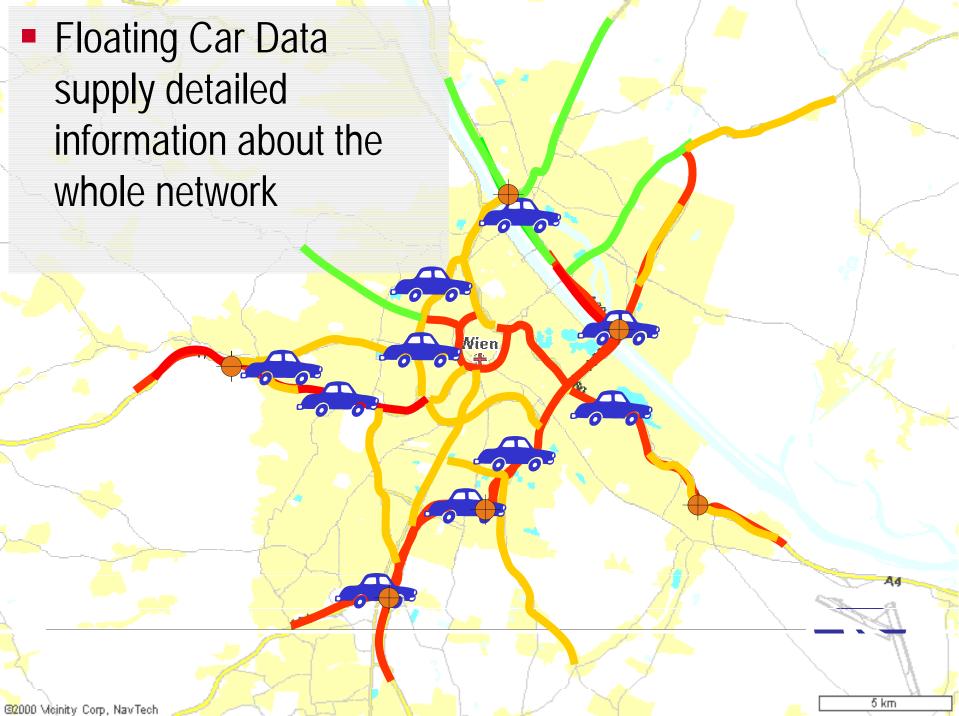


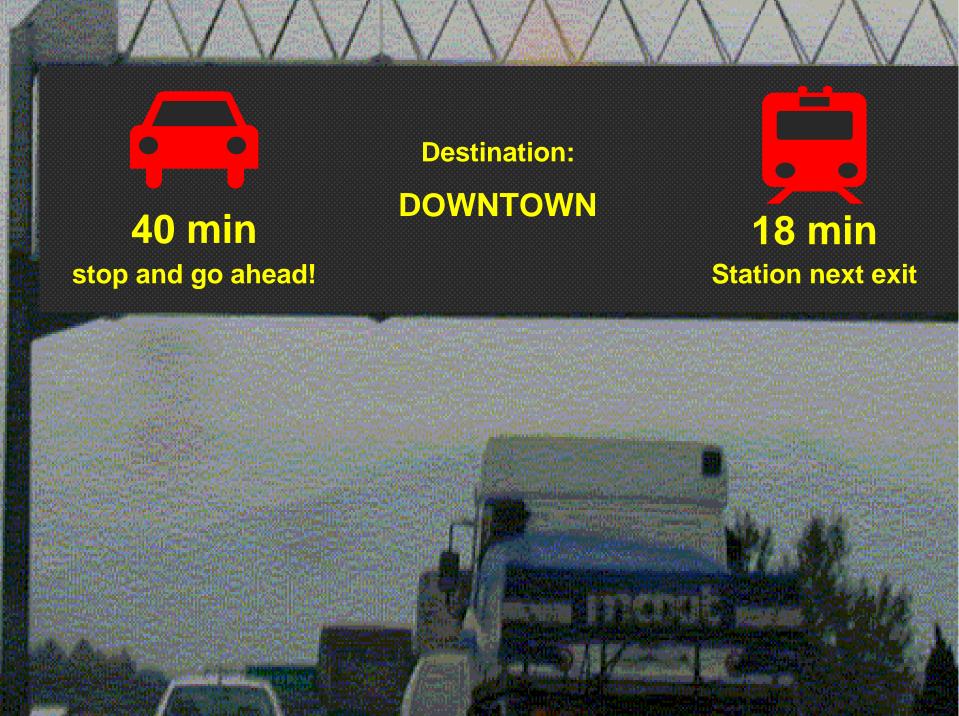
optimised route planning











GPS / EGNOS Testbed



Emergency Management

2: accident location detection



control centre

UMTS Testbed

4: operations order



1: automatic

3: contact

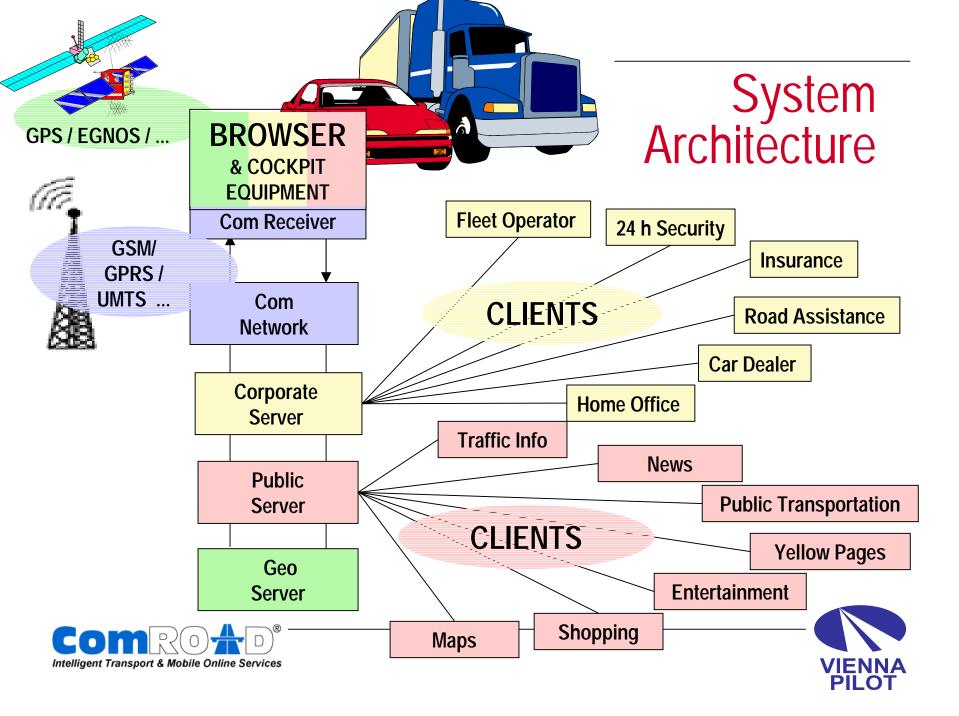


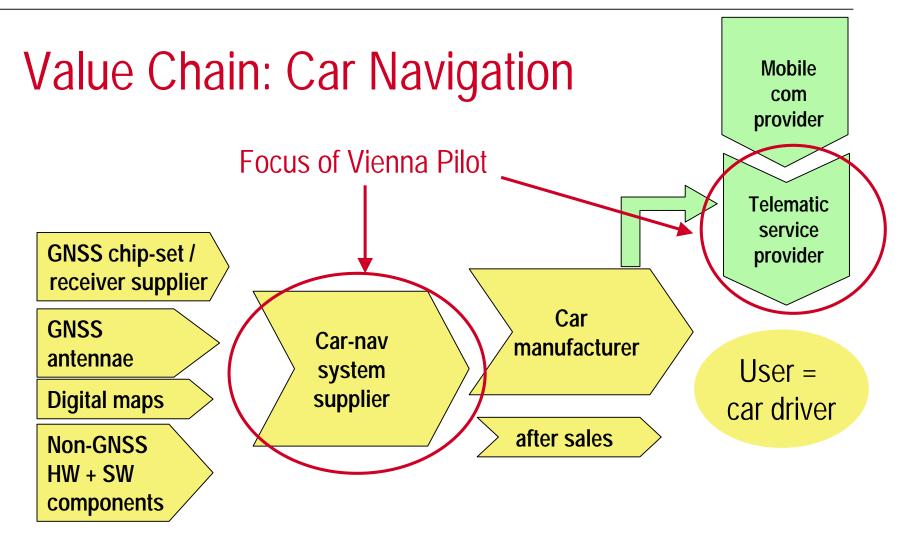
Information











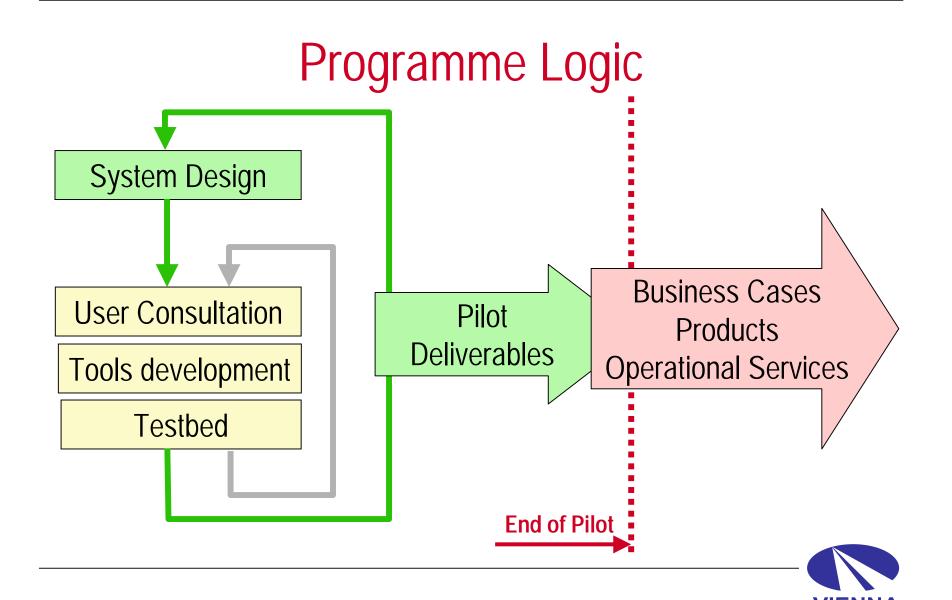
Source: Structural Analysis of the Satelite Navigation Application Segement Technomar GmbH, November 2000



Participants, Work, Responsibilities

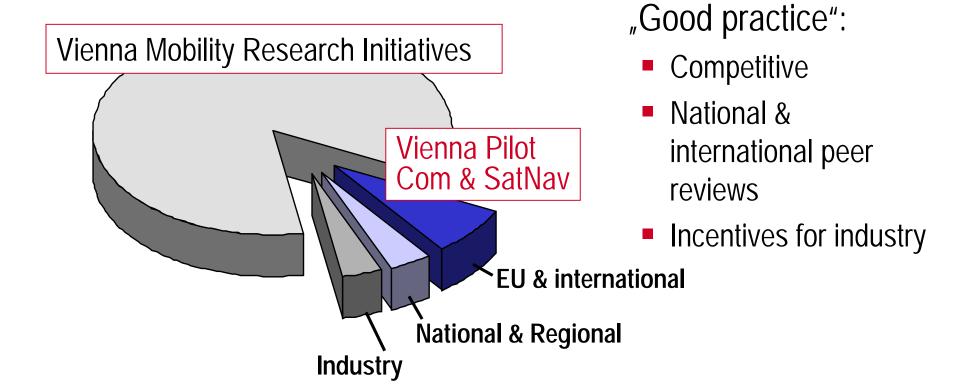
Type of Industry Task	Equipment Manufacturer & Supplier	Navigation., Coms., Telematics Infrastructure Providers	GIS Experts and Data Producer	Corporate and public service providers	Users (drivers, passangers)
System design requirements		F		I	I
Market observatory				I	
User consultation					
Tools /equipment development			T	F	
User tests / testbedding					





Funding

Following

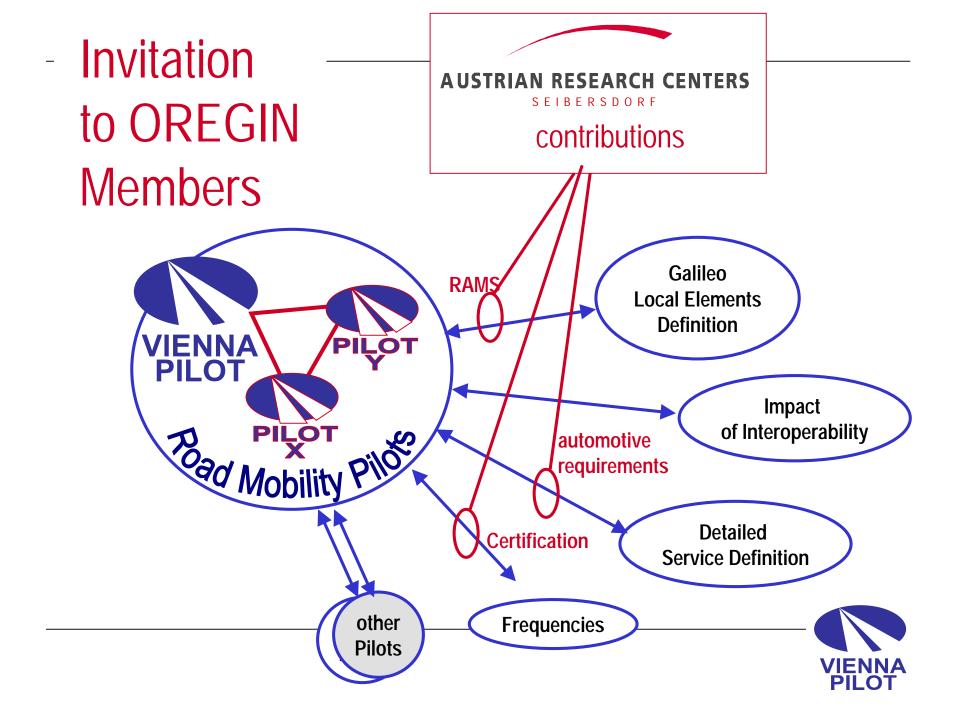


Growth 4th Call: Galileo

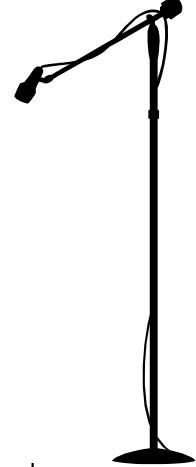


- Vienna Pilot will respond to task 2.3.3/9:
 - large scale pilot
 - road mobility
 - urban & intermodal personal mobiligty
- Invitation of international partnership





Thank you!





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