



Kapsch TrafficCom.

**We make
traffic flow.**



Company.

We offer products, systems and services for high-performance **intelligent transportation systems (ITS)** as a one-stop shop and cover the entire value creation chain of our customers with our end-to-end solution portfolio.

Key facts:

Annual revenues	€ 550 million (fiscal year 2011/12)
Headcount	2.705 employees (as of March 31, 2012)
Global headquarters	Vienna, Austria
Worldwide presence	Subsidiaries and representative offices in 30 countries.
R&D competence centers	Argentina, Austria (2x), Canada, Italy, South Africa, Sweden, USA.

Kapsch TrafficCom. Portfolio.

We make your traffic flow.

Road user charging



- Manual or electronic tolling (Satellite and terrestrial tolling)
- Components, subsystems, systems and complete end-to-end tolling solutions

Urban access and parking



- Urban Road user charging, Limited Access Zone, Low Emission Zone, Dynamic Parking
- Full range of charging policies, based on the time of the day, the length of the stay, the vehicle's pollution class or the traffic

Road safety enforcement



- Red Light and Speed Enforcement, Weigh-in-motion, Lane Enforcement, Traffic Surveillance
- Comprehensive and fully integrated solutions for enforcing traffic laws

Manage traffic intelligently, systematically create added value.

Kapsch TrafficCom. Portfolio.

We make your traffic flow.

Commercial vehicle operations



- Inspection and pre-clearance of trucks
- Check of vehicle weight
- Improvement of road safety and the productivity of fleets

Electronic vehicle registration



- Registration of vehicles through electronic readable tags
- Centralized management of vehicle registration data
- Automated monitoring by regulatory authorities

Traffic management



- Incident Detection, Traveller Information Services
- Solutions for monitoring and controlling road traffic
- Improved traffic flow and protection of the environment

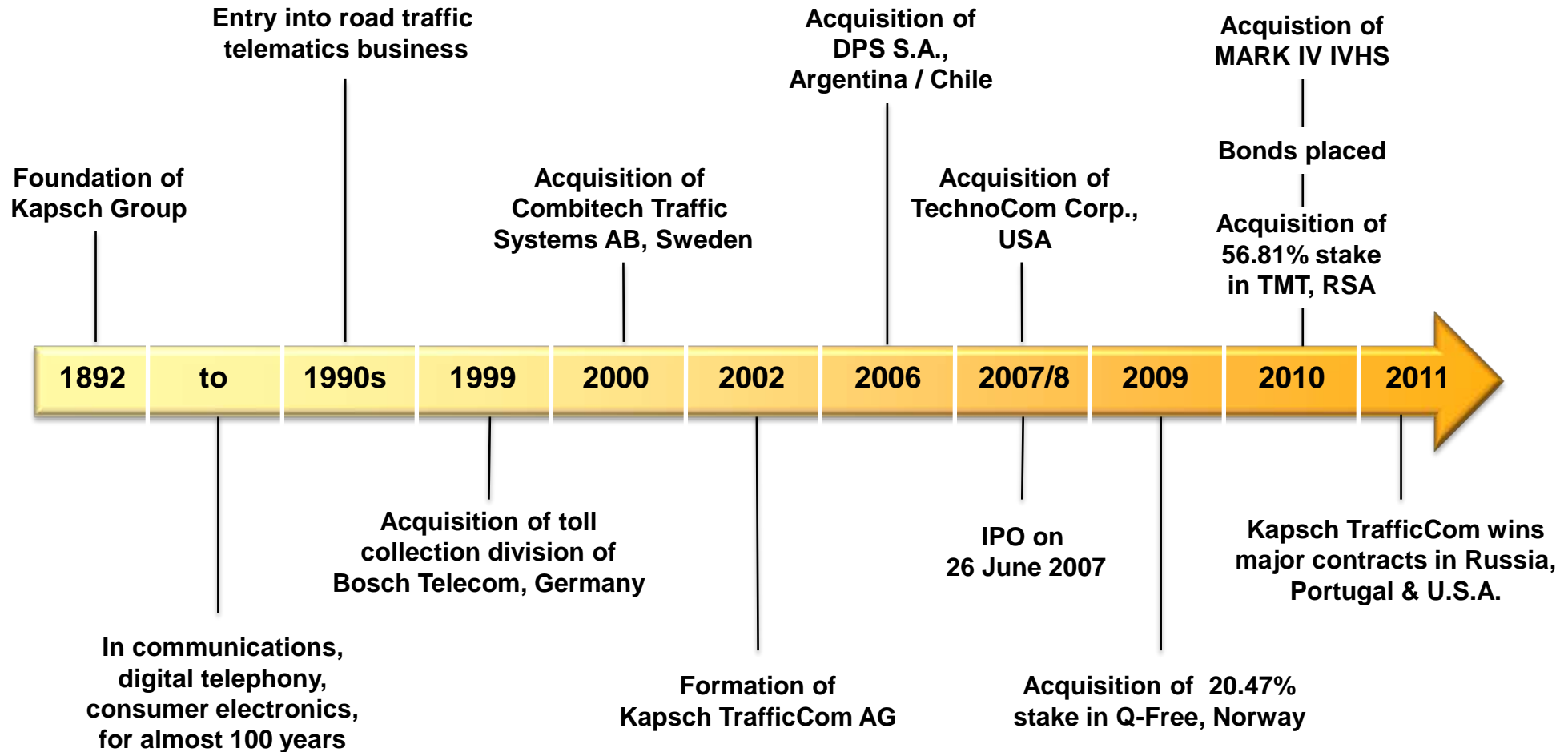
V2X cooperative systems

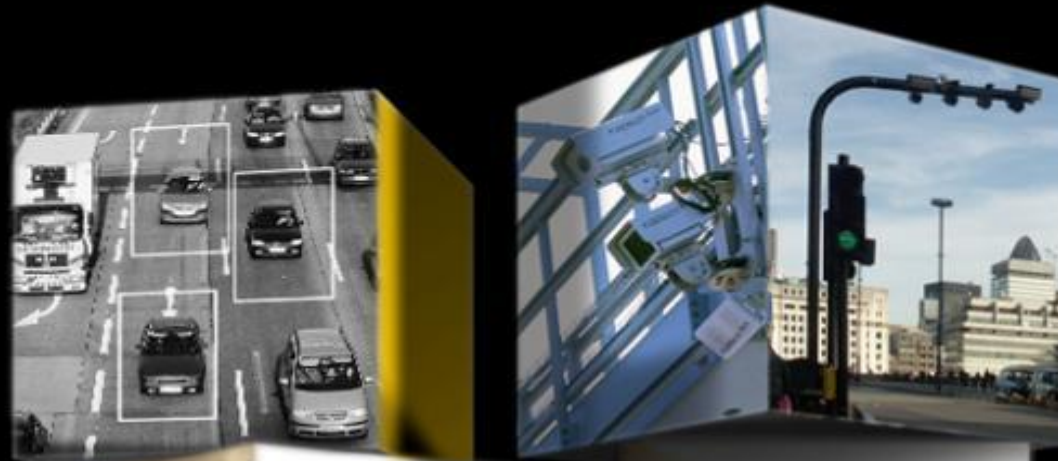


- Core technology for managing and improving traffic safety and mobility in the future
- In-vehicle components, roadside stations or complete solutions

Manage traffic intelligently, systematically create added value.

History.





Kapsch TrafficCom.

**An eco-friendly transport
infrastructure.**



Values. Future transport infrastructure.



- **Healthy & clean**
- **Nutritious & refreshing**



Values. Future transport infrastructure.



- Available & (fair) accessible
- Supply- & distribution function



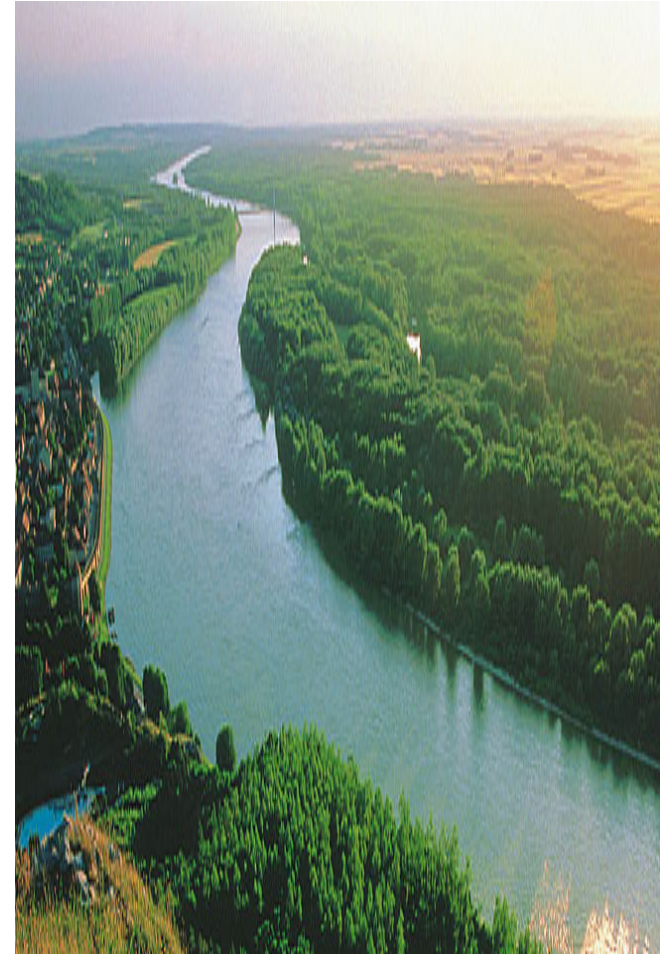
Values. Future transport infrastructure.



■ **Continuous & fluent**



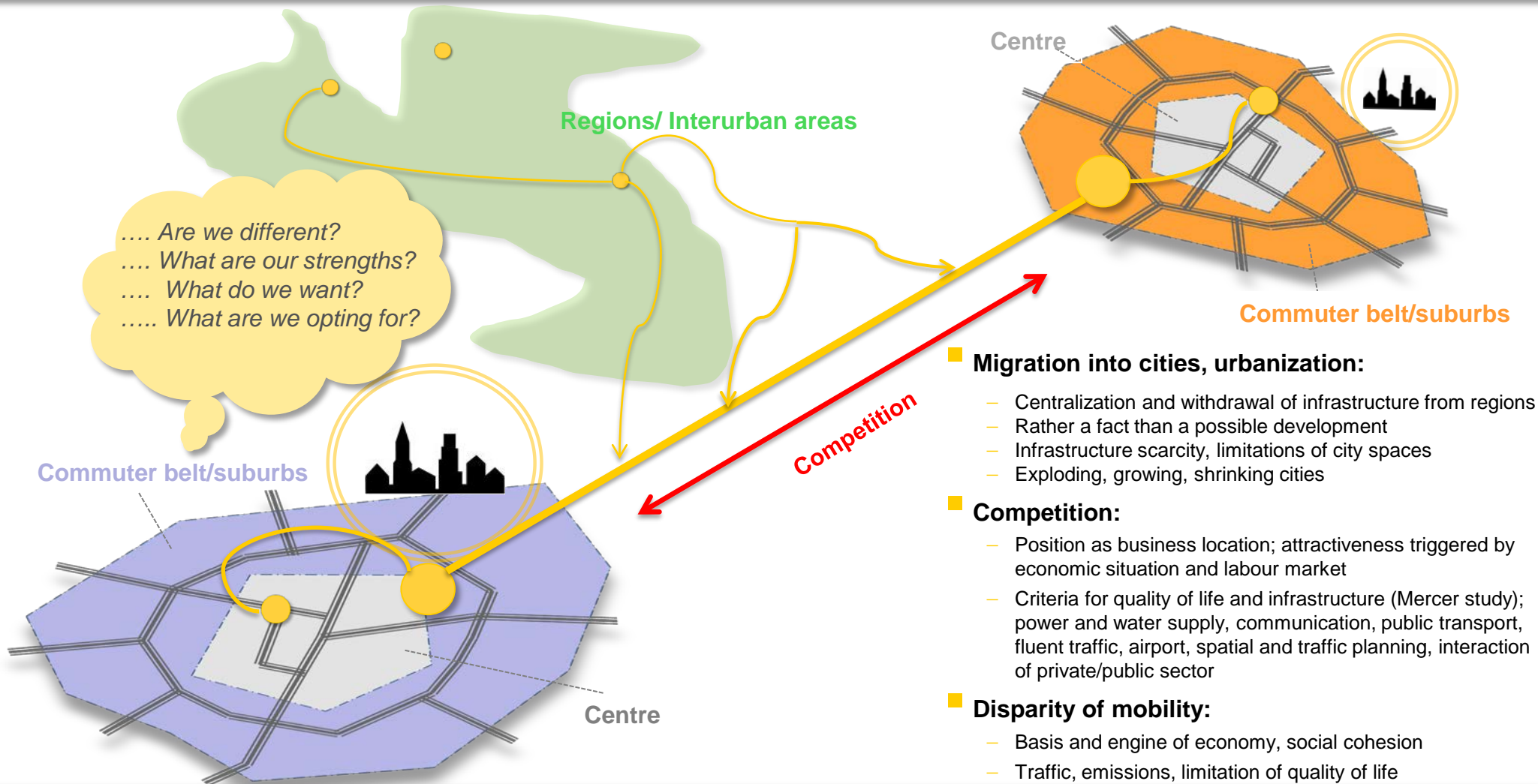
Value = Awareness + Pricing.





2018. Regulative framework for local road user charges and access schemes

Situation. Cities and communities in transition and competition.



Strategy, what to do. Regulative framework for local road user charging and access schemes.



.... City as a system; energy management, water, waste, assisted living, traffic management
 Aspects; political, functional (system), environmental, human, economic
 Role of the government is to operate the system and to organize "smart" technology

MOBILITY

- To decouple growth of cities and resource consumption
- To use digital data
- Incenting people to use environmentally friendly modes
- Cross-regional land use planning
- Three tuning levels for decision makers
 - Manage supply
 - Manage human demand
 - Make infrastructure adoptive



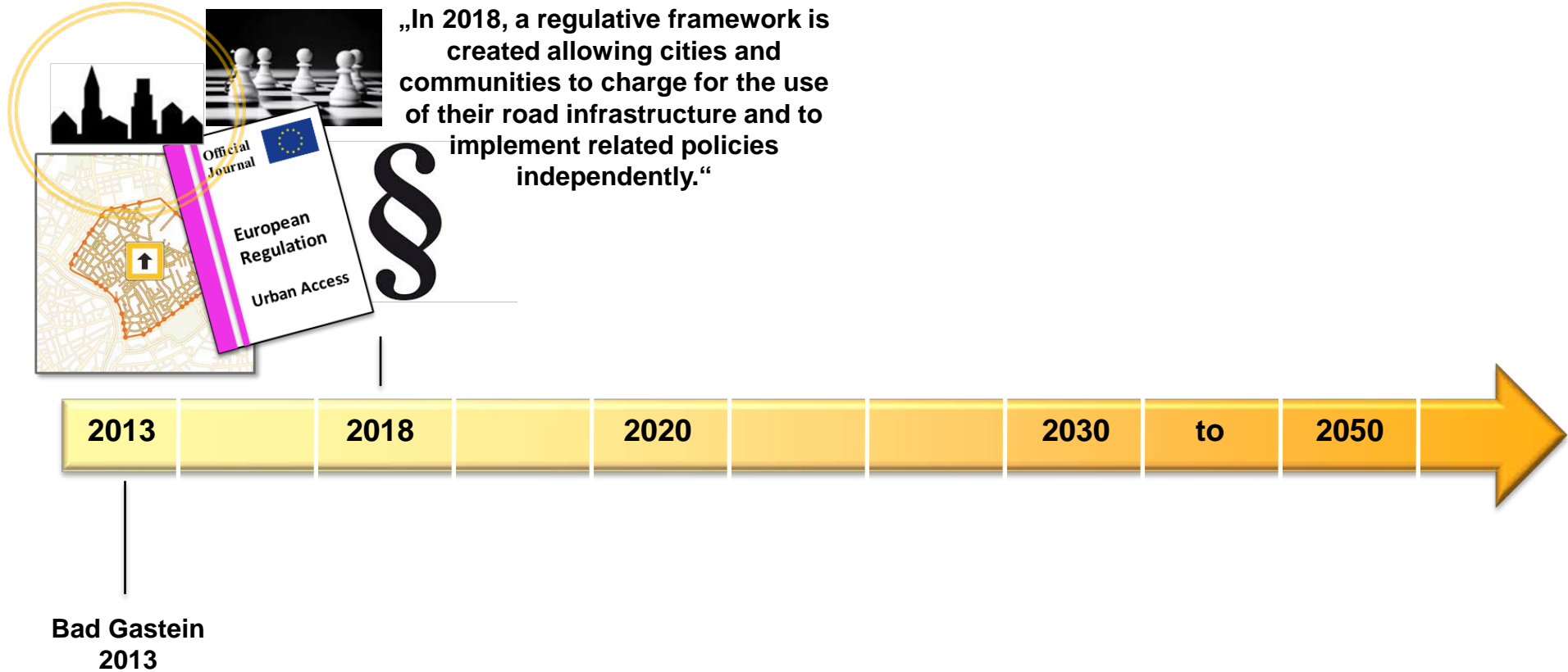
... Short distances
 ... Trip planning reliability
 ... To contribute to a cleaner environment
 Willing to pay for adequate level of service and better quality of life

Local Empowerment:

- Self-definition, Positioning
- Fiscal powers for road user charges

..... leads to improvement of the price/ performance ratio of the public service
..... user acceptance through transparency and use of funds (... As important as revenue neutrality ... OECD/ITF 2010)

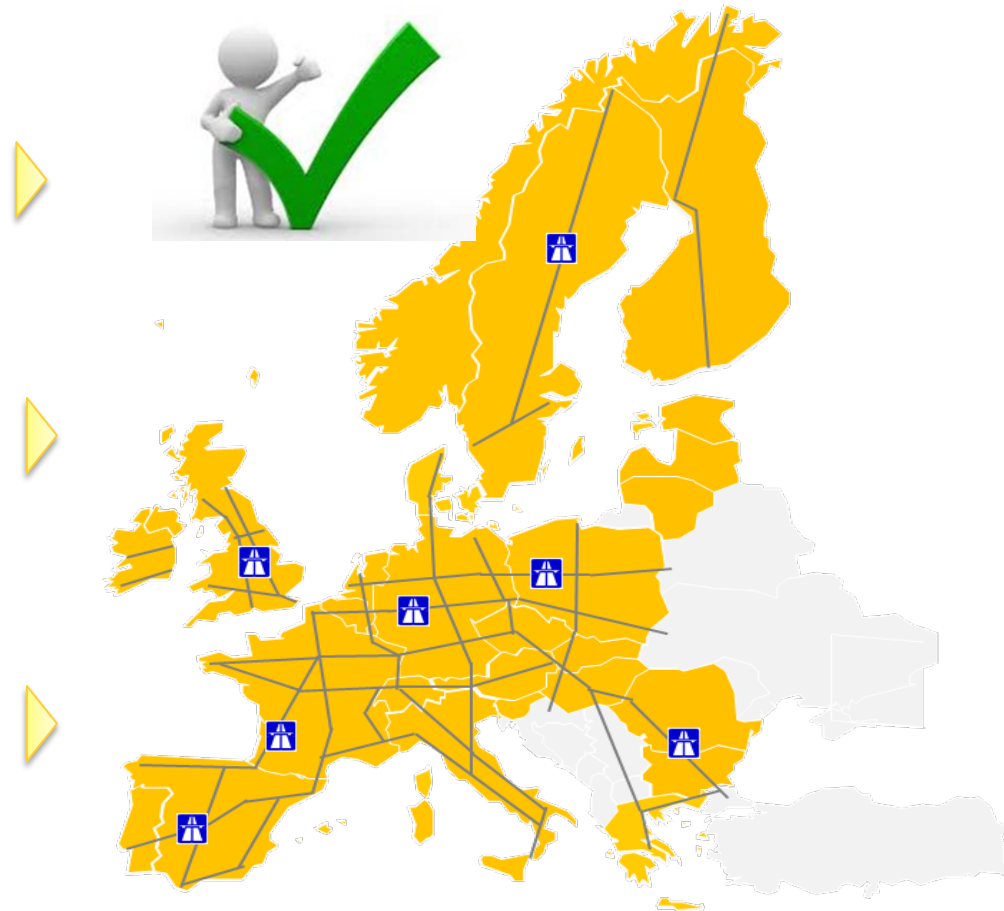
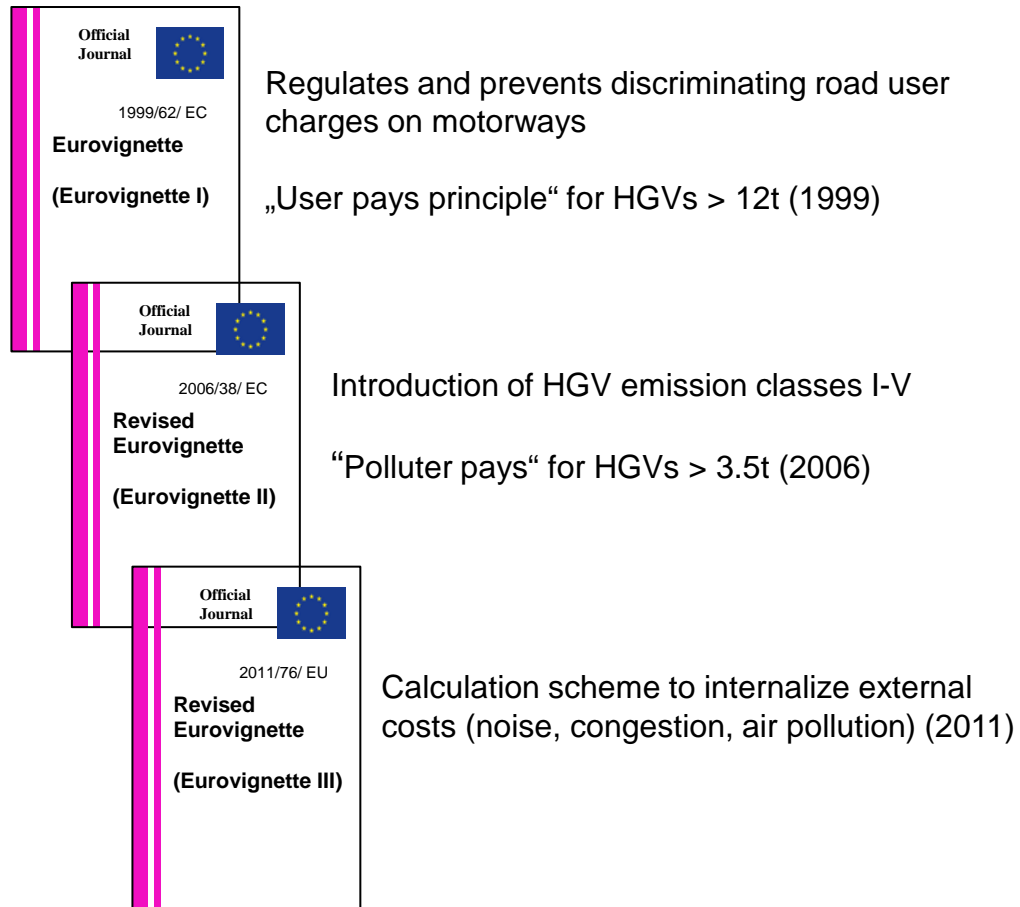
Perspective/Strategy.





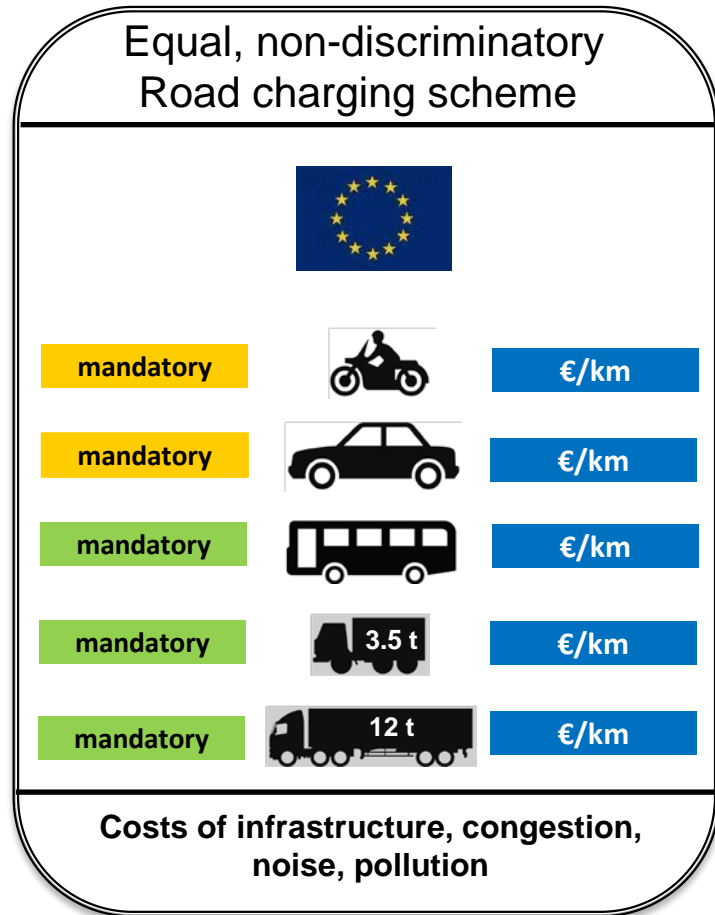
2020. Equal, non-discriminatory rule application, fair access and development of the „user- and polluter pays“ principles.

Situation. Development of the “user and polluter pays” principles.



Art 191/2 EU Treaty: “..the polluter should pay”

Strategy, what to do. Fair and effective application of rules.



Art 18 EU Treaty: Non-discrimination on grounds of nationality

■ Legislation to make sure that users rather than taxpayers are to pay the infrastructure they use:

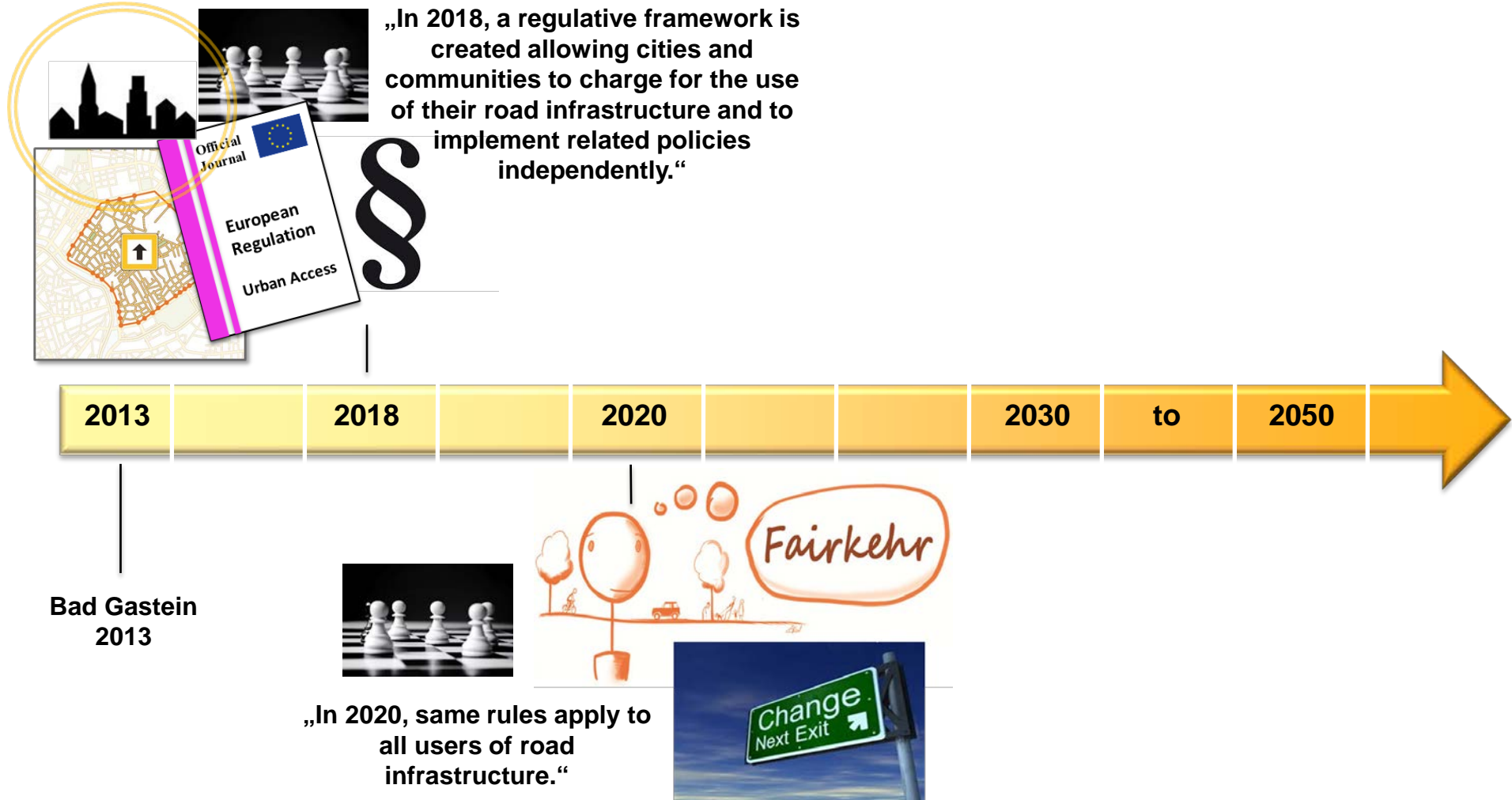
- Consistent application of “user- and polluter pays” principles
- Phasing out vignettes, make tolls the only legal way of charging vehicles for road use (time-based => distance-based charging)
- Dynamic pricing according time and place (long-term)
- Replacing distortionary taxes and subsidies with fair pricing (e.g. policy recommendations for Austria, OECD economic peer review, July 2013)
- Principles of Non-discrimination, Proportionality, Fairness

..... leads to „Value Pricing“

..... user acceptance through transparency and revenue allocation (... as important as revenue neutrality ... OECD/ITF 2010)



Perspective/Strategy.



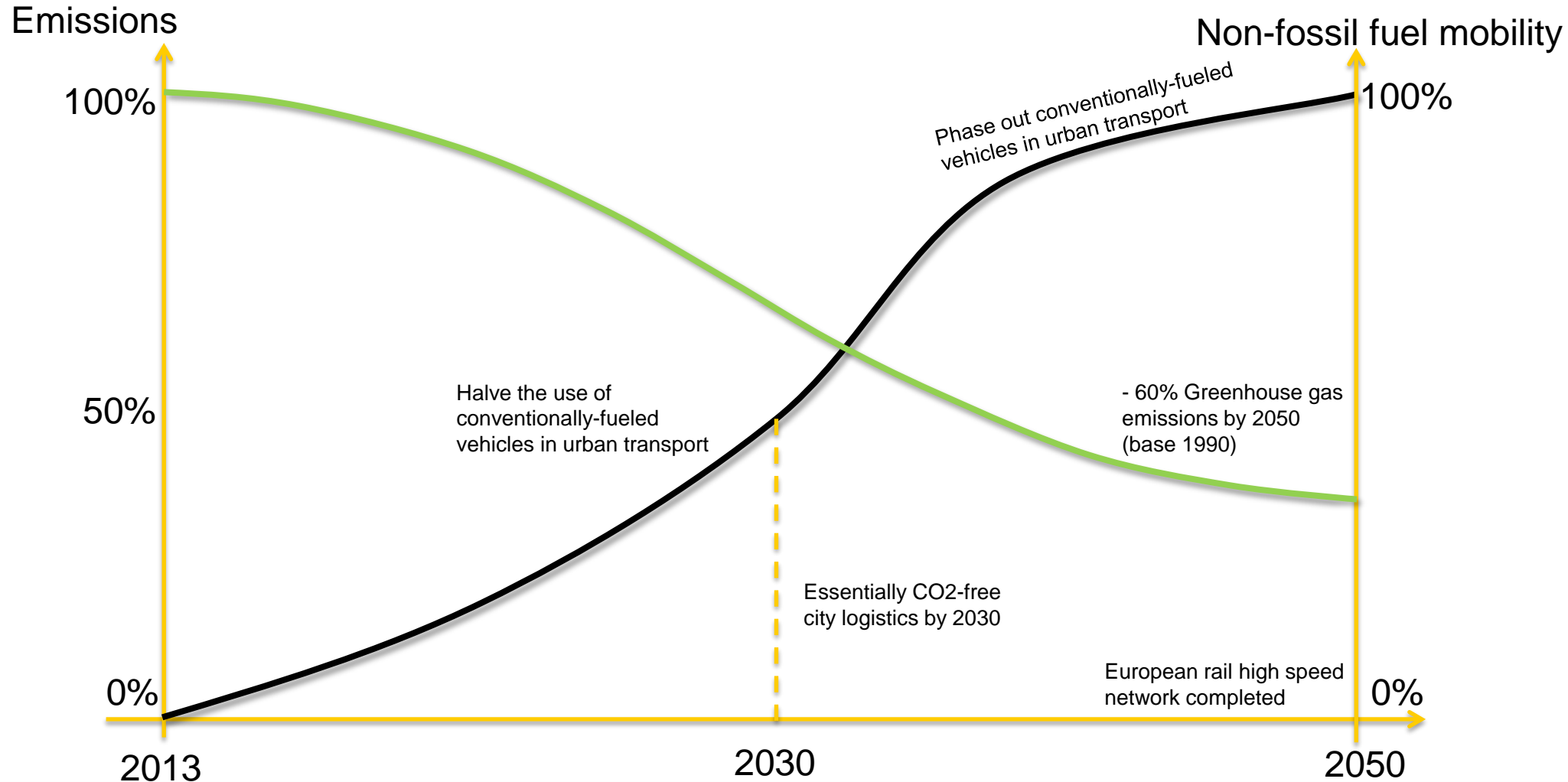


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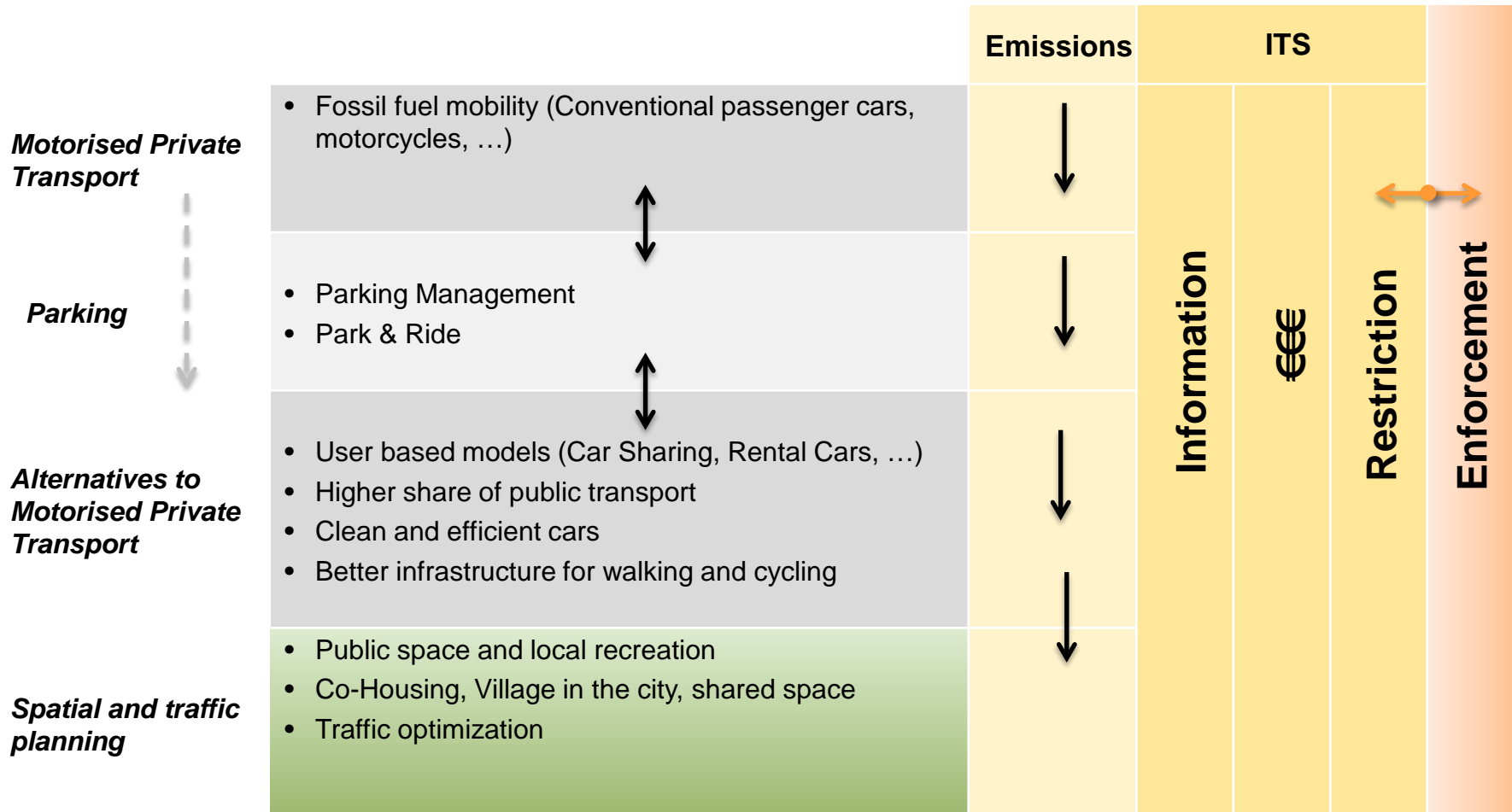
2YAWJA

2030/2050. Halving/banning the use of conventionally-fueled vehicles in urban transport.

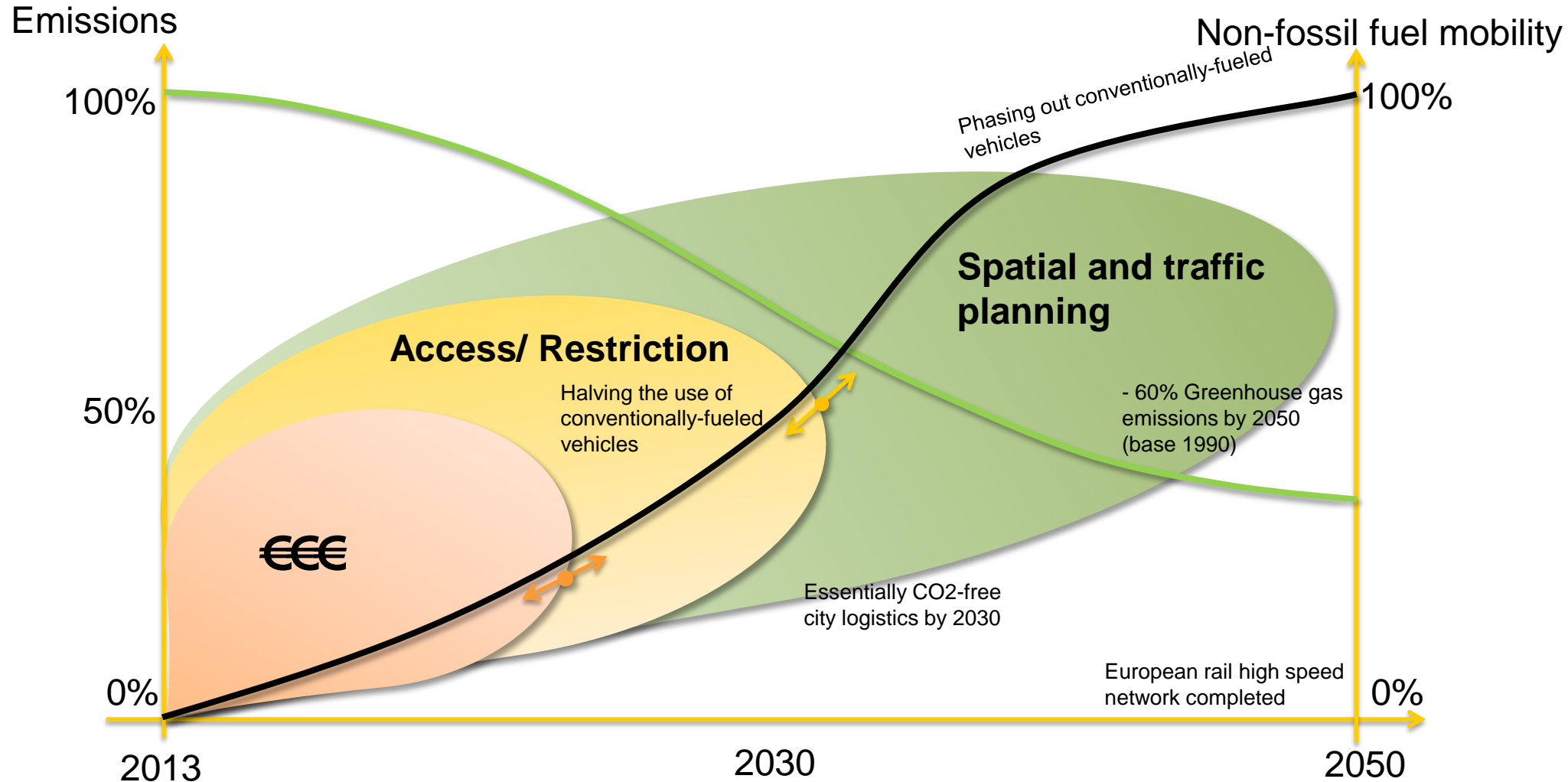
Situation. Requirements on European level (EU 2011 White Paper)



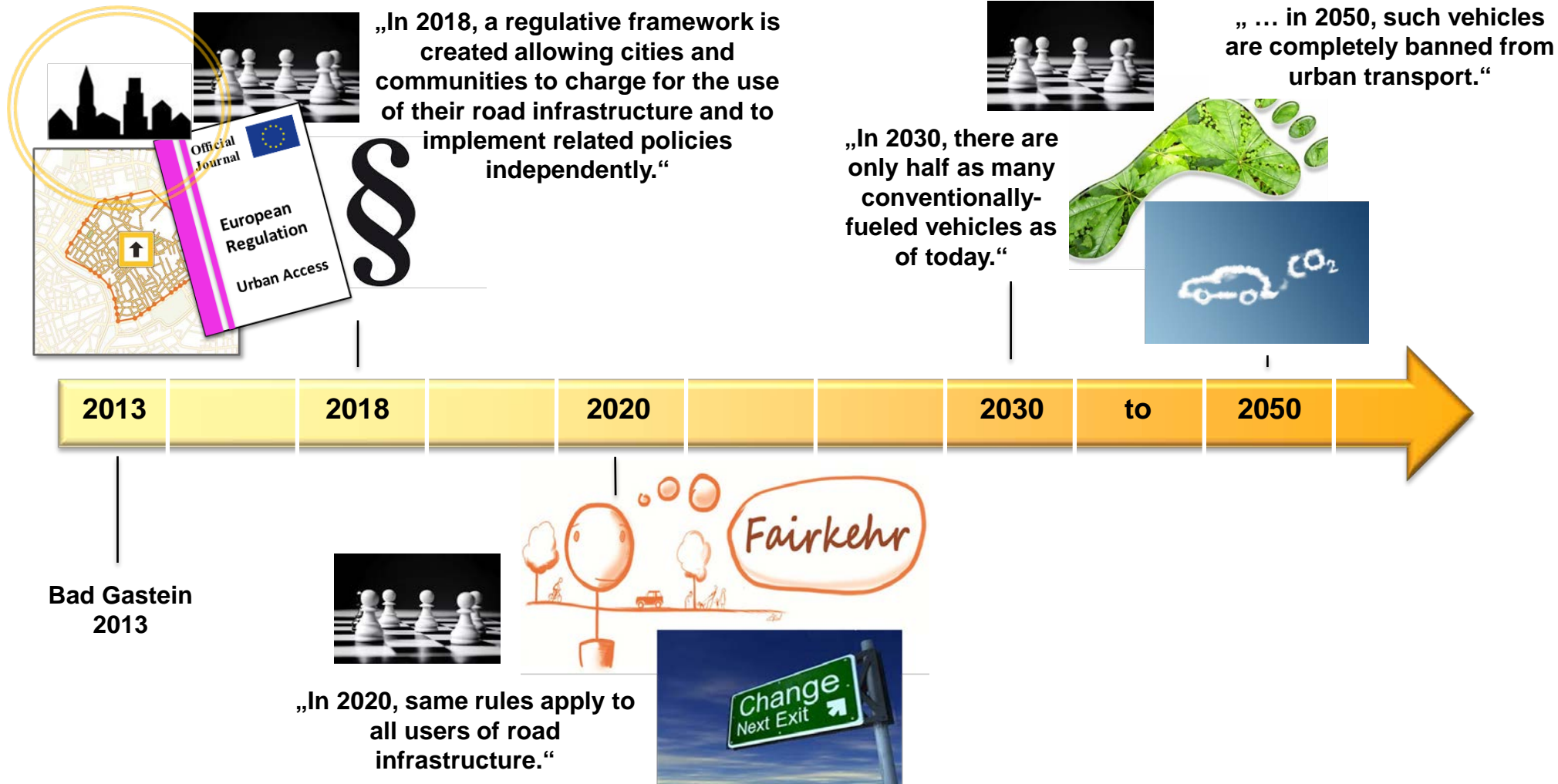
Strategy, what to do. Operationalising the 2011 EU White Paper.



Implementation in the temporal context.



Perspective/Strategy.





Kapsch TrafficCom.

“We can't solve our problems by using the same kind of thinking we used to create them..” (Albert Einstein)



Keywords. To develop the future – An eco-friendly transport infrastructure.

Assumption: Conventional challenges are valid

- Scarcity of resources, Urbanization, new technologies, ...
- Two topics through all perspectives; environment & volume (scale of infrastructure, traffic volume)
- Traffic infrastructure shapes mobility. Mobility shapes quality of life.
- Traffic infrastructure is the basis of an integrated single market.

“Transport of values”

- High/Adequate service of (traffic) infrastructure has a value. Pricing as the fine-tuning tool.
- Challenges do not stop at national borders. Value projection? To promote a set of rules?
 - Across governments and organizations (UN, EU, OECD, ...)
 - Across the private sector, to the advantage of the economy (Green Industry, Green Jobs, competitive advantages, value chain, ...)

