

Transit Coordination (not Consolidation)

Example of the Stuttgart Germany Region

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Transportation Choices for Sustainable Communities

Agenda

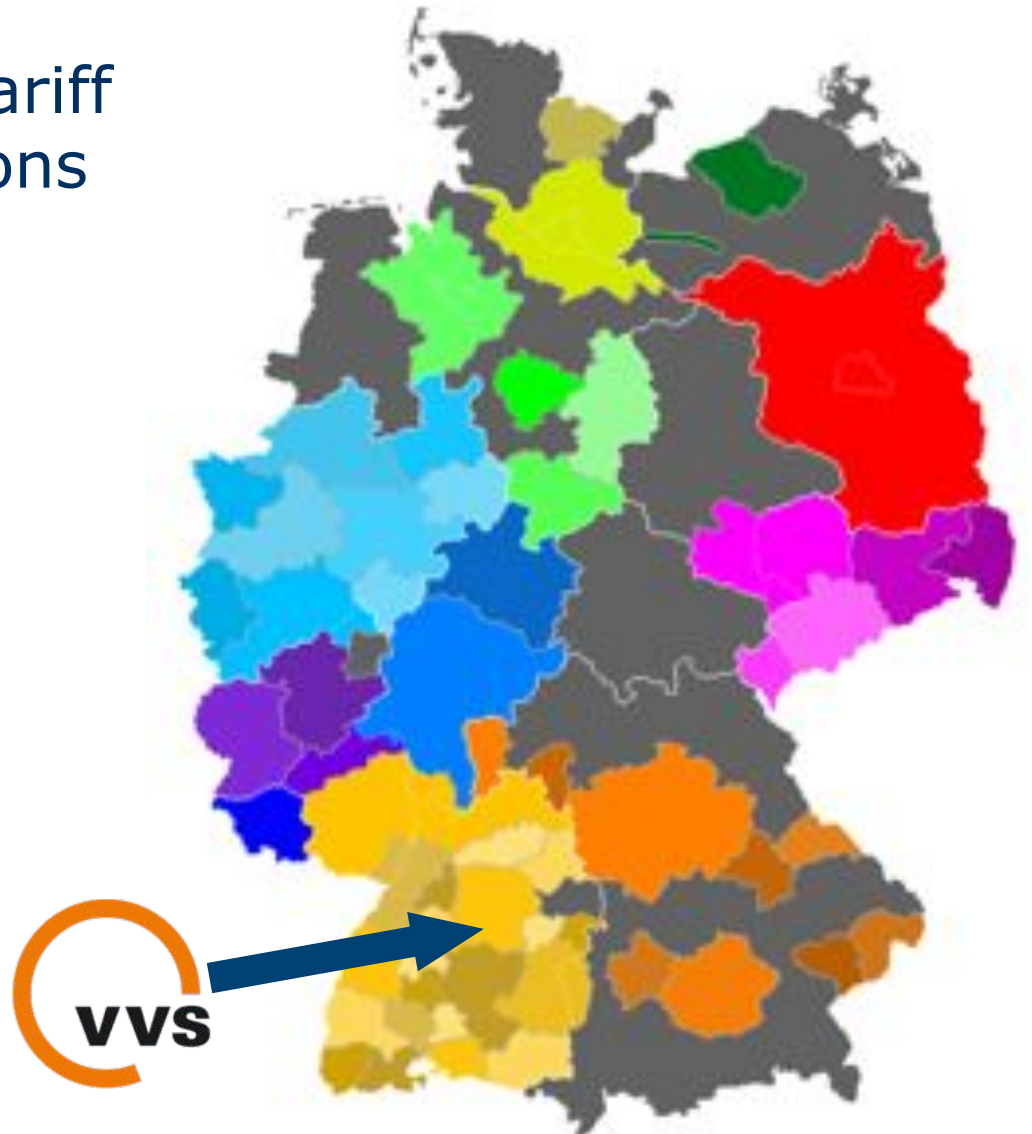
- Origin of Verkehrsverbund
- Problems that it solves
- Possible models
- The Stuttgart Solution

Verkehrsverbund / Transit Enterprise or Transit Federations

- Originated in Hamburg Germany in 1964.
- The concept was to “coordinate” not “consolidate”.
- The successful model quickly spread to other cities in Germany, then virtually all of western Europe.
- They now also exist in South Africa (Raboroko & Whitehead, 2009) and Brazil (Peixoto, 2009).
- The Association of European Metropolitan Transport Authorities (EMTA) was formed in 1998 to serve as “venue for exchange of information/best practices”.
- Closest North American model is Montreal.
- San Diego MTA has some features.

Coordinating Level: Tariff & Transit Organizations in Germany

- About 65 different Tariff & Transit Organizations in Germany
- Main Task:
 - Standard fare in the region
- Many different organization models
- Stuttgart: VVS



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Coordination helps with at a minimum:

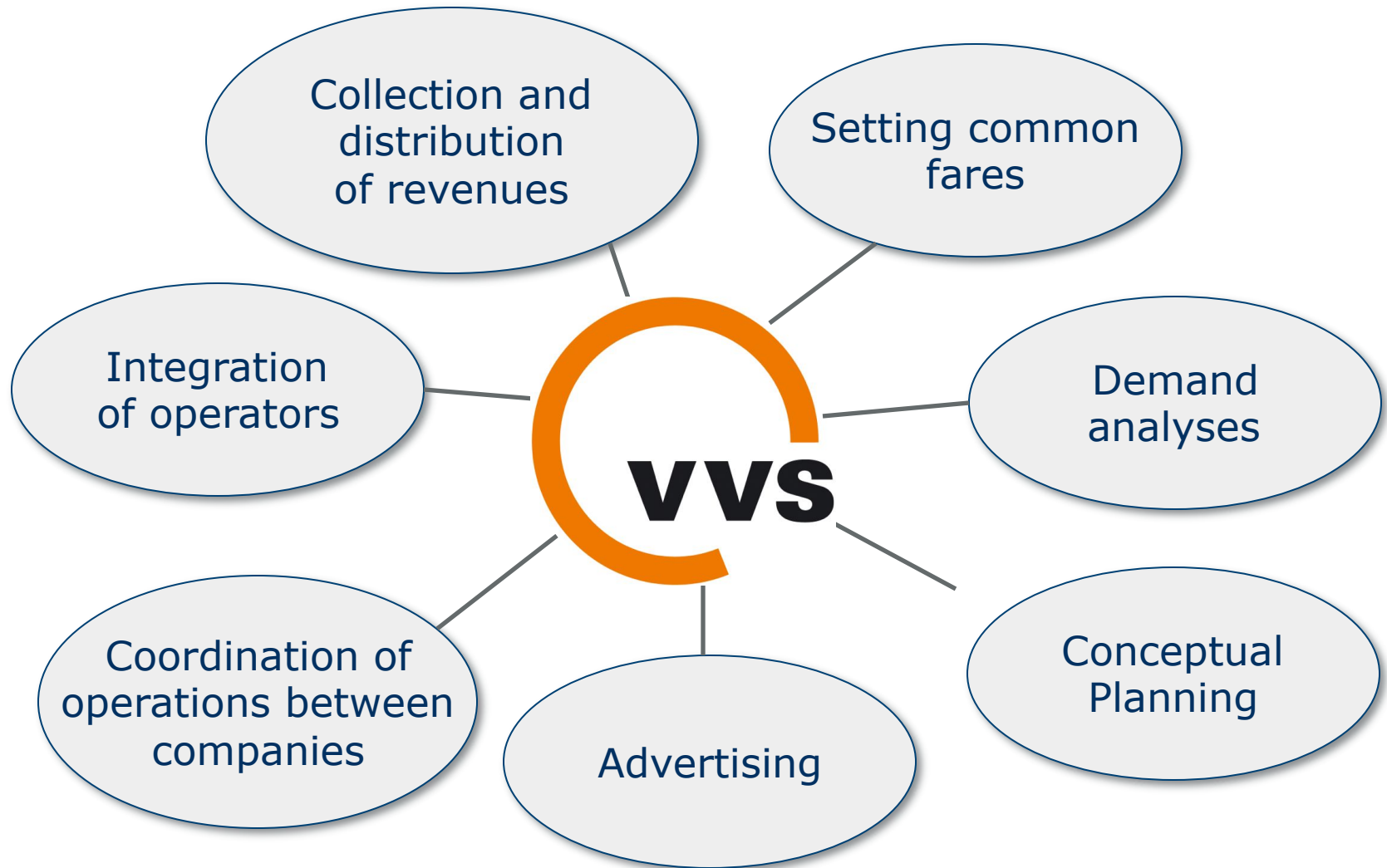
Good Connections



Attractive Fares & Ticketing Policies

1. Fahrt		Karten
A. Fokweg (ca. 7 Minuten)   3m Stuttgart Schöckeneckstraße 50 SSB-Zentrum		 
B. S-Bahn U3 Richtung Vaihingen ab 14:51     an 14:55    		   
C. S-Bahn S3 Richtung Backwang ab 15:00     an 15:19    		   
D. Bus 54 Richtung Wippenbergstraße ab 15:25     an 15:31    		   
E. Fokweg (ca. 2 Minuten) Fried-Wilhelm-Platz Stuttgart Mercedesstraße 97		 

Many Potential Duties of a Transit Federation



Public transport service in the Stuttgart Region



Regional Trains

- Lines: 17
- Operators: 2



S-Bahn (Commuter Rail)

- Lines: 6
- Operators: 1



Light Rail

- Lines: 16
- Operators: 1

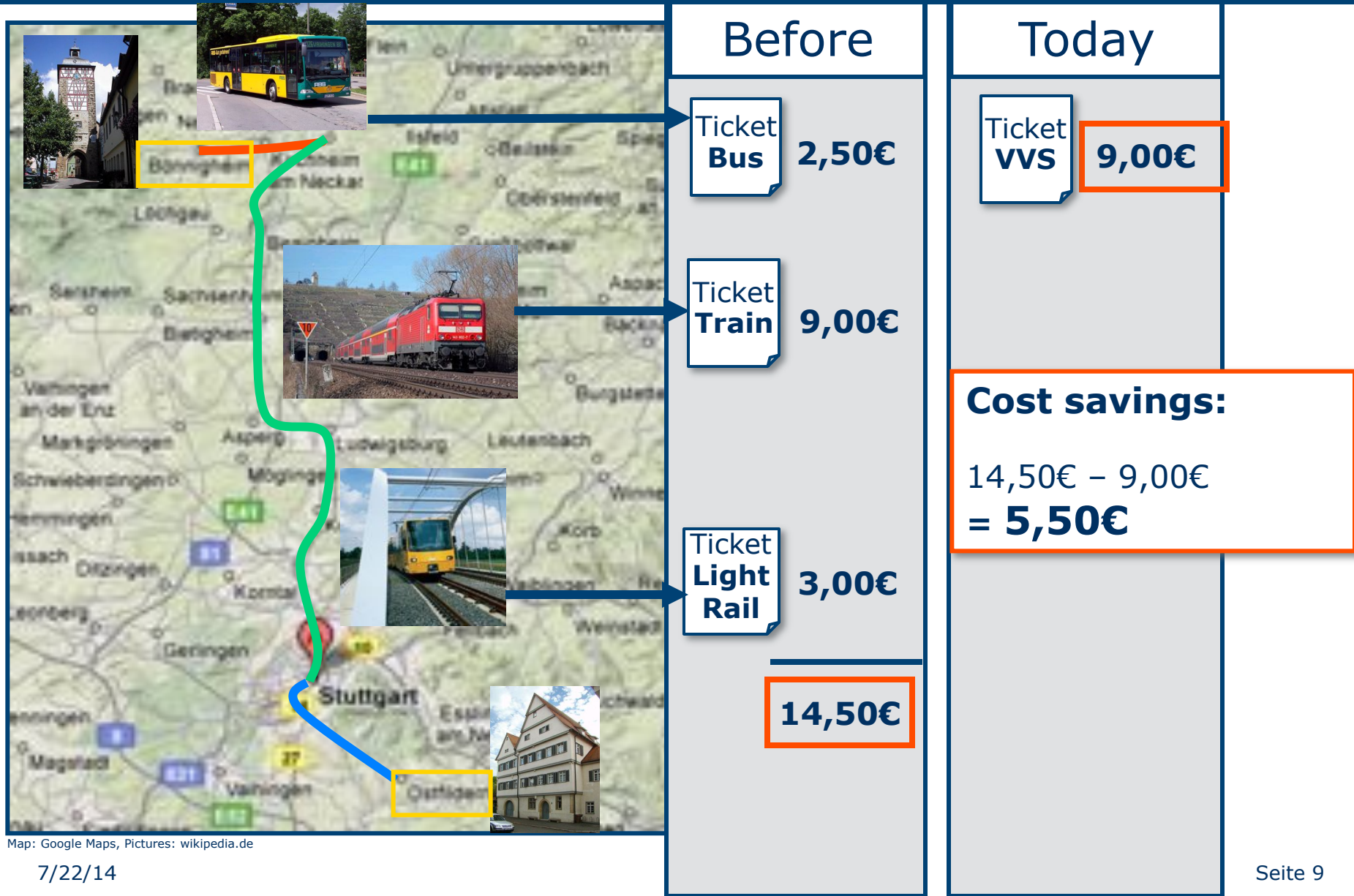


Buses

- Routes: 358
- Operators: 42

**Integrated Service!
One Ticket
One Schedule**

Fares before and after coordination



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A bit of theory:

3 Level Model for Organizing public transport

Public Authority-Level

State

City

District

- Traffic Plans
- Order transport services
 - Definition of quality standards
 - Choice of operator
- Finance traffic

Coordinating -Level

Local transport-
organization

Transport association

- Integrate, coordinate
- Service planning
- Quality management
- Marketing
- ...

Operator -Level

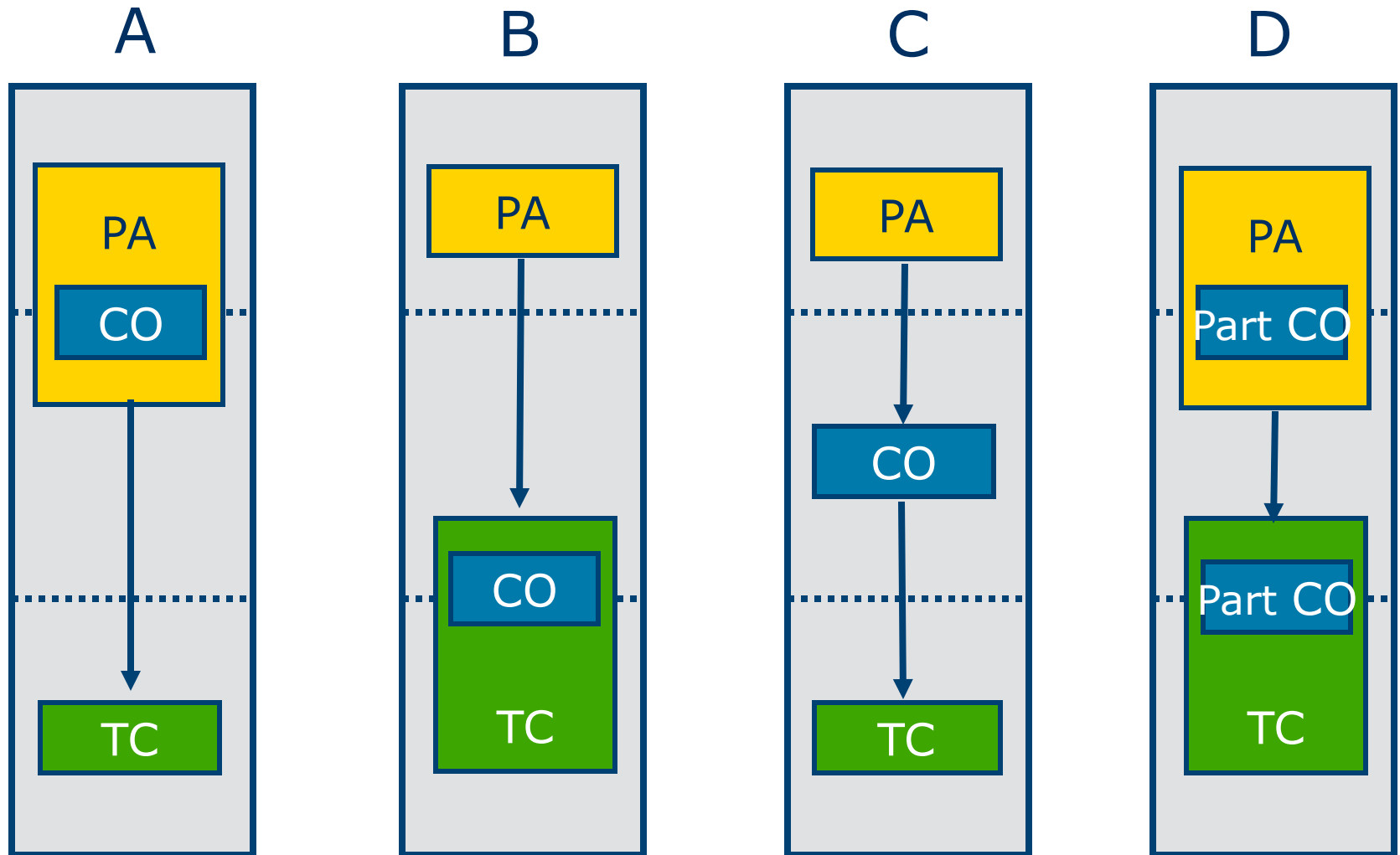
Communal
Transport companies

Private
Transport companies

- Operate transport
- Maintain infrastructure
- Sales / Marketing
- ...

Standard model of public transport organization

- In Germany there are many variations



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Stuttgart Area Public Agencies:



**State of
Baden-
Württemberg**



179 municipalities

City of Stuttgart

4 Counties / Districts

The missing link
COORDINATION



VVS Role

- Standardizing fares
- Collecting and distributing revenues
- Coordinating operations

Transit OPERATORS - 45 companies/agencies and 6 modes

Deutsche Bahn AG



**Regional Train
Services**



S-Bahn Services



**Stuttgarter
Straßenbahnen AG**



Light Rail Services



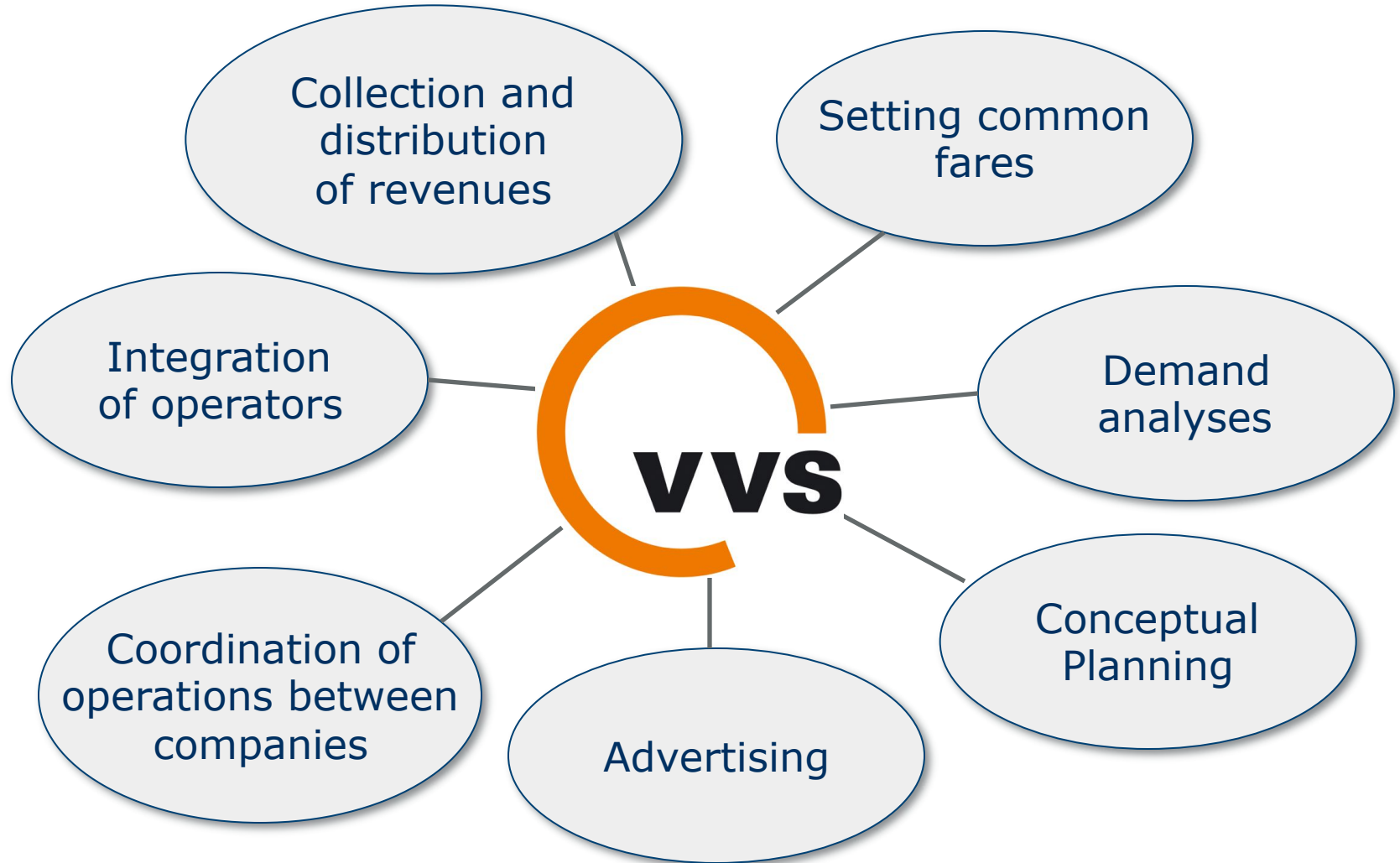
**42 public and
private bus
companies**



Bus Services



VVS – Tariff & Transit Organization for the Greater Stuttgart Region



Various forms of management within VVS

U Light Rail



- Ordering transport services
- Financing

CO



- Standardizing fares
- Collecting and distributing revenues
- Coordinating operations

TC
SSB

- Transport planning
- Operation
- Provision of vehicles
- Building Infrastructure
- Maintenance
- Marketing

S S-Bahn



- Ordering transport services
- Financing
- Transport planning
- Vehicles

CO

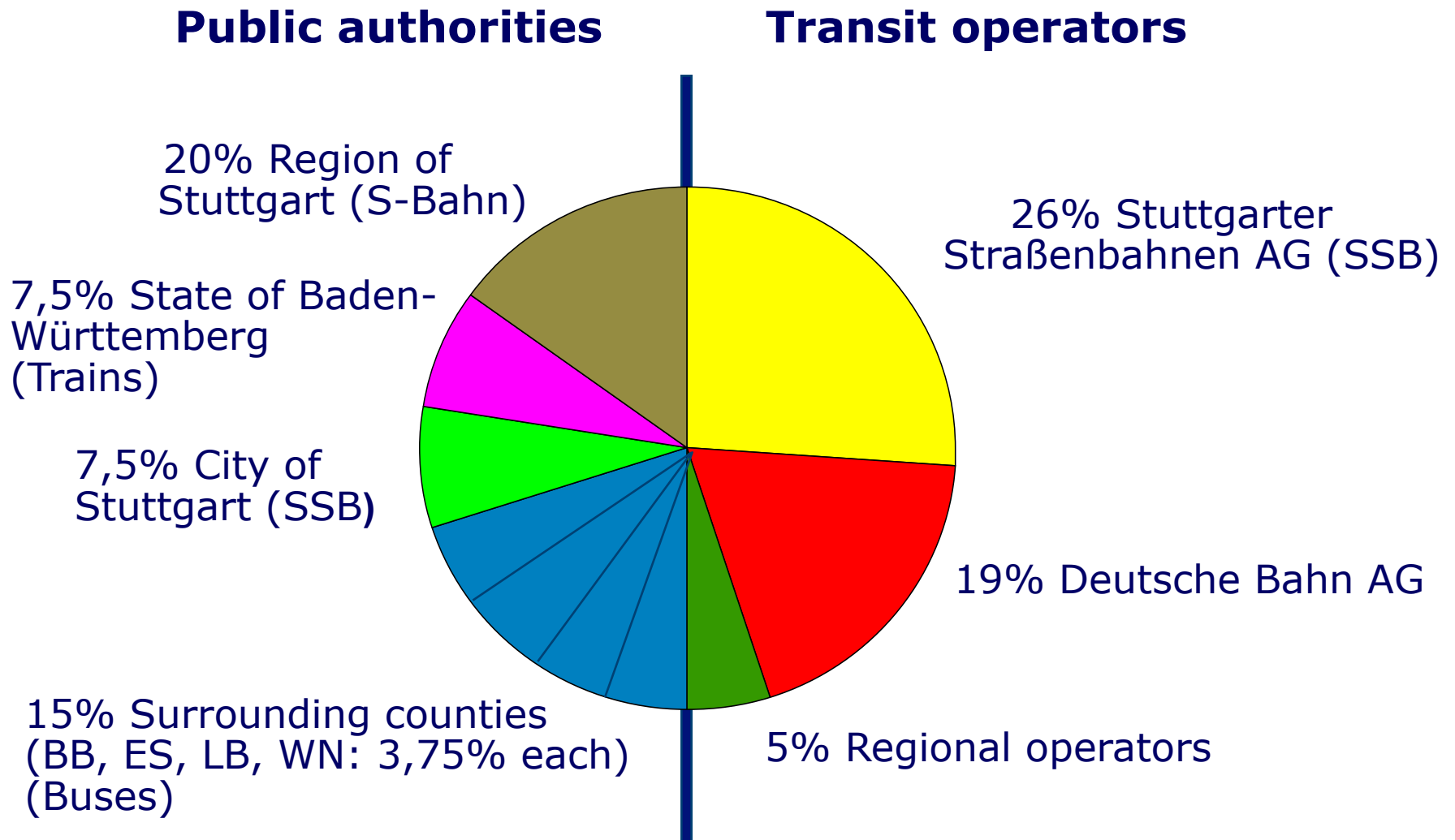


- Standardizing fares
- Collecting and distributing revenues
- Coordinating operations

DB BAHN
TC

- Sales
- Maintaining infrastructure
- Marketing

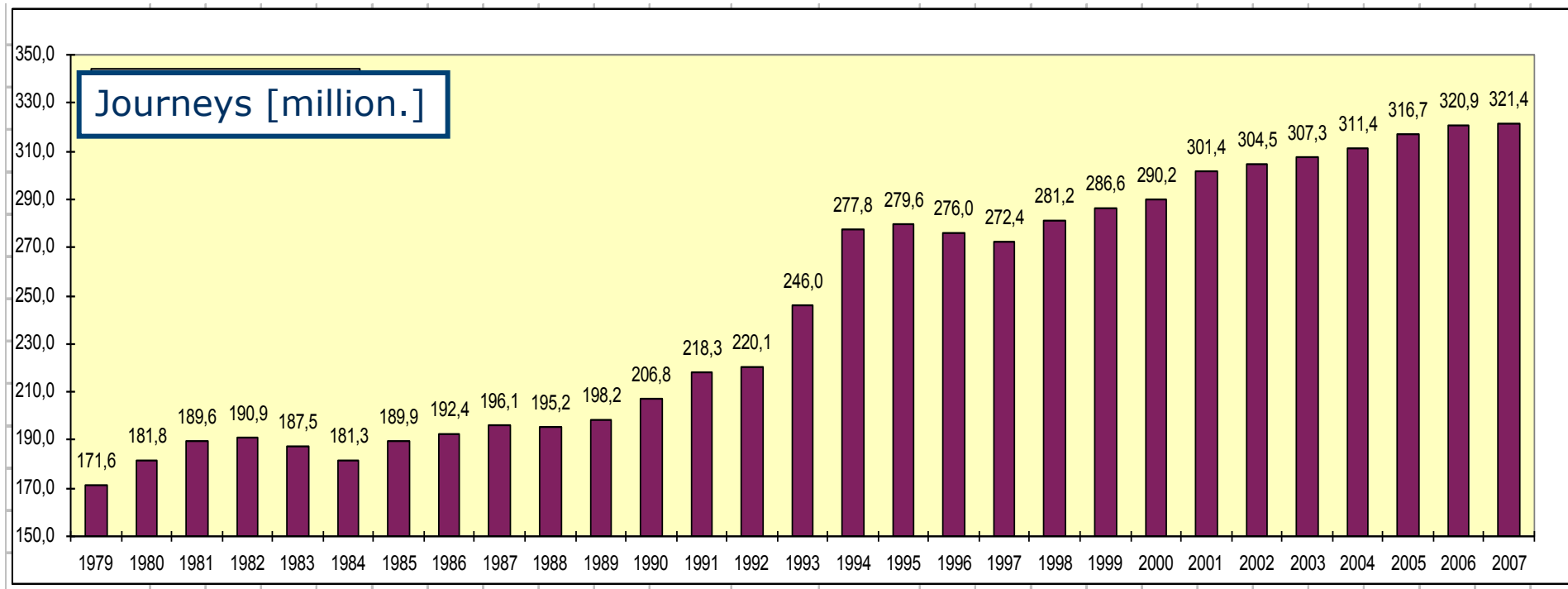
Board of Directors of VVS



Conclusion

- There is no “right” or “wrong” choice of governance structures
- It is important that
 - ⌘ The chosen model suits the local conditions
 - ⌘ The agreements suit all participating organizations
 - ⌘ A good service is provided to residents and passengers
 - ⌘ Questions about financing are clearly settled

Journeys per year 1979 - 2007



- Since 1979 the number of journeys has almost doubled in the Stuttgart region
- Today there are over 325 Million journeys per year

Thank you!

