



Schweizerische Eidgenossenschaft  
Confédération suisse  
Confederazione Svizzera  
Confederaziun svizra

Federal Department of the Environment, Transport,  
Energy and Communications DETEC  
**Federal Office of Transport FOT**  
Policies Division

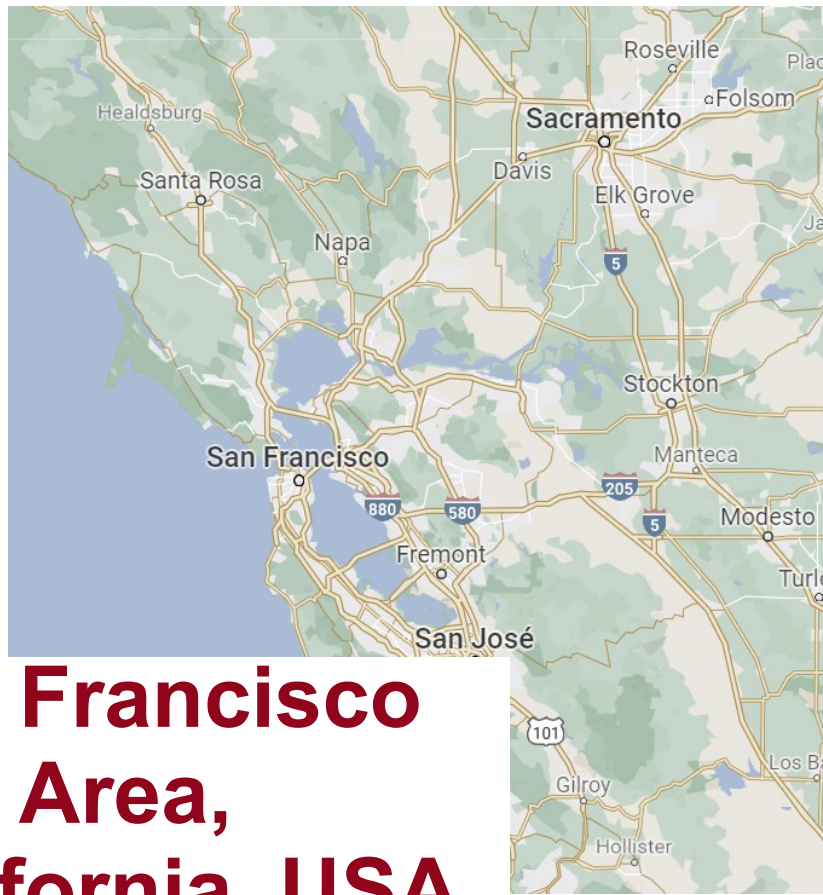
# The Swiss railway system - Infrastructure, transport, policy

**1<sup>st</sup> February 2022**

**Federal Office of Transport FOT**

**Anna Barbara Remund, Vice-Director**





## San Francisco Bay Area, California, USA

Population: 7,753 Million  
Surface: 22,789 km<sup>2</sup>



## Switzerland

Population: 8,637 Million

Surface: 41'285 km<sup>2</sup>

7,9 % Settlement Area

67 % Forested Area, Agricultural Zone

25,1 % non productive Surface

458 Transportation Companies (80 Railway Companies)



# Roles of the different actors in PT in Switzerland

Governmental level

Confederation - FOT, cantons and municipalities



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Federal Office of Transport FOT

Semi-public level

 **SBB CFF FFS**



Verband öffentlicher Verkehr  
Union des transports publics  
Unione dei trasporti pubblici

Alliance  
Swiss  
Pass<sup>+</sup>

Private level

**FAIRTIQ**

And many others...

**mobility**



# Roles of the different actors in PT in Switzerland

Governmental level



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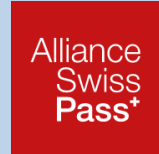
Confederation - FOT, cantons and municipalities

Organization / Role	Legislation	Planning/ Financing infrastructure	Ordering / financing service	Safety authority
FOT (federal level)	National framework	Railway	50% Regional Service	Infrastructure, Services
Cantons (26)	Cantonal level	Roads	- 50% Regional Service - Local service	n.a.
Municipalities (2000+)	n.a.	n.a.	- Local service	n.a.



# Roles of the different actors in PT in Switzerland

Semi-public level



## Organization / Role

SBB	Biggest PT service provider; 100% owned by confederation; important role for entire PT-system
VöV (PT association)	Political lobbying, coordination of PT-providers, exchange of experiences,
Alliance Swiss Pass	in charge of tariffs (on behalf of the PT service providers)



# Roles of the different actors in PT in Switzerland

Private level

mobility

FAIRTIQ

And many others...

## Organization / Role

PT Service  
Providers

Producing / implementing offers, defining tariffs

Private  
undertakings

Suppliers for PT service providers, e.g. fairtiq, Baetzner  
Metropolitan





# Roles of the different actors in PT in Switzerland

Governmental level

Confederation and cantons



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# Main topics

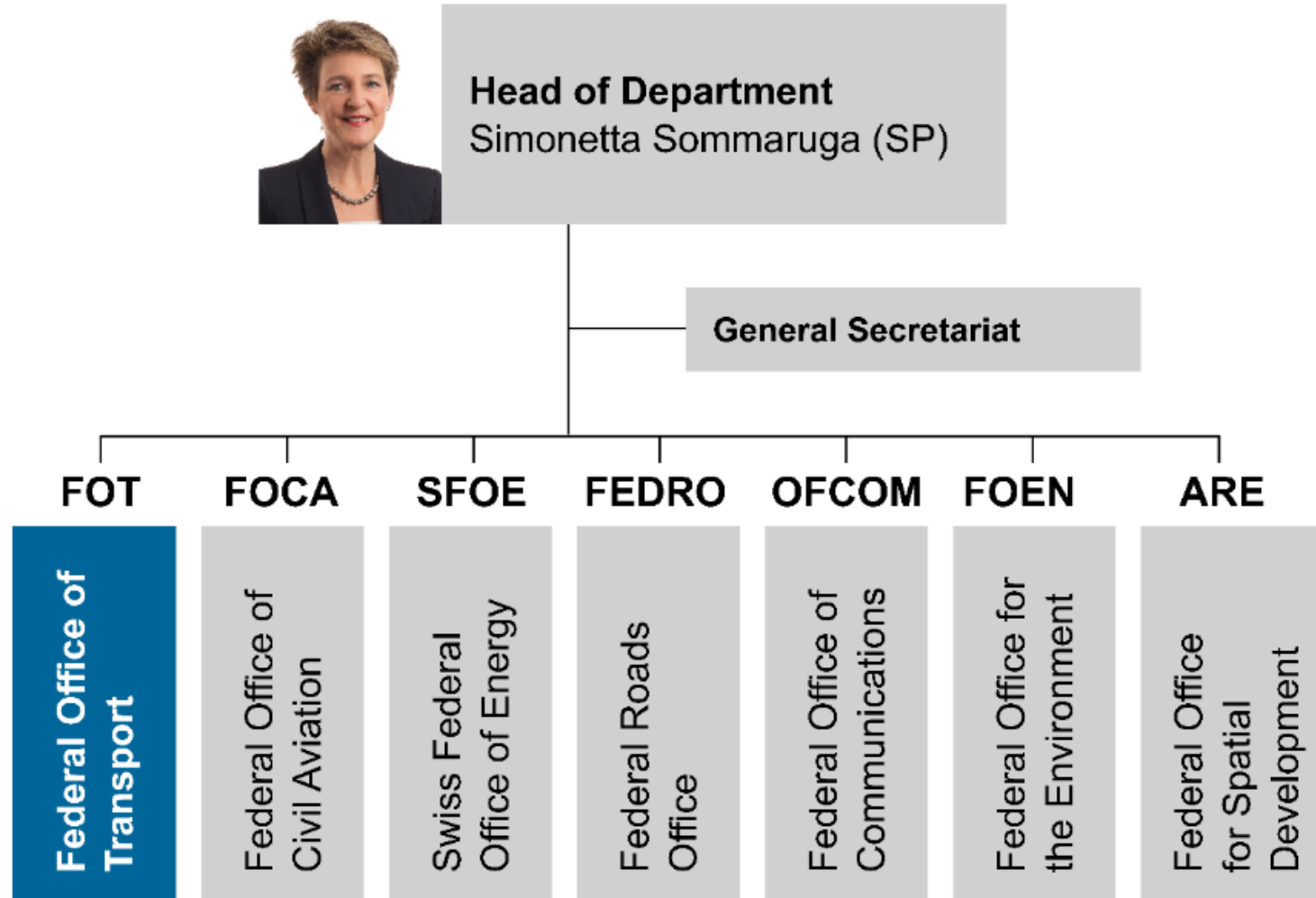


- The Federal Office of Transport and the Swiss transport policy – Facts and Figures
- Public transport – Basic principles for easy use
- Planning and financing
  - Infrastructure
  - Service offers
- Conclusion and Discussion





# The Federal Office of Transport (FOT) is part of the Infrastructure Ministry (DETEC)





# The Federal Office of Transport's tasks

- Public transport (railways, tramways, cableways, ships and buses) and freight transport by rail and road
- Safety monitoring, financing, planning, approval and regulation



# The Swiss transport policy in brief

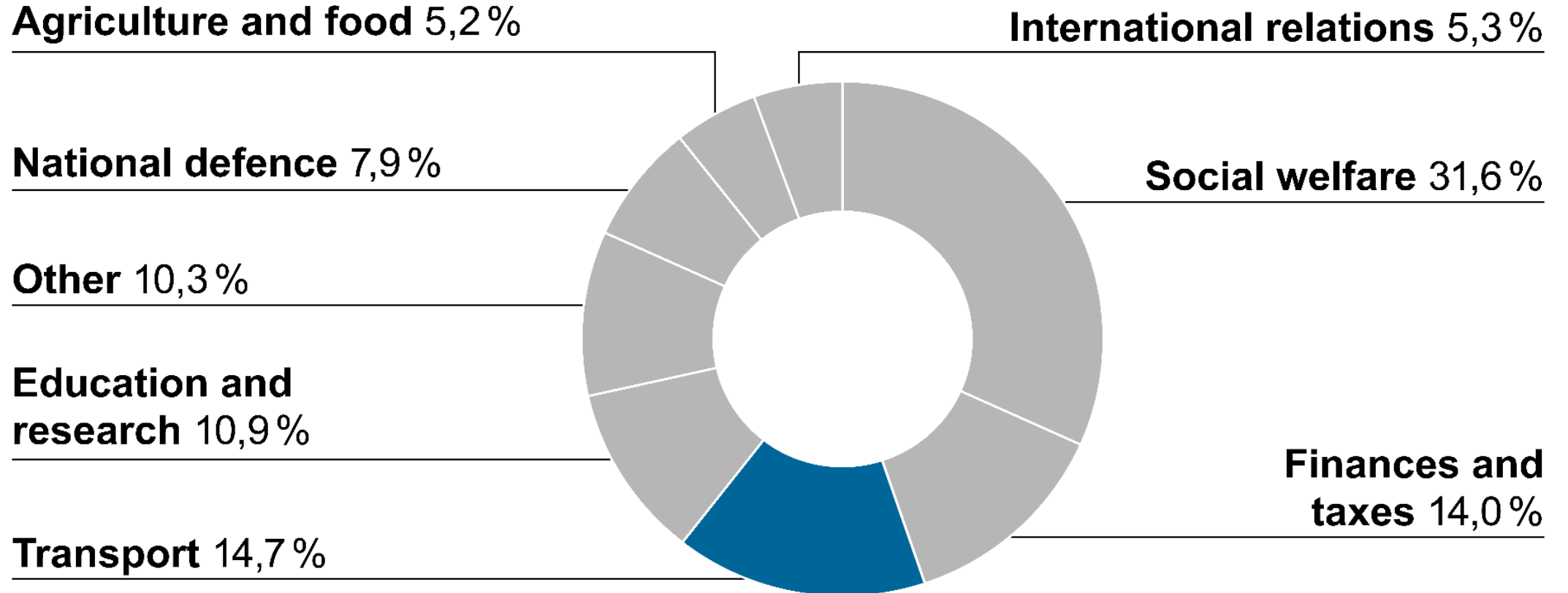


Development of...

- ...an eco-friendly and socially sound transport system...
- ...which is effectively organised...
- ...and embedded within the European context



# Transport represents a significant cost centre in the federal budget



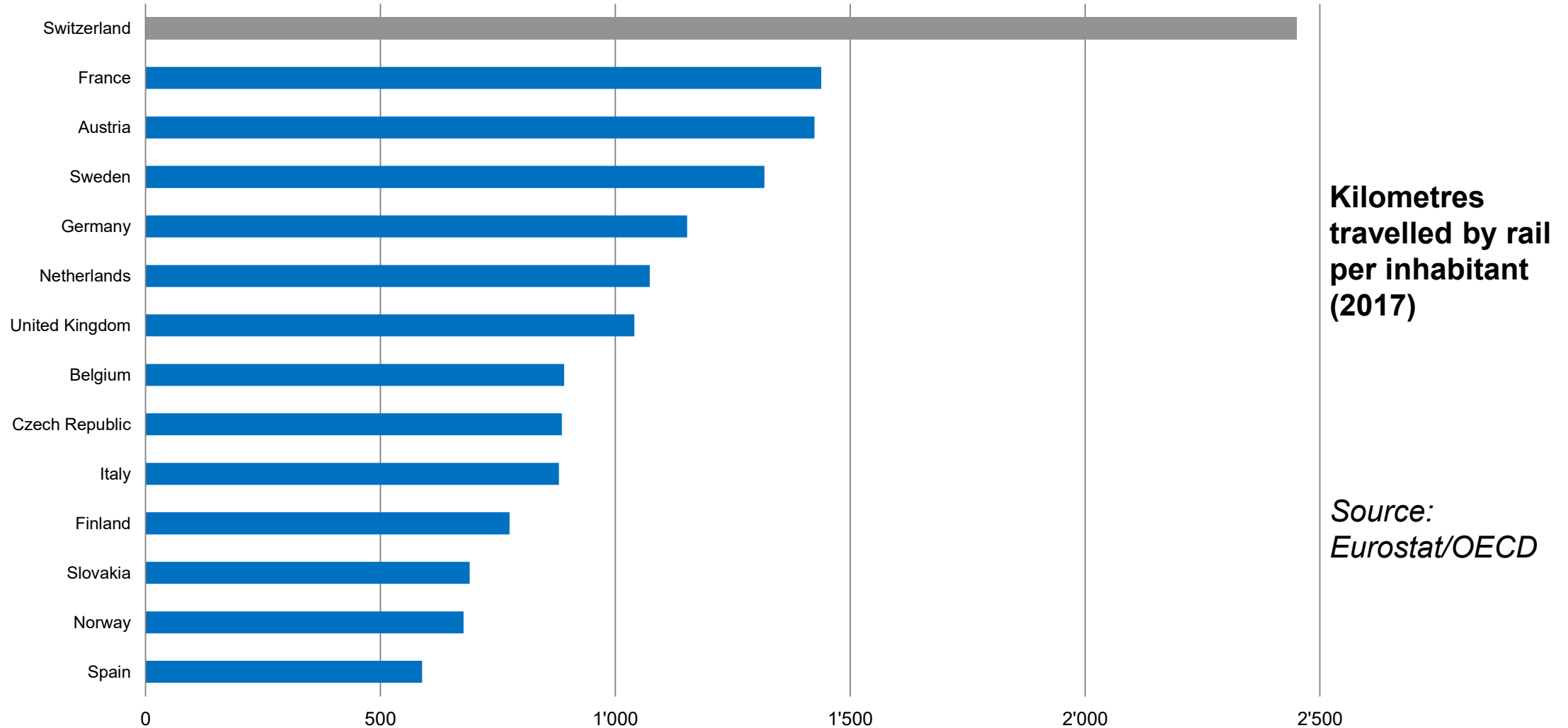
Source: FFA / Ordinary expenditures 2018





# Public transport – Basic principles for convenience

## Switzerland - A country of train travellers



**Kilometres travelled by rail per inhabitant (2017)**

*Source: Eurostat/OECD*



# Four modes of transport – a single public transport system





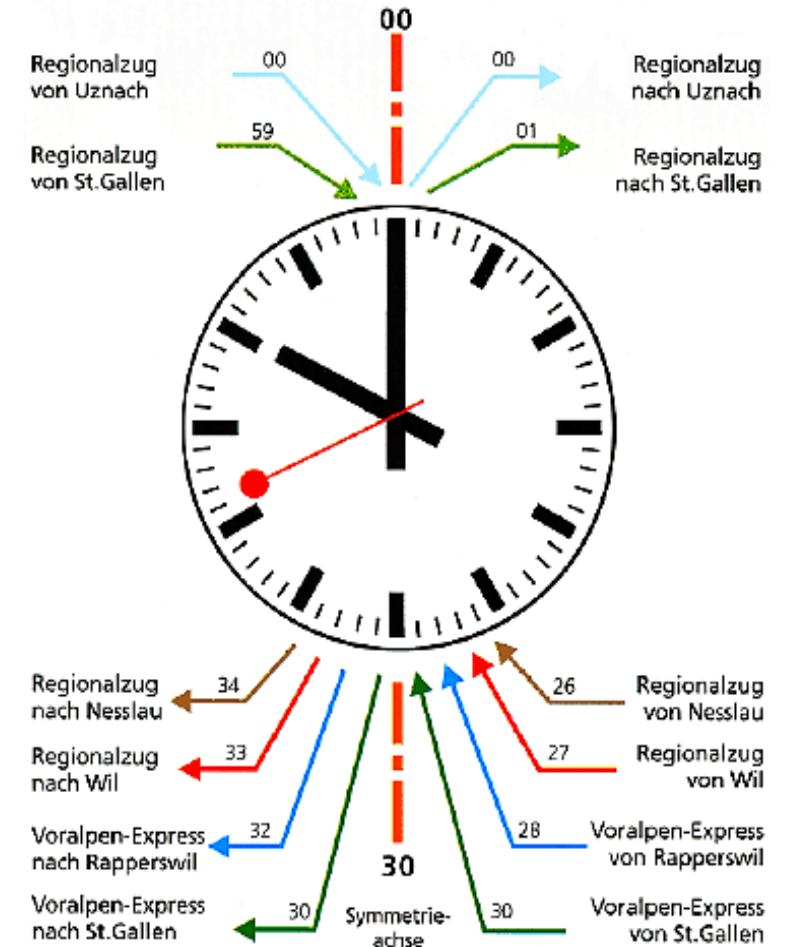
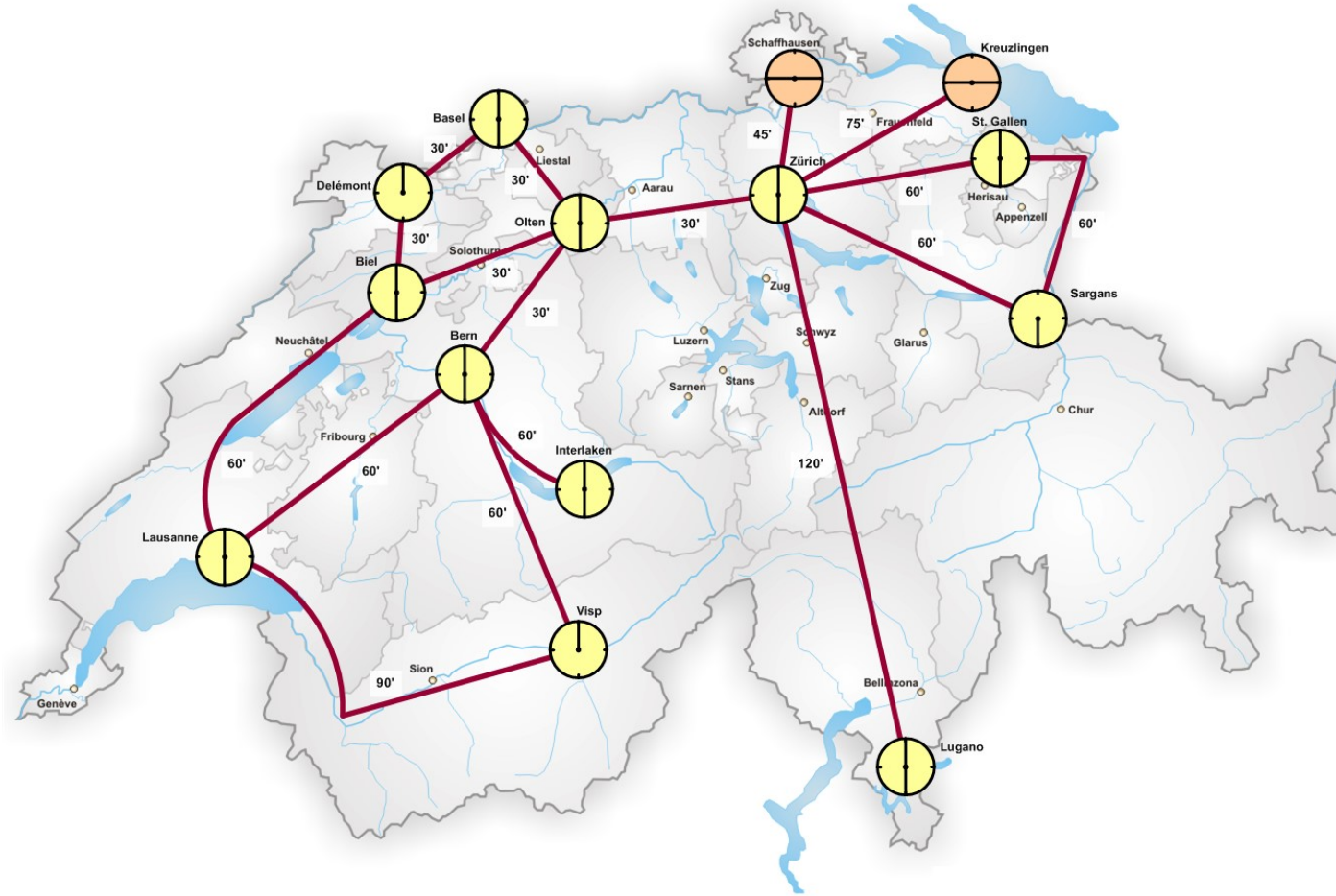
# Public Transport as ONE system

- One ticket for the entire system («direct service»)
- Legal obligation for all PT providers
- Requires close cooperation/coordination between PT providers  
→ Alliance SwissPass





# Nodes for passenger transport





# System Leadership: “one for all”

- One PT service provider is responsible for the entire sector for a certain domain / task.
- Financed 100% by confederation (FOT)
- Goals: assuring user-friendliness, efficiency, quality, interoperability
  
- Example:
  - Making timetables and real-time information accessible for public transport in Switzerland
  - System Leader: SBB
  - Product: [www.opentransportdata.swiss](http://www.opentransportdata.swiss)  
→ open data platform



# Main topics



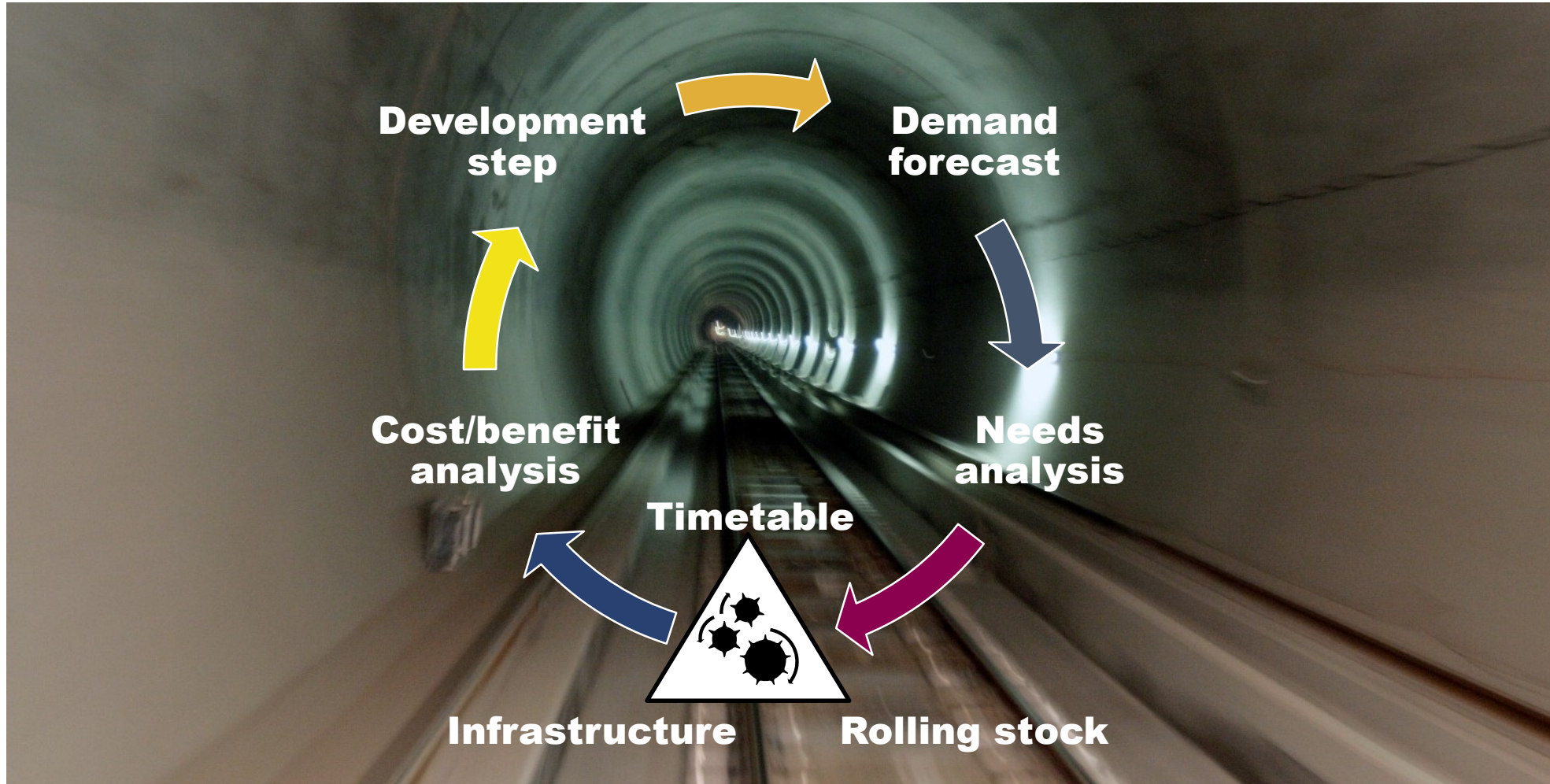
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# Planning and financing - Infrastructure

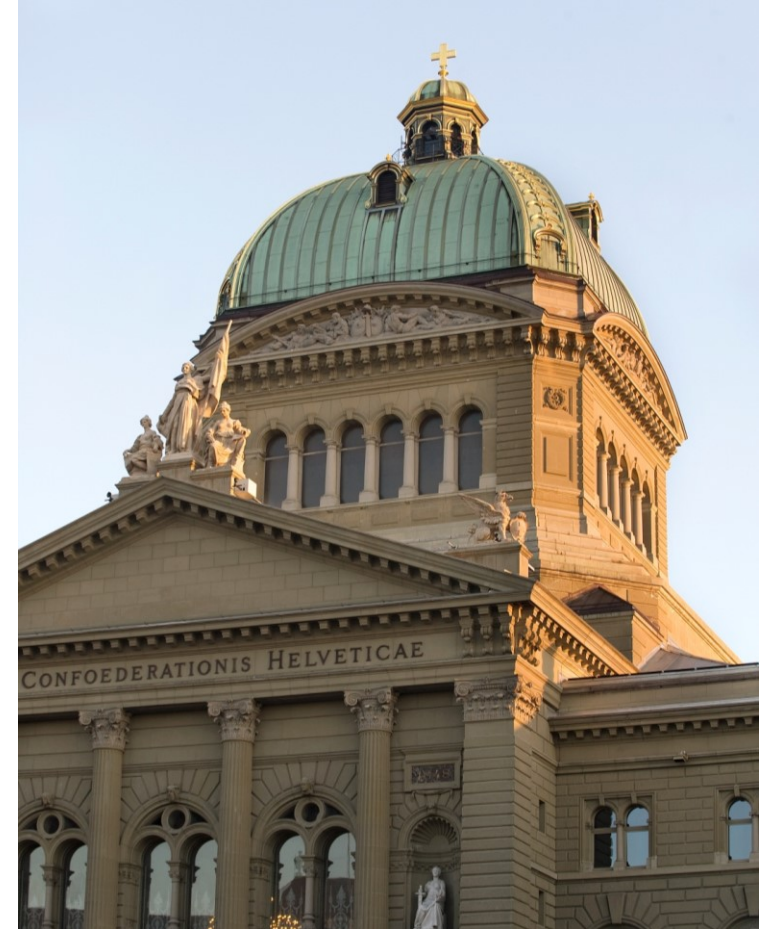
## Iterative planning





# The Confederation's role

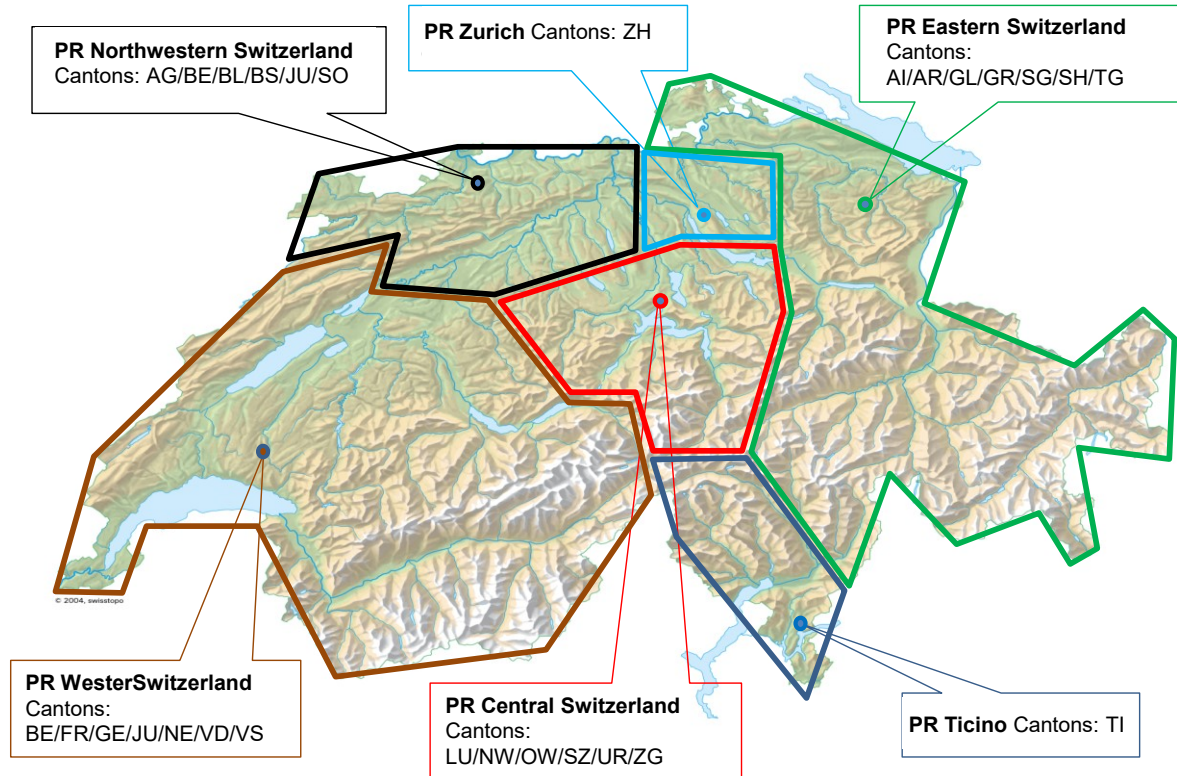
- Process lead
- Responsible for planning long-distance passenger and freight transport services
- Integration of all transport needs
- Assessment and priority setting for expansion of rail infrastructure
- Development of expansion phases







# The planning regions' role

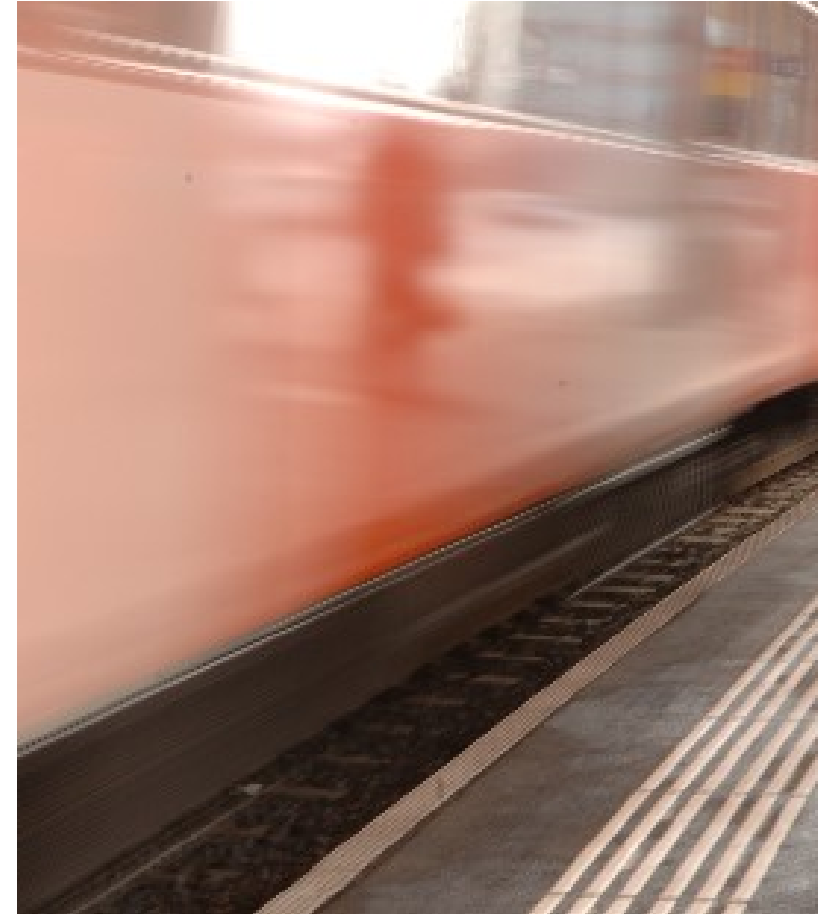


- Take the lead in planning regional transport services
- Provide central point of contact for the Confederation
- Take part in the iterative planning process
- Together with FOT, guide transport undertakings in drawing up service and infrastructure modules



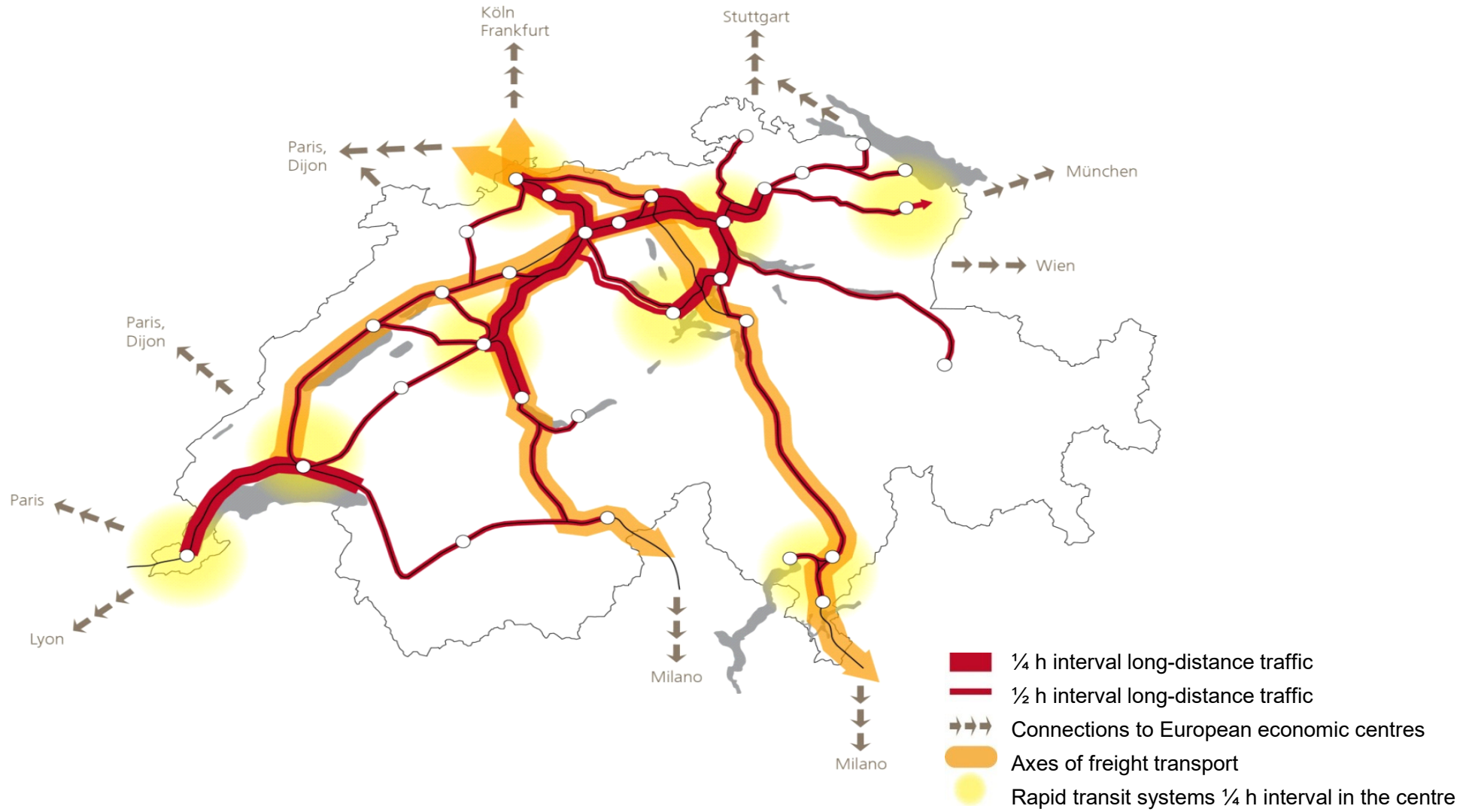
# The role of the transport company

- Experts with knowledge of network and service
- Drafting service concepts on behalf of the planning regions
- Drafting infrastructure concepts on behalf of the Confederation
- Service targets for long-distance passenger and freight transport





# Long-term railway development (>2050)





# RIF – Rail Infrastructure Fund

## Earmarked revenues

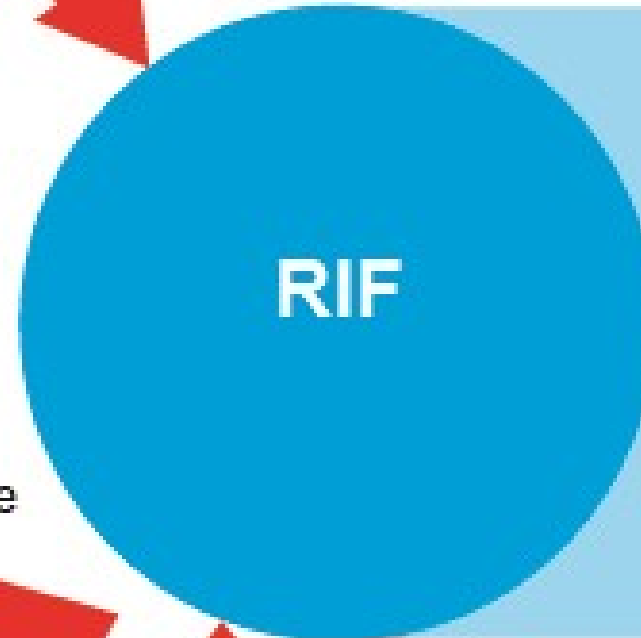
- max. 2/3 HVC
- VAT per mille
- 2% of Direct Federal Tax
- CHF 500m cantonal contribution

## Time limited:

- VAT per mille
- 9% Mineral Oil Tax revenue (max. CHF 310m)

## Contribution from general federal budget

- CHF 2.3bn (at 2014 prices)



Expenditure

- Operation
- Maintenance
- Expansion
- Research
- Repayment of advances
- Interest



Reserves



# The FOT finances rail infrastructure as well as passenger and freight transport

Around **4,1 billion**  
from Rail Infrastructure Fund (RIF)



**Rail infrastructure  
operation/maintenance**  
approx. 70 %



**Expansion of rail  
infrastructure**  
approx. 30 %

Around **1,2 billion**  
from the ordinary budget



**Regional passenger  
transport**  
approx. CHF 970 m



**Freight transport**  
ca. 190 Mio.

*Source: FOT/figures for 2018 in CHF*





# Planning and Financing public transport services

No (federal) state funding:

Long distance transport

Local (urban) transport

Touristic public transport

Federal/Cantonal joint financing (regional PT)

Regional trains

Regional bus lines

Boat services

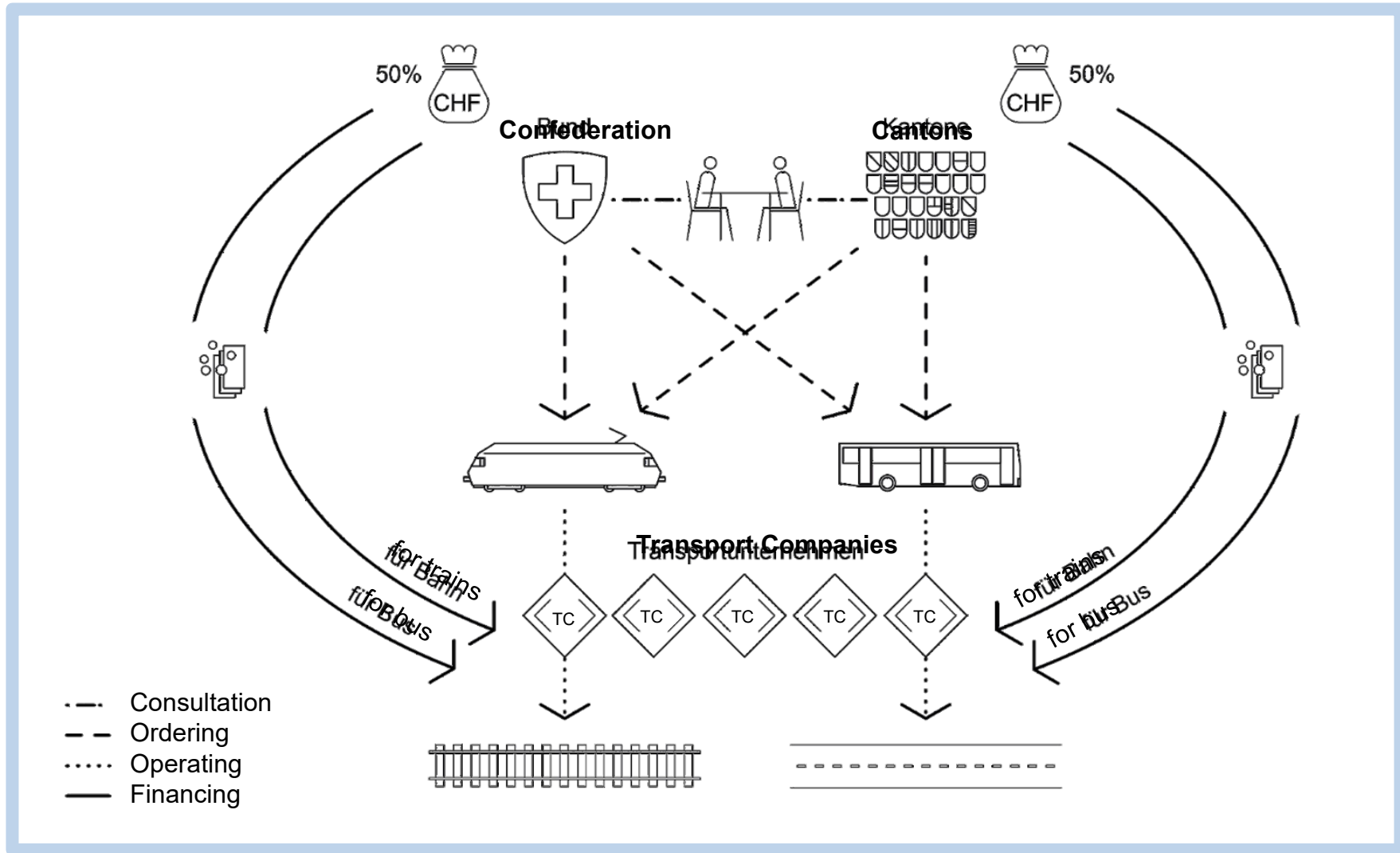
Cable cars







# Ordering and Financing Regional Public Transport (RPT)





# Quality Control System for Regional Public Transport



- Legal obligation to meet basic standards in terms of quality.
- Measurement using the «Quality Control System»

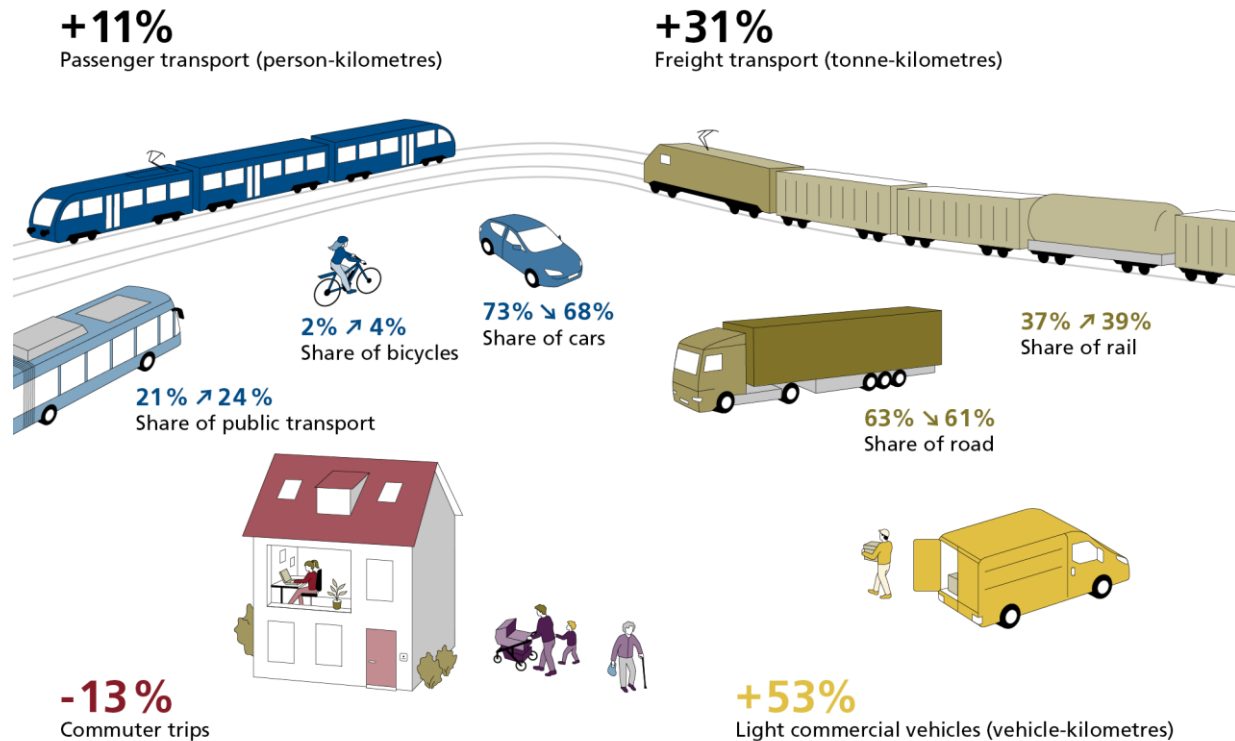
## Goals:

- Controlling tool of the Confederation and cantons
  - Harmonized measurement system for RPT-quality
  - Transparency about the services
  - Makes quality comparable between PT service providers (benchmarking)
  - Basis for future offers
- 
- Creates new incentives for public transport providers
  - Ensures permanently good quality of service in the RPV
  - High level of customer satisfaction



# Continuing investment in a modern public transport system

## Transport Outlook 2050



- Forecast for 2050: overall growth in passenger transport 11%, freight 31%
- Further expansion needs to meet demand
- Realising projects for a total of CHF 25 bn by 2035
- New technologies and digitalization
- Railway system - Perspective 2050



# Questions and Discussion

