

Statistics on the Costs and Funding of Transport

Swiss Federal Statistical Office

Alexandra Quandt, Swiss Federal Statistical Office

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Outline

1. Aims of the CFT statistics
2. Methodological framework
3. Results
4. Further extensions



1. Aim of the CFT statistics

Key questions

- What is the overall cost of transport?
- What are the cost drivers?
- Who is bearing the costs?

Target groups

- policy makers
- general public
- science

features

- yearly data → time series
- stable methodology over time



2.1 Methodological framework

Motorised transport

road



- private motorised transport
- public transport
- freight transport (light and heavy-duty vehicles)

rail



- passenger transport
- freight transport

air



- line and charter (incl. belly-freight)*

water



- passenger transport
- freight transport on the river Rhine

Non-motorised transport

road



- walking
- cycling



Cost categories



Environment

Accidents

Infrastructure

Transport means



Cost categories

Motorised transport

road



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- passenger transport
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Non-motorised transport

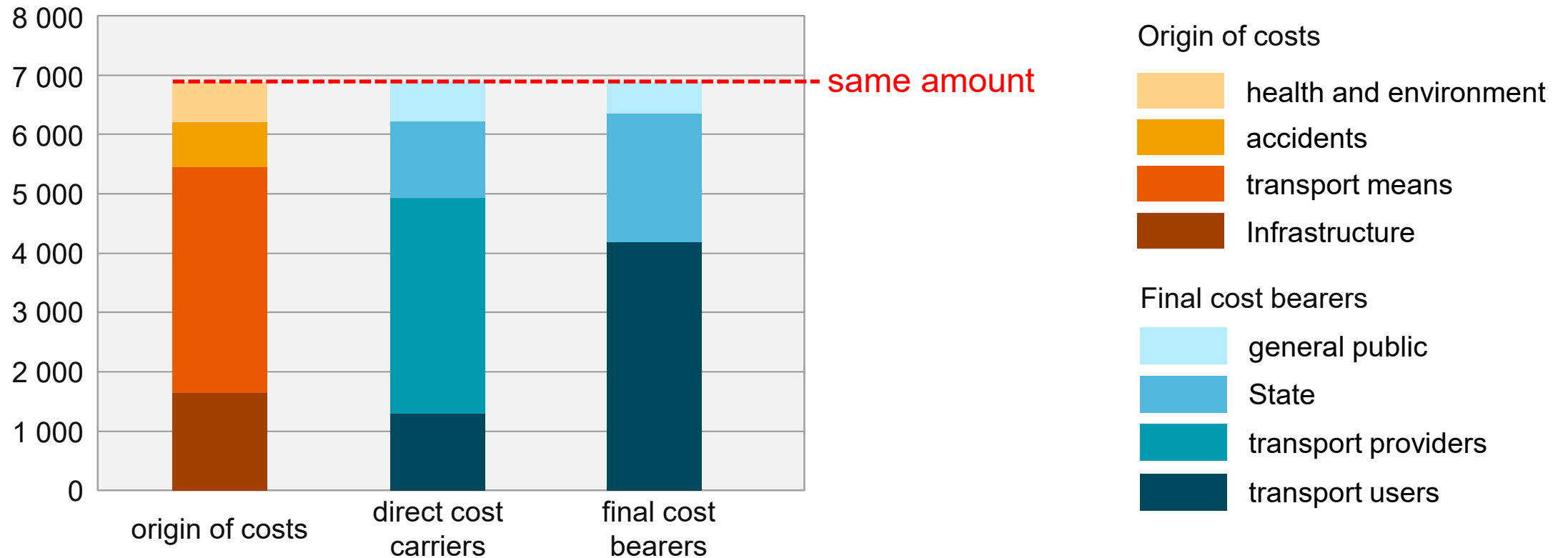
road



- walking
- cycling

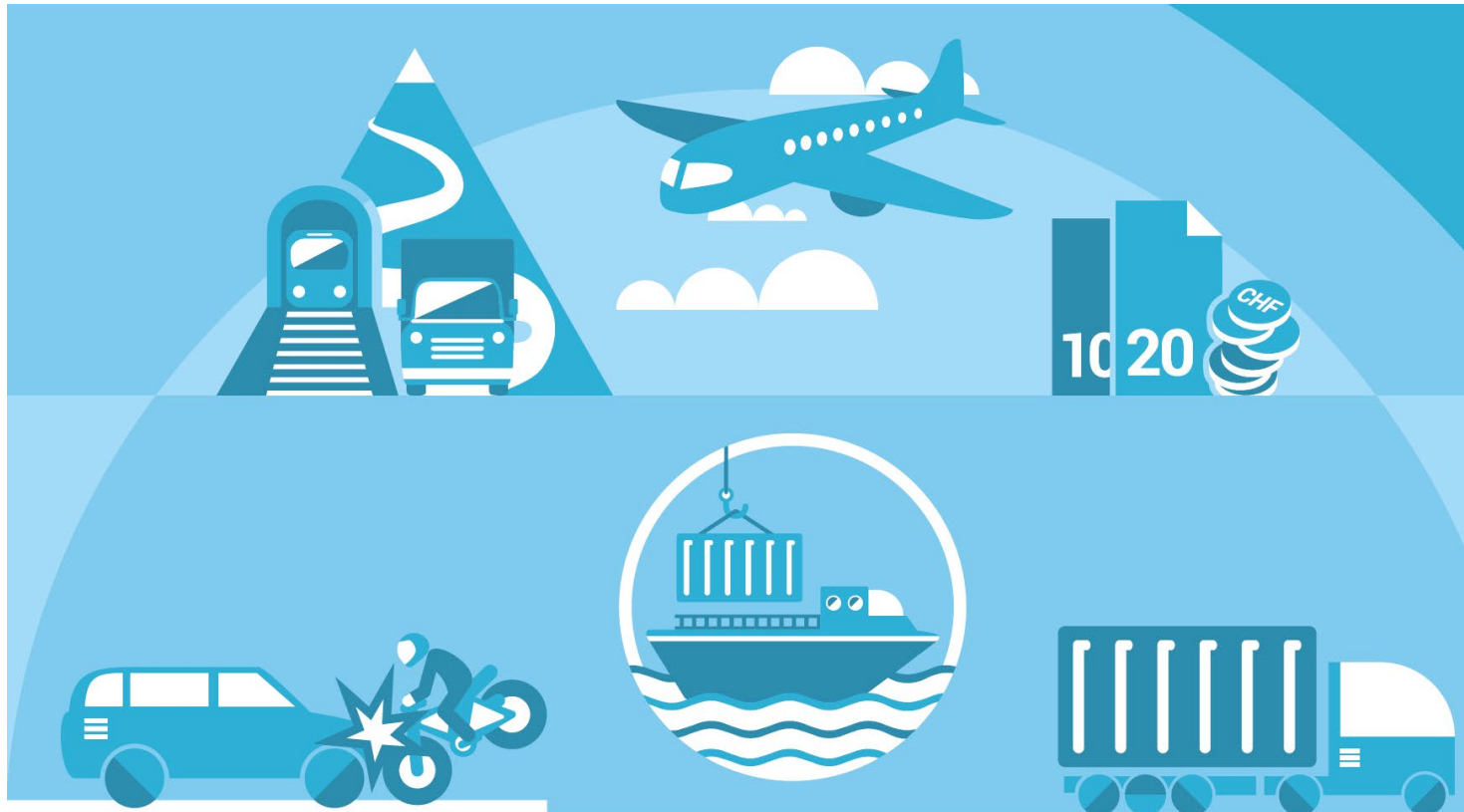


2.2 Methodological framework





3. Results

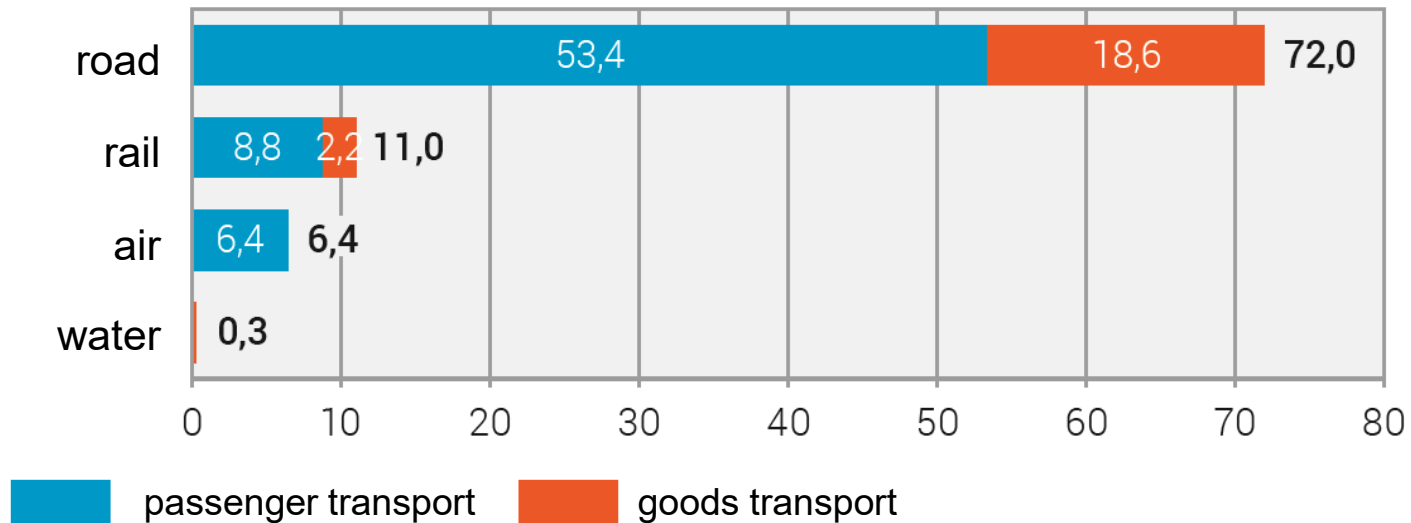




Total costs of CHF 90 billion - three quarters by passenger transport

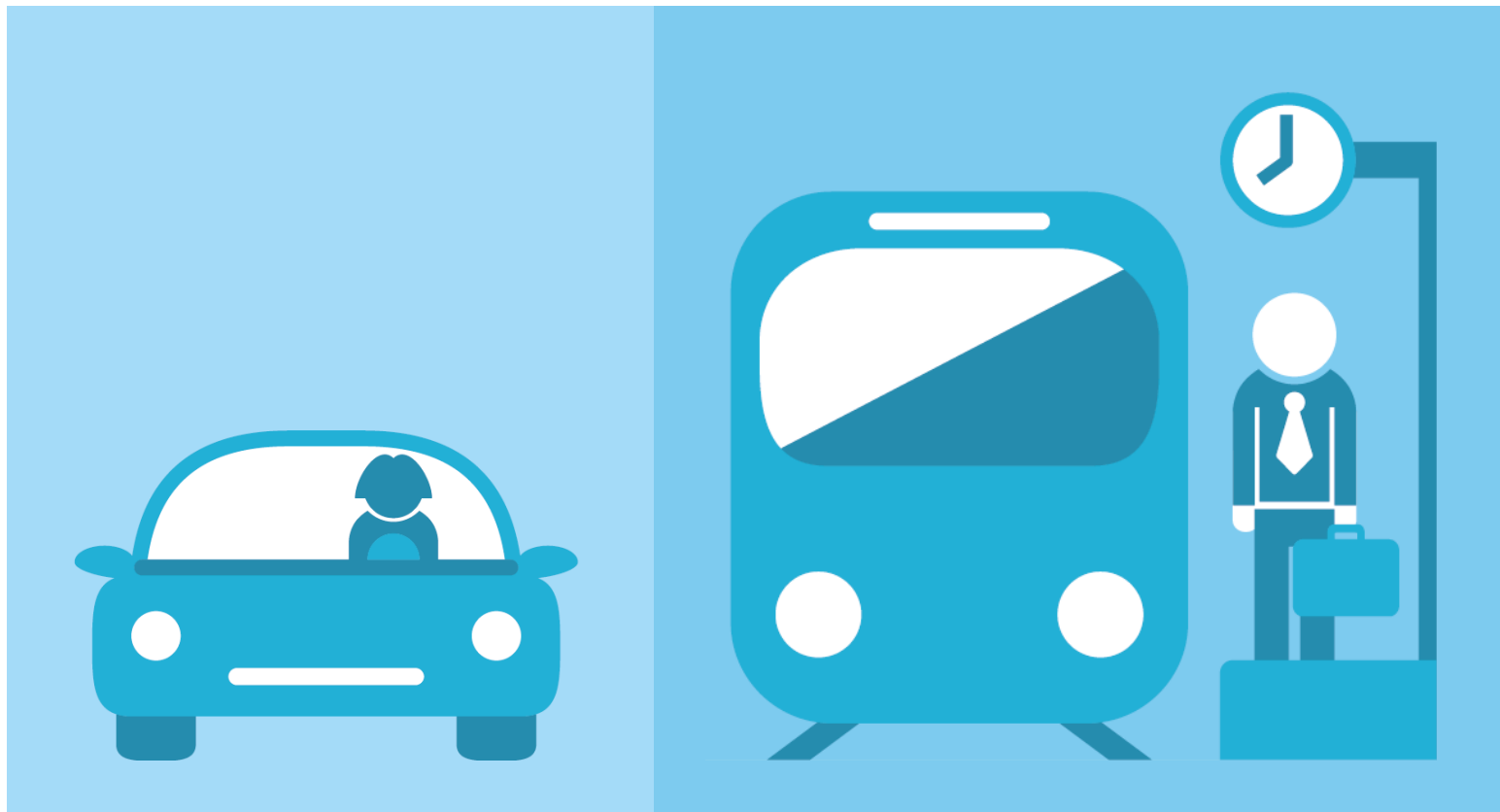
Total costs of motorised transport, 2015

CHF billion





Passenger transport

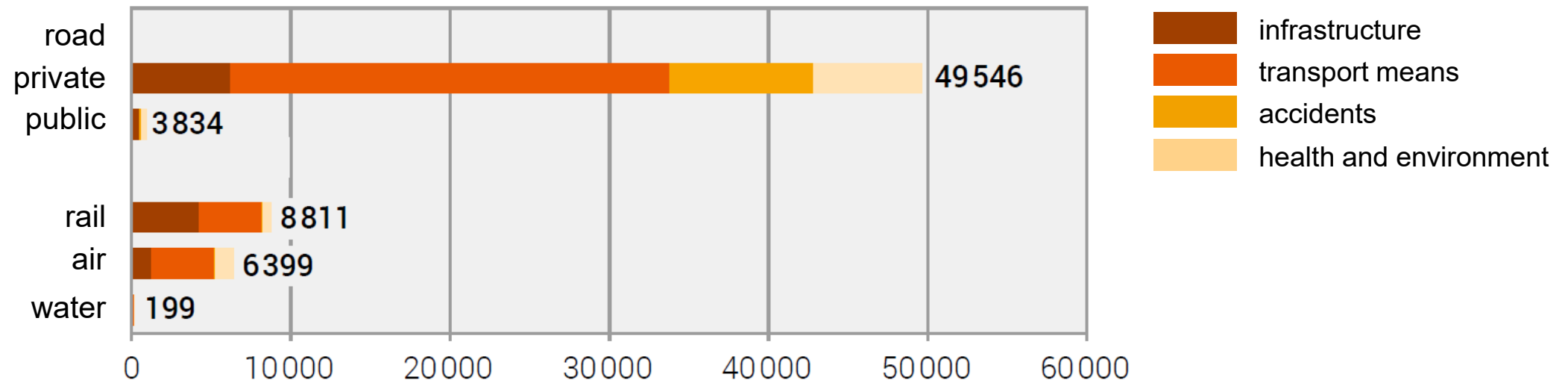




Costs of transport means are dominating

Costs of passenger transport by cost category, 2015

CHF billion

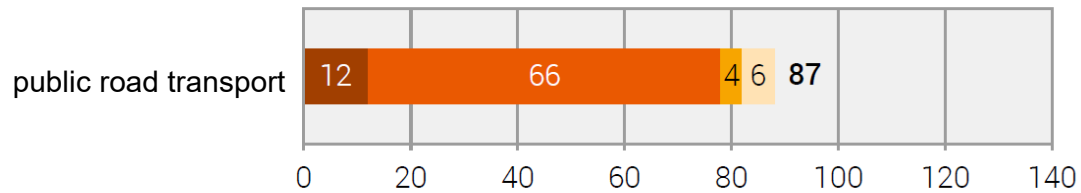




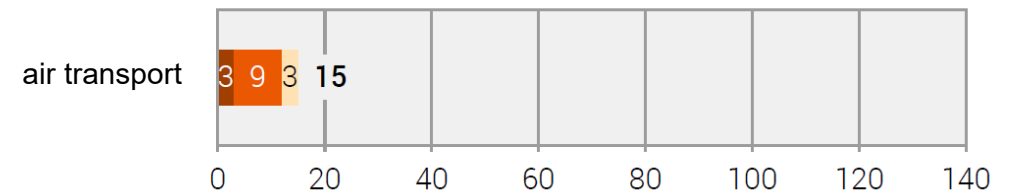
Unit costs

Unit costs of motorised passenger transport by cost category, 2015

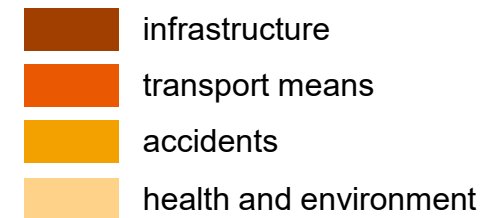
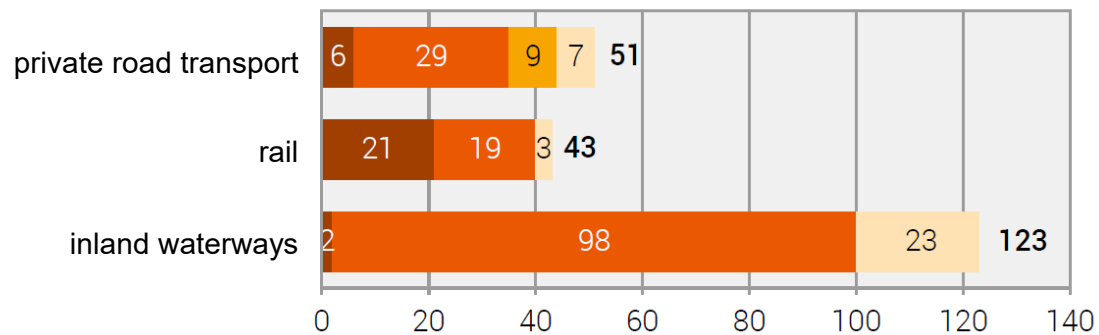
short distances



long distances



medium distances

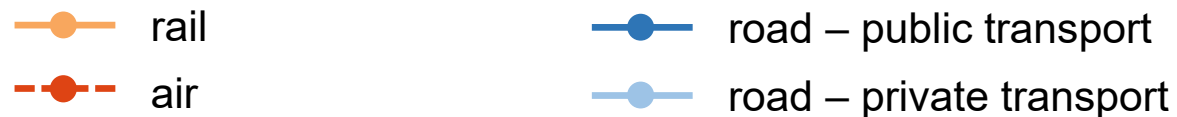
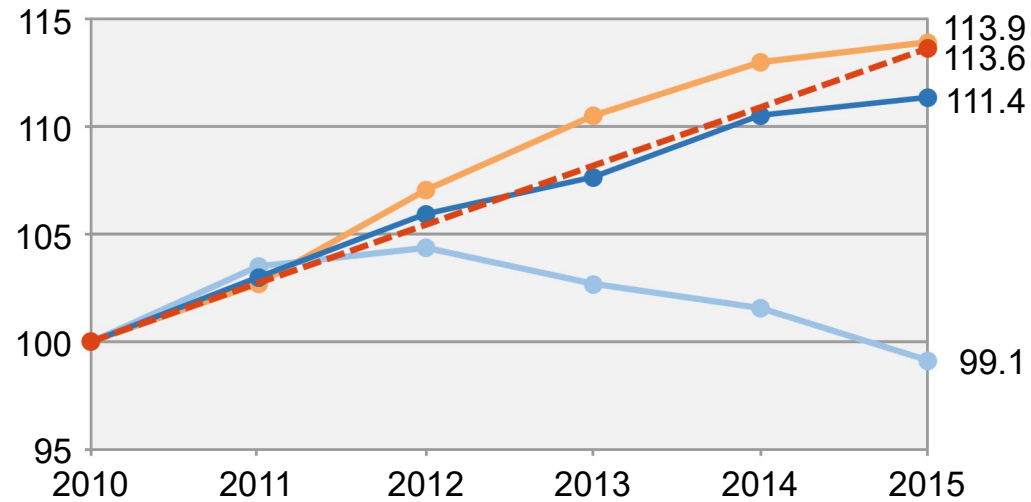




Cost trends in passenger transport

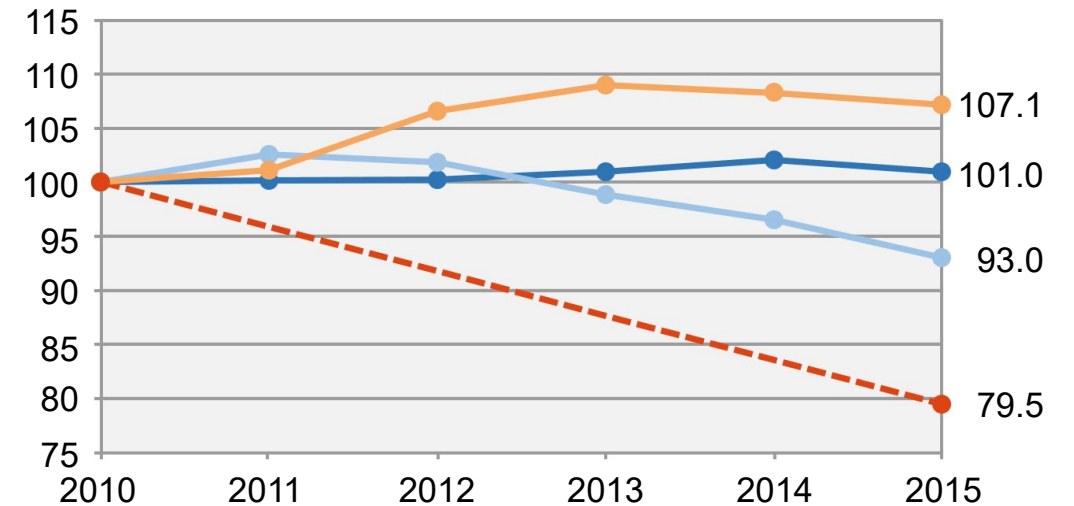
Development of total costs

Index 2010=100



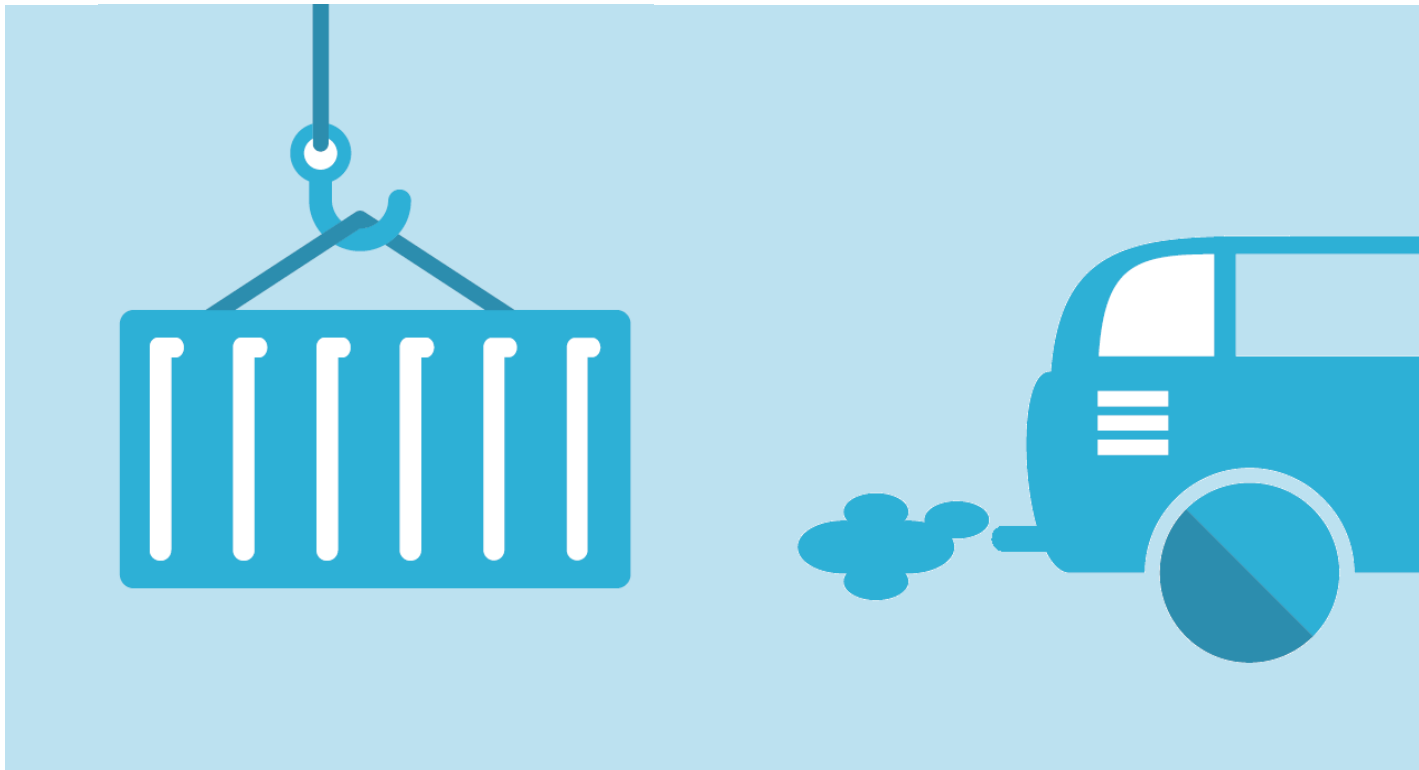
Development of unit costs

Index 2010=100





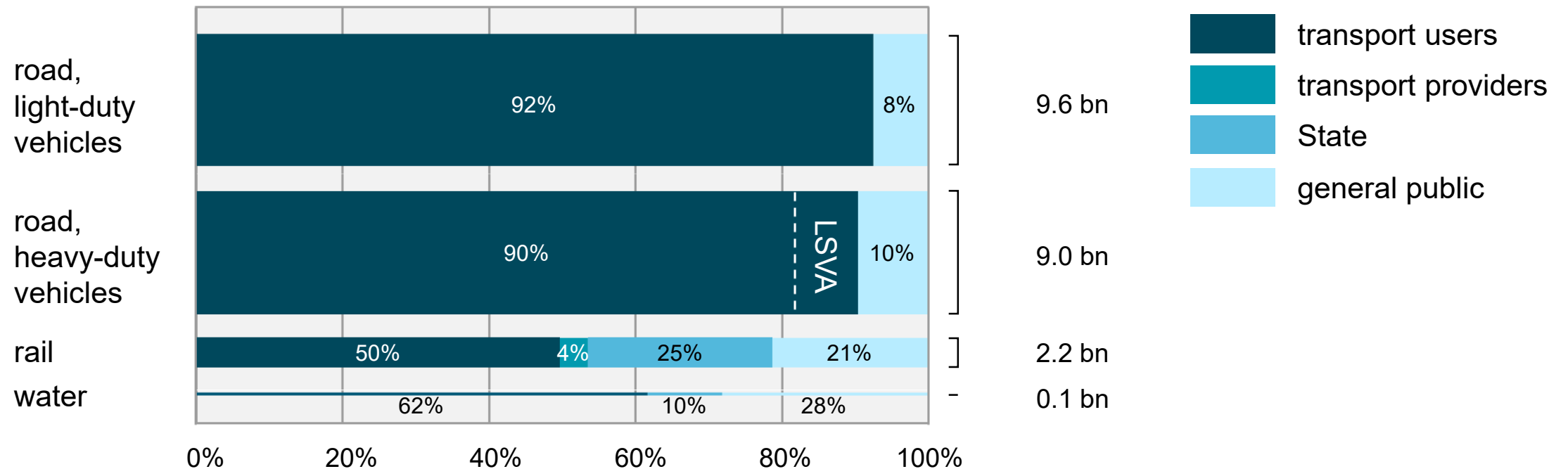
Some interesting details...





The general public pays too

Costs of freight transport by final cost bearers, 2015

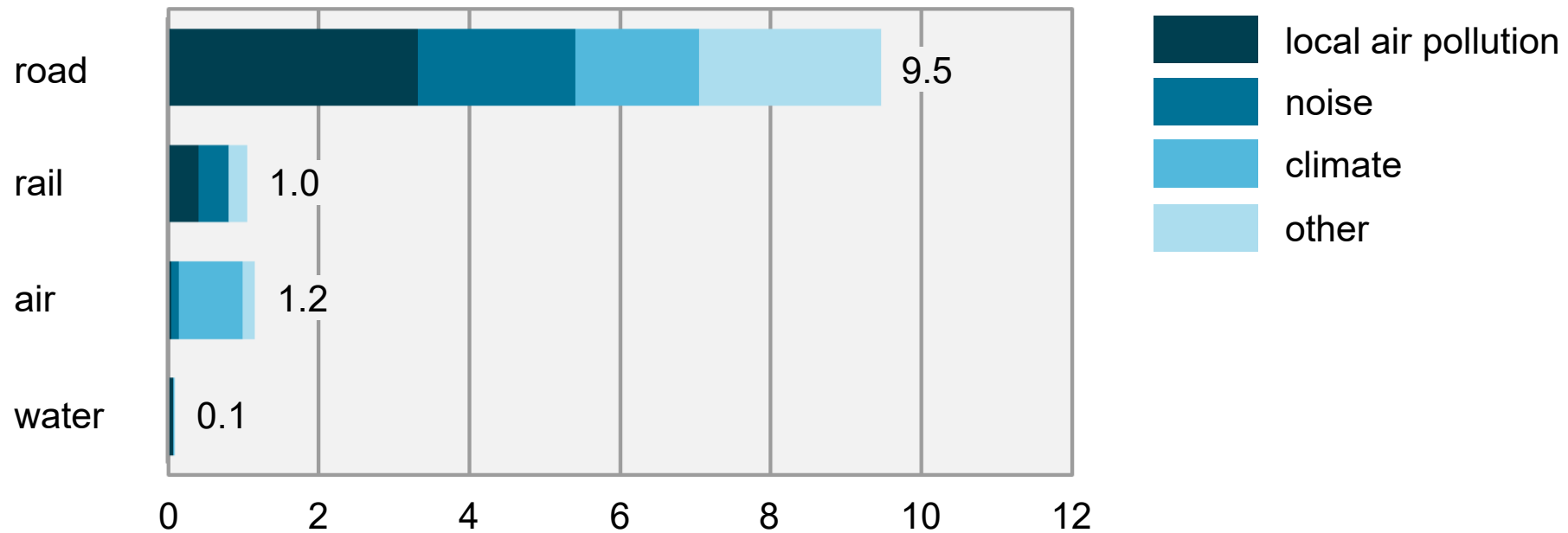




Climate costs: road ahead of air transport

Environmental and health costs of transport, 2015

CHF billion





4. Further extensions

- Adoption of new transport modes
(e.g. combined transport, electric vehicles)
- More details
(e.g. regional differentiation)
- New indicators
(e.g. cost per GDP, cost per capita, ... ?)
- International comparison
(NEW: Luxemburg, ... ?)



Further Information

- www.statistik.ch
> 11 «Mobility and Transport» > Kosten und Finanzierung des Verkehrs
- Methodology Report
- contact
Dr. Alexandra Quandt
Federal Statistical Office / Mobility
Espace de l'Europe 10
CH-2010 Neuchâtel
SWITZERLAND
Tel.: +41 58 467 25 02
alexandra.quandt@bfs.admin.ch
verkehr@bfs.admin.ch