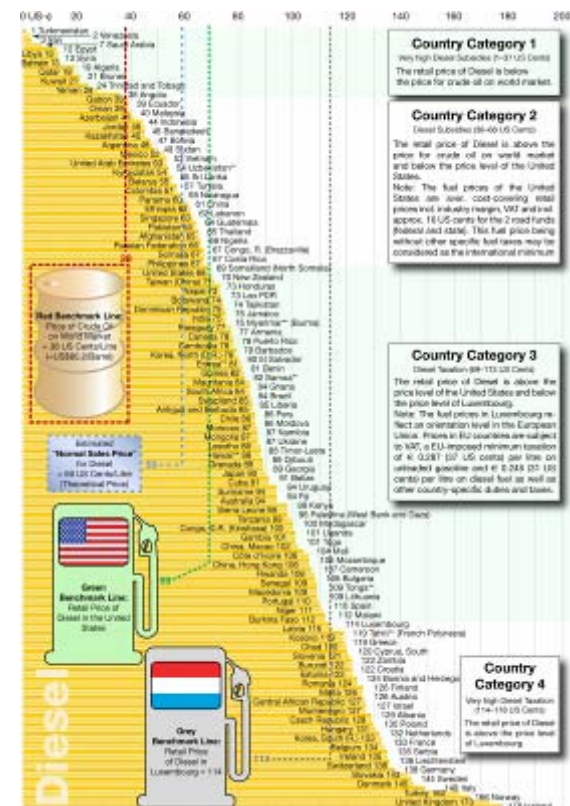


International Fuel Prices

IEA-Workshop
*New Energy Indicators for Transport:
The Way Forward*

Dr. Sascha Thielmann, Armin Wagner
Energy and Transport Section
GTZ Eschborn





Overview

- ▶ **The issue:**
Fuel taxation and the transport sector
- ▶ **The data:**
GTZ International Fuel Prices
- ▶ **The way forward:**
Climate Change, Energy Consumption and Fuel Prices



Fuel Taxation and Good Governance

▶ Sector financing: “Transport finances transport”

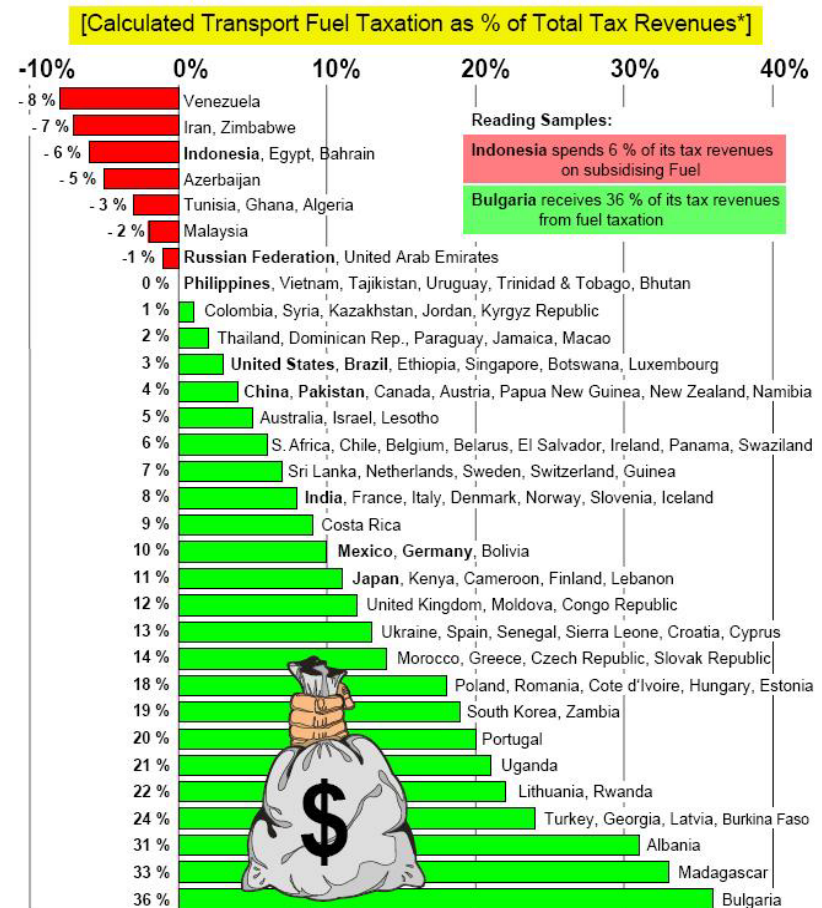
- Road infrastructure financing
- Road maintenance financing
(rule of thumb: minimum of 10 US cents for road maintenance)
- Road safety cent

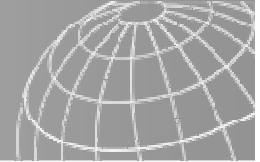
▶ Internalisation of external costs

- Directly related to fuel consumption and CO₂ emissions
- Proxy for other social costs (like accidents, congestion etc.)

▶ Important contribution to general budget revenues

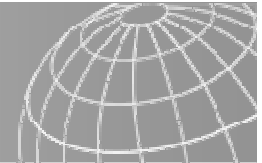
- Easy to collect
- Major source of revenue in many countries





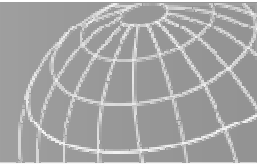
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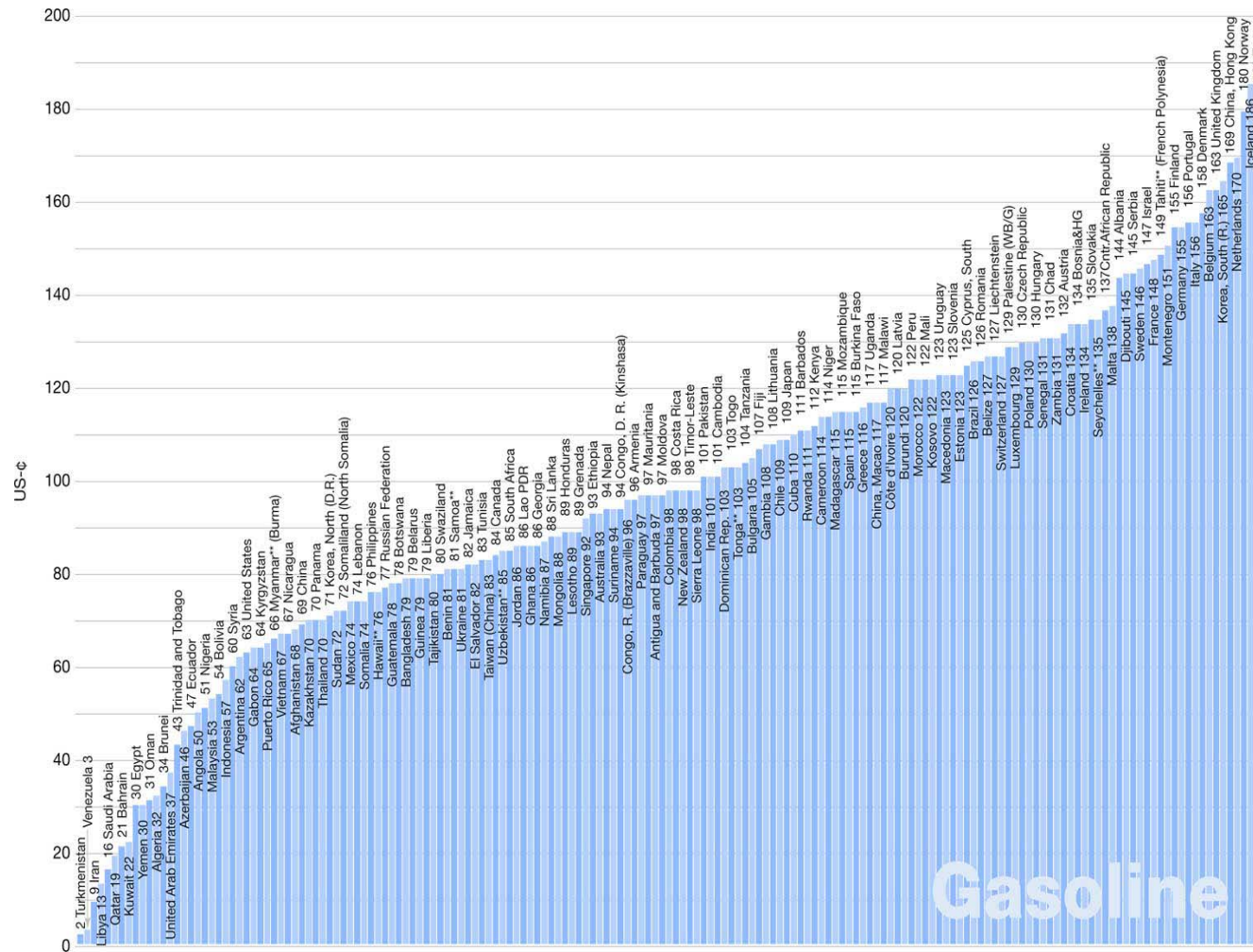


GTZ Offices Worldwide

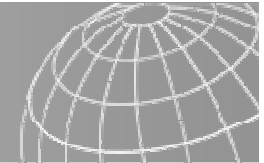




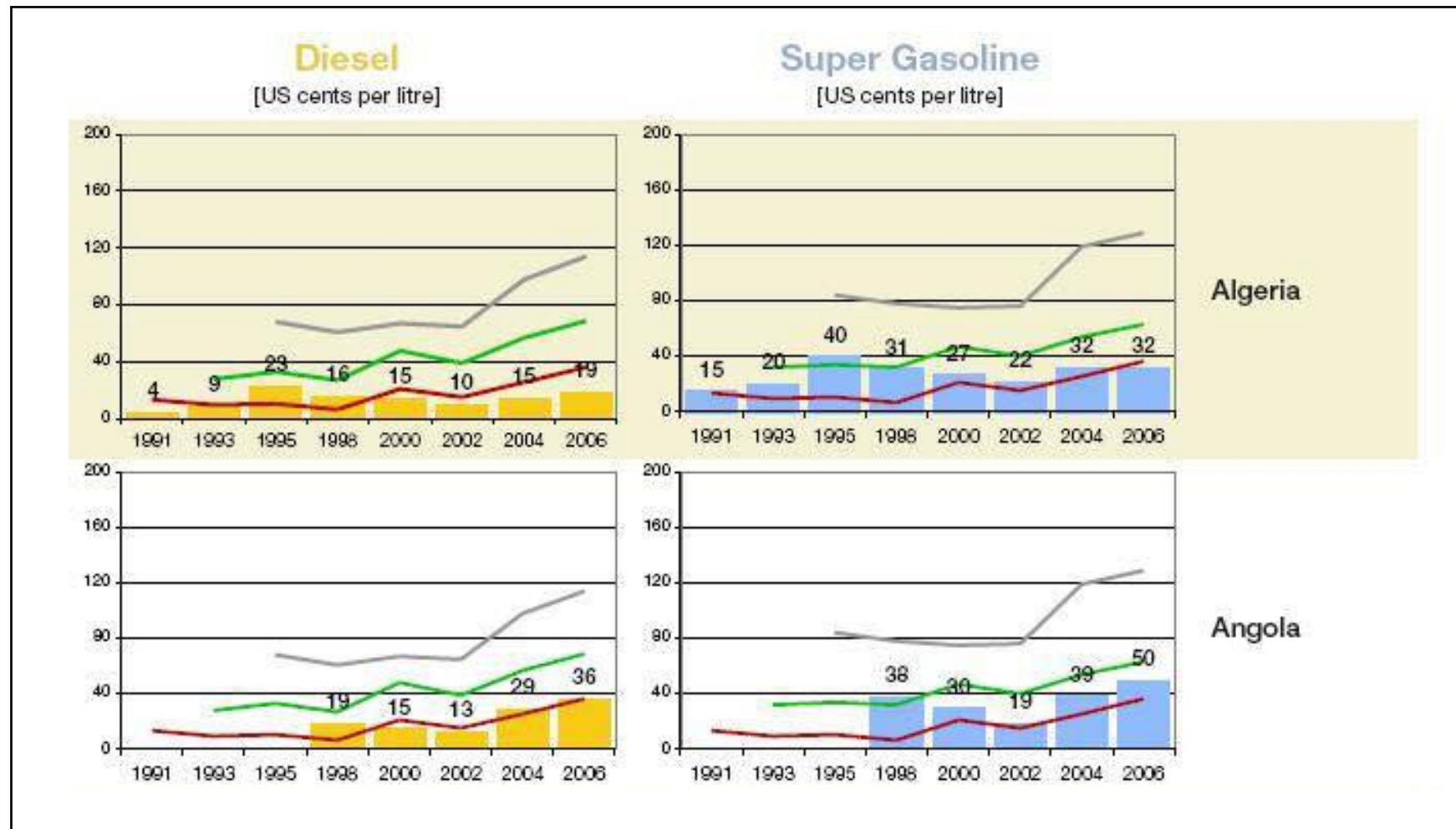
A global perspective on fuel prices

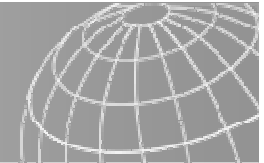


- The survey:**
- 170 Countries
 - Diesel and Gasoline
 - Last survey in November 2006
 - Next survey in November 2008
 - November 2007: Flash survey Africa

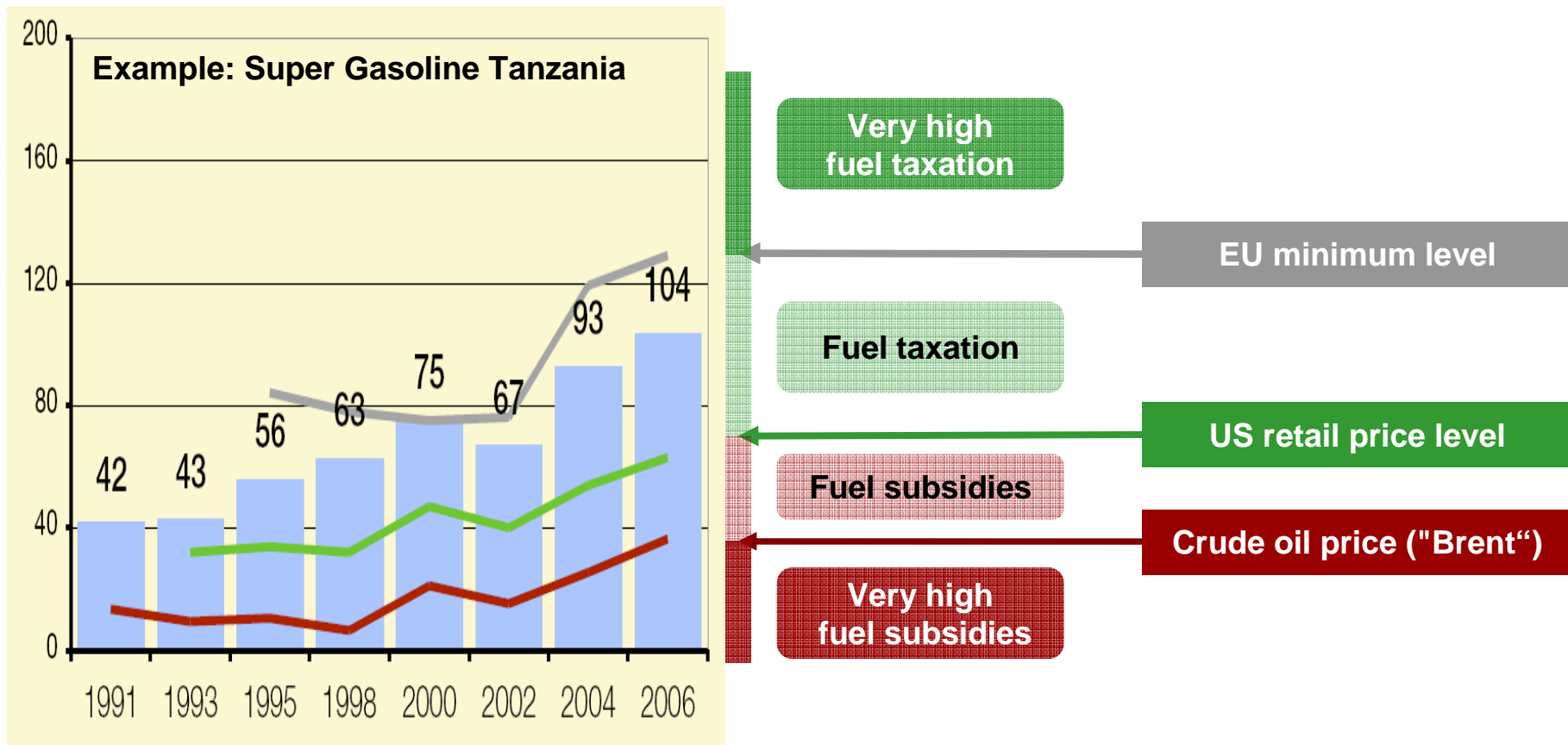


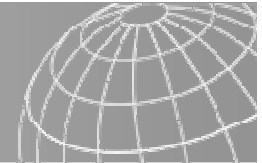
Time series from 1991 to 2006



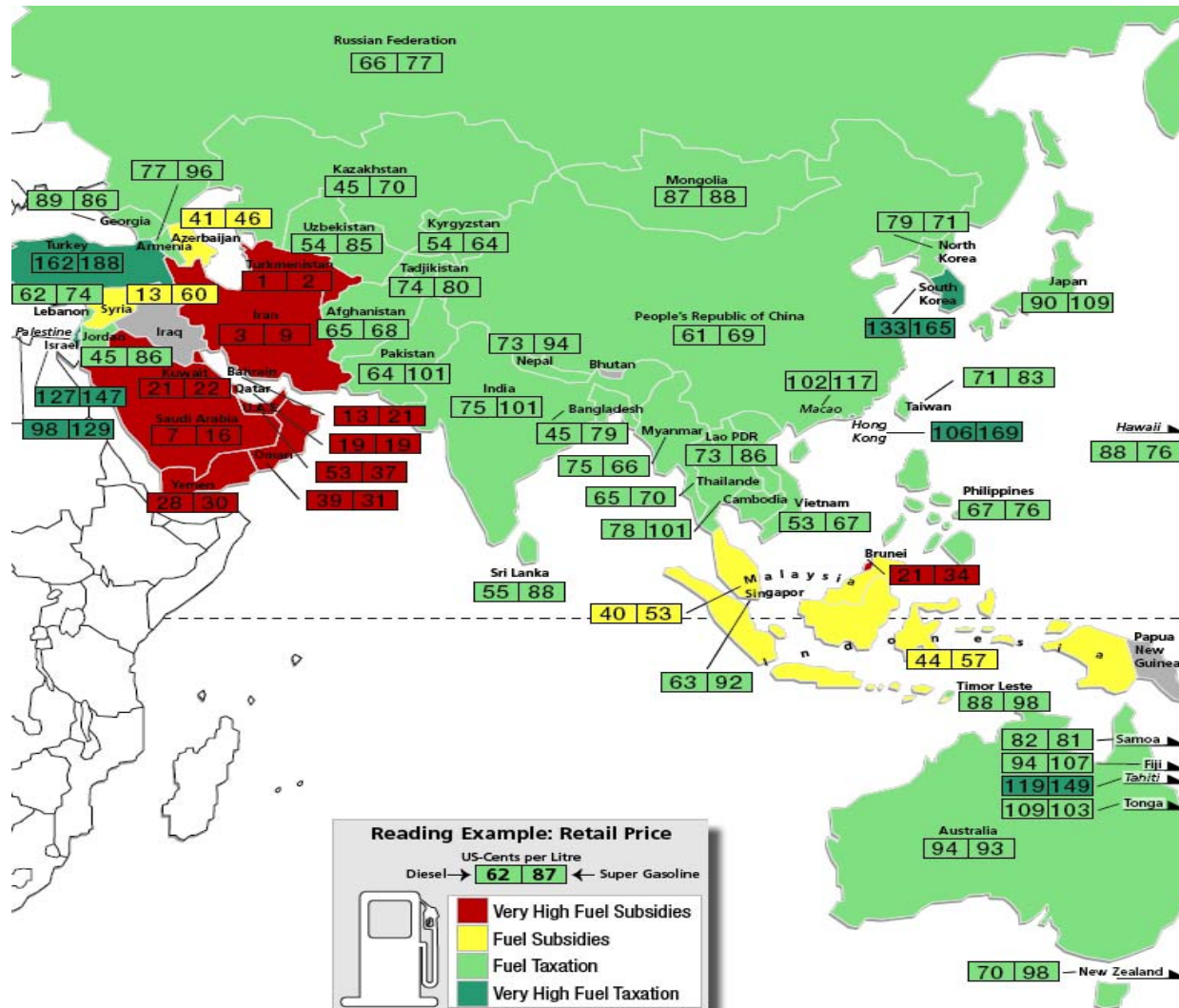


Benchmark lines



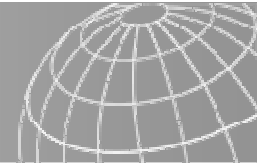


Regional Comparisons

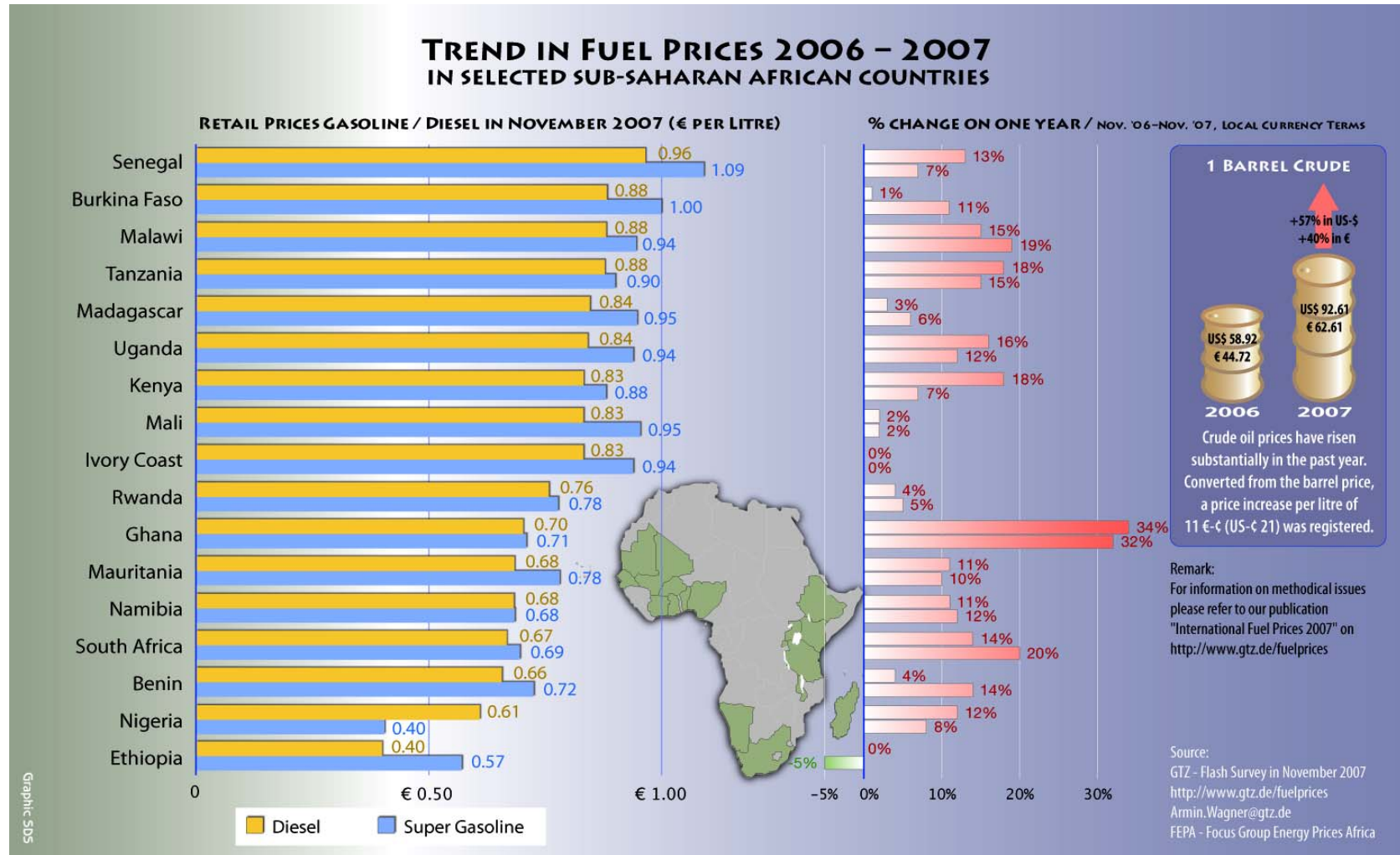


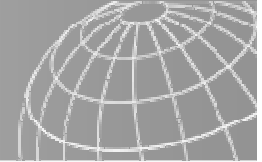
Regional comparisons as indicators for:

- Smuggling potential
- Good governance
- Regional Transport Sector Dialogue



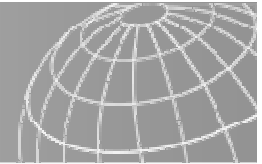
Flash Survey Africa 2007





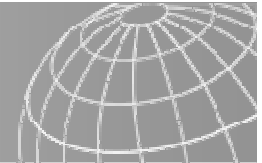
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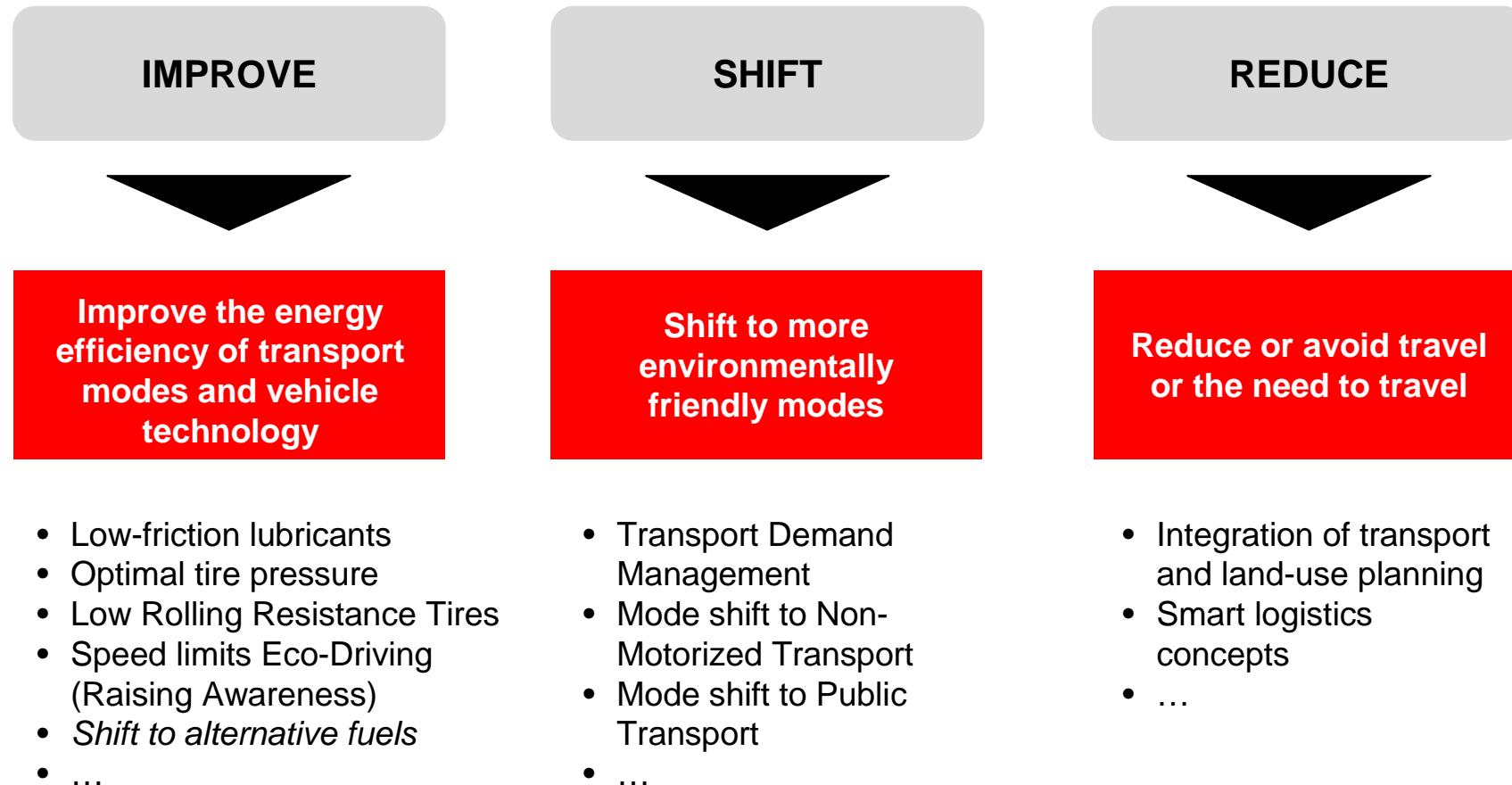


Tackling climate change and energy consumption in the transport sector is difficult





The three basic routes to improve energy efficiency





The toolbox of instruments

PLANNING INSTRUMENTS

e.g. land use planning, planning of public transport, planning of non-motorised modes

REGULATORY INSTRUMENTS

e.g. emissions standards, speed limits, parking regulation, physical restrictions

ECONOMIC INSTRUMENTS

e.g. fuel taxes, vehicle taxation, road pricing, subsidies, parking fees

INFORMATION INSTRUMENTS

e.g. public awareness campaigns, traffic information systems,
public transport information systems

TECHNOLOGICAL INSTRUMENTS

e.g. fuel improvement, cleaner engines



The data is just the beginning ...

Many open issues remain, e.g.:

- ▶ Pump prices at filling stations can be monitored but what about **actual fuel taxation policies**?
- ▶ How are **fuel tax revenues** spent? What is the **sector financing** concept?
- ▶ What do we really know about the **link between fuel prices and fuel consumption** in transport?
- ▶ What is the impact of high fuel prices on **economic growth**?
- ▶ What is the **poverty impact** of high fuel prices in developing countries?
- ▶ How should differences in **purchase power** be accounted for?
- ▶ ...



Further information and downloads

www.gtz.de/fuelprices

www.sutp.org

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