

Proposal for the National Transport Plan 2014 - 2023

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FORSLAG TIL
NASJONAL
TRANSPORTPLAN
2014-2023

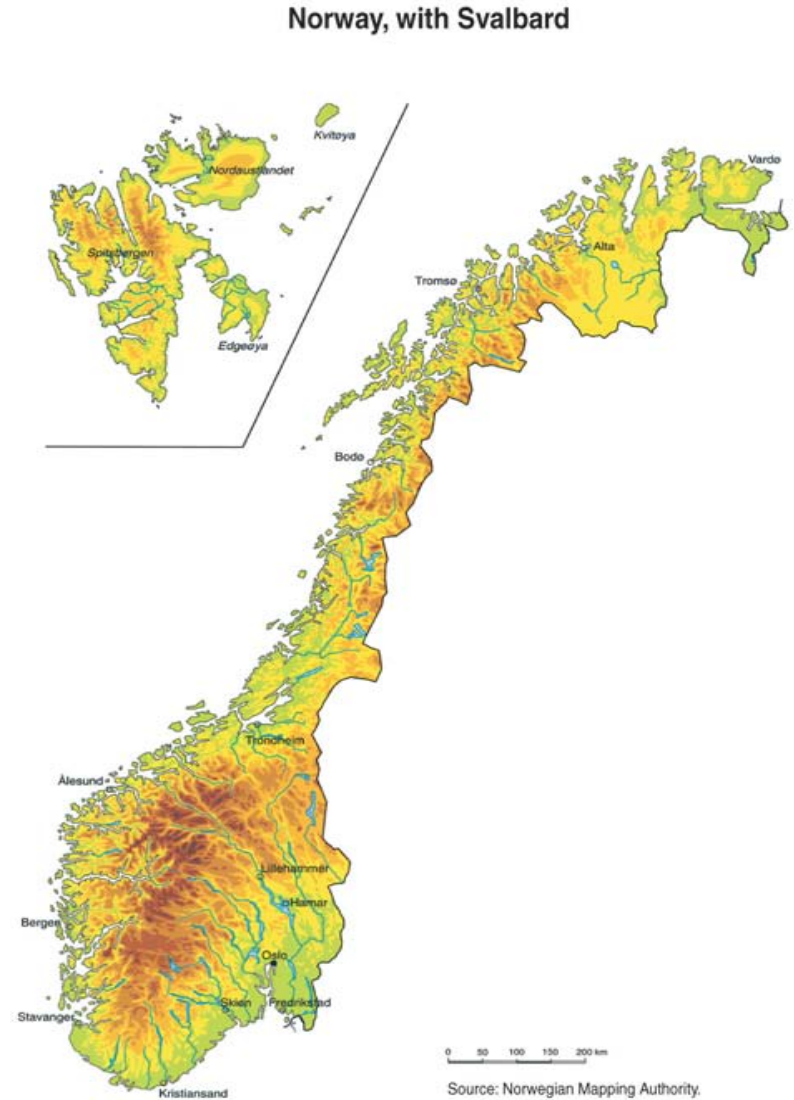


AVINOR | JERNBANEVERKET | KYSTVERKET | STATENS VEGVESEN | FEBRUAR 2012



Norway

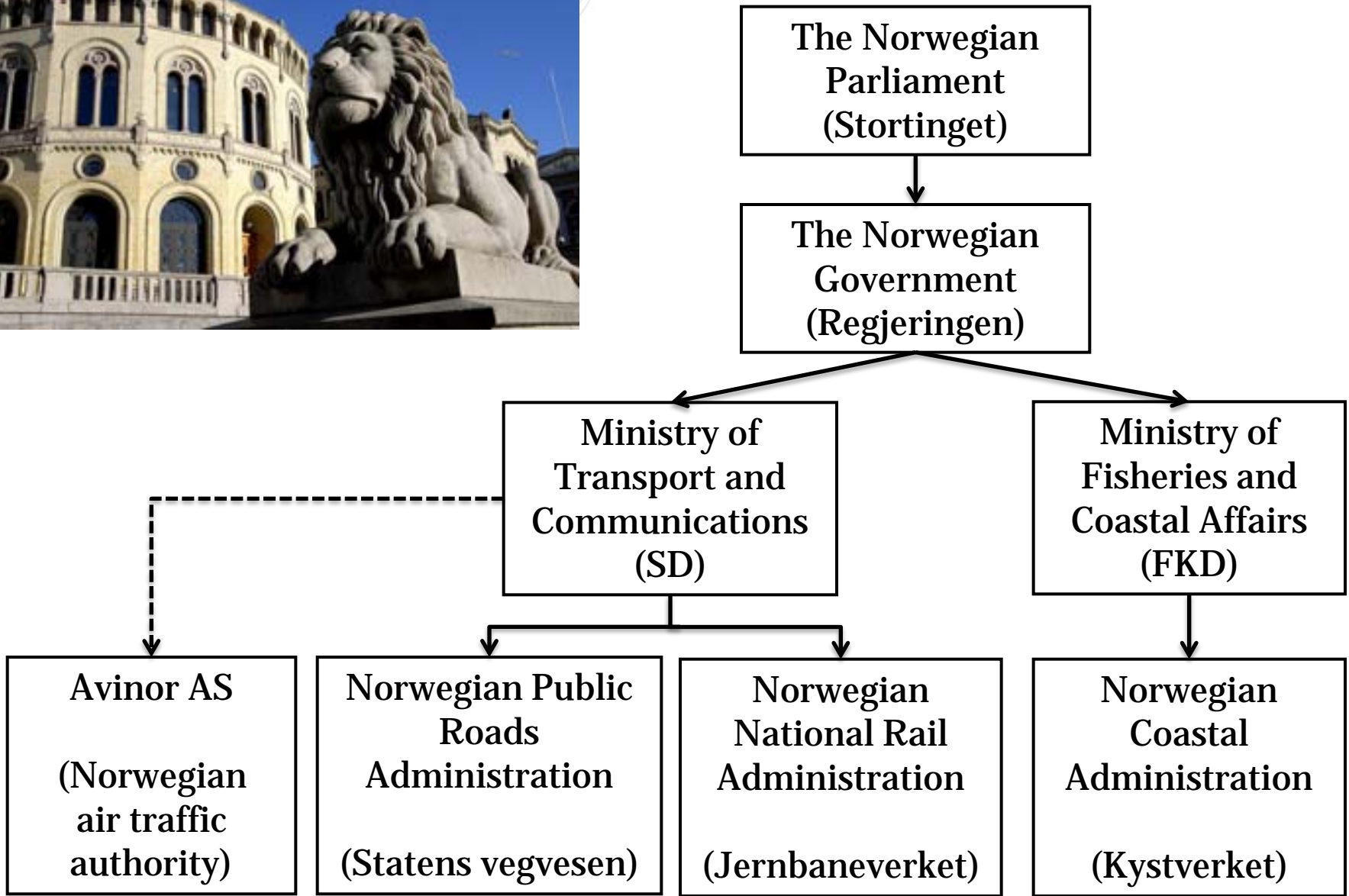
- System of government:
Constitutional monarchy
Parliamentary democracy
- 19 Counties
- 429 Municipalities
- Area (mainland):
323 782 km²
- Population:
5 million



Key figures

Public roads, total	93 000	Km
National roads	10 500	Km
County roads	44 000	Km
Municipal roads	38 500	Km
Road tunnels	1 000	Tunnels
Road bridges	18 200	Bridges
Rail network	4 000	Km
Rail tunnels	775	Tunnels
Rail bridges	3 000	Bridges
State owned airports	46	airports
National ports	30	ports





Official Steering Documents

Proposal for
National Transport Plan

National Transport Plan
White paper
(10 Year Period)

Action Programme
(Focus on first 4 Years)

Annual National Budget

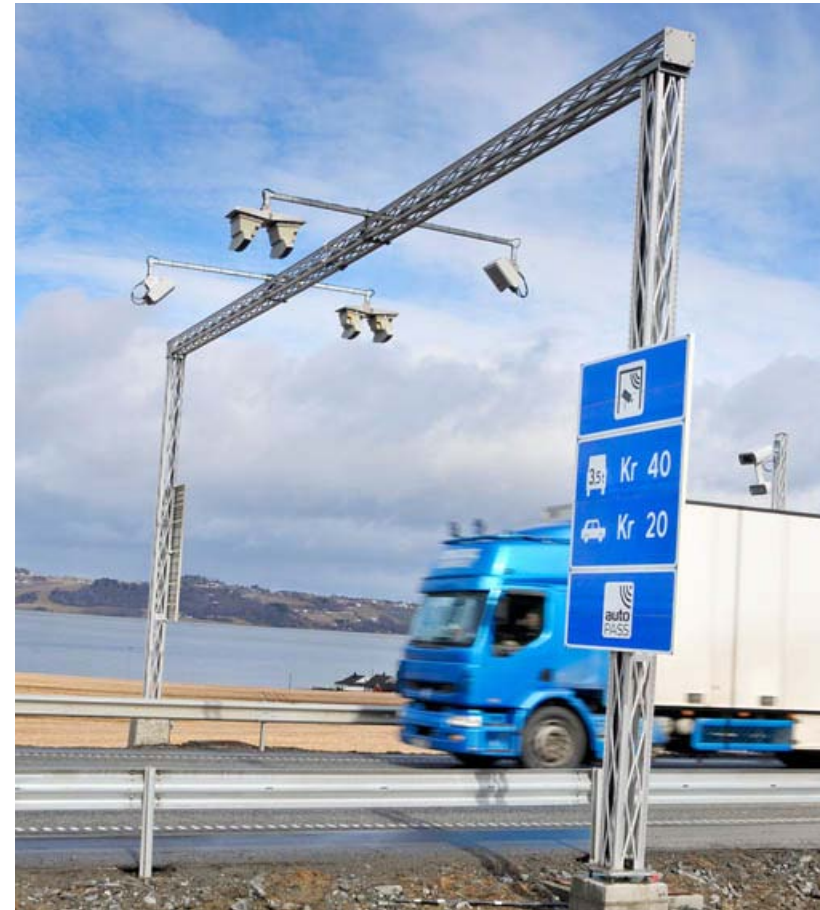
Appropriation

Projects



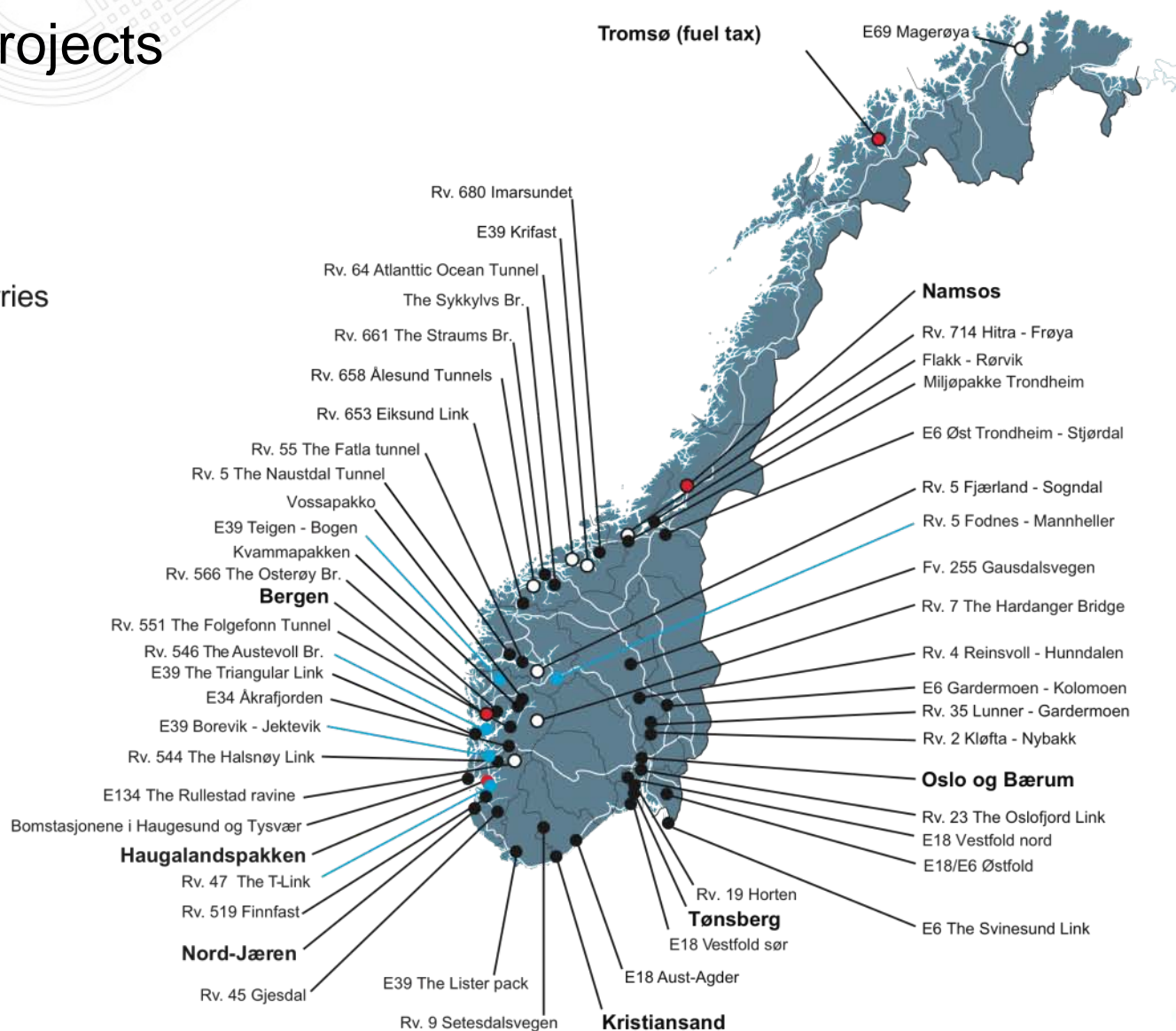
Financing

- **Railway system**
 - National funding
- **Roads**
 - National and county funding
 - Toll revenue
- **Airports and harbours**
 - Income and revenue collected
- **Coastal fairways**
 - National funding and revenue collected



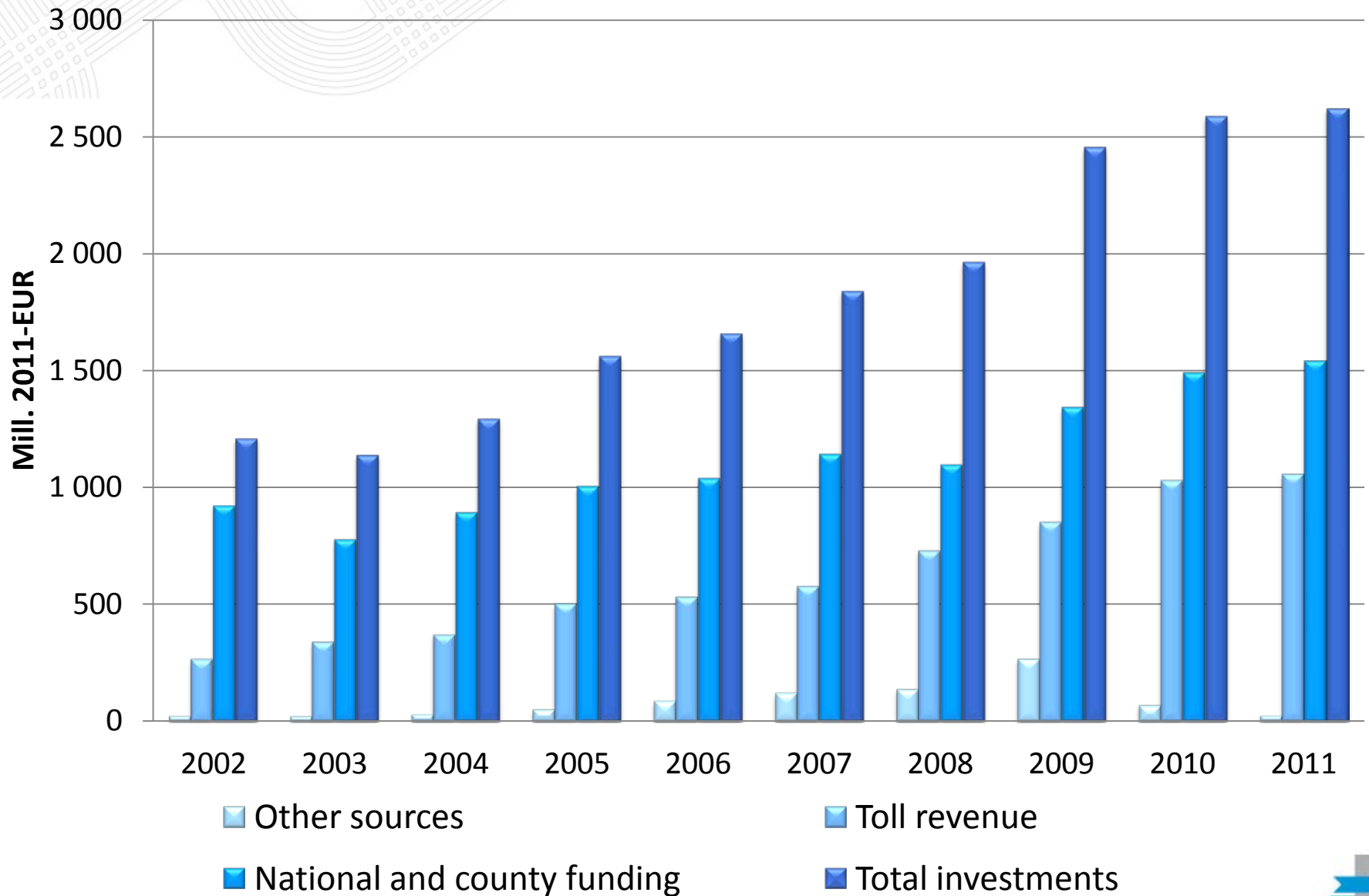
Toll road projects

- City Projects
- Single Projects
- Toll collection on ferries
- AutoPASS tolling
- Open Road Tolling



ROAD INVESTMENTS 2002-2011

1 EUR = 8 NOK



National Transport Plan 2014 - 2023

Trends and challenges:

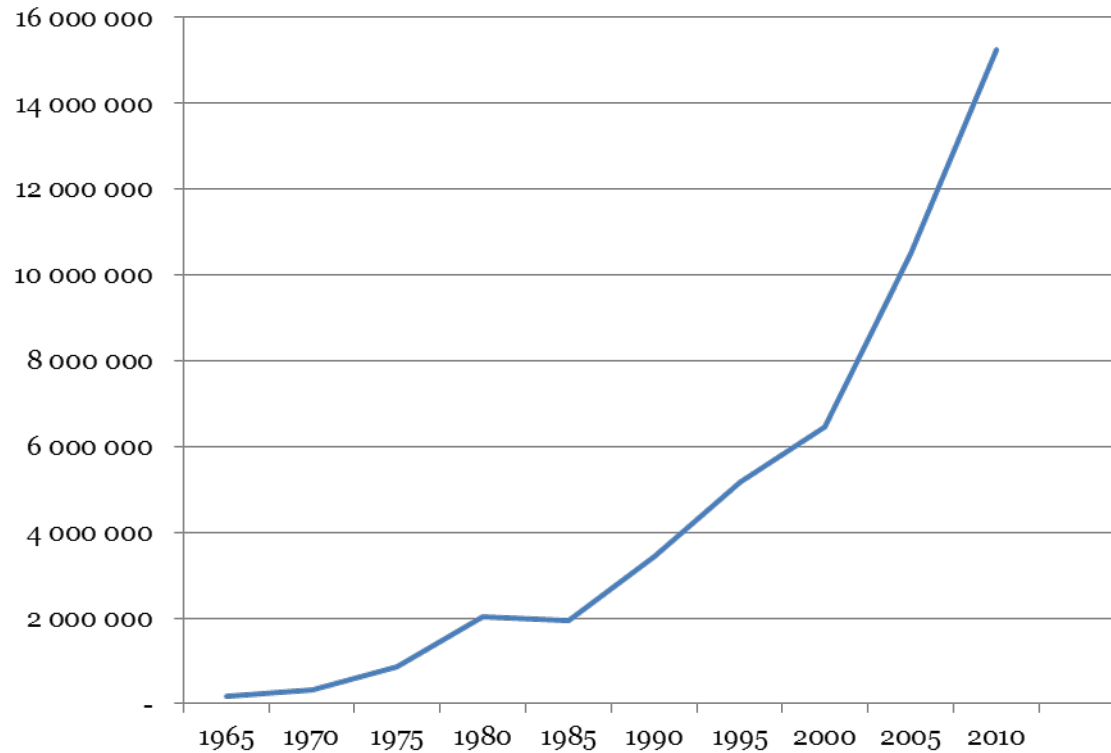
- **Globalisation**
- **Population growth**
- **Economic growth**

- **Traffic safety**
- **Emissions and climate change**



Globalisation

Volume of world trade 1965-2010



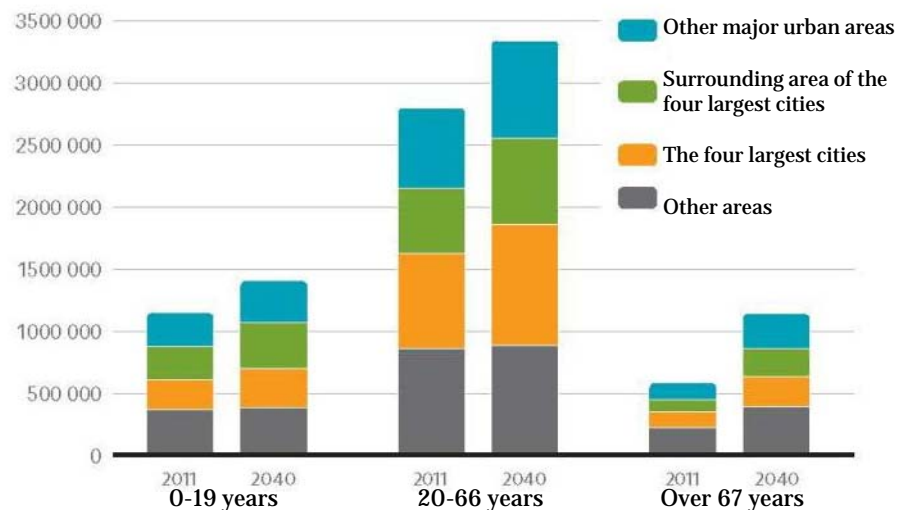
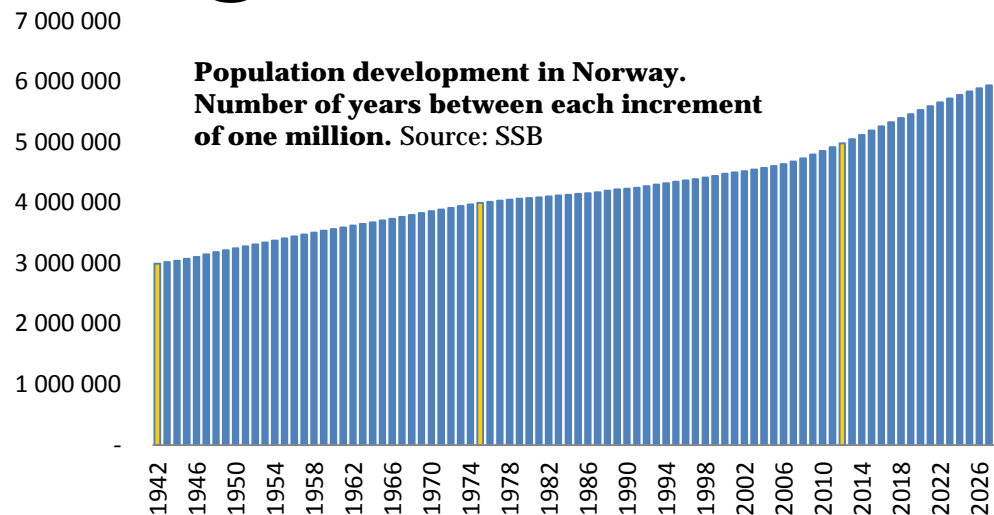
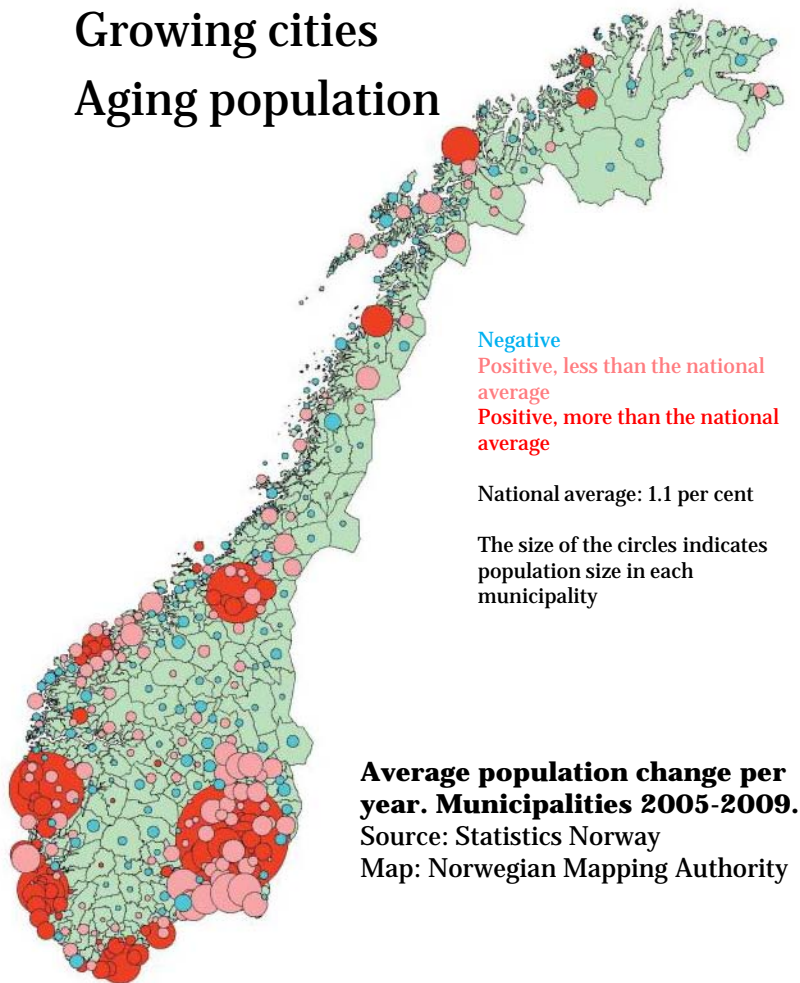
Million US Dollar in current prices

Source: WTO



Population growth

Growing cities
Aging population

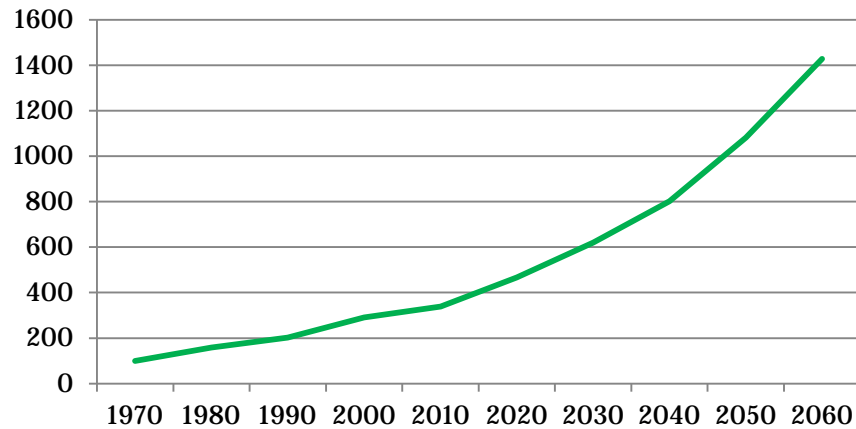


Number of inhabitants in 2011 and 2040 – by age for the largest cities and other areas. Source: SSB

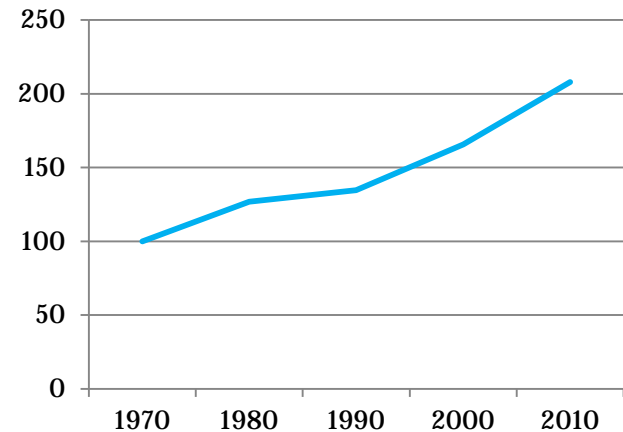


Economic growth in Norway

GDP (1970=100)



Real wages (1970=100)



Operations, maintenance and renewal

- More traffic
- More technically complicated infrastructure – tunnels, signal systems, information systems
- Climate change – more stormy weather requires a solid infrastructure
- Cost hikes
- Deterioration in infrastructure

A historic effort for upgrading and renewal

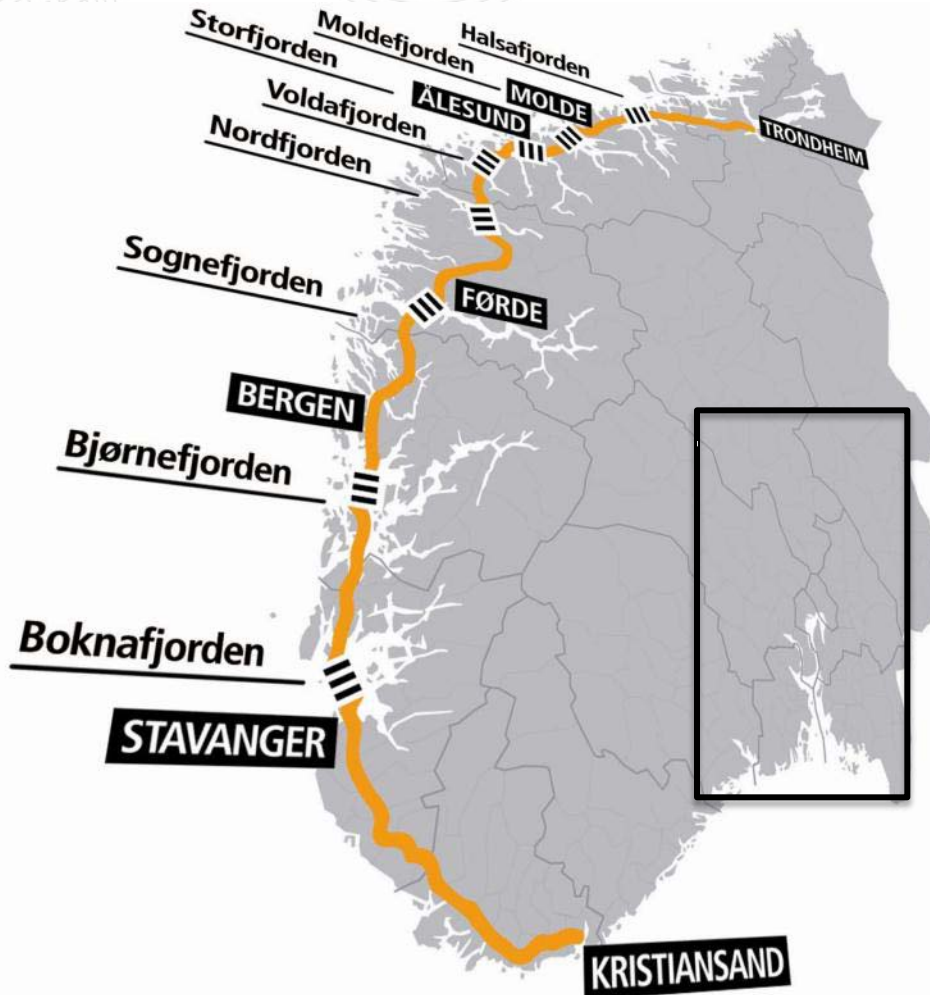


The cities

- Growth must be absorbed by public transport, walking and cycling
- Concentrated use of space
- Strong emphasis on
 - Buses
 - Urban rail, trams, metros
 - Railways
 - Road network for pedestrians and cyclists
- Restrictions on car use
- Urban packages in the largest cities
 - binding agreements
 - NOK 13 billion in the 45 per cent alternative

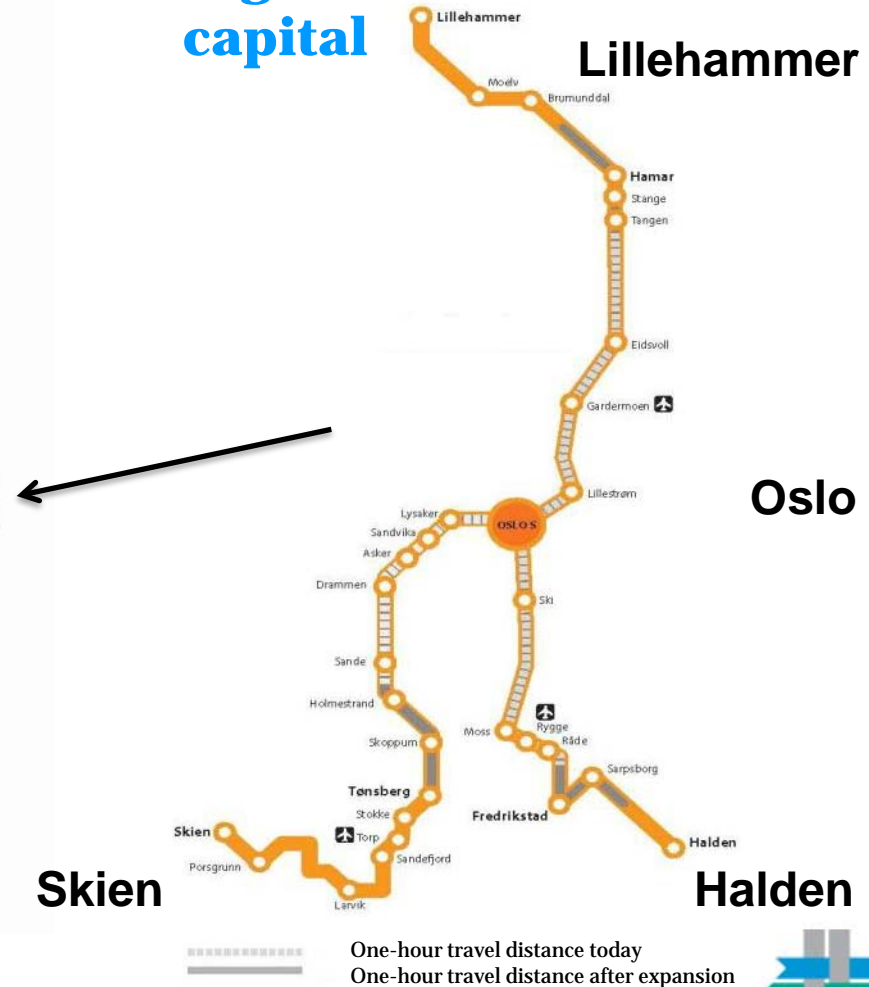


Strong regions and more efficient inter-regional transport



Ferry-free coastal highway

Expanding the intercity region around the capital



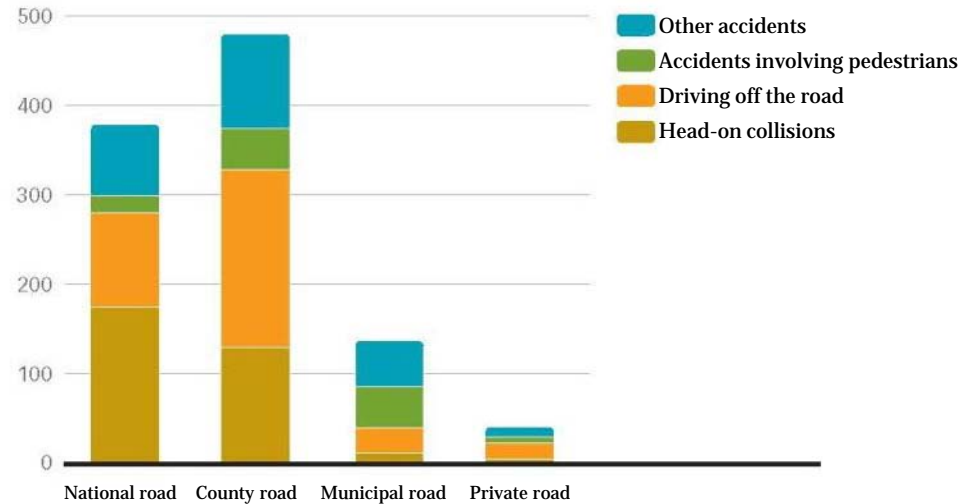
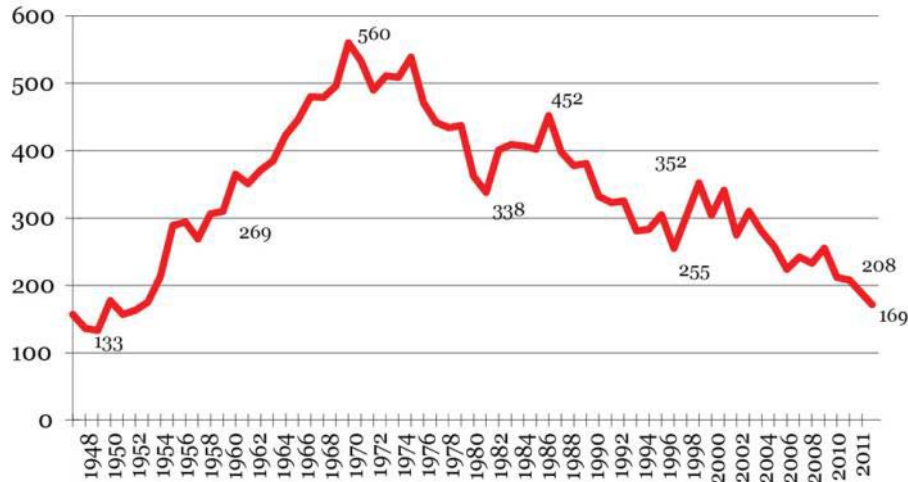
Northern Region

- Increased capacity on the Ofoten and Nordland rail lines
- Upgrading of roads on the comprehensive network
- Improved shipping facilities
- New airports in Lofoten and Helgeland



Traffic safety

- Ambitious goals for road traffic safety
- The number of fatalities and serious injuries to be reduced by half by 2024 (100/400)



Average number of fatalities and serious injuries per year in the period 2007-2010, by road category and type of accident.

Many actors must be involved



Norway – a carbon-neutral society by 2050

Reduce emissions from the transport sector by at least 2.5-4 million tonnes CO₂ equivalent by 2020 compared with the baseline scenario

Various measures, including:

- Expansion of railways and other public transport modalities
- Cargo transport by ship and rail
- R&D to support more climate-friendly transport and distribution of biofuels



Substantial impact requires effective measures



10 main corridors – of particular importance for the EU

No
corridors
to natural
resources
in the
northern
regions

- 1)  Baltic – Adriatic Corridor
- 2)  Warsaw – Berlin – Amsterdam Corridor
- 3)  Mediterranean Corridor
- 4)  Hamburg – Lefkosia Corridor
- 5)  Helsinki – Valletta Corridor
- 6)  Genova – Rotterdam Corridor
- 7)  Atlantic Corridor
- 8)  Dublin – London – Paris – Brussels Corridor
- 9)  Antwerp – Lyon – Basel Corridor
- 10)  Seine – Danube Corridor



TEN-T

Core and
comprehensive
network



TEN-T

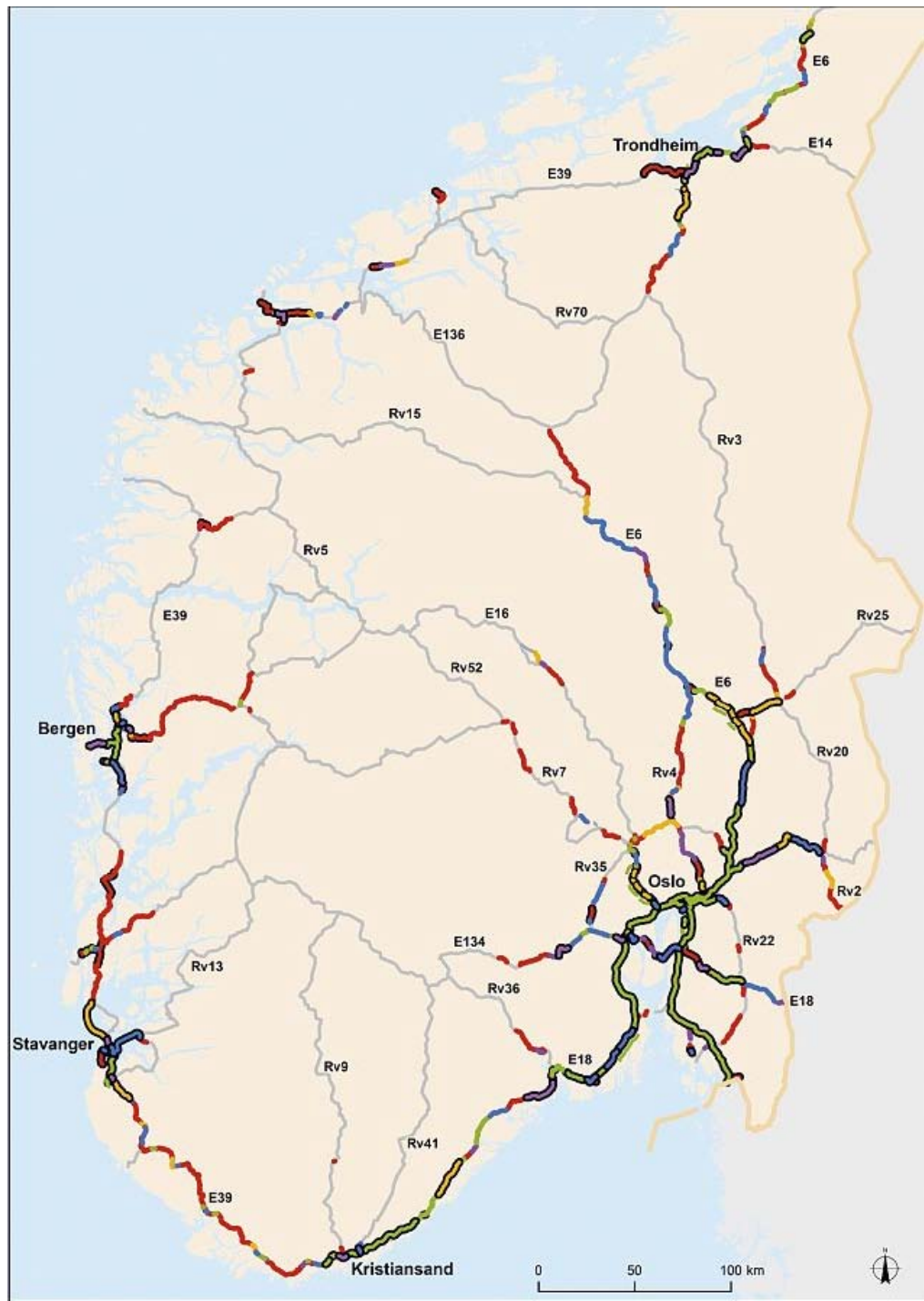
– from “patchwork” to integrated network by 2030



Status E6, E16, E18, E39

Red lines indicate
stretches not
upgraded by 2023

- given the highest
framework alternative



A national effort

- More efficient planning
- Faster and less fragmented construction
- Cooperation with the consultancy and construction industries
- Predictable funding



World's Longest ...

Lærdal tunnel (24.5 km)

Nordhordland floating bridge (floating section 1246 m)



**Norway has challenges
which require
state-of-the-art bridges
and tunnels**

