





1965 – 1972, 1998 -

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ICELAND

General remarks





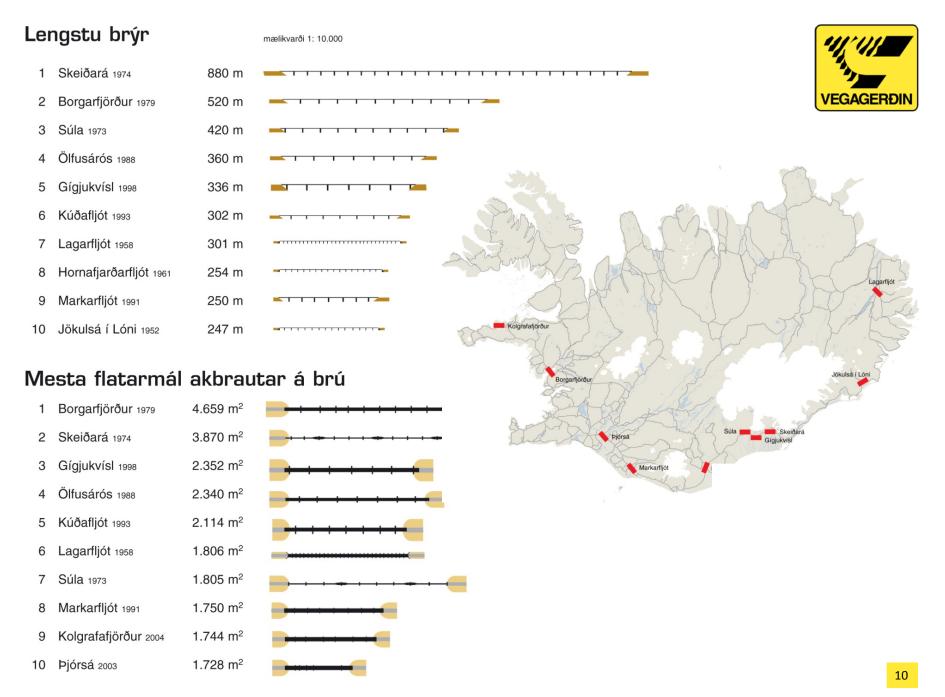












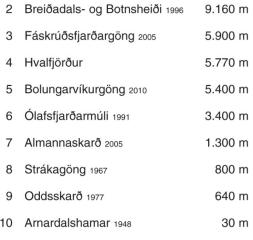
Veggöng

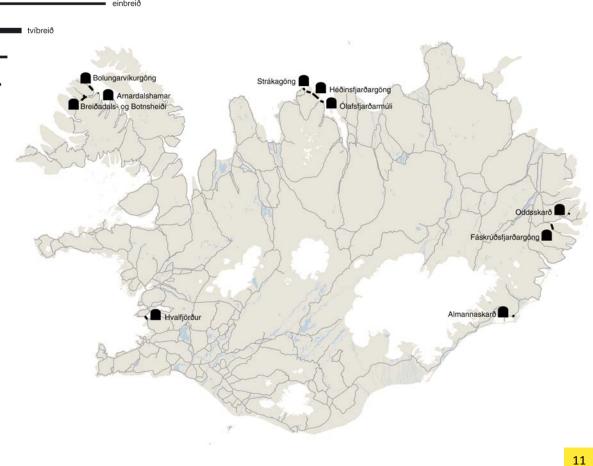


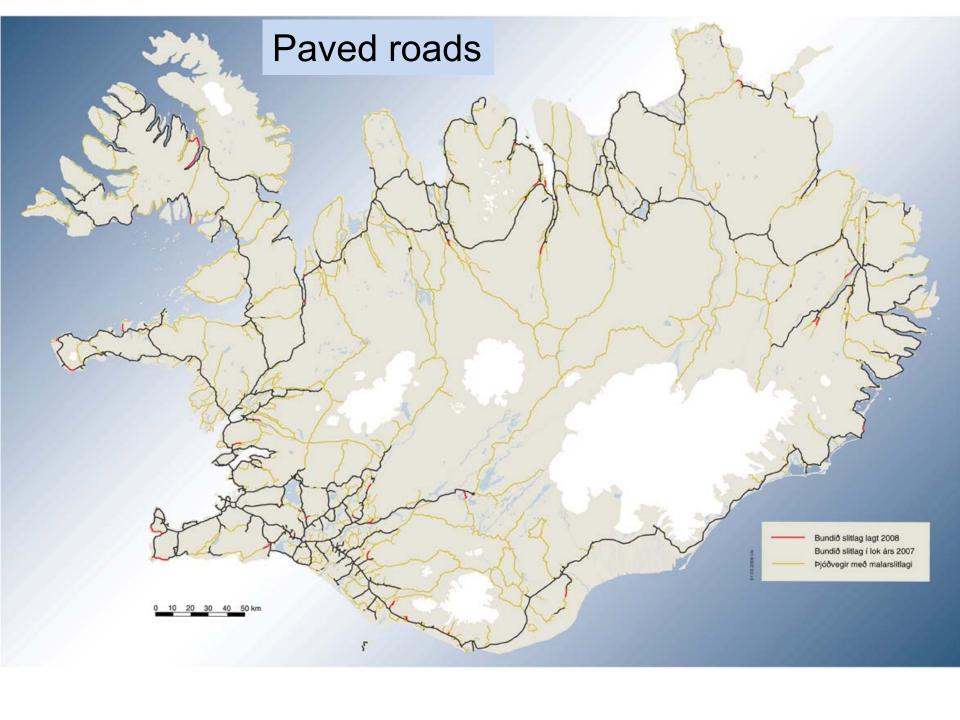
mælikvarði 1: 100.000

Siglufjarðarleggur 3.900 m



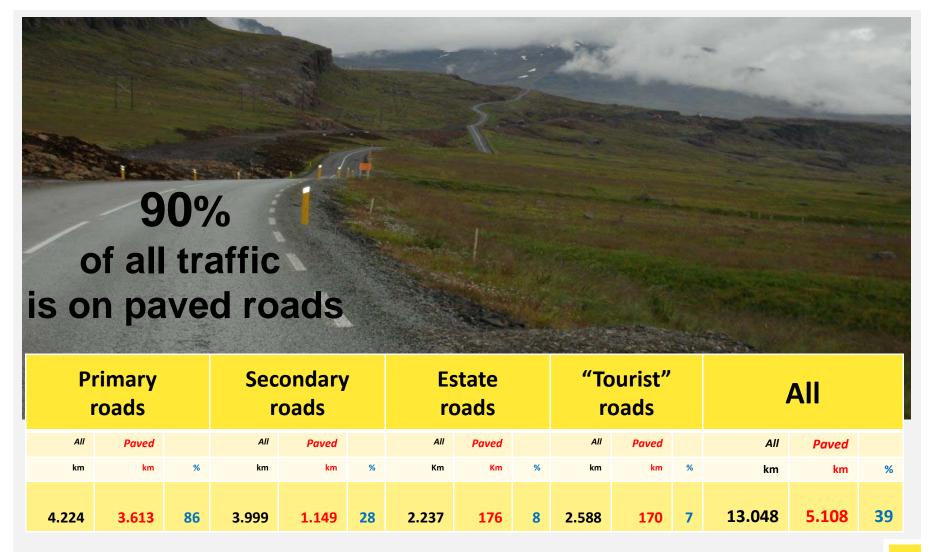






Paved roads in Iceland end of year 2009

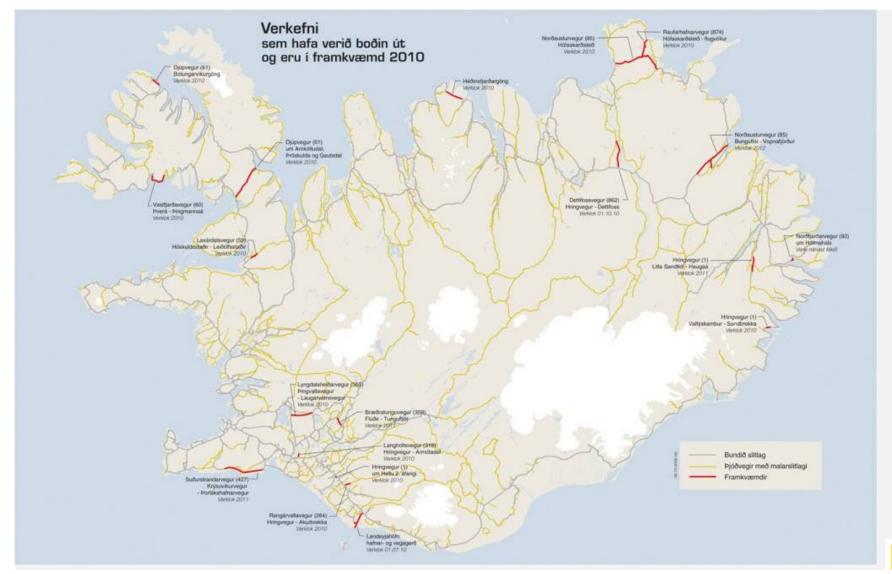




Road projects in year 2010

already in progress

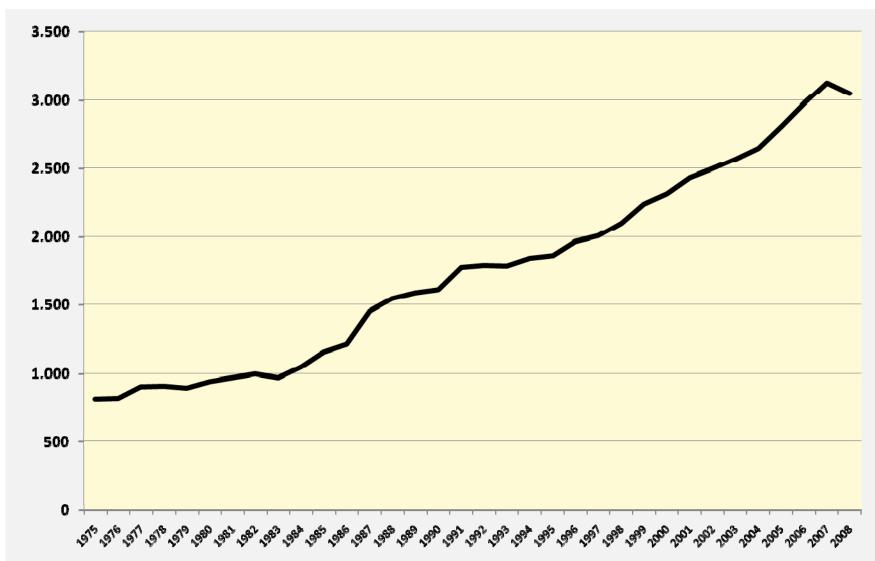




Traffic in Iceland 1975 – 2008

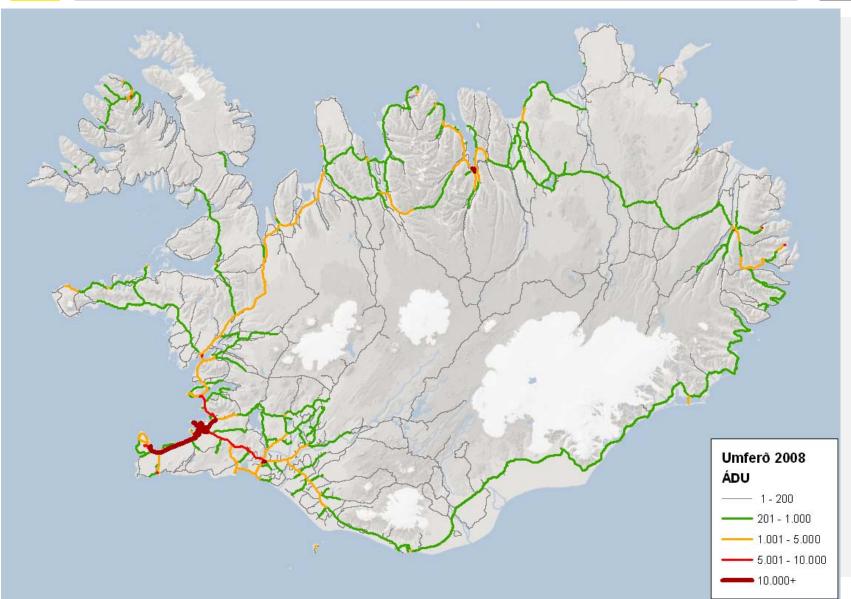
million driven km





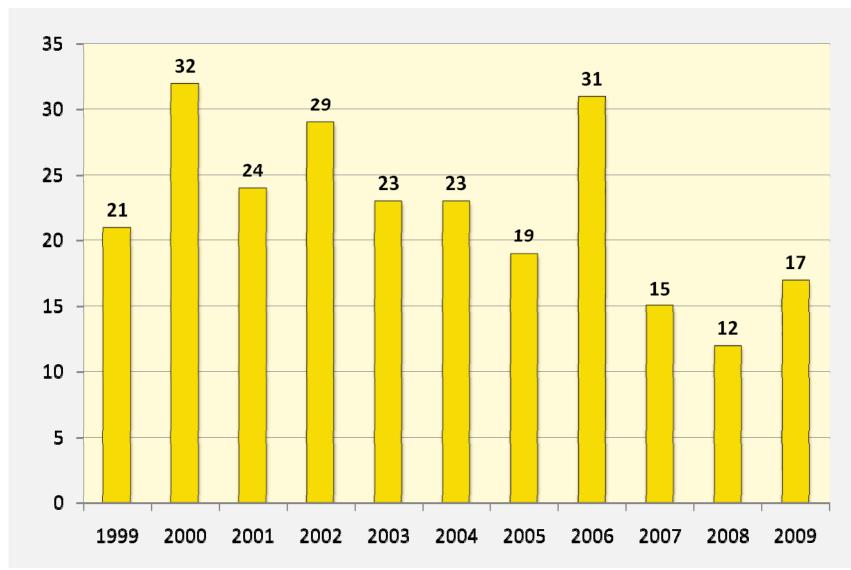
Average daily traffic 2008





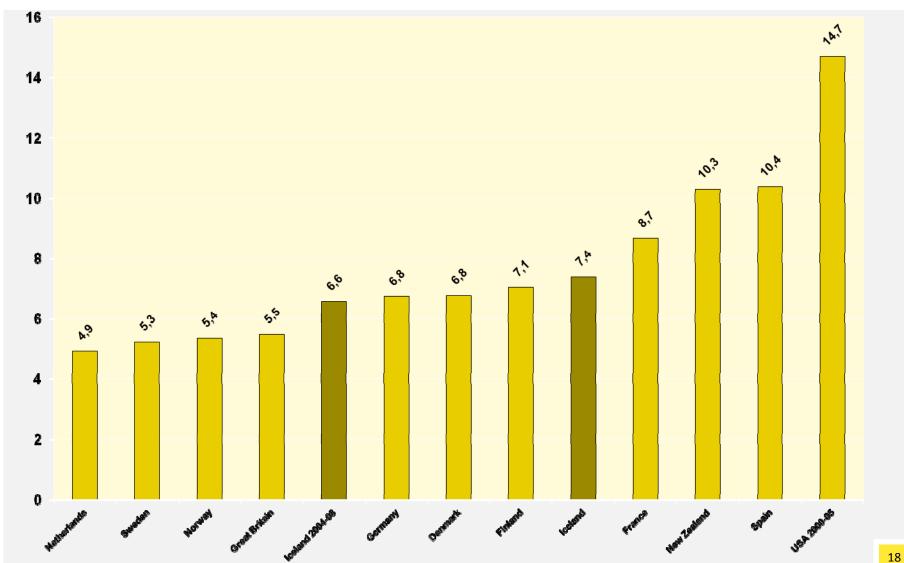
Road fatalities 1999 – 2009





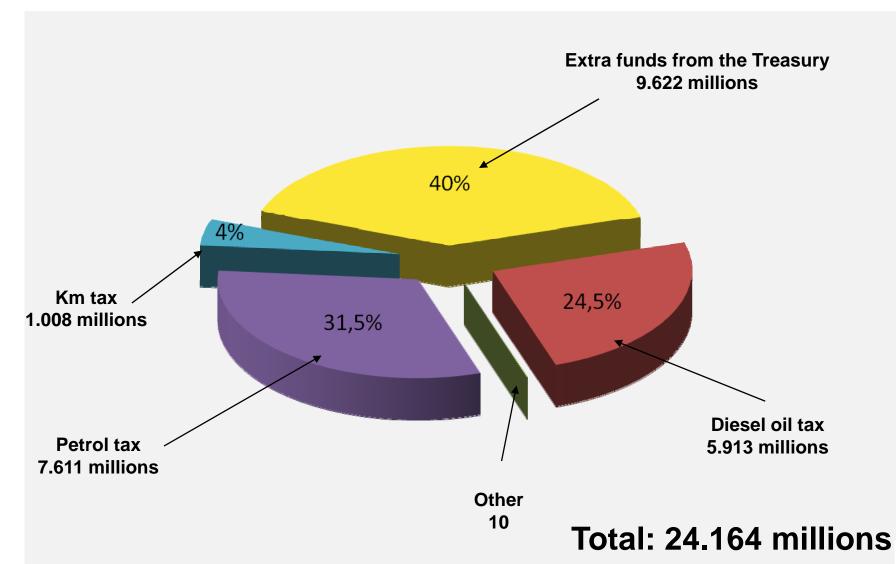
Number of killed per 100 thousand inhabitants (Average for the period 2003-2007 + Iceland 2004 – 2008).





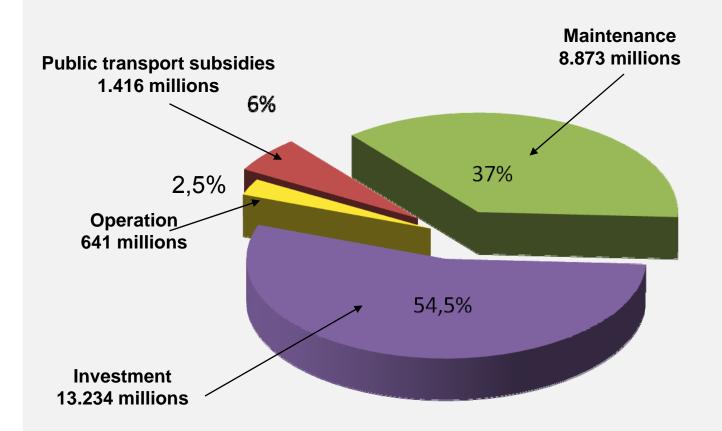
ICERA sources of income 2009





ICERA expenditures 2009

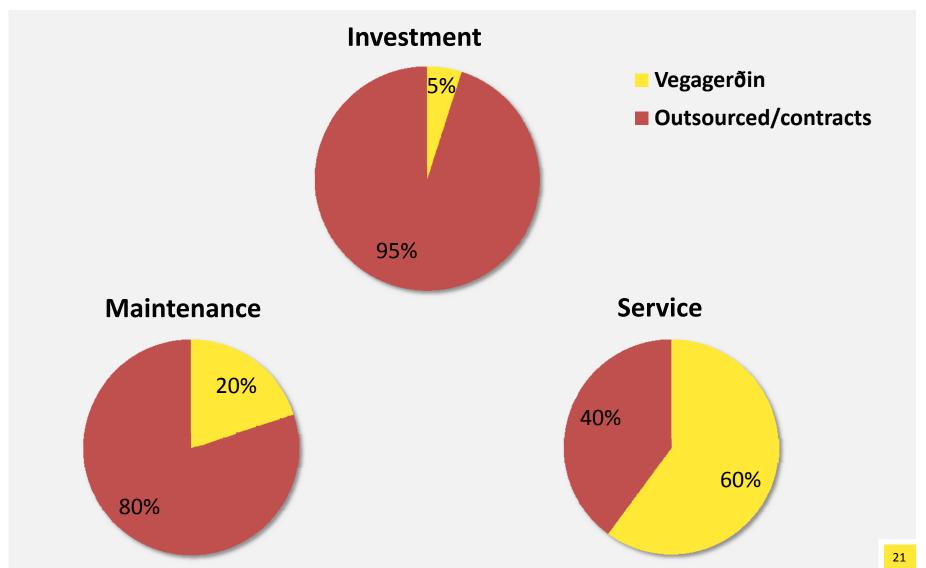




Total: 24.164 milions

Outsourced/contracts vs. Vegagerðin estimates

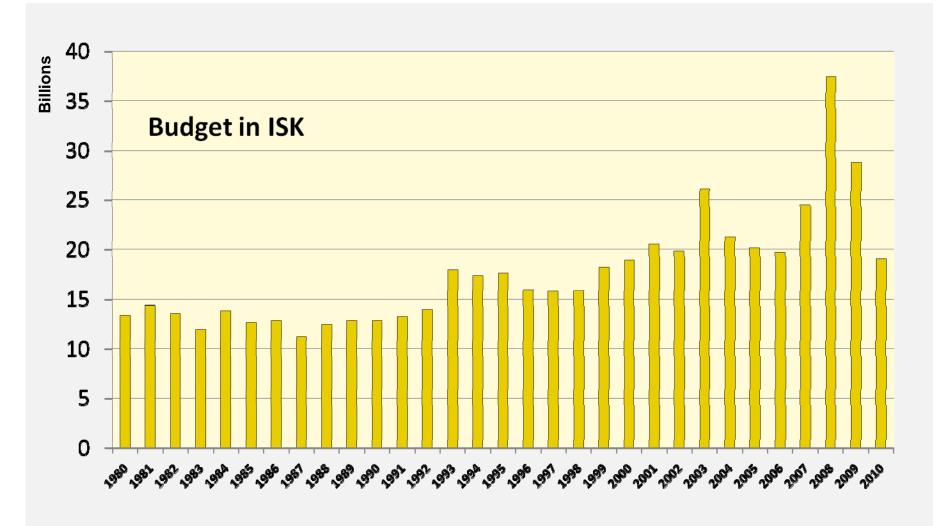




ICERA budget (total)

November 2009 prices

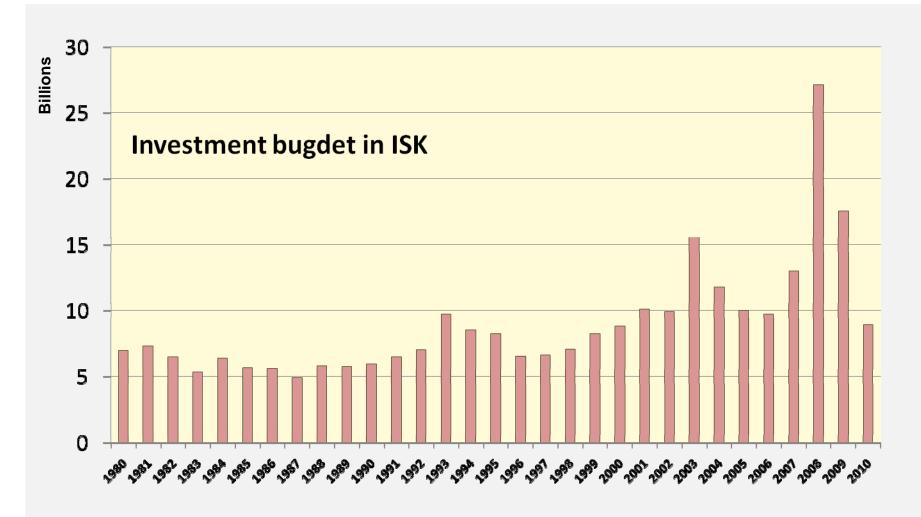




ICERA investment budget

November 2009 prices





Political priorities, new constructions 2007 - 2018



> The Capital area

- New traffic routes
- Interchanges on heavily trafficated intersections
- Noise

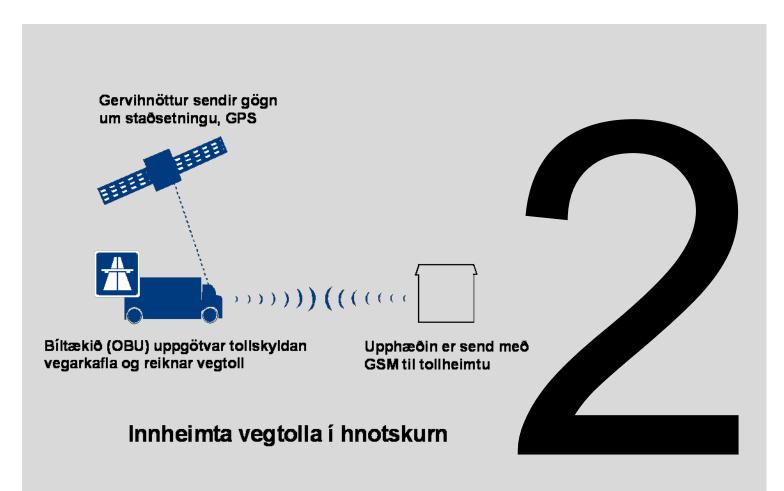
> Roads out of the Capital area

- Increase the capacity
- Increase the safety

> Tunnels

- Replace surface mountain roads
- Decrease travel time within service and school areas
- Traffic safety

Paving of roads





Toll roads – no new idea





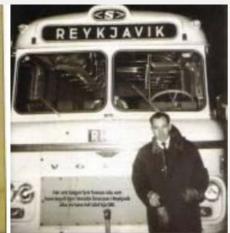
Everybody wants to be on the bandwagon.....



- The first toll road in Iceland was Reykjanesbraut from Hafnarfjörður – Keflavík
- The collected fee financed the first real highway with concrete pavement
- Toll collection 1965 –
 1972 Terminated
 because of public
 opposition of fee
 collection, mainly in the
 Reykjanes peninsula



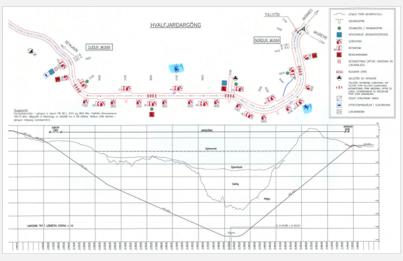






- Hvalfjördur subsea tunnel: 5,8 km 1998
- Built by a private company, partially owned by the state
- Toll fee was precondition because of lack of financial resources
- Cuts distance 42 km







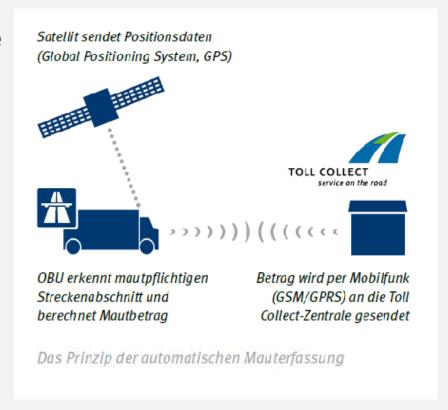
- Fee collection in Hvalfjördur
 - Manual
 - Automatic in a cross-section with AutoPass chip in the front shield of vehicles
 - Video with automatic licence plate recognition







- 2005 Report on change of taxation of vehicles
 - 2011 every vehicle with GSM/GPS On Board Units (OBU)
 - Pay as you drive, depending on distance, location and time
 - Petrol and diesel taxes abandoned





- GPS satellites not northerly enough for Iceland
- Galileo in use 2014. A better reception of satellite signal in Iceland
- This technology is in use on German Autobahnen for trucks ≥ 12 tn, in Slovakia on 2.400 km major roads for vans, trucks and buses ≥ 3,5 tn and for all vehicles in the Netherlands 2017
- Investment cost is high
 - OBU 120 €/piece (1 million pieces in Slovakia)
 - OBU 300 500\$ each piece USA
 - Plus other infrastructure



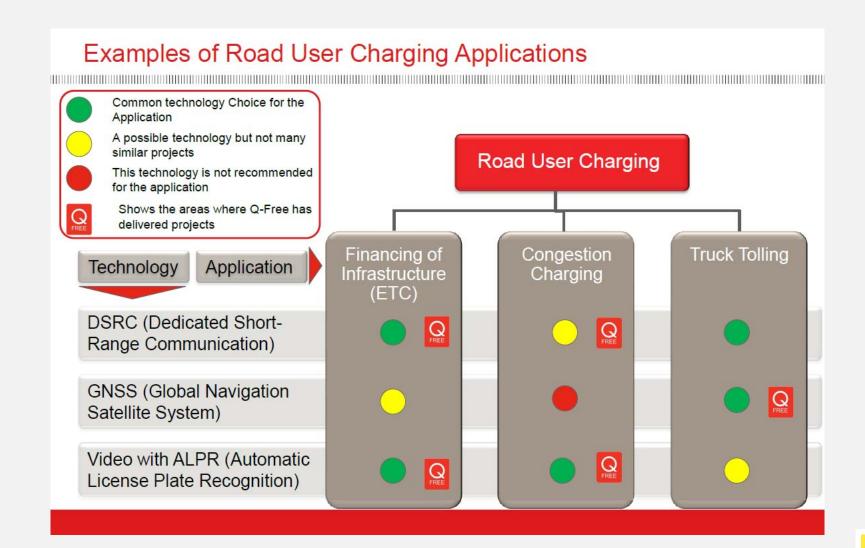
- Next steps in Iceland
 - The Icelandic state cannot borrow money for road construction in the near future
 - Necessary to step up investment inter alia in road construction in order to come out of the crisis
 - The Icelandic pension funds are willing to finance road construction projects
 - Sudurlandsvegur (1)
 - Vesturlandsvegur (1)
 - Sundabraut
 - Hvalfjördur subsea tunnel (1), additional tunnel, 2 lanes
 - Vadlaheidi tunnel (1)



- The projects must be sustainable
 - The collected toll fee must pay back the loans to the Pension funds
 - The Icelandic state cannot guarantee the repayments
 - The pension funds must have reasonable return of their investment
- Some political doubts of the rightness of toll fee
- The amount of the toll fee surprised some people
- Discussion on toll roads will continue

Methods of toll fee collection





Thank you!

