

Transport Vision 2050

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Irish Academy of Engineering

Founded in 1997
About 110 fellows
All Ireland Academy

Objective;

'To advance the science and and practice of engineering in Ireland as an essential element in the development and enhancement of living standards.'

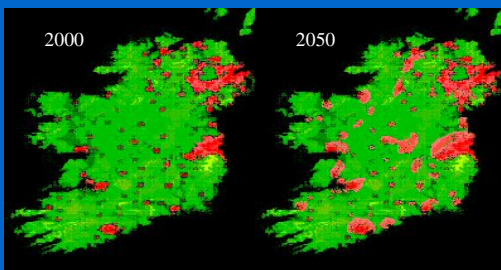
Life Style

- Population of 8 million on the island
- 4 million cars
- Economy to grow by 100%
- More people working from home
- Community Offices
- Hydrogen Economy
- Energy
- Spatial Strategy

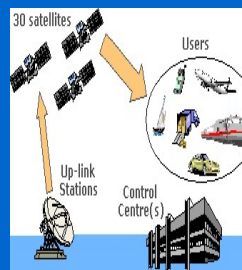
Green Energy



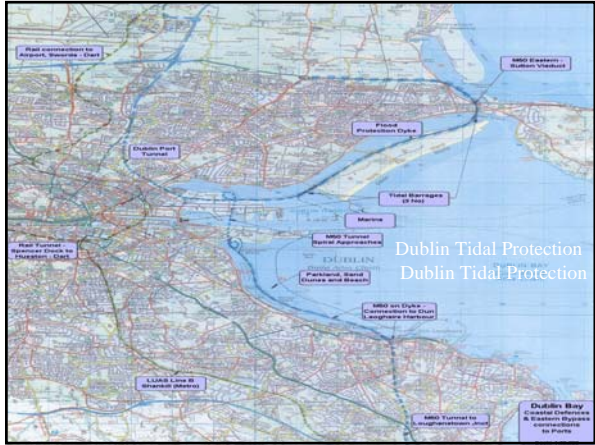
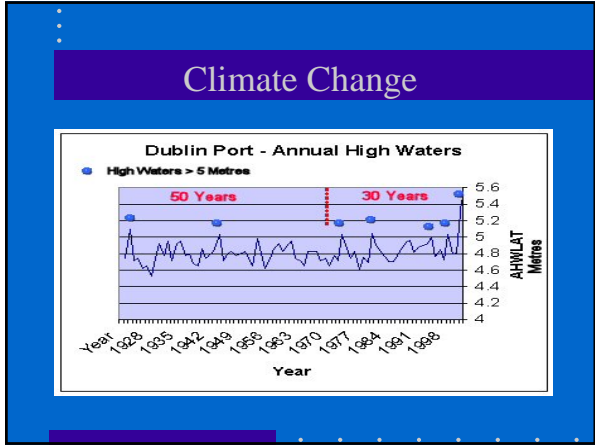
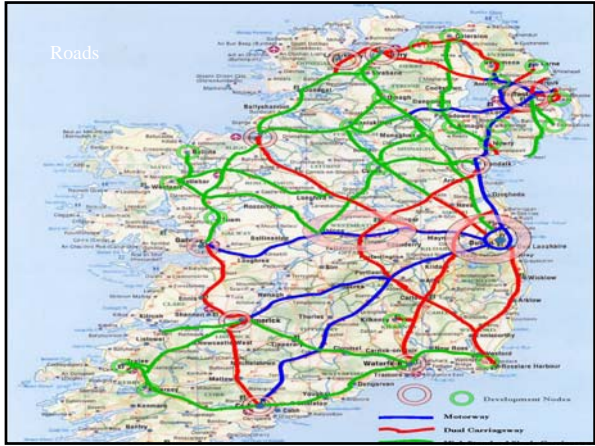
Spatial Strategy

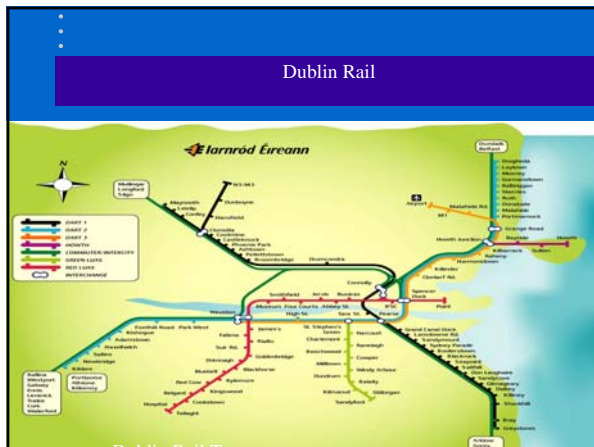
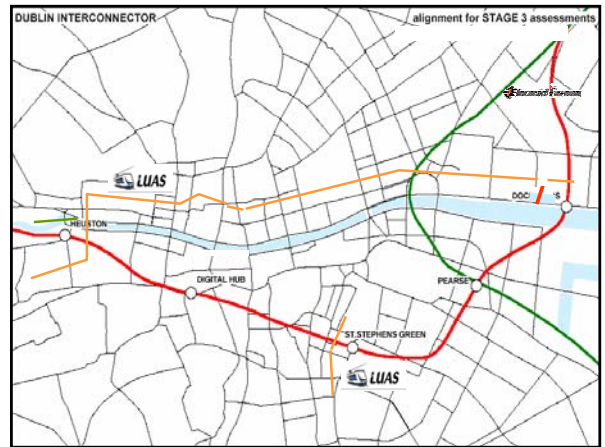
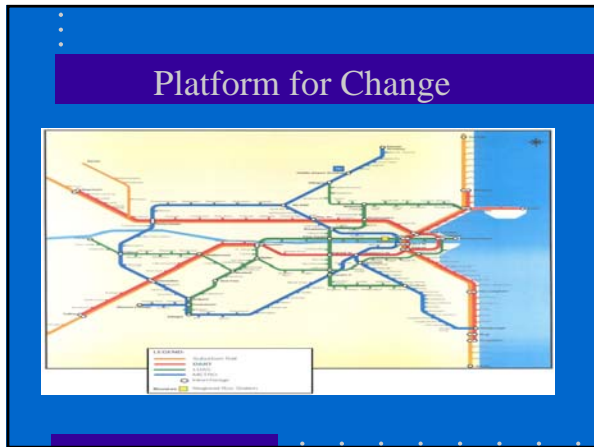
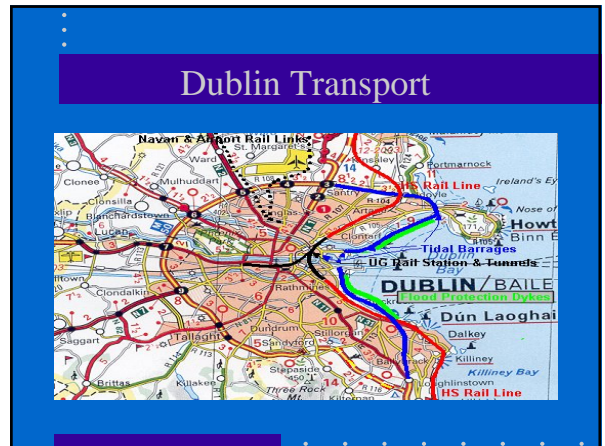


Satellite Control -Galileo



- Traffic Information Management
- Automated Highways
- Electronic Vehicle Identification
- Speed Control of vehicles
- Network Charging
- Railway Signalling





Ports & Shipping

Total trade increased by 100% 2000-2050



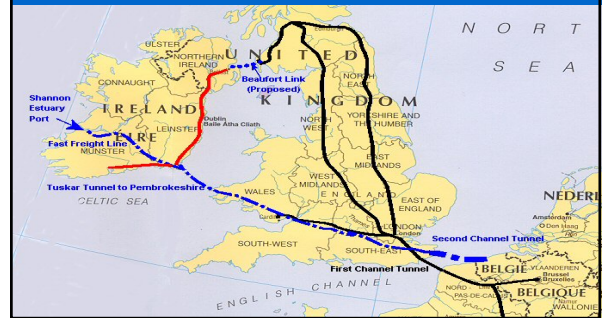
New Port Loughshinny



Freight Entrepot Shannon Estuary



New Gateway to Europe



The Gap

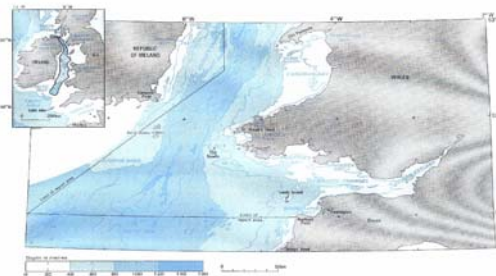


Figure 10 Simplified bathymetry of the report area and surrounding areas

The Geology Tuskar Tunnel

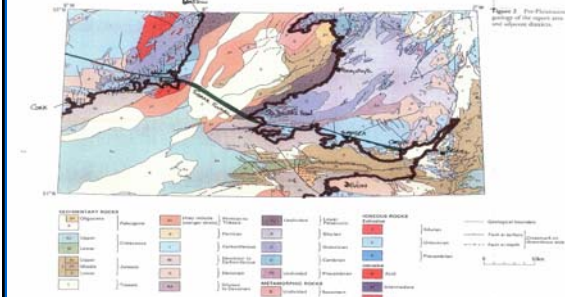
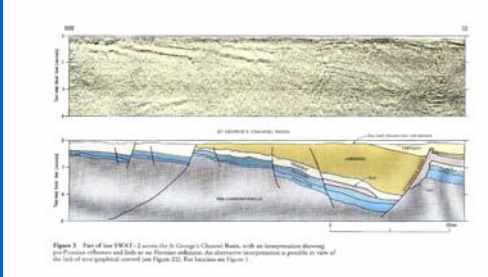


Figure 11 The Proposed Geology of the Proposed Tunnel

St Georges Channel



Breaking Ground

'Some men see things as they are and ask why. Others dream of things that never were and ask why not.'

George Bernard Shaw