



# Skipulagsárið 2008

## Climate Change & Planning in Scotland

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# Outline

Iceland & Scotland

Climate Change Impacts

Climate Change Action

Scottish Measures

Planning

Planning in Scotland

Final Thoughts





# Iceland & Scotland

**Geographically :** Small countries to north-west extent of Europe

**Culturally :** Historic links & re-gained governance from others

**Economically :** Natural resources, tourism & arts : management of natural and built environment crucial

**Population :** Size, density & growth rates

**Planning :**



**Skipulagsstofnun**

Agency

Minister for the Environment



**Directorate for the Built Environment**

Core Department

Minister for Transport, Infrastructure  
& Climate Change

Cabinet Secretary Finance &  
Sustainable Growth



# Climate Change Impacts

## Recent documents highlight similarities :

- 🇳🇴 Report of Scientific Committee on Climate Change in Iceland – July '08
- 🇸🇬 Adapting Our Ways : Managing Scotland's Climate Change Risk – June '08

## Environmental, Social & Economic consequences :

Warmer	→	Infrastructure disruption : roads, water, electricity
Wetter		Business & industry, tourism, fishing : employment
Sea level rise	→	Coastal erosion
Species change		Agriculture : disease, growing season, food prices
Storms & floods		Land value & property ownership



# Climate Change Action

**Mitigation :** long term measures to reduce GHG emission

**Adaptation :** short term measures to reduce vulnerability to unavoidable impacts

**International :** Agreements

Kyoto Protocol

**National :** Policy

Sustainable Development  
Climate Change  
Energy  
Transport



Technical  
Fiscal



Behavioural



# Scottish Measures

**Government Economic Strategy** : Sustainable economic growth

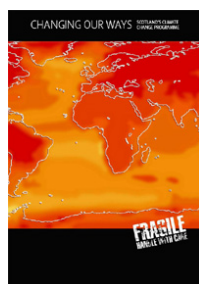
**Climate Change Programme** : To be updated

**Climate Change Declaration** : Local Authority commitment

**UK & Scottish Climate Change Bill** : Emissions reduction targets

**Renewable Energy Target** : 50% electricity generated in Scotland to come from renewables by 2020 (31% by 2011)

**Adaptation Strategy** : Managing Scotland's Climate Risk





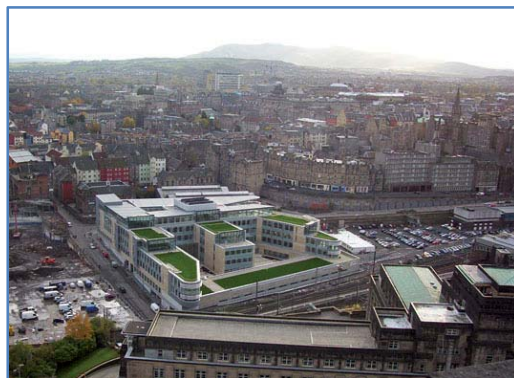
# Planning

**Reduce need to travel** : mixed-use & higher densities encourage active & sustainable travel modes

**Reuse buildings & developed land** : encourage adaptable formats & use of vacant land

**Reduce emissions from new buildings** : construction methods & materials

**Increase resilience of sites from climate conditions** : siting & landscaping





# Planning

**Flood risk management** : SUDs & coastal zone management

**Green space** : habitat networks for species movement

**Use of clean energy** : micro-generation & community / district heating

**Waste management** : enable easy separation, storage & collection



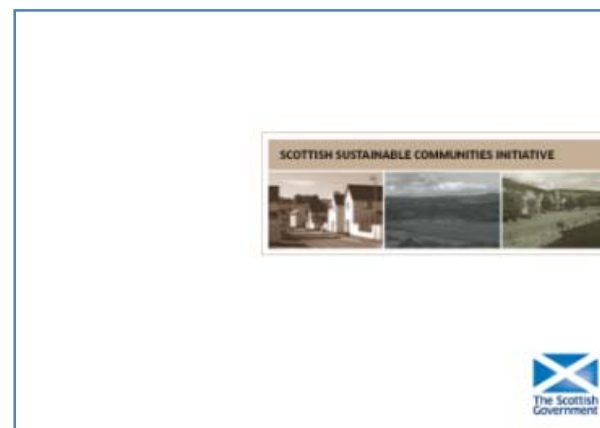
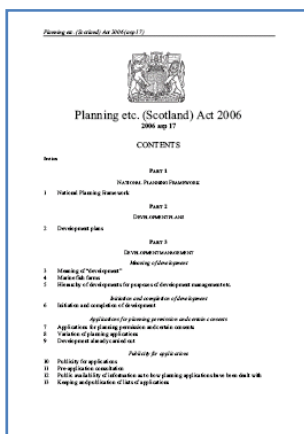


# Planning in Scotland

**Legislation :** Planning etc. (Scotland) Act, 2006

**Policy :** Statutory Guidance on Planning & Sustainable Development

**Project :** Sustainable Communities Initiative





## Points to consider....

The opportunity that planning provides as another way to address climate change...

The way this message is conveyed to related interests at all scales...

The role of planning in economic and social policies as well as environmental issues...

The influence of the organisational context of planning at the national and local level...