

# Climate Change Impacts on Coastal Communities and Habitats



- Sea-level rising and increased storminess are a concern for local authorities with a significant coastal region.
- Stakeholders are still unaware of how climate change will affect society in coastal areas
- Objectives:
  - To quantify the impacts of projected climate change on vulnerable low-lying coastal communities and habitats
    - E.g. Local scenarios of sea-level rising, storm surge modelling, and predicted shoreline erosion
    - Assessment of the socio-economic impacts
  - To develop and introduce a range of adaptation policies and capabilities at the local scale for the use of coastal planners and local stakeholders

# Partnership



- Lead partner: Comhairle nan Eilean Siar (local authority)
  
- Other partners, Scotland:
  - Aberdeen Institute for Coastal Science and Management (Univ. of Aberdeen)
  - Environmental Research Institute (UHI)
  - Scottish Natural Heritage
  - VisitScotland
  
- Ireland:
  - Centre for Coastal and Marine Research (Univ. of Ulster)
  - Coastal and Marine Resources Centre (Univ. College Cork)
  
- Norway:
  - Norut NIBR Finnmark (NORUT)

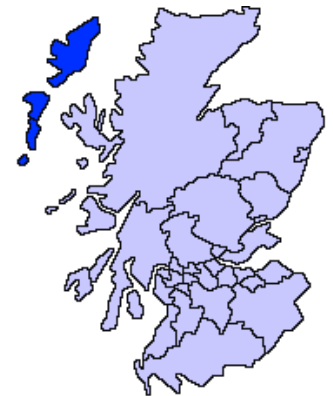


Fig. Na h-Eileanan Siar

# Coastal Communities and Habitats



- Scientific themes:
  - Coastal erosion and flooding
  - Climate change and tourism
  - Disruption to transportation
  - Habitat loss and biodiversity
  
- Trans-national component of the project will permit knowledge transfer of planned mitigation and adaptation strategies to the predicted impacts of climate change among the participating countries

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