



Academic Contributions

People and Build Environment (P)1

Vision:

“We have people, homes, buildings and communities that are resilient to the impacts of flooding and extreme weather”

Impact of 20mph Speed Limits on Health (including modelling of climatic changes)

Dr Ruth Hunter, Queen's University Belfast

NI Evidence Report Risks & Opportunities Addressed:

Pb10: Risks to health from changes in air quality

Collaborating Organisations:

Dr Ruth Jepson (University of Edinburgh), Dr Andrew Williams (University of Exeter), Dr Andy Cope (Sustrans), Dr Charlie Foster (University of Bristol), Dr Graham Baker (University of Edinburgh), Dr James Woodcock (University of Cambridge), Dr Karen Milton (University of East Anglia), Dr Paul Kelly (University of Edinburgh), Mr Neil Craig (NHS Scotland), Professor Frank Kee (Queen's University Belfast) and Professor Michael Kelly (University of Cambridge)

Funders

National Institute for Health Research

Implementation Timeline

By end of 2020/21

Research Project

The aim of the research project is to assess the impact of the 20mph speed limits on air quality in Belfast and Edinburgh city centres. The estimated change in air pollution will then be modelled to show changes in risk to health. Modelling will consider climatic changes such as increasing temperatures, changing wind patterns and blocking episodes, which could impact on air pollution levels.