



Climate change

In recent years Mannvit Engineering has been working on a number of projects, which involve modelling and forecasting of greenhouse gas emissions from sectors such as traffic, fishing and waste handling. These projects included analysis of the environmental benefits and costs of technical measures, such as substituting conventional fossil fuel with various types of renewable fuels, and strategic traffic planning to increase the mode share of walking, cycling and use of public transport. Also, environmental benefits and costs of production of renewable fuel from waste have been analysed and compared to other pathways that are possible for reducing greenhouse gas emissions from waste handling.

In 2008-2009 Mannvit did a study of the cost of various technical actions to reduce emissions of greenhouse gases from traffic, fishing and waste handling, in a short-term period (to 2020) and a long-term period (to 2050) for the Icelandic Ministry for the Environment. The cost was estimated according to IPCC methodology. The results of this work have been published by the ministry, together with results for other sectors, in the first comprehensive report of its kind in Iceland. The results will be a part of Iceland's agenda on the forthcoming UN climate change conference in Copenhagen.

Mannvit has also forecasted greenhouse gas emissions from various sectors for municipalities in Iceland. Mannvit was The City of Reykjavík advisor on the city's newly published air quality and climate agenda.

