



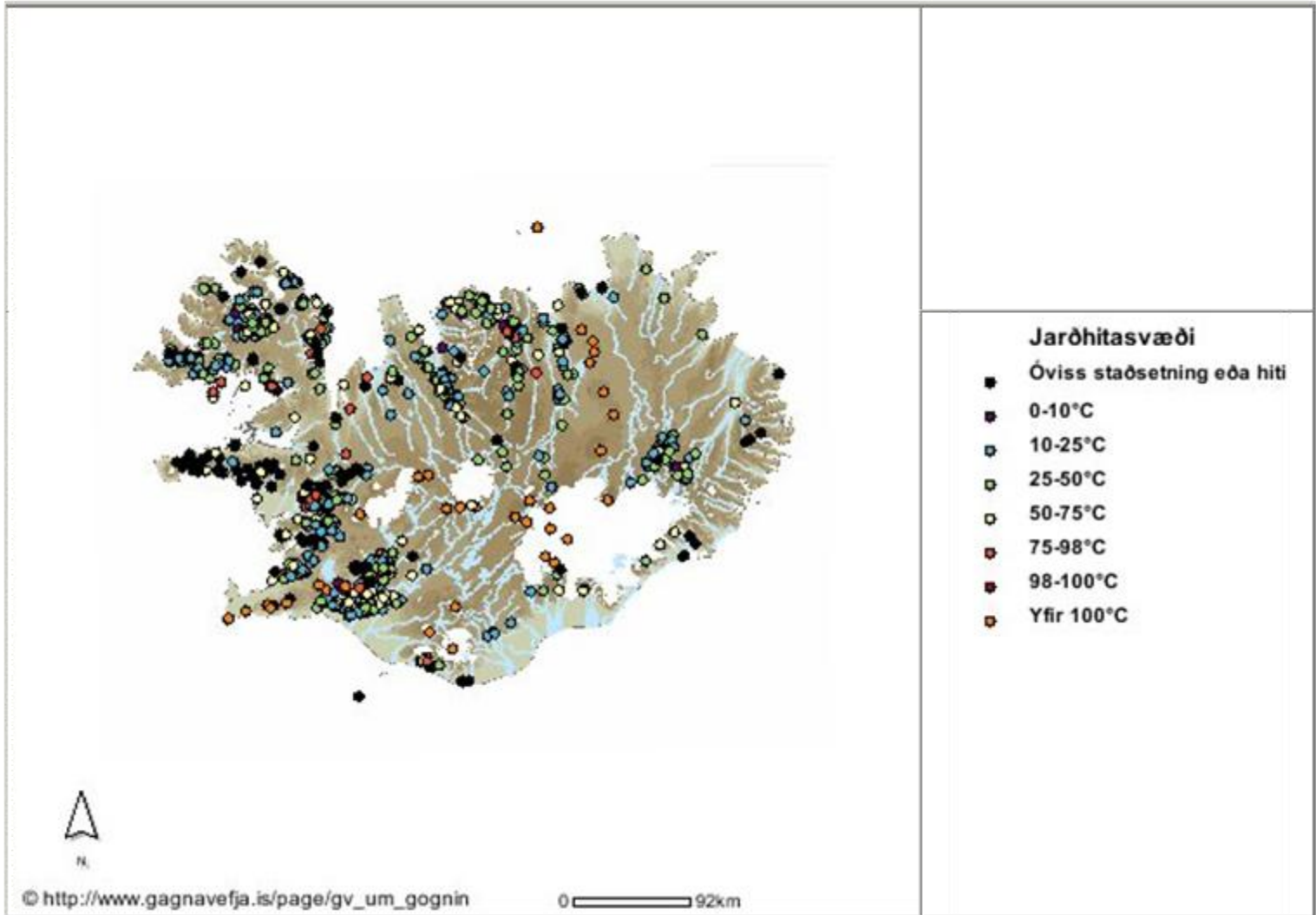
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WP7 Impact of geothermal utilisation on Icelandic society

WP7 – Main objectives

- Analyse the social and economic impact utilisation of geothermal energy has had on Icelandic society.
- Better knowledge of how geothermal energy utilisation shapes modern society.
- Develop methods for transforming environmental effects into monetary values.
- Improved ranking of projects.

Geothermal areas in Iceland



WP7 – Description of work

- Build a database
 - Statistics Iceland and Orkustofnun
 - Utilities
 - Surveys
 - Other sources
- Analyse the social effects use of geothermal energy has had on e.g. public health and living standards.

WP7 – Description of work

- Importance for regional development
 - Households
 - Firms
- Macroeconomic effects
- Development of know-how and knowledge-based industries.
- Cost-benefit analysis and environmental impact.

WP7 – Tracing the effects of geothermal utilisation on society

- Geothermal energy can be viewed as
 - Input into the daily life of households
 - Direct input in the production process of firms, e.g. horticulture
 - Indirect input in the production process, e.g. for space heating.
- The effects of geothermal energy utilisation can be mapped directly and then indirectly by analysing the various linkages in society.

WP7 – Tracing the effects of geothermal utilisation on society

- Take any community in Iceland where geothermal energy is found and analyse:
 - Household use
 - Heating
 - Bathing
 - Washing
 - Industry use
 - Fish farming
 - Greenhouse horticulture
 - Recreation, spas, tourism
 - Processing industries

WP7 – Tracing the effects of geothermal utilisation, cont'd

– Amenity values

- Better and warmer houses
- Health effects
- Options for various utilisation possibilities
- Social role, e.g. swimming-pool groups
- Attractiveness - migration

WP7 – Unique study

- By analysing in depth the various ways in which geothermal energy enters into the every day life of the modern Icelander we will be able to study how the utilisation of this energy source shapes society.
- Such thorough analysis of a whole economy has rarely been undertaken before.
- An unique opportunity.