

Iceland
Liechtenstein
Norway grants



**Ministerstvo financí
České republiky**

TOPIC: Usage of energy in Iceland

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**PROJECT: Comparison of energy potencial of Iceland and the
Czech Republic**

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Usage of energy in Iceland

Electricity production

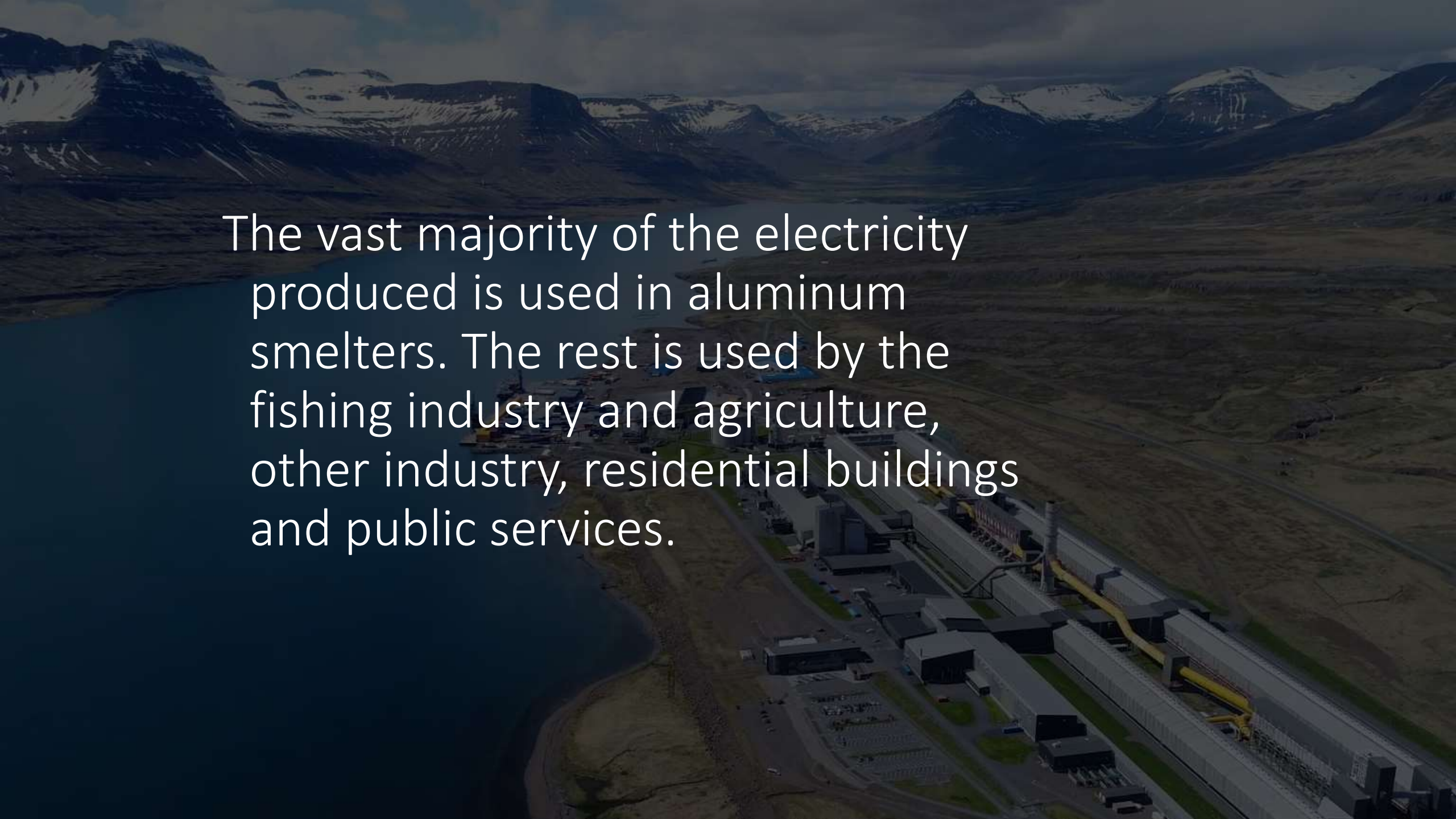
The following are used to produce electricity:

- Geothermal power plants 27%
- Hydropower plants 73%



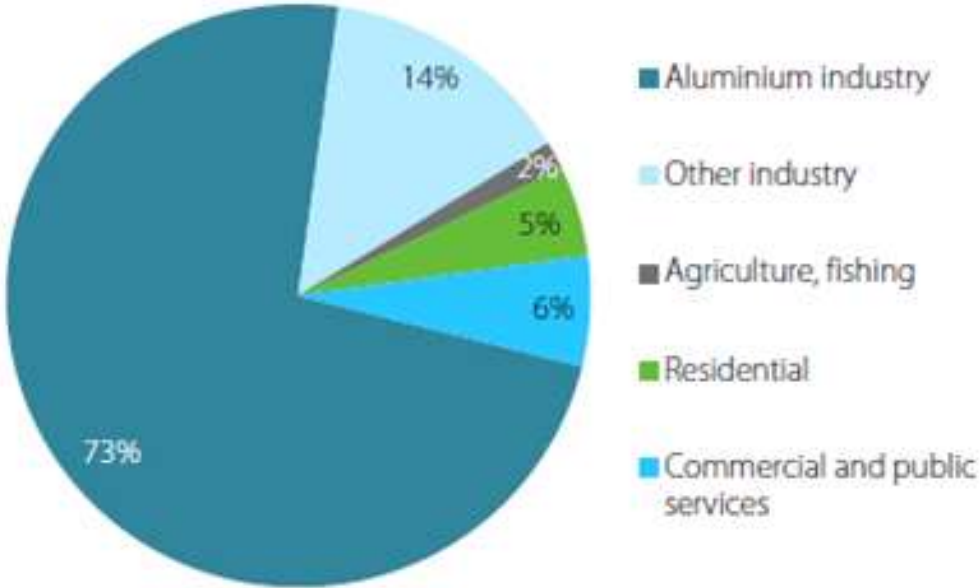


What is the energy used for?

An aerial photograph of an industrial facility, likely an aluminum smelter, situated in a valley. The facility consists of several long, parallel buildings with a grey facade, connected by a network of pipes and walkways. A prominent yellow pipe runs along the length of the main building. The surrounding landscape is rugged and mountainous, with snow-capped peaks in the background and a river or stream flowing through the valley. The sky is overcast and grey.

The vast majority of the electricity produced is used in aluminum smelters. The rest is used by the fishing industry and agriculture, other industry, residential buildings and public services.


Electricity consumption, 2012



Source: Orkustofnun (2014), Iceland Energy Portal.

Aluminum smelters

- Aluminum smelters use a lot of energy
- Not only that, but they also need a constant supply of electricity, which is one of the reasons why this industry is widespread in Iceland.
- As of 2013, Iceland ranks 11th in aluminum production with a share of 2.8% of total production



By 2050, Iceland wants to reduce its dependence on fossil fuels, which it mainly uses for transport. This means that, in the coming years, the number of electric cars will probably increase and with it the consumption of electricity, the production of which is almost 100% made up of renewable sources. With increased consumption, production will also have to increase in the future.