



Geothermal resources in Lithuania.

Geotermija šildomi Europos miestai



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*Klaipėdos parodomoji
geoterminė jėgainė
(KPGJ)*

20 metų

UAB „Geoterma“



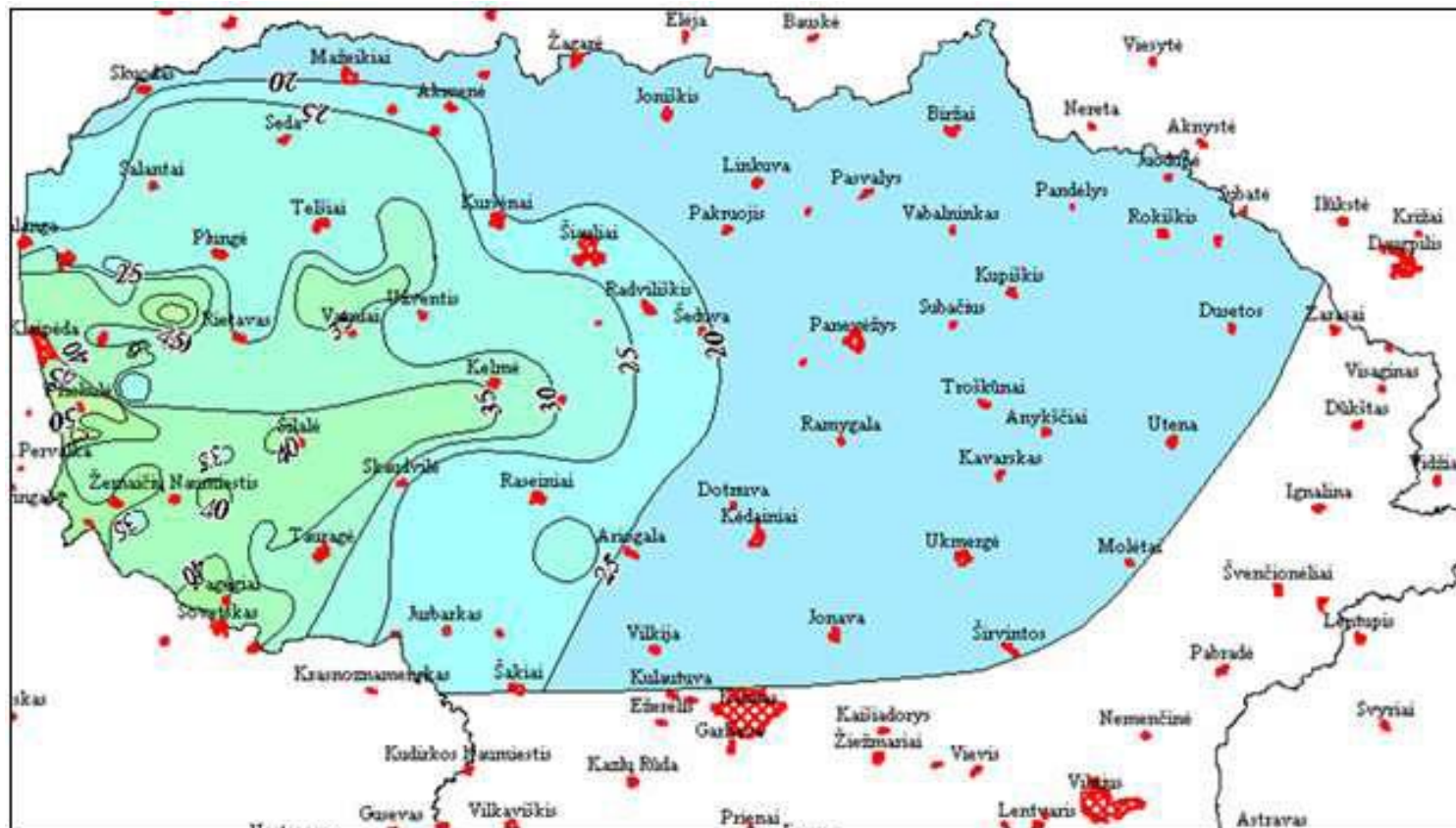
07.04.2017

UAB „GEOTERMA“

Temperatures 1000 m



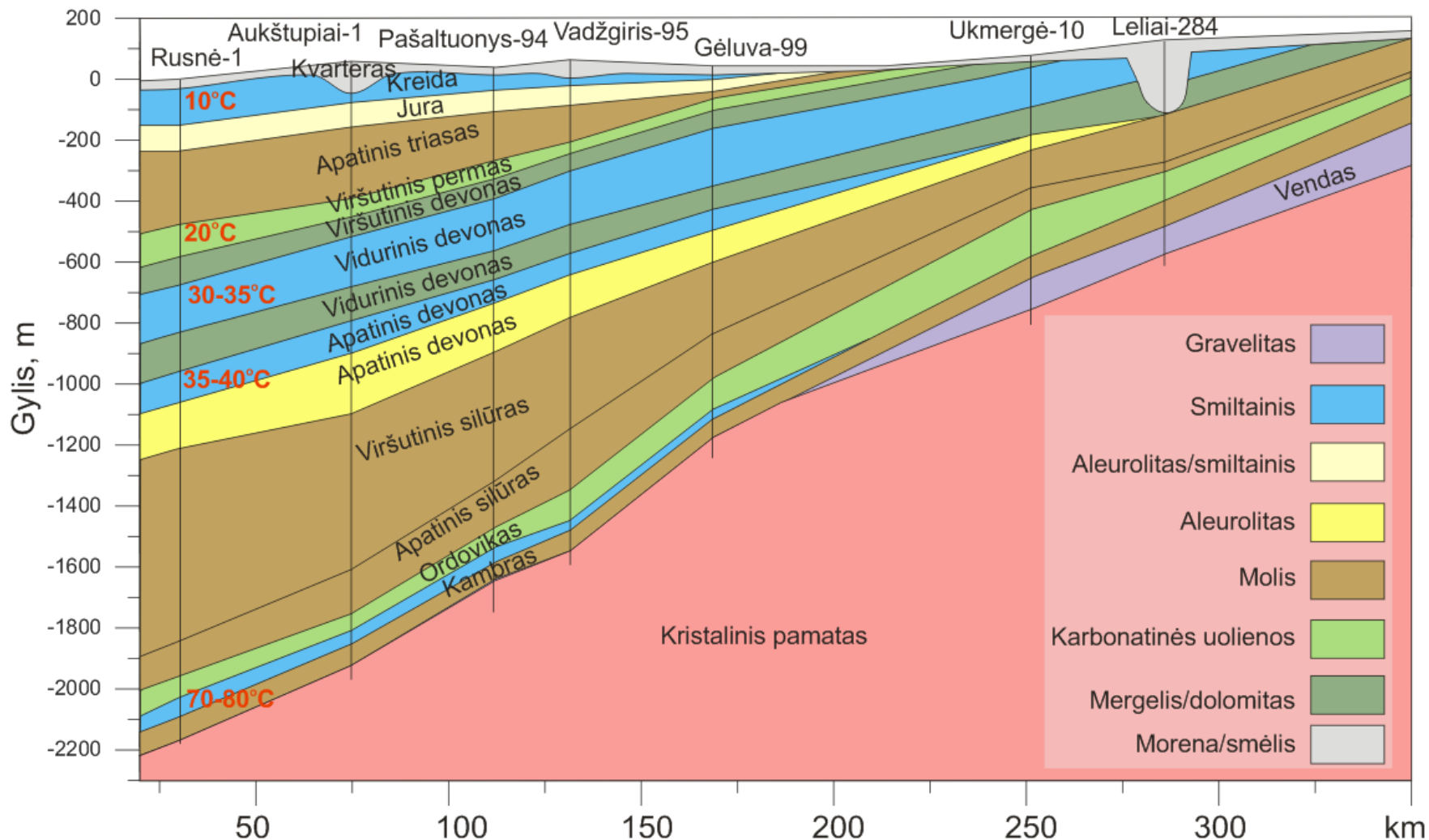
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Temperatures



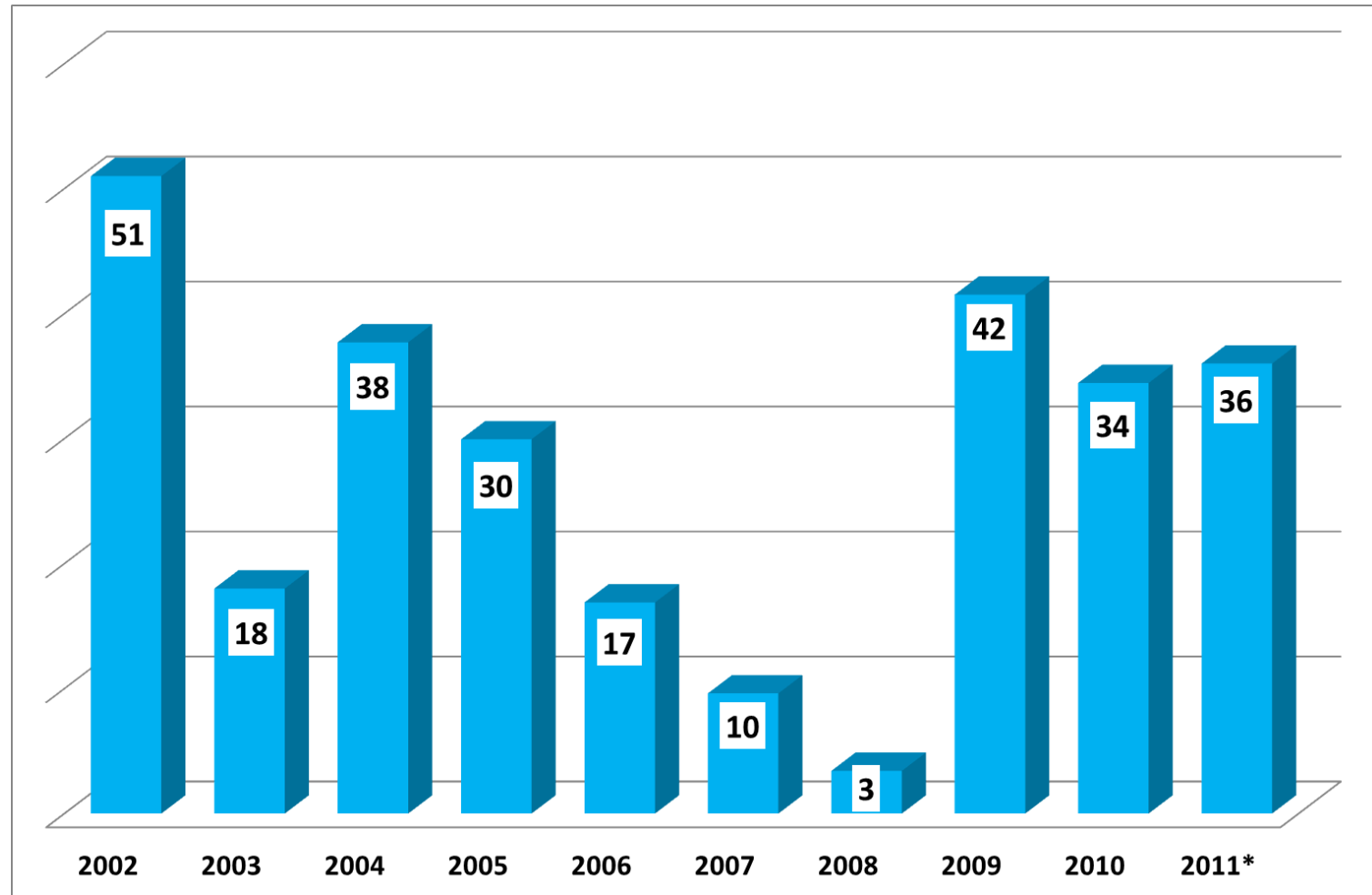
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Production of Geothermal energy 2002-2011 m., thousand . MWh



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Mineralization



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- 2009 year. Reconstruction of the well



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- 2010 m. Regas unit installed



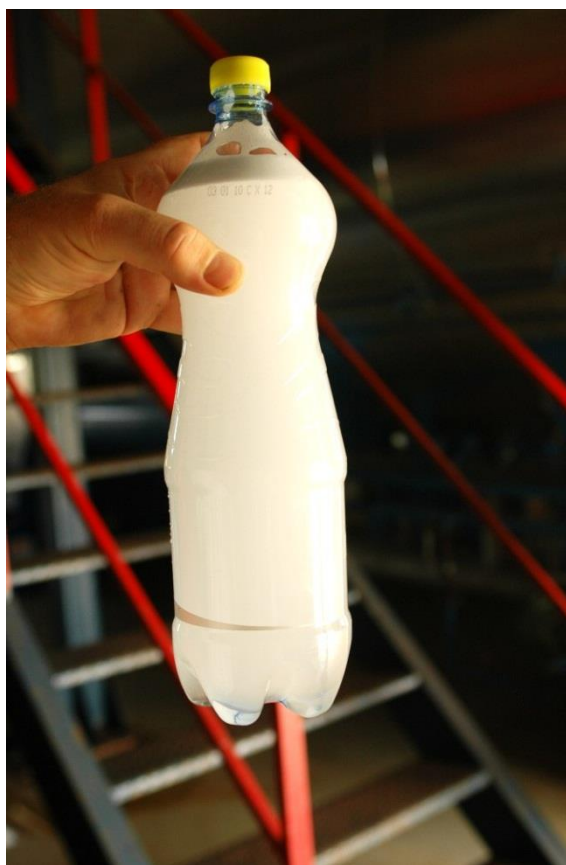
Geoterminio vandens mėginio

analizė 3P gręžinyje

(dujų komponentė)

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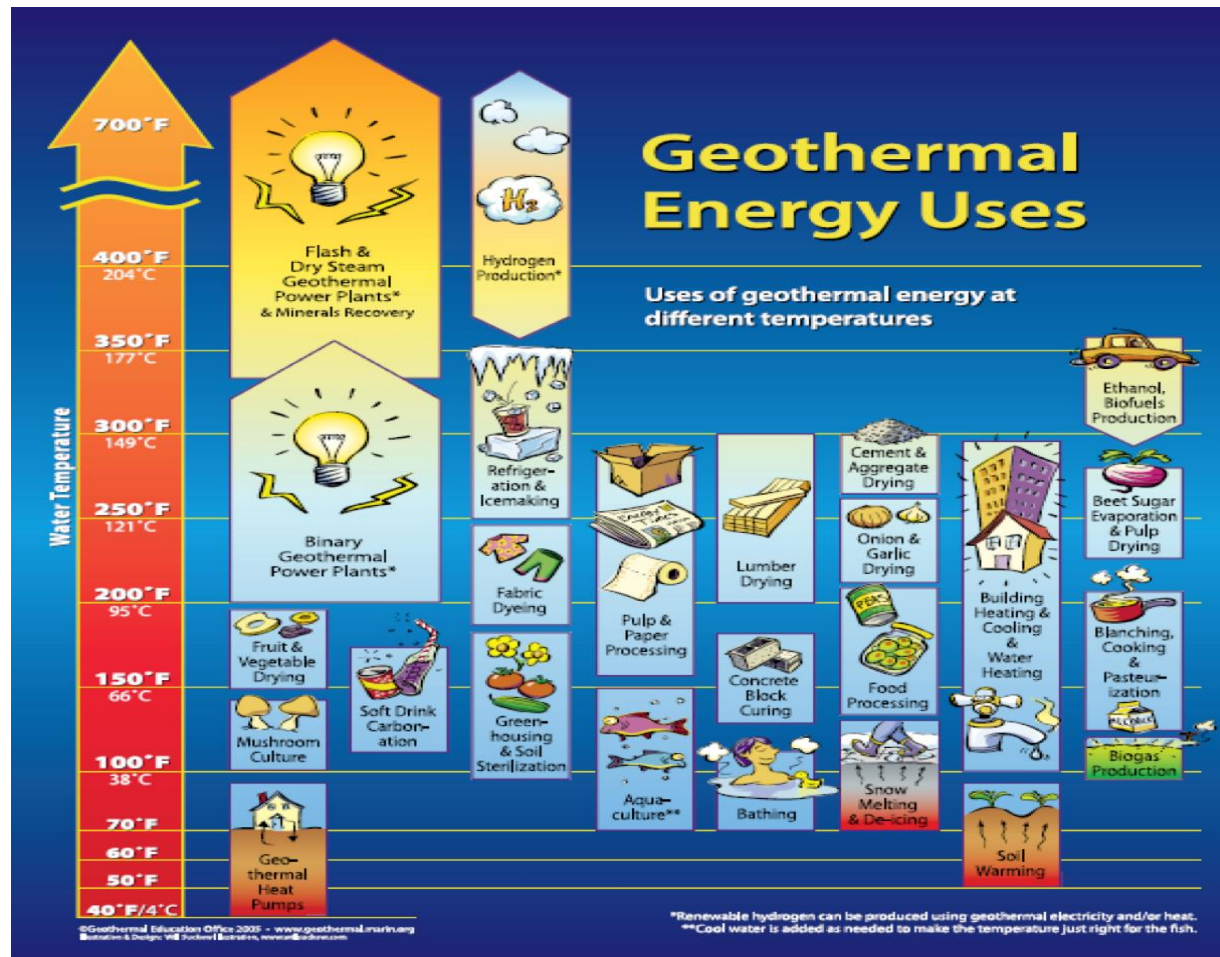
Sudedamoji dalis	% (vol/vol)
H ₂	4,2
N ₂	93,9
Ar	0,26
O ₂	0,60
CO ₂	0,58
CH ₄	0,0062
C ₂ H ₆	0,00014
C ₃ H ₈	0,00006



Application



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- 2011m. We start the research on health applications - 95 g/l



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50 mln. Euro bathing project



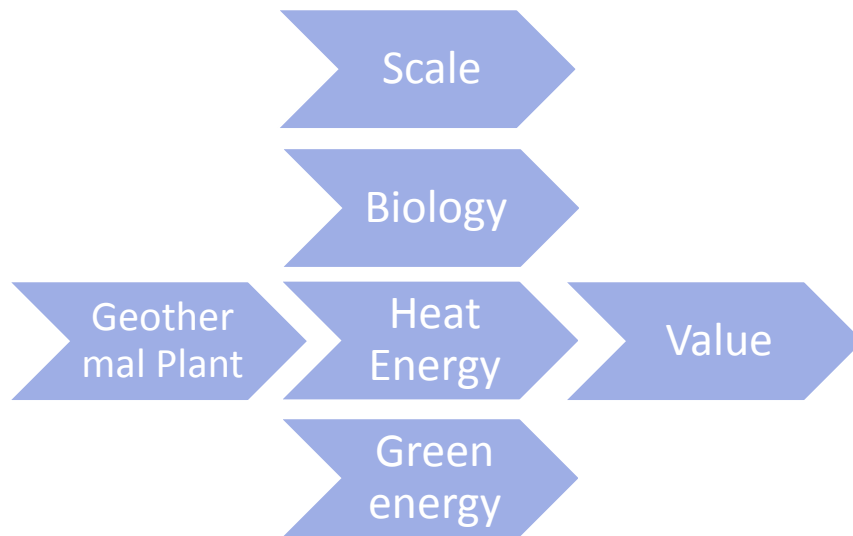
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Aquaculture- Value chain perspective



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Typical geothermal Aquaculture



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- Raising of freshwater or marine organisms in a controlled environment to enhance production rates
- Water quality and disease control are important in fish farming
- Tilapia, salmon and trout are the most common species, also tropical fish, lobsters, shrimp, and prawns
- The water temperature ranges from 13 to 30°C
- The growth rate can be increased by 50 to 100%
- A typical 2 ha facility in the temperature climate zone requires an installed capacity of 14 MWt.
- Leading countries: USA, China, Iceland, Italy, Israel

Polish perspective



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Thank you
Andrius Sutnikas



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