ÍSOR
Sjálfbærni í verki

22-0162

GEOMODEL - CONCLUDING REMARKS FROM ÍSOR SIDE

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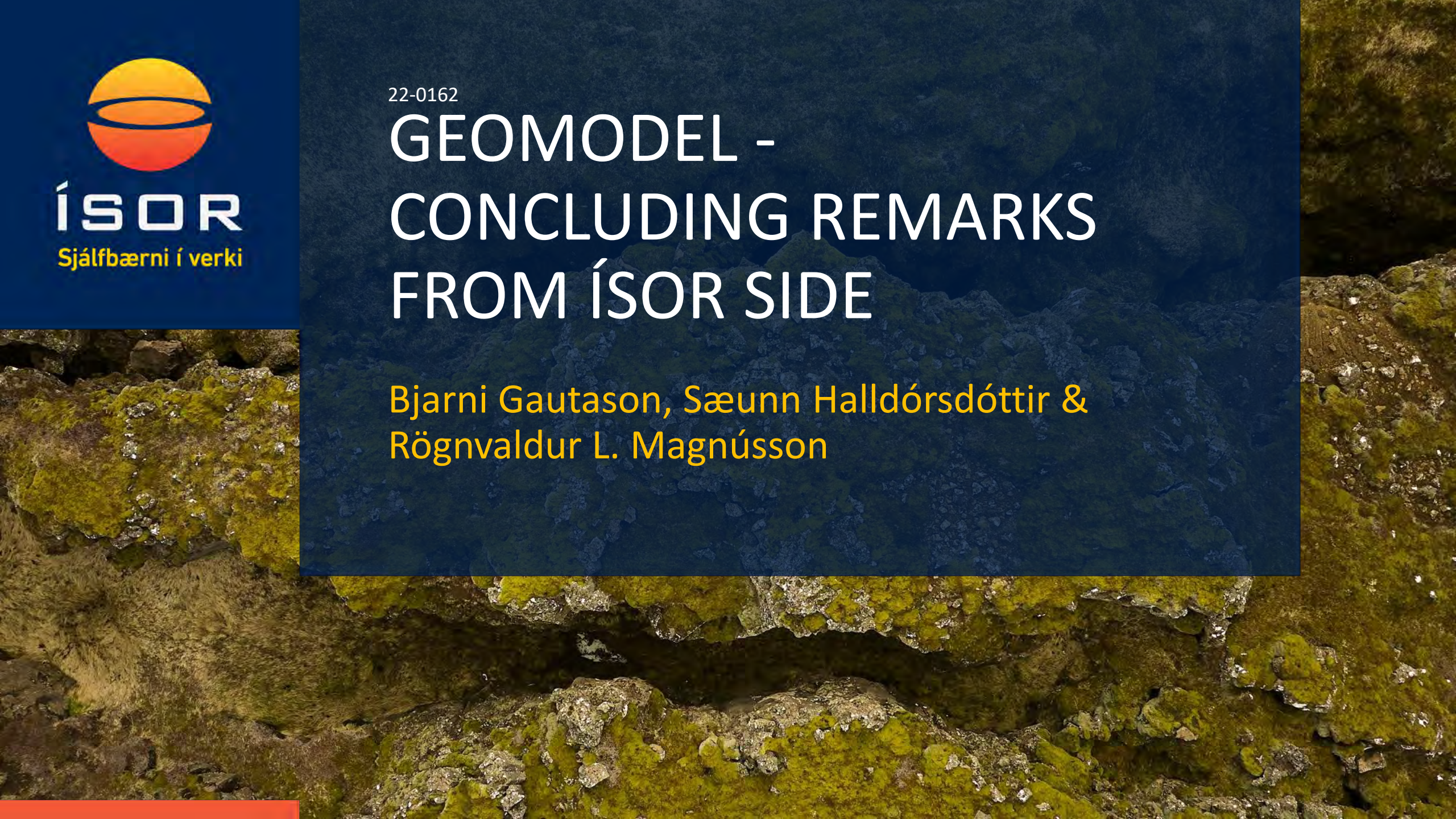


IMPACT

- GeoModel – Important vehicle for developing the Polish-Icelandic relationship and collaboration
- For ÍSOR personnel
  - Opportunity to develop academically
  - Opportunity to build personal friendships and professional relationships with colleagues
  - Get insights into geothermal development in Poland
  - Develop an understanding of the challenges facing the Polish geothermal community

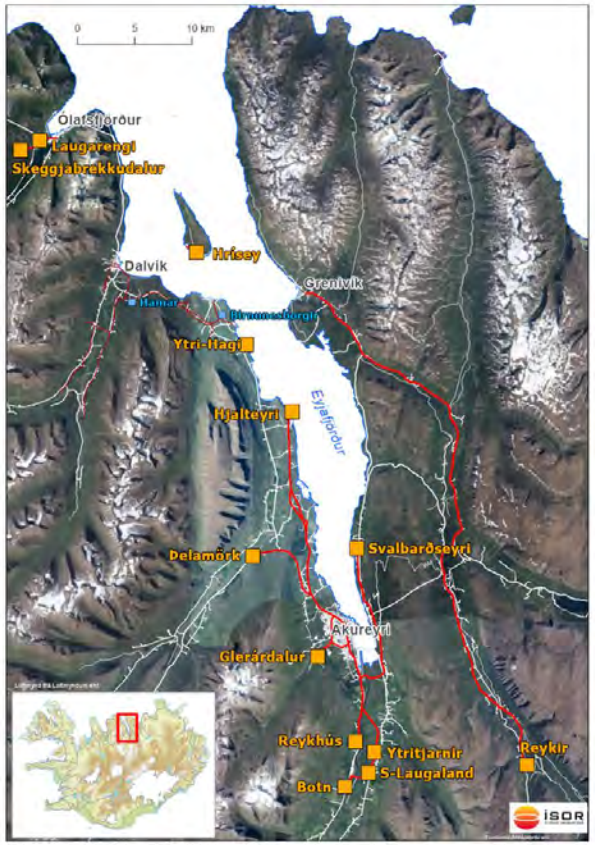
Iceland Liechtenstein Norway grants

Norway grants

NORÐURORKA

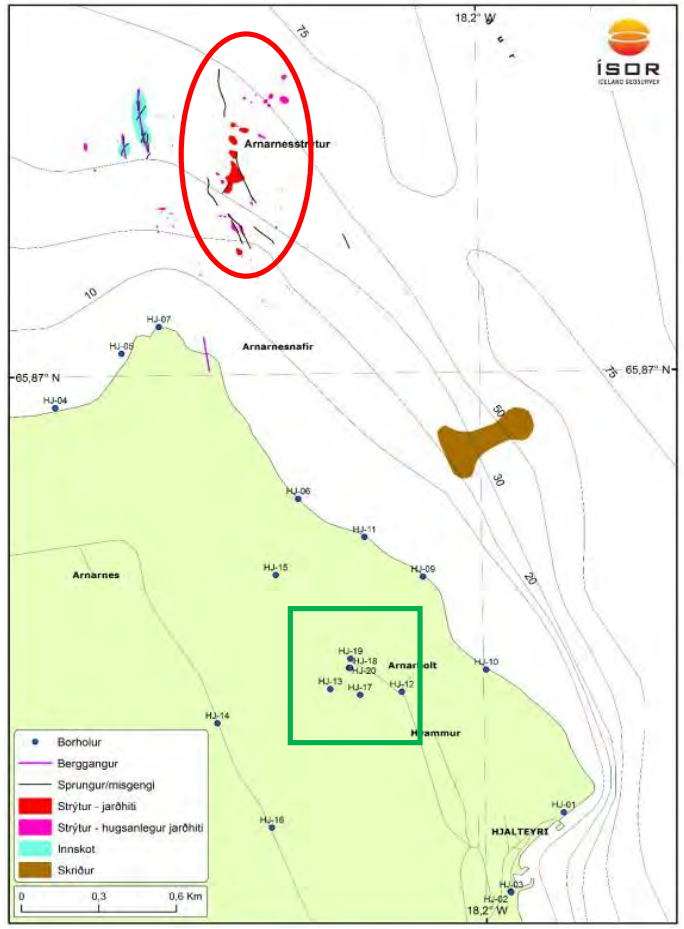
THE WAY FORWARD

- Improve general and specific conceptual models (roots, downflow, residence time of fluid etc. etc.)
- Interference between closely spaced systems a concern
- Utilize tracers in contrasting geological environments (stability of tracers, interaction with matrix, longevity etc. etc.)
- Develop and test new tracers
- Combined TEM and MT resistivity surveys have provided interesting observations in low-T systems (3D interpretation still challenging)



THE WAY FORWARD - SPECIFIC MODELS

- Submerged artesian aquifer Arnarnesstrýtur is shown
- Production capacity estimated with both Lumpfit and Lumpfit++
- Leapfrog Energy model exists
- Simple 1D TOUGH2 model to test pressure boundary cond.
- Waiwera model under construction



Thank You!