



BASELOAD GROUP

Unlocking Japan's Geothermal Potential:
Key opportunities and challenges for the geothermal industry



INTRODUCTION

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Job career: Long termed experiences in energy sector,
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**WE DREAM OF A PLANET IN BALANCE
WITH RESILIENT SOCIETIES
THAT RUN ON RENEWABLE ENERGY**

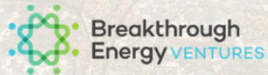
BASELOAD GROUP

Established Jan 2018

Global HQ in Stockholm, Sweden

4 global subsidiaries

Global investors



GULLSPÅNG



LMK Forward

USA



Iceland



Taiwan



Japan



BASELOAD POWER JAPAN

Established Oct 2018

Japan HQ in Shinbashi, Tokyo

100% subsidiary of Baseload
Capital Sweden

3 small scale binary pilot
plants in the Japan



What is geothermal energy?

Geothermal energy is the heat naturally generated and stored in the Earth's crust.

How can we use it?

Geothermal energy can be harnessed for electricity production, direct heating, and industrial processes.

Why does it matter?

Geothermal energy is reliable and low in emissions, making it a clean, sustainable alternative to fossil fuels.





Geothermal energy has many benefits compared to other renewables



Compact design

A geothermal plant uses 88% less space than a solar farm to produce 1 GWh of electricity



Always available

Unlike solar and wind, geothermal is not impacted by day-night-cycles, weather conditions, or seasons



Stabilizes grid

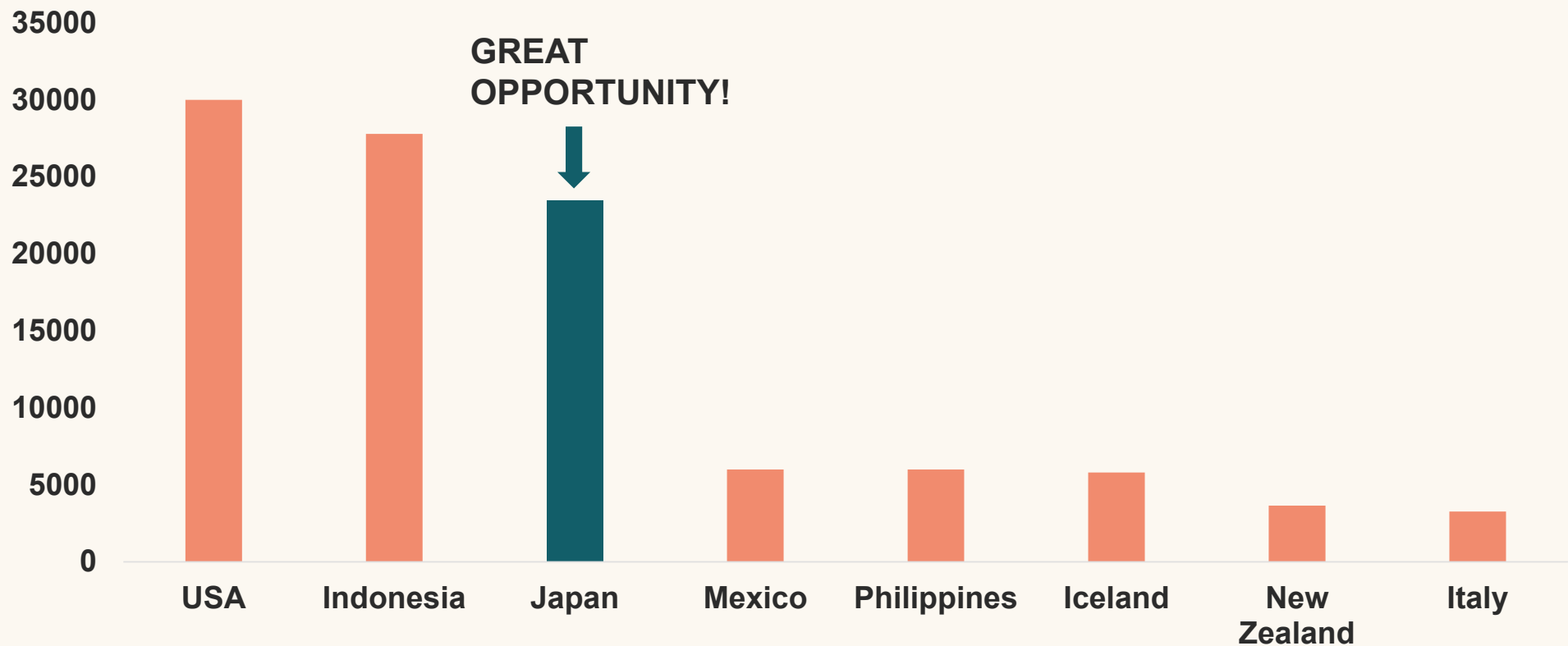
As geothermal energy is a baseload source of power, it helps stabilize the grid



Low carbon footprint

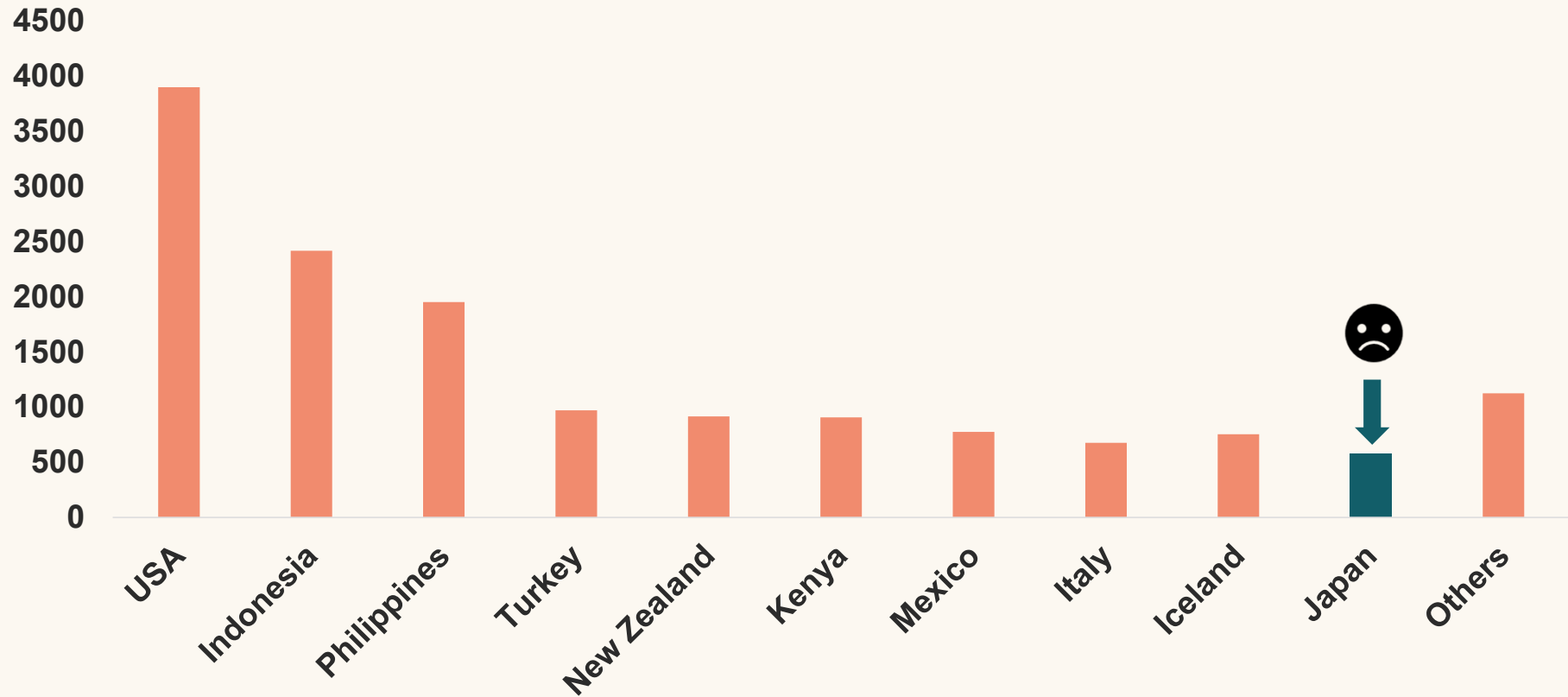
Even compared to other renewables, geothermal energy has a very small carbon footprint

Japan has the world's third largest geothermal potential at 23.5 GW





But so far only 0.3% has been tapped



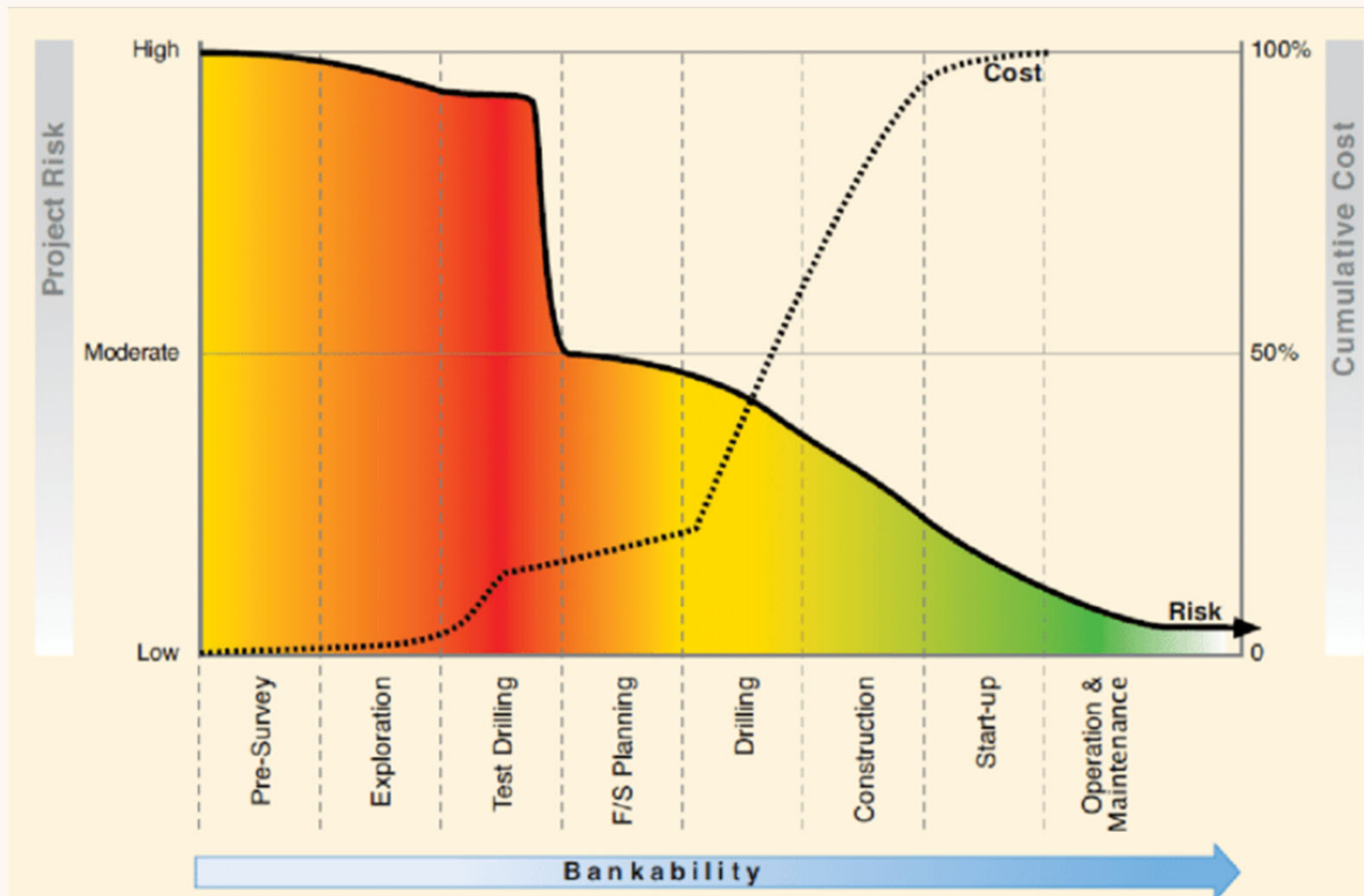


**Japan is looking to more than double
its installed capacity by 2030**





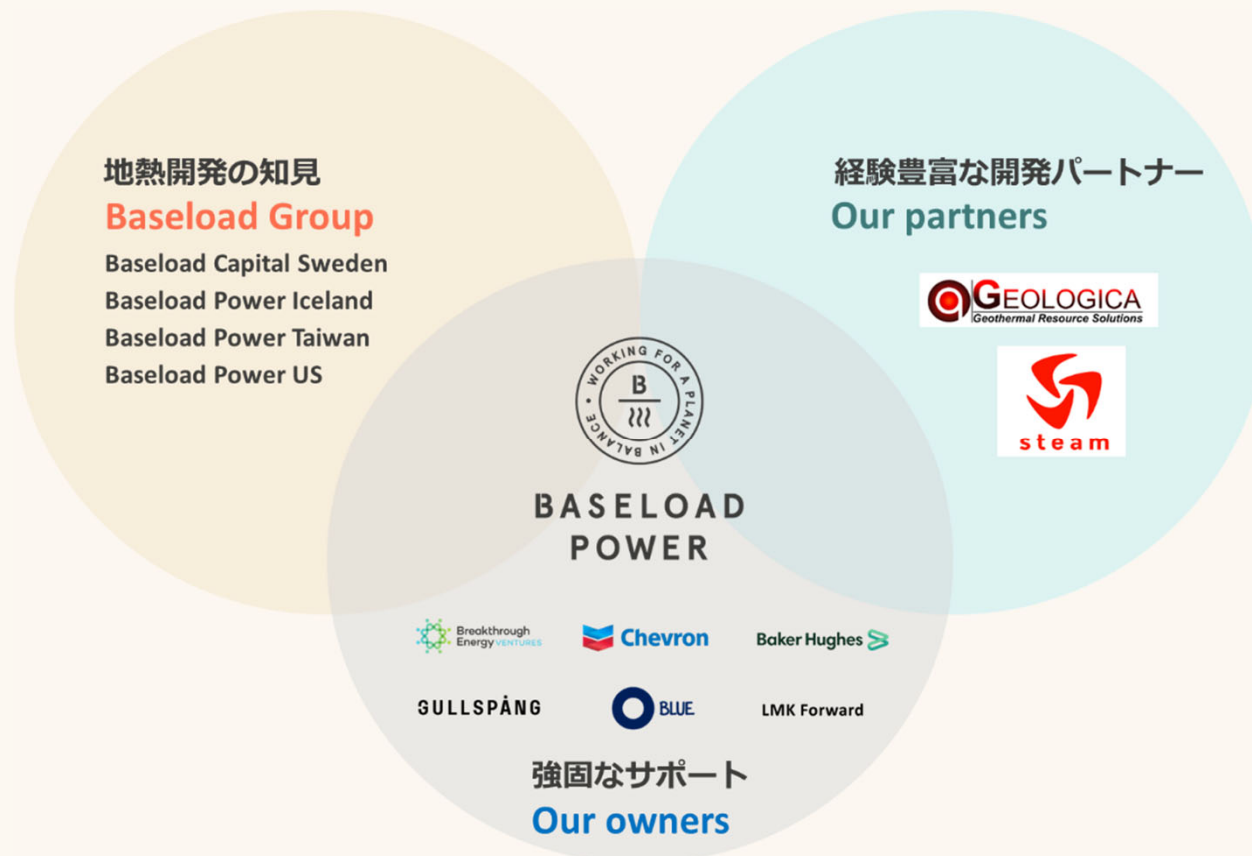
Geothermal projects can be derisked by leaning on global best practices



There are many challenges to overcome to realize the potential in Japan



Our Global Platform is a key enabler to roll out best practices globally



We believe local communities are the true enablers for geothermal energy



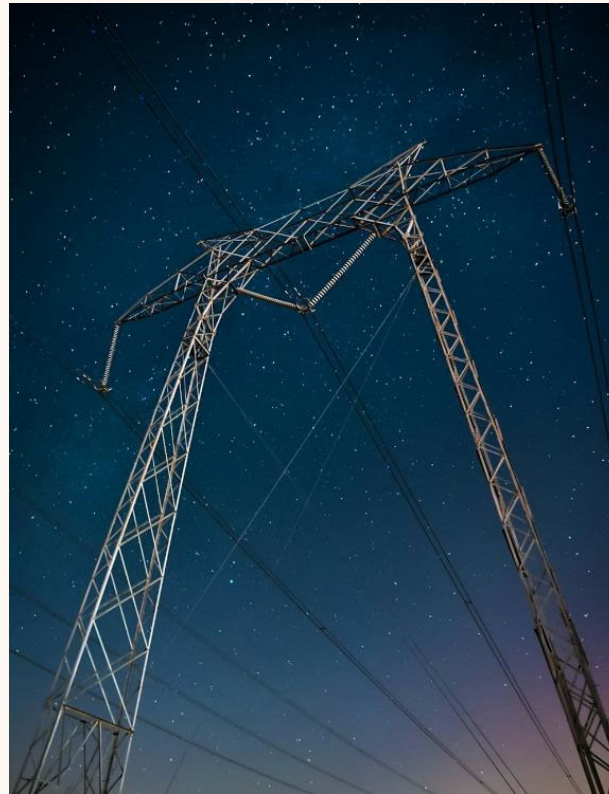
Baseload Group contributes to three key parts of Japanese society



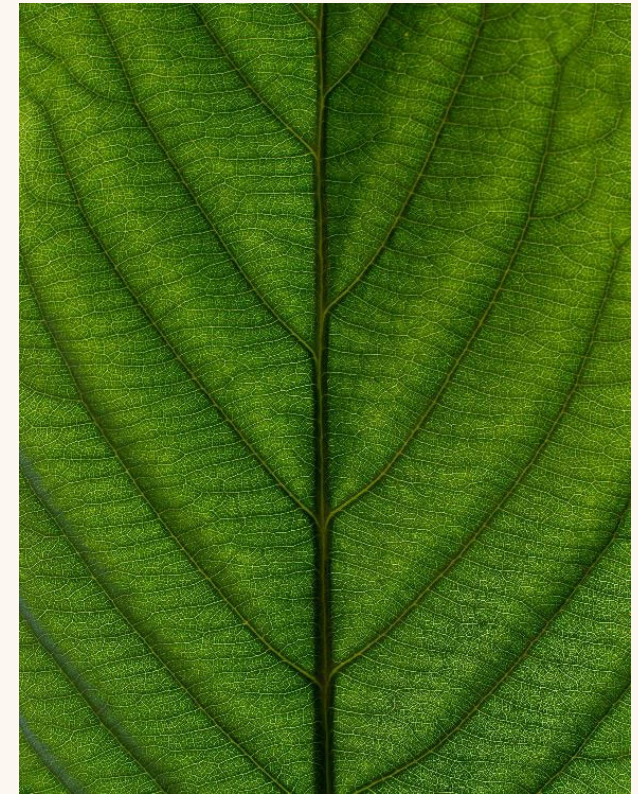
Rural revitalization



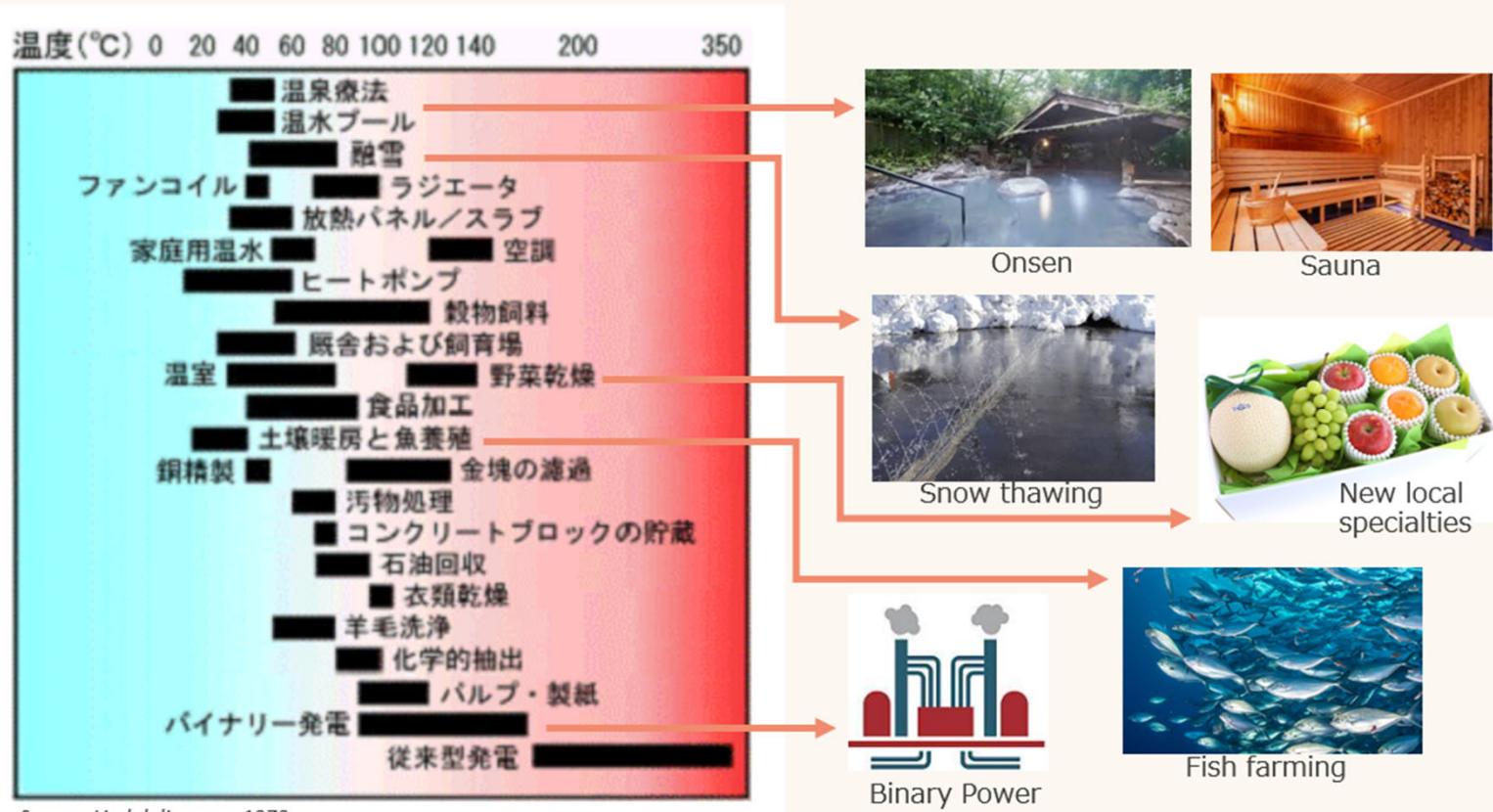
Local resilience



Green Transition



These use cases can act as further inspiration for the future generations



Source: Lindal diagram, 1973

GX & local economy vitalization

There is tremendous potential in the low/medium temperature segment

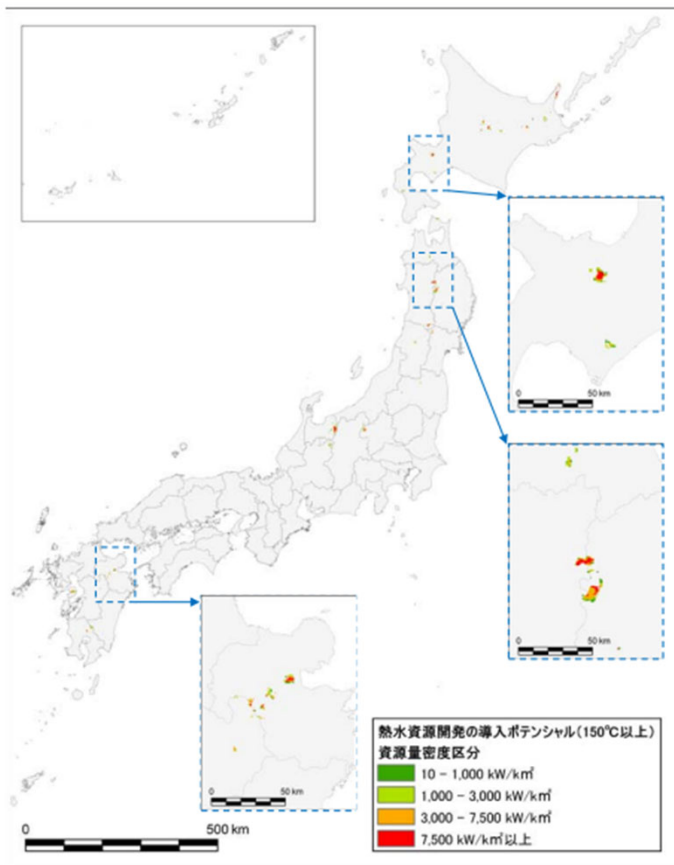


図 6-10 熱水資源開発の導入ポテンシャル分布図 (150°C以上)

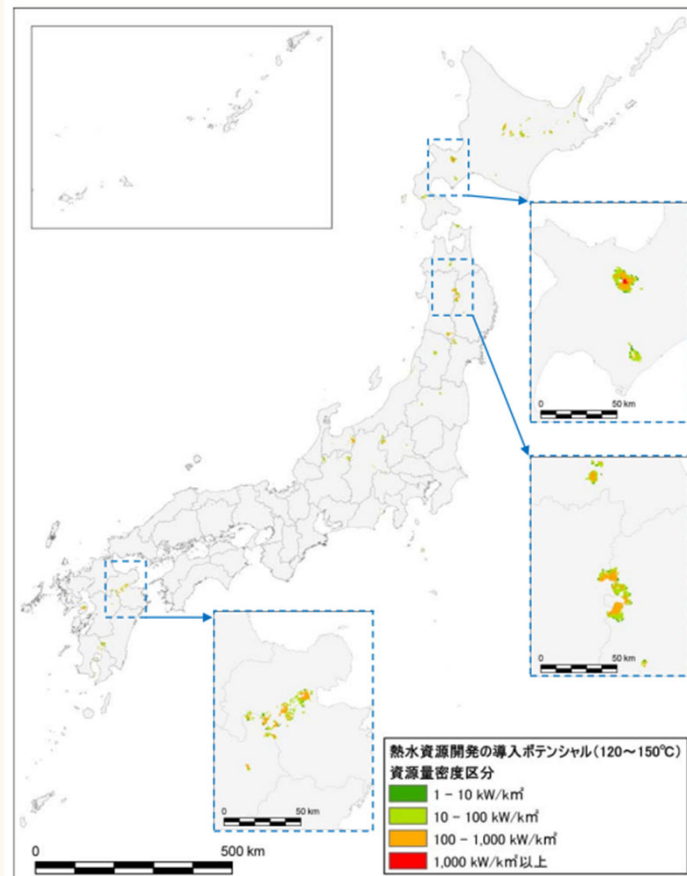


図 6-11 熱水資源開発の導入ポテンシャル分布図 (120~150°C)

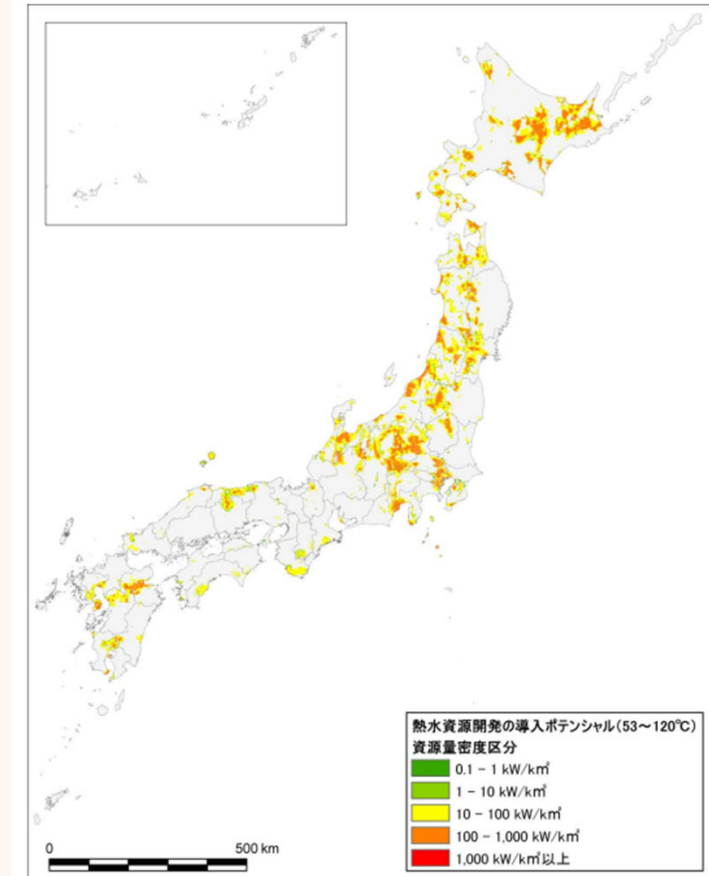


図 6-12 熱水資源開発の導入ポテンシャルの分布図 (53~120°C)

We also work closely with NGOs and academia to inspire the next generation





Call for book ambassador for Japanese version

未来のために、今できることを

ベースロードグループは、再生可能エネルギーの認知向上と教育活動を通じて、持続可能な未来を目指しています。2023年にスウェーデンで出版された児童書「Our Hidden Powers」は、再エネ（地熱、太陽光、風力など）の力を子どもたちに伝える物語です。現在、日本語版の出版に向けて支援者を募っています。この絵本を通じて、未来を担う子どもたちに力を与える活動にご協力ください。



目標金額:180万円

日本語版出版にご協力いただける出版社を募集中です。また、アンバサダー活動にもご参加いただける方を歓迎します。



**BASELOAD
POWER**
ベースロードパワージャパン



THE EARTH HAS POWER

A person's hands are shown holding a glowing Earth. The Earth is illuminated from the side, showing the Americas with city lights glowing. The background is dark, making the Earth stand out.

**LET'S
SWITCH IT ON**





THANK YOU

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