

# NZTE Update Japan

The 3<sup>rd</sup> wave continues

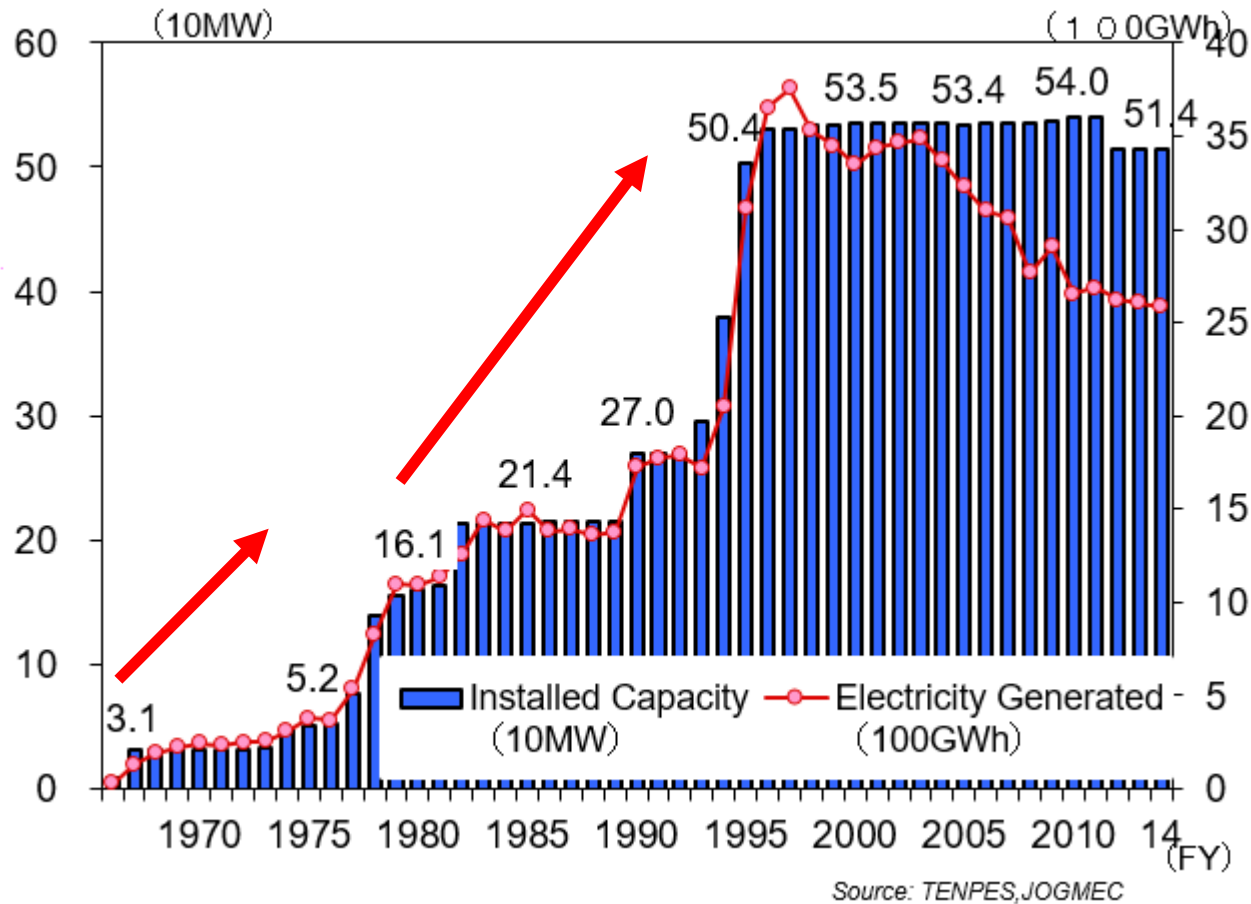
**Yoshifumi  
Imamura  
NZTE Tokyo**



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# The 3<sup>rd</sup> Wave continues...



# The 3<sup>rd</sup> wave in Japan

>50 projects are on-going

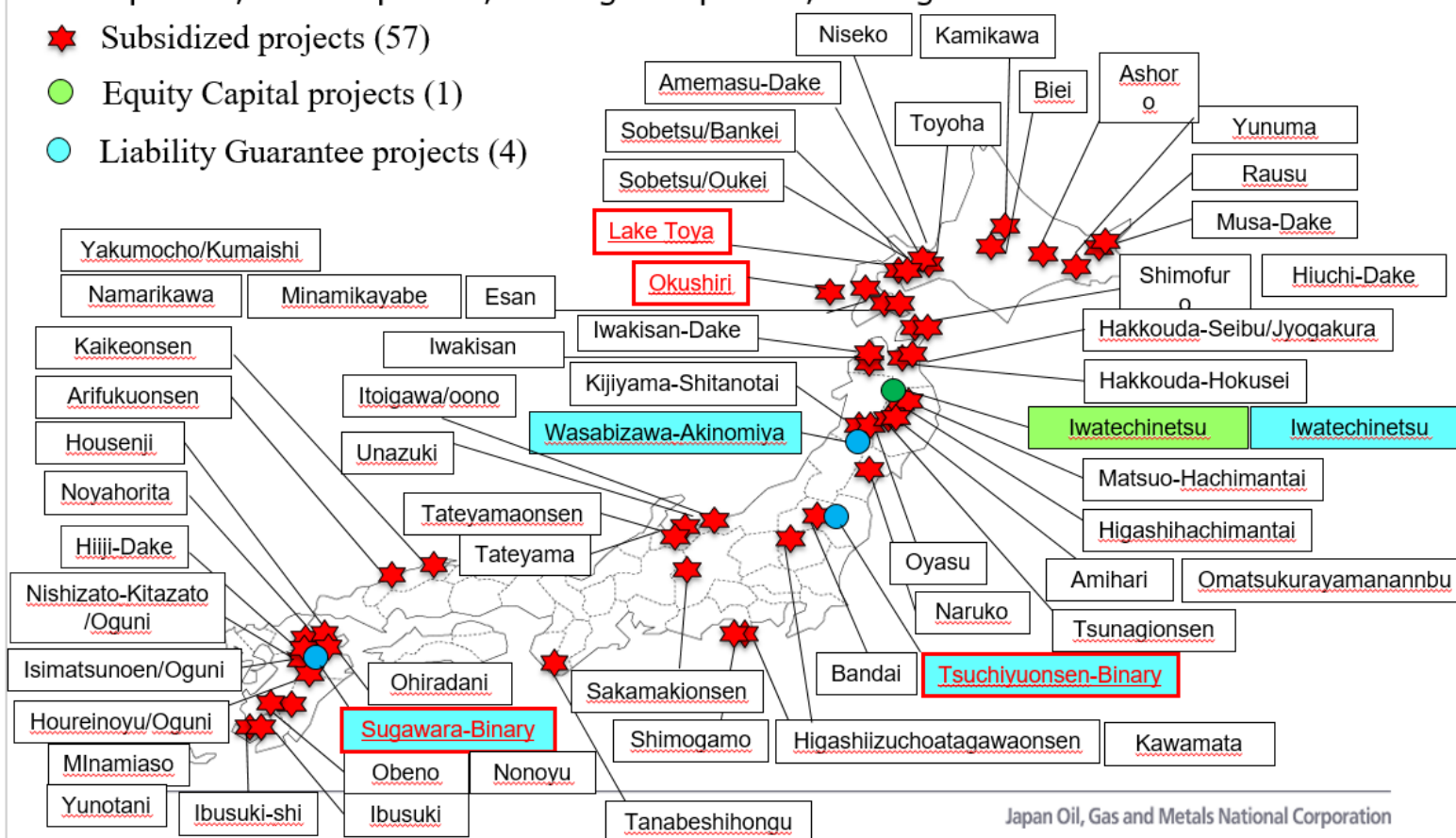
### Adopted Projects from FY2012 to FY2016



8

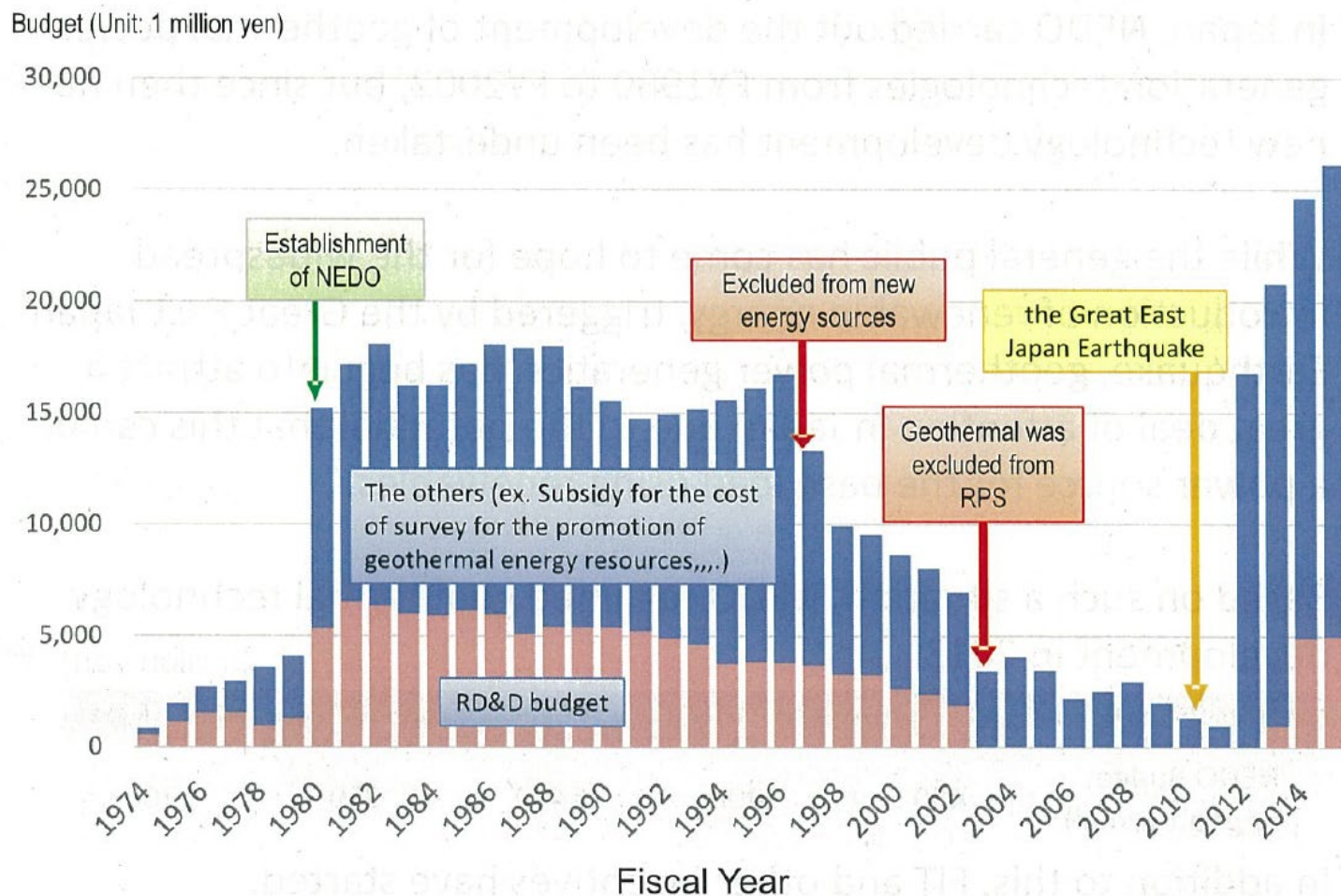
Currently, more than 50 exploration projects are on the road by electric companies, oil companies, mining companies, local government and other entities.

- ★ Subsidized projects (57)
- Equity Capital projects (1)
- Liability Guarantee projects (4)



# Japanese government budget for Geothermal Industries

JPY 25 Billion (NZ\$ 350 Million) has been spent to boost geothermal industries in fiscal year 2016.



# FIT: Feed In Tariff

Japanese government sees geothermal as a baseload resource.

- Wholesales price:
  - JPY 26 (NZ\$ 0.34) for  $\geq 15\text{MW}$
  - JPY 40 (NZ\$ 0.52) for  $< 15$
- Guaranteed for 15 years
- FIT can be applied for replace/refurbishments of existing plants



地熱

	15,000kW 以上	リブレース	
		15,000kW以上全設備更 新型	15,000kW以上地下設備 流用型
平成29年度	26円+税	20円+税	12円+税
平成30年度			
平成31年度			
調達期間	15年間		

	15,000kW 未満	リブレース	
		15,000kW未満全設備更 新型	15,000kW未満地下設備 流用型
平成29年度	40円+税	30円+税	19円+税
平成30年度			
平成31年度			
調達期間	15年間		

Agency for Natural Resource & Energy, The Ministry of Economy Trade & Industry (Japan) 2017

[http://www.enecho.meti.go.jp/category/saving\\_and\\_new/saiene/kaitori/fit\\_kakaku.html](http://www.enecho.meti.go.jp/category/saving_and_new/saiene/kaitori/fit_kakaku.html)

# Agenda

Update on the Geothermal Energy Situation in Japan

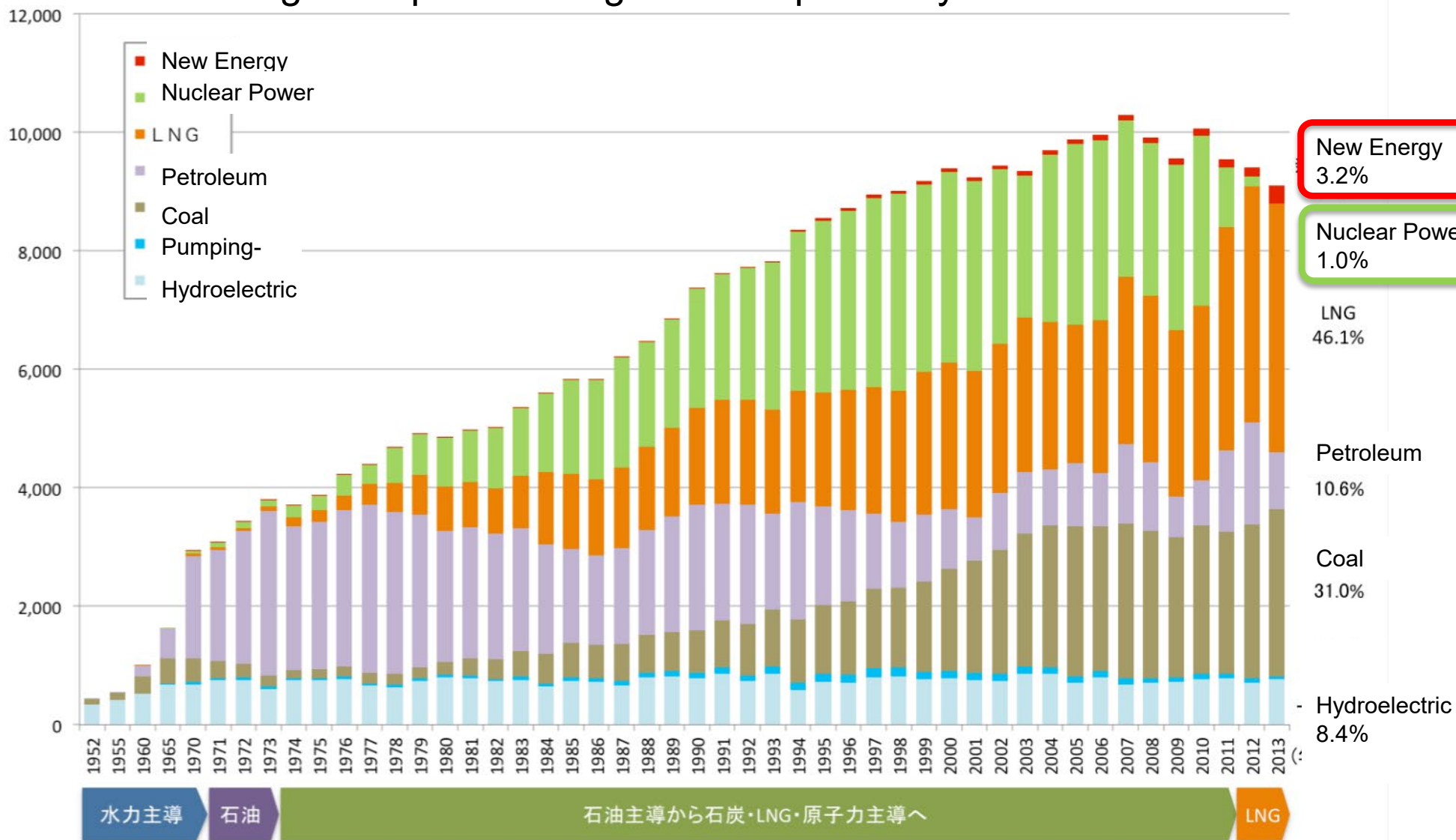
Strategic Directions for Geothermal

Investment Landscape – Opportunities and Challenges

NZTE – led Geothermal activities

# Japan Energy Mix

(億kWh) Percentage composition of generated power by electric sources

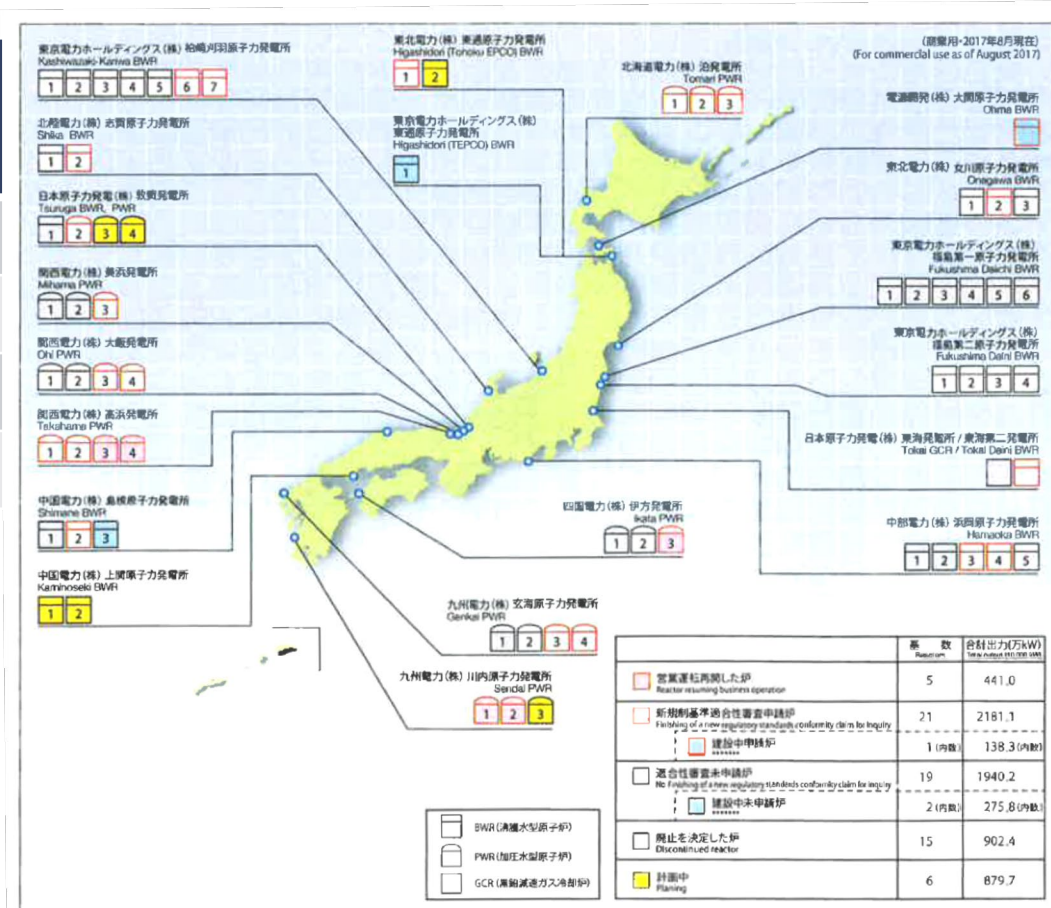




# Nuclear Power Plants in Japan

Resumed 5 as of today.

Status	# of Reactors
Resumed	5
Conformity Claiming	40
Discontinued	15
Planning	6

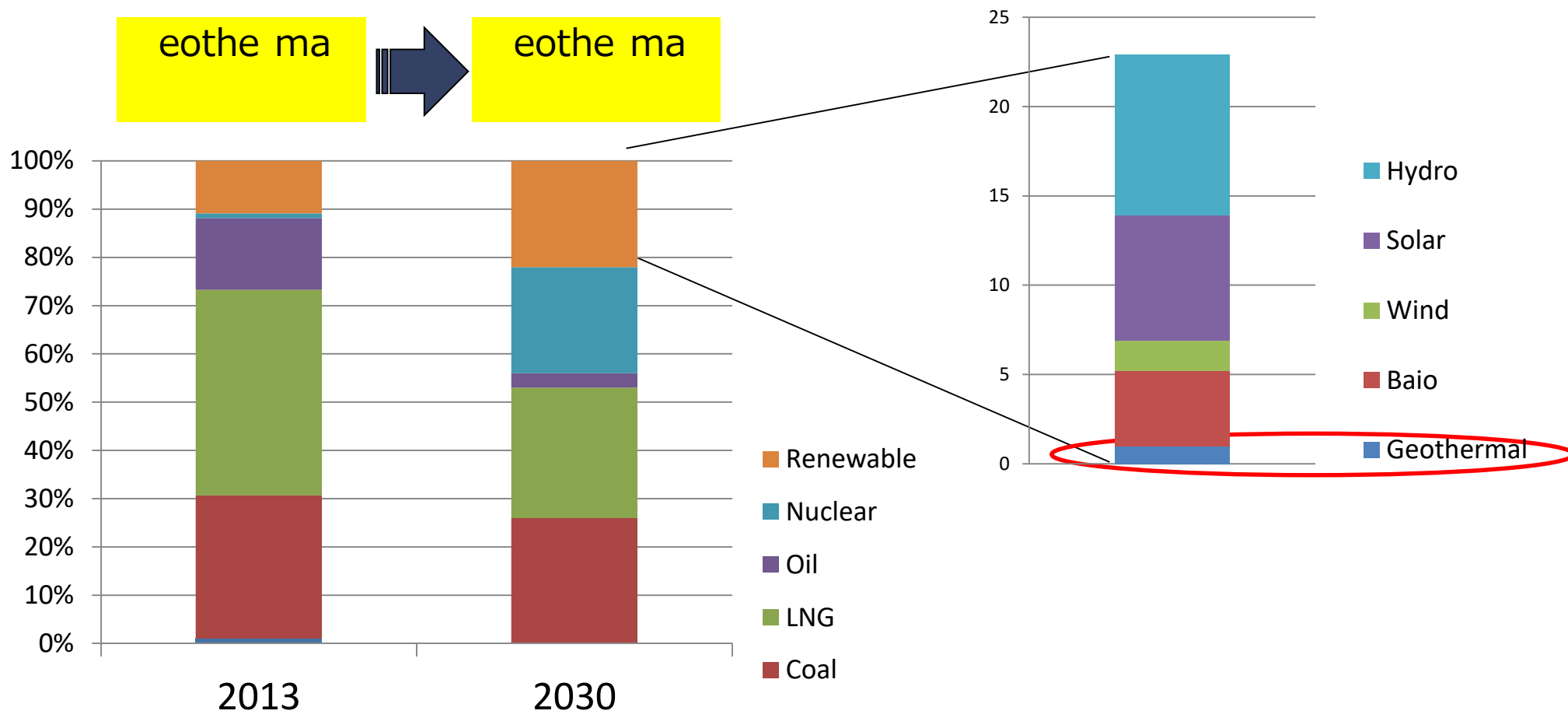


出典：一般財団法人 日本原子力文化財団「原子力・エネルギー」図面集」を一部加工  
Source: Japan Atomic Energy Relations Organization. Data partially processed.



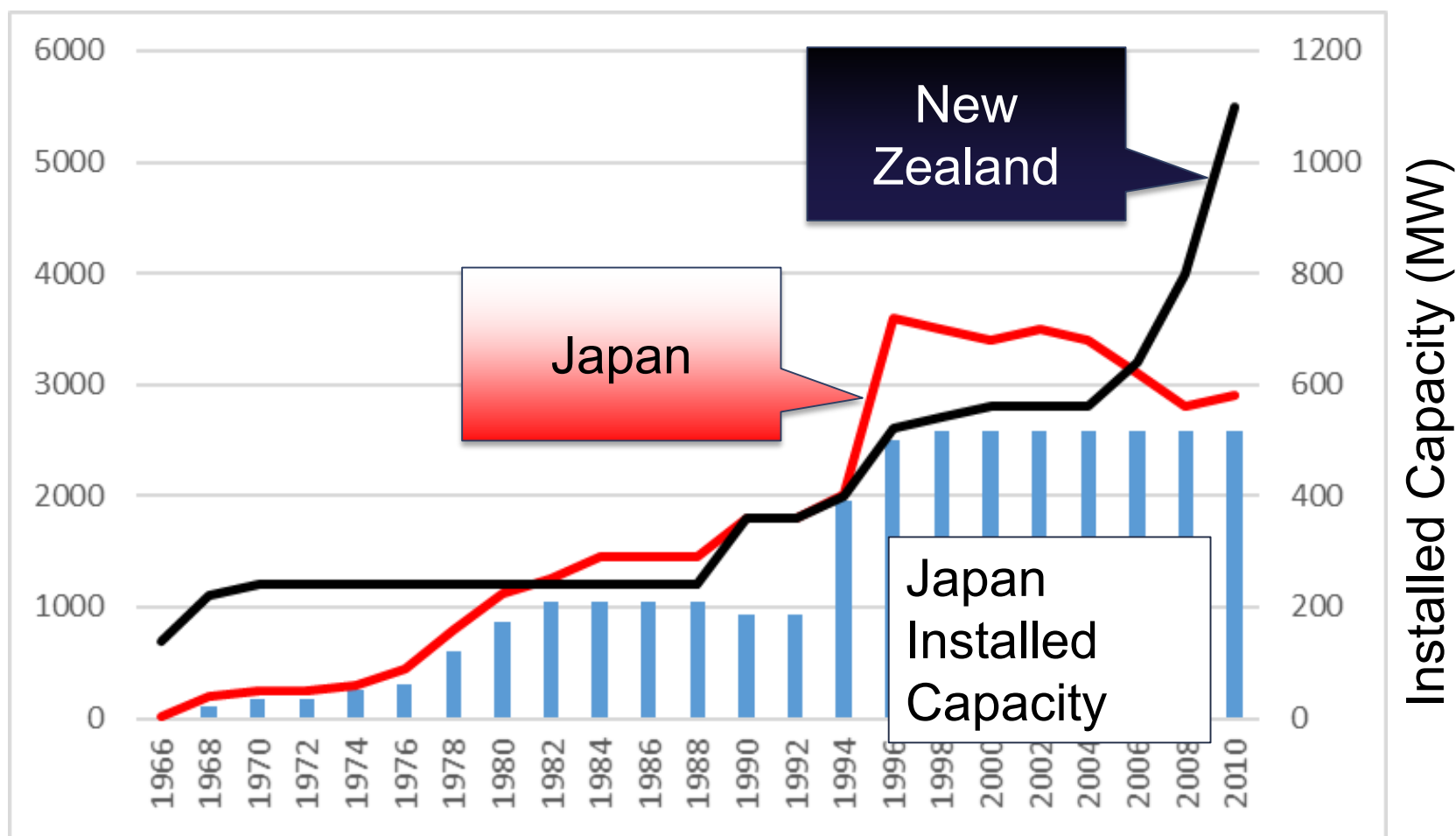
# Japan “Tripling” Geothermal Capacity

Geothermal share of the electricity



# What NZ can do for Japan?

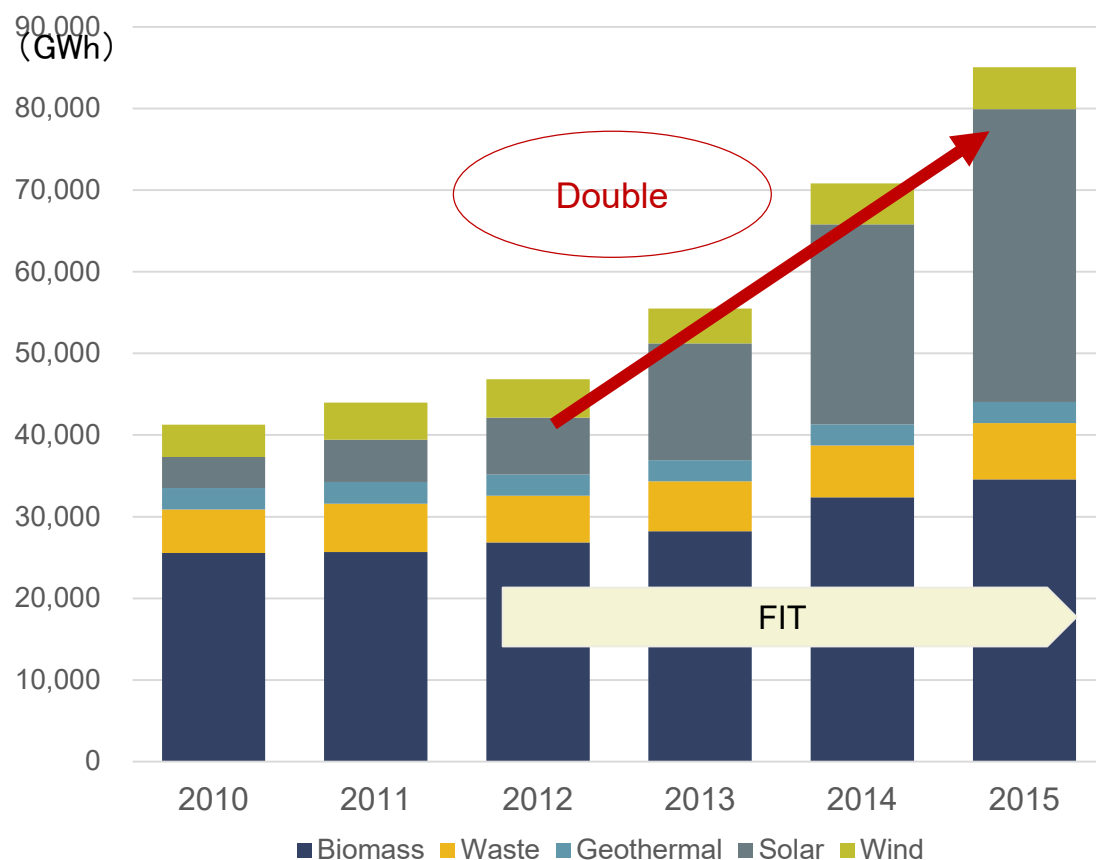
an NZ share the experience of its



# Massive introduction of renewable energy

The amount of RE generation has doubled due to the introduction of the Feed-In Tariff in 2012. The Japanese government set the proportion of renewable energy at 22-24% in the energy mix of 2030.

Renewable Energy Power Generation (2010–2015)



(Source) International Energy Agency

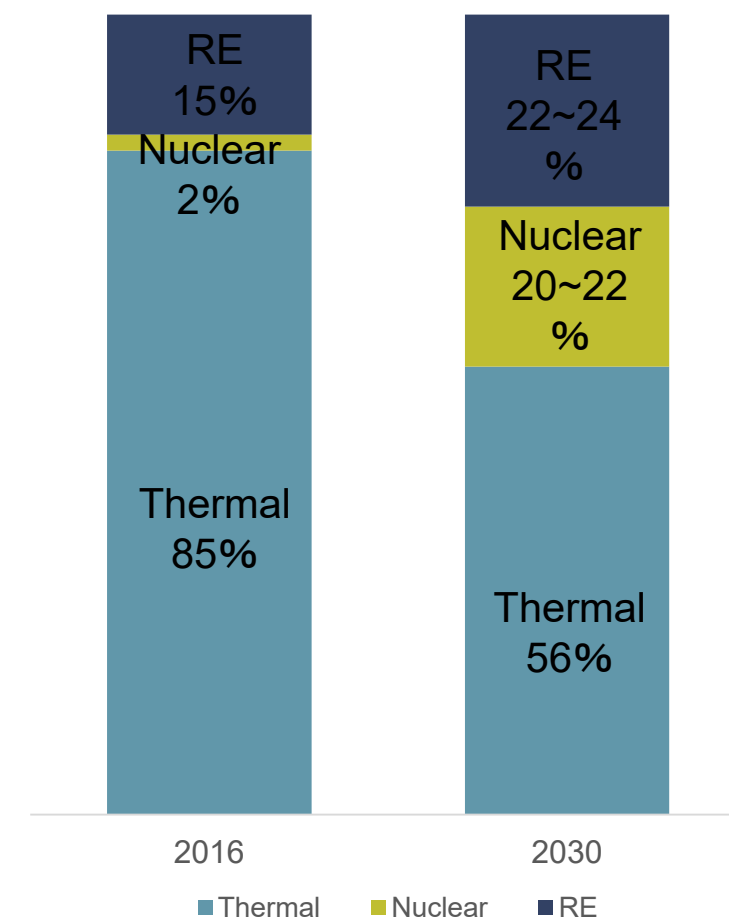
(<http://www.iea.org/statistics/statisticssearch/report/?country=JAPAN=&product=electricityandhea>)

f)

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Energy Mix (2016 and 2030)



(Source) Agency for Natural Resource and Energy (March 26, 2018) "Action Toward Energy Mix in 2030"

([http://www.enecho.meti.go.jp/committee/council/basic\\_policy\\_subcommittee/025/pdf/025\\_008.pdf](http://www.enecho.meti.go.jp/committee/council/basic_policy_subcommittee/025/pdf/025_008.pdf)) (JPN Only)



## JETRO's activities and services

**15 yrs.**

History of  
supporting foreign  
companies'  
investment in Japan

**1,700**

Cases of successful  
investment by  
foreign companies  
with our support

**17,000**  
Projects  
supported  
(FY2003-2017)

**200+**

JETRO staff  
members supporting  
your business in  
Japan



**Free temporary office space**  
**Free consultation services**

Invest Japan Business Support Center  
(IBSC)

**IBSC in 6 cities in Japan**



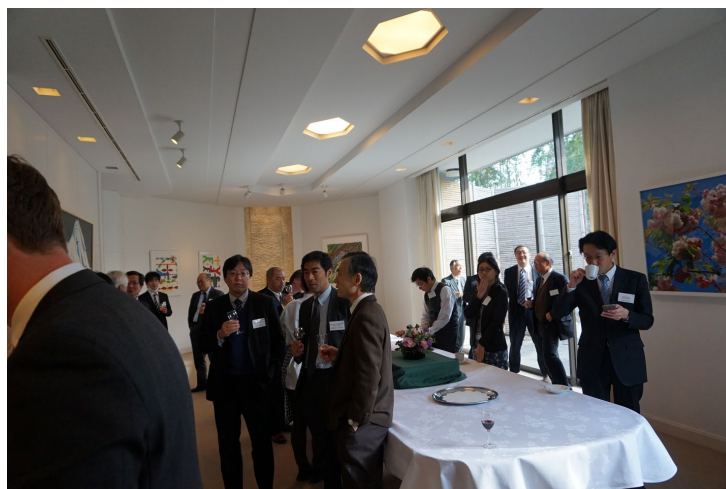
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ZEALAND

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# Japan Geothermal Event – Tokyo 2018

The 3<sup>rd</sup> networking event in February 2018

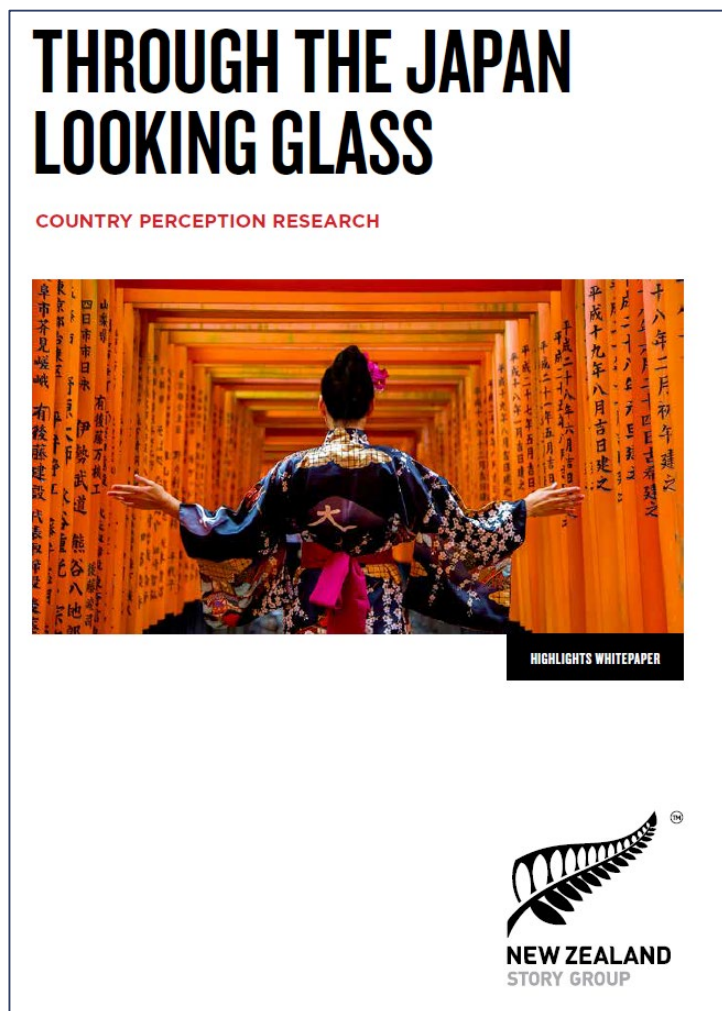
- New Zealand Geothermal Seminar in Tokyo, taking place at the New Zealand Embassy in Tokyo on February 2018.
- This is an opportunity for New Zealand companies to present at an exclusive seminar and engage with local industry representatives.
- There is a required cost contribution of NZ\$1000 per company to support the preparation and running of this seminar.



# Country Perception Research

## Through the Japan Looking Glass – Country Perception Research

- 20 pages of a research booklet available on NZ Story: <https://www.nzstory.govt.nz/>
- Contents:
- WHAT DO WE KNOW ABOUT JAPAN?
  - The research identified a number of distinctive Japanese characteristics which represent key cultural differences that impact business and buying decisions.
  - Exporters and their advisors should remember these aspects of Japan when they work in this market.
- HOW DOES JAPAN PERCEIVE NEW ZEALAND?
- WHAT ARE KEY POINTS TO REMEMBER WHEN DOING BUSINESS IN JAPAN?
- HOW DO WE CREATE PERSUASIVE MESSAGING AND STORIES FOR JAPAN?
- MESSAGING CONCEPTS





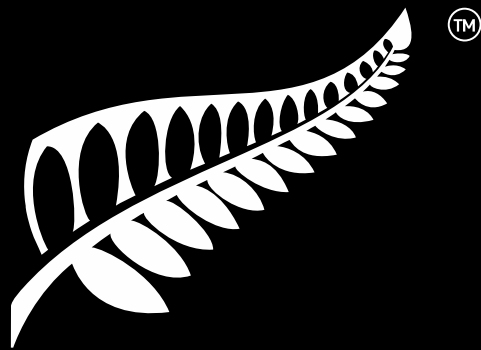
# Summary

The 3<sup>rd</sup> wave is on.

- >50 geothermal projects are on going.
- Japanese government is spending >\$350mn for boosting the wave
- Improving FIT
- “Tripling” Geothermal Capacity

Find right partner(s).

Join Geothermal Seminar in Japan on February 2018.



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