



### The Paris Agreement The future of coal-fired power

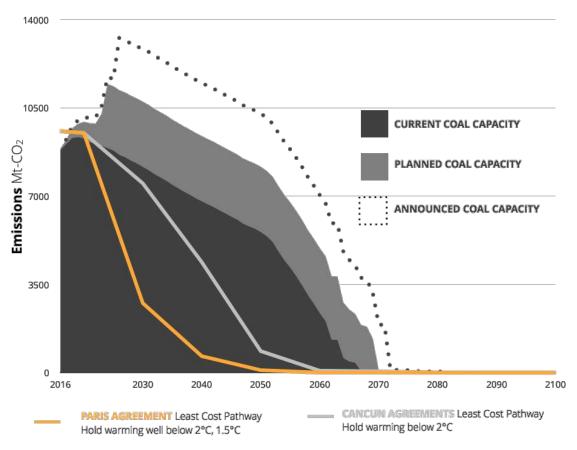


Paris Agreement (Article 2)

hold "the increase in the global average temperature to well below 2°C above pre-industrial levels and pursuing efforts to limit the temperature increase to 1.5°C(..)"

**WORLD** potential CO<sub>2</sub> emissions from existing and planned coal capacity against least-cost pathways.





IPCC 1.5°C SR

COP21 · CMP11

Source: IIASA/Joeri Rogelj, GCPT, own calculations

The share of coal for electricity generation shows a **steep reduction** in all pathways with no or low overshoot to close to **3-11% by 2030** and **0-2% by 2050**.



#### Policy actions to power past coal are on the rise...





2050



2030

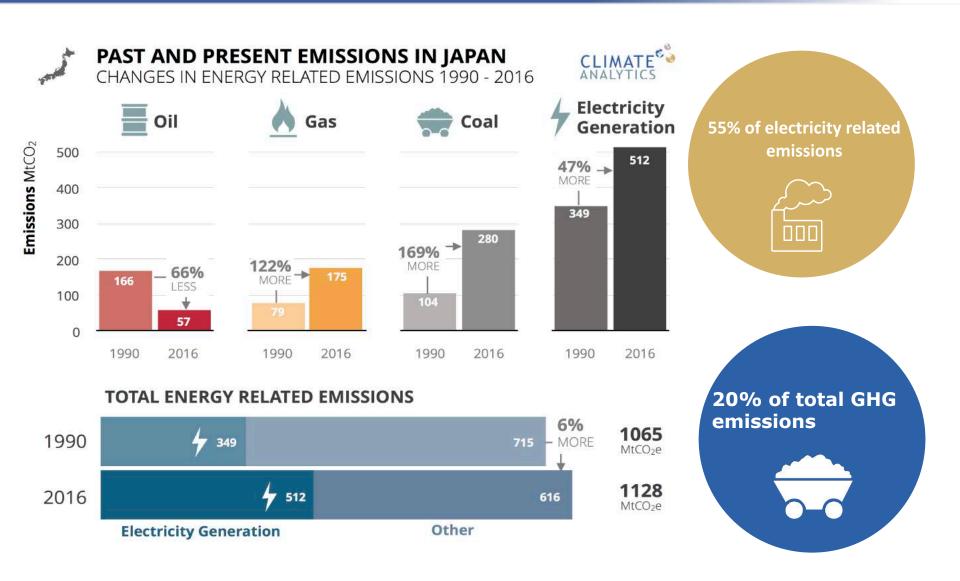
No new capacity can be installed and operated over its full economic lifetime anywhere

- Great risk of stranded assets
- Current plans in many regions not in line with Paris
   Agreement



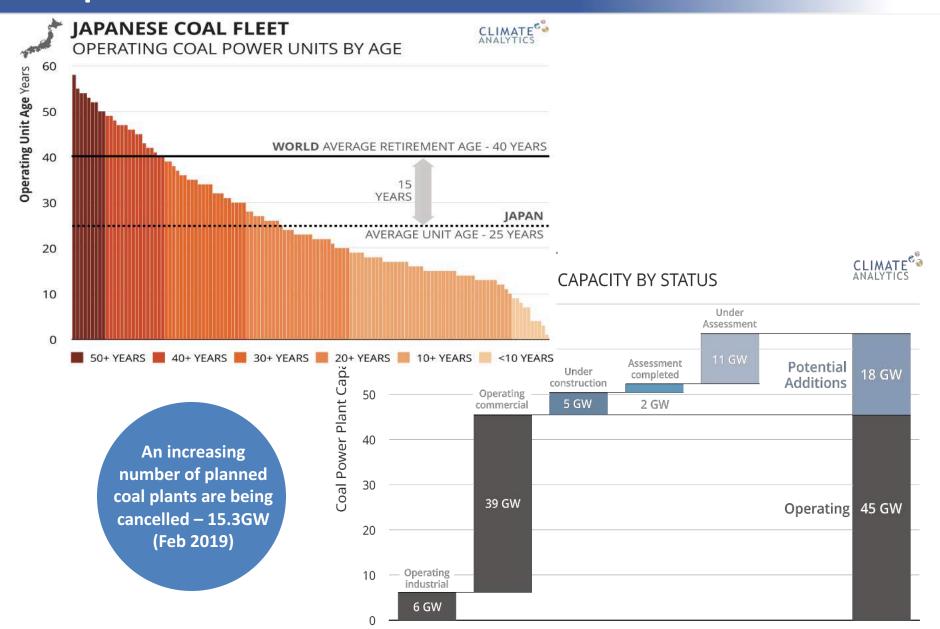
#### Japan's energy and emissions profile





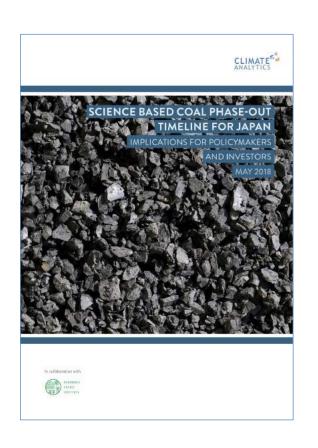
# Age structure of Japan's coal fleet and planned expansion

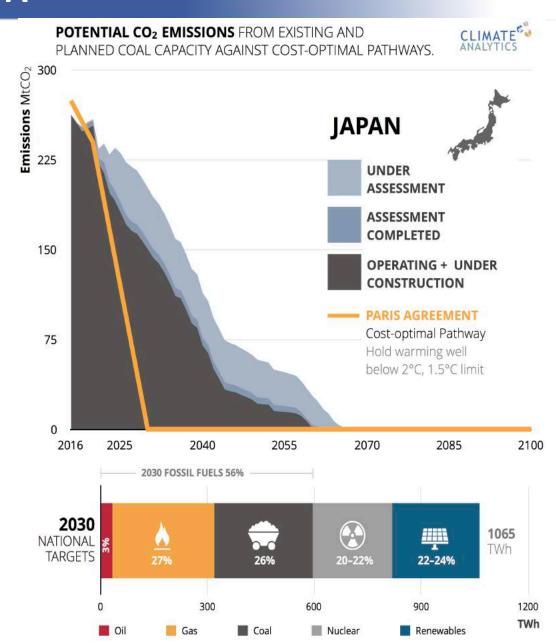




### National targets and fleet expansion are inconsistent with the PA

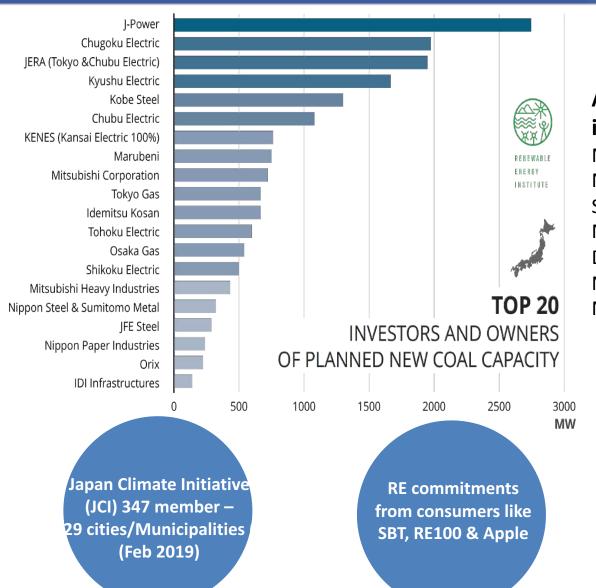






## Japan – Less relevance for Just Transition but huge risks of stranded assets





#### Announcements financial institutions

Marubeni Mitsubishi UFJ Sumitomo Mitsui Banking Corp Mizuho Financial Group Dai-ichi Life Insurance Nippon Life Insurance Meiji Yasuda Life Insurance

Civil Society
has divested
¥568.180.000
in Japan from coal
supporters

#### **Conclusions**



- ✓ The science is clear: achievement of the Paris Agreement implies global coal phase-out by 2050
  - By 2030 OECD
- ✓ No new capacity can be installed and operated over its full economic lifetime anywhere
  - Great risk of stranded assets for coal users and exporters
  - Current plans in many regions, including Japan are not in line with Paris Agreement
- ✓ Different regions will face different challenges to phase-out coal. In Japan the biggest challenge is assets stranding risk
- ✓ Recent developments in Japan and worldwide show that the end of the coal era is approaching. Risk is starting to materialise
- ✓ Timing of phase-out is key for planning the transition out of coal

# Thank you!

For additional information about our work on coal phase-out:

https://climateanalytics.org/briefings/coal-phase-out/

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