

Plenary 1.3

Japan's Historical Transitions

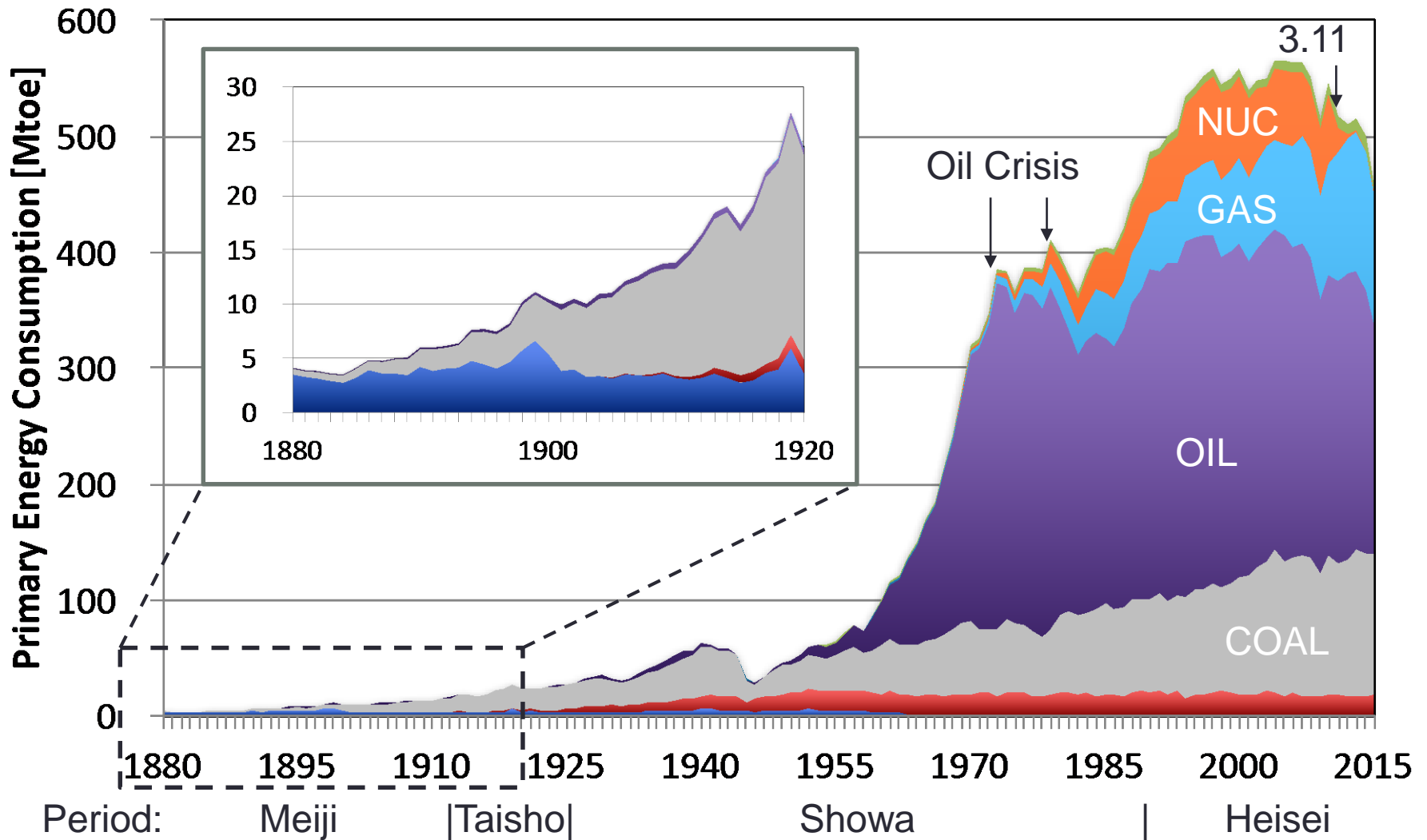
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Long-term Transitions of Energy Sources in Japan



Japan's Experiences on Energy Transition

- *1st Energy Transition: From Oil to Non-Oil*



- The oil crisis triggered promotion of gas, nuclear, and energy saving.
- The transition has not yet completed – still oil has around 45% of Japan's primary energy.

- *2nd Energy Transition: From Nuclear to Fossil Fuel*

- Accidents in Fukushima led to stop nuclear power for thorough safety examination.
- Nuclear is fully substituted by fossil fuel in 2014.
- This is a transitory transition?

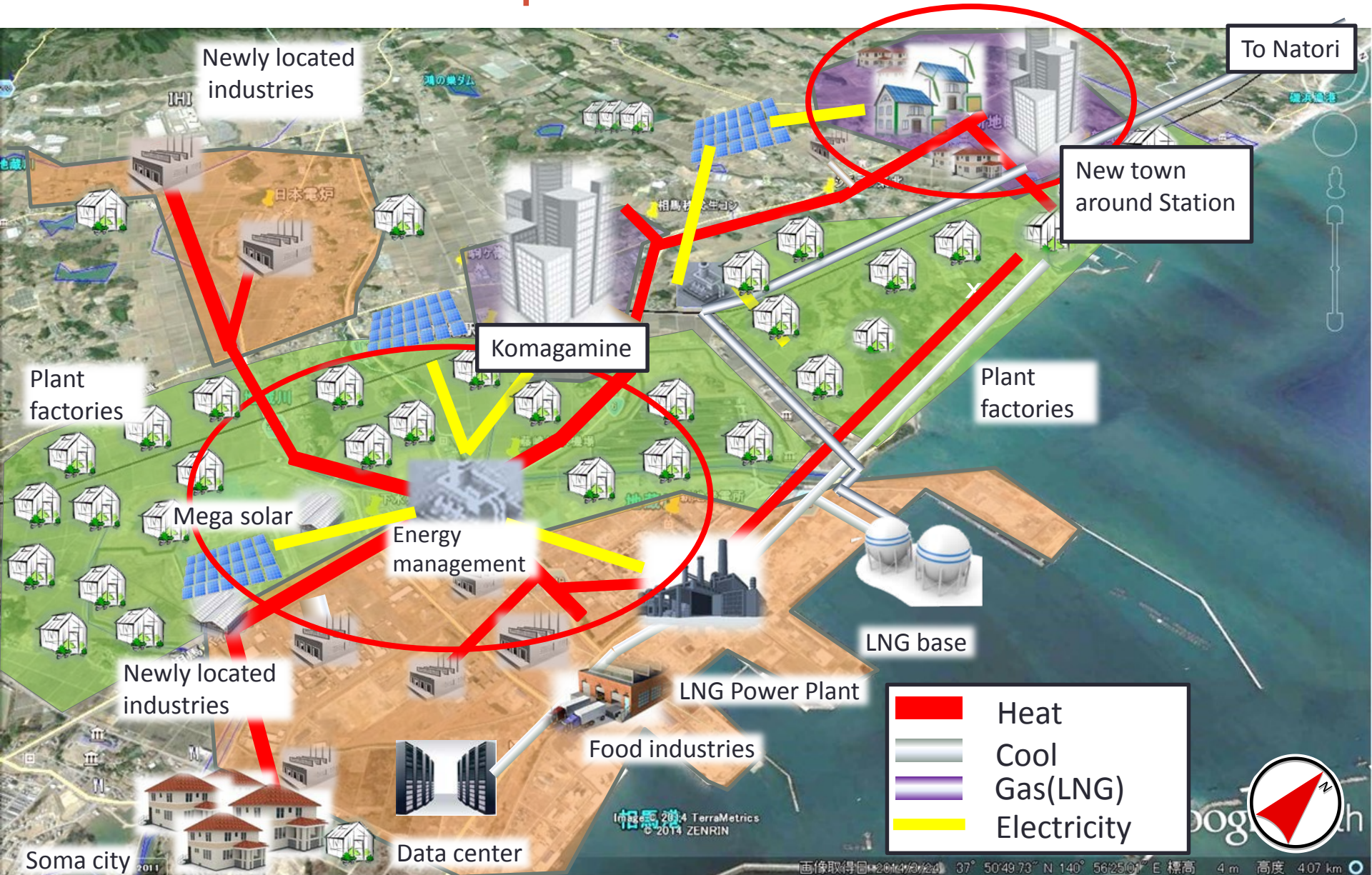


Past Transitions are like 'Whac-A-Mole'

- Two transitions are **symptomatic treatment** for faced energy crisis.
- Real transition needs to change in whole system of our society.
- However, in many cases, **national solutions are solutions for somebody that one is not.**
- Some **cities in Japan** starts new challenges for realizing energy transition.



Innovative Development Plan for Shinchi Town



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