

13th Norway Team

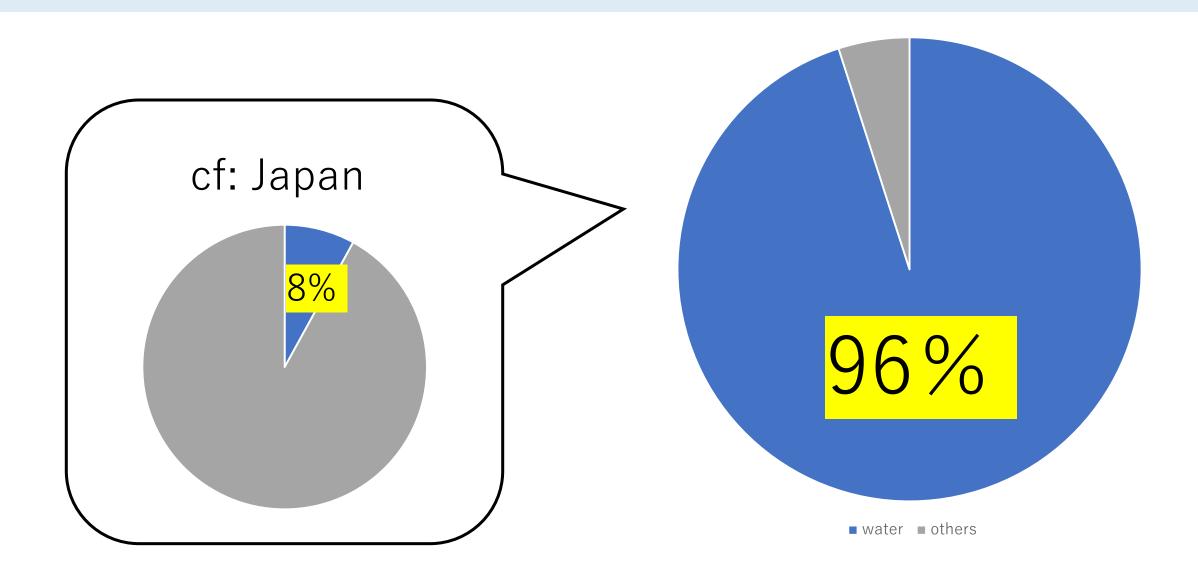
Taishi Matsushima Takuma Tonooka Yuka Ozawa Hinako Dodo AQ3//Waters Phive belieding



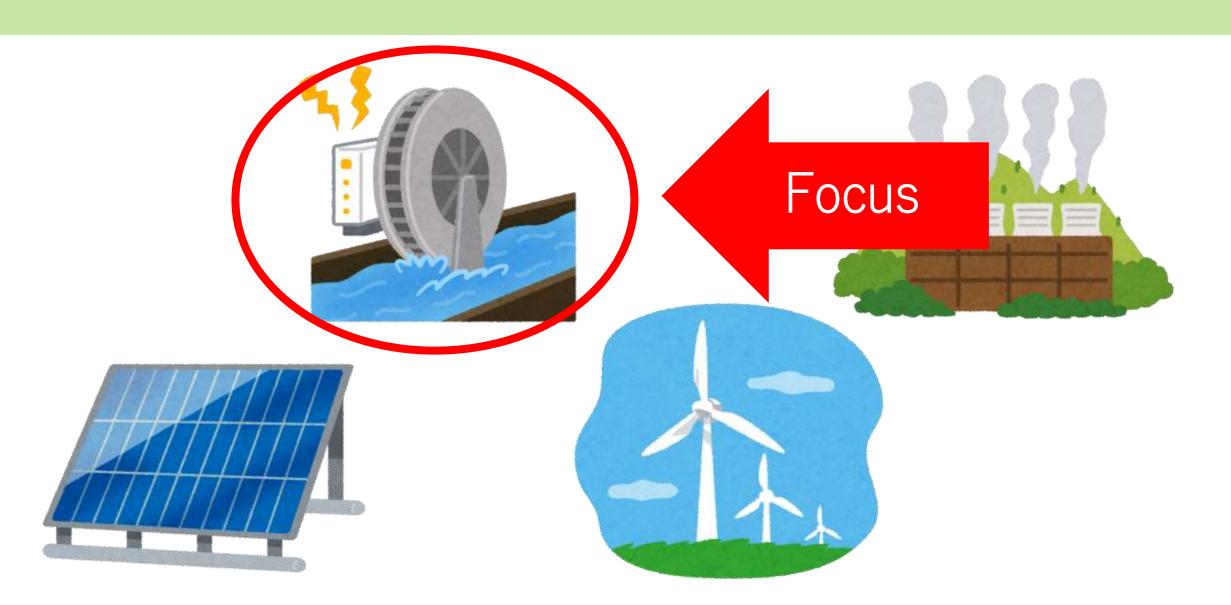




## The Ratio of Water Power in Norway



# Renewable Energy



# TOPICS

- 1. Water power generation in Norway & Japan
- 2. The trend of Japanese electronic company
- 3. The way of increasing water power generation in Japan



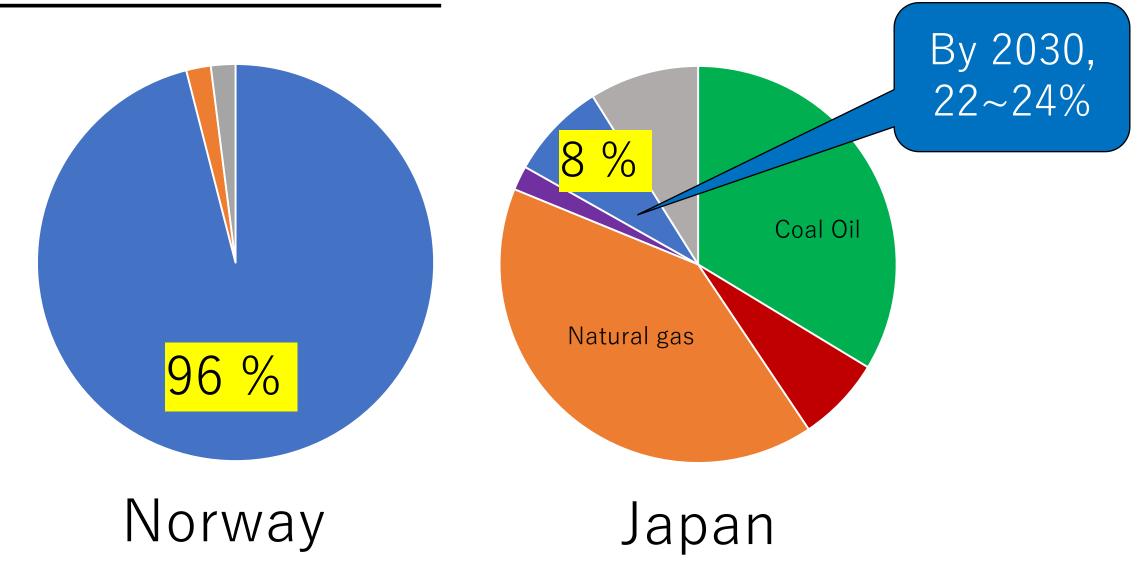
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## Power Sources



#### Water Power Generation in Norway

1 Full of ups and downs



2 Many lakes

3 Rivers which can generate electricity

#### Water Power Generation in Japan

Many power plants (Over 1000 locations)

⇒ Already used up the right places for the location





Hard to expand anymore

Difficult to introduce Norwegian system

# TOPICS

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- Certain power companies
- Electric power reforms(5 times)

#### Trend of Japan

## **Energy Liberalization**

Money Forward DISPERIA





SoftBank









# What is the purpose?

Before After

Reasonable Price

Many kind of new power system





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#### Many kind of new power system

#### 1)Stable power supply

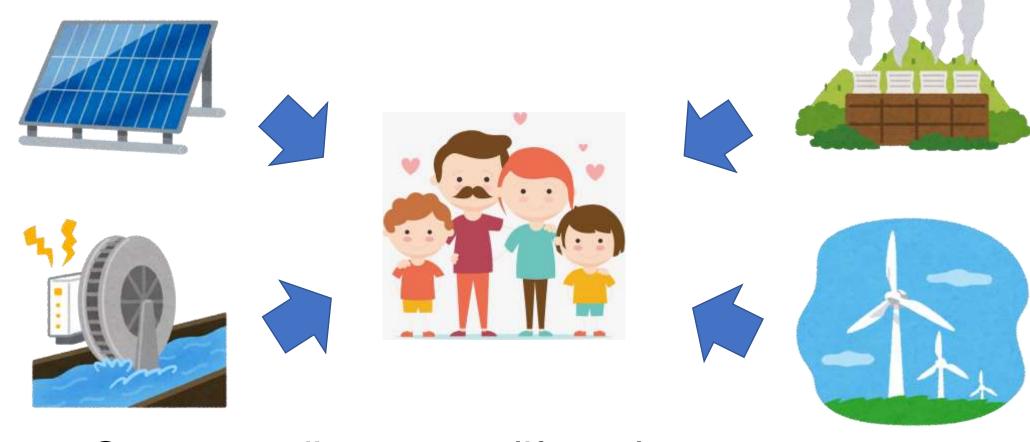




- ⇒The Great East Japan Earthquake of 2011
- ⇒Power shortage

#### Many kind of new power system

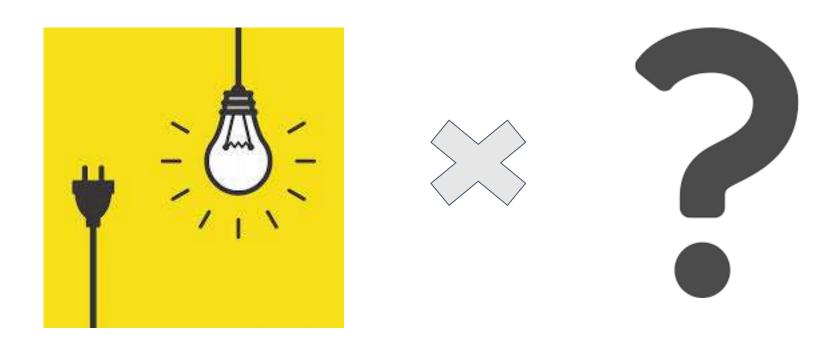
2 Select a power supply sources



⇒Corresponding to our life style

If we are a water company...

#### How to break into the market?

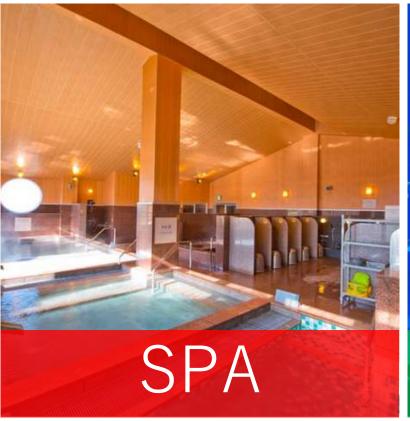


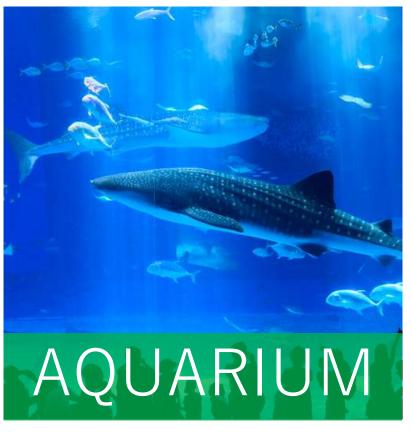
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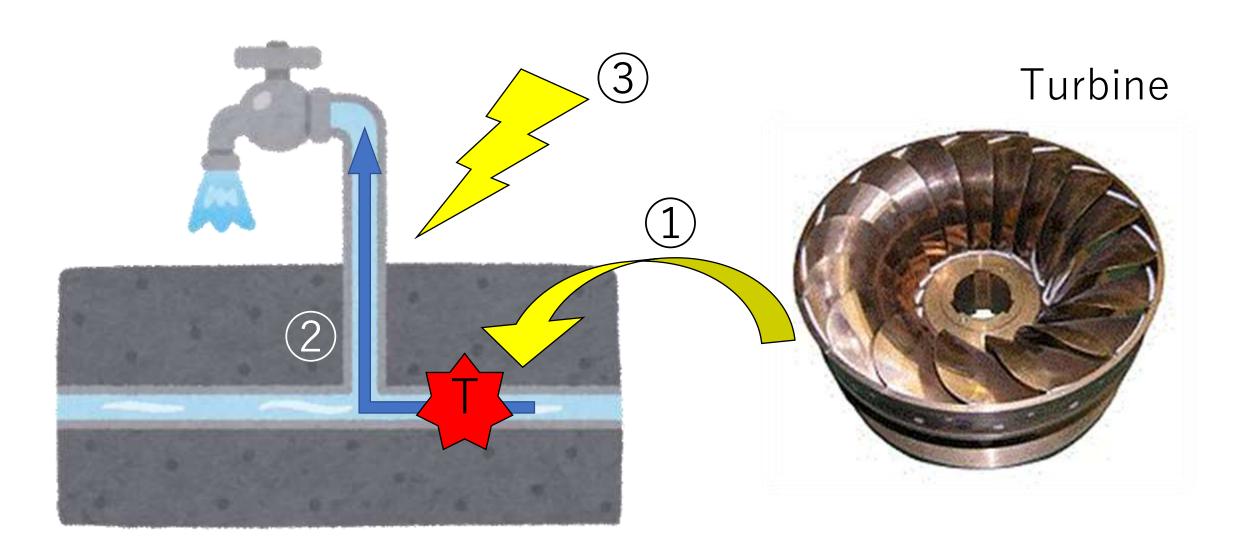




# Our proposal

Use these facilities

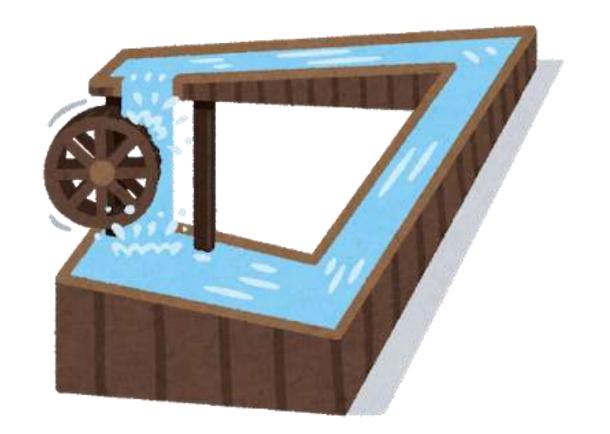
# How to Generate Energy?

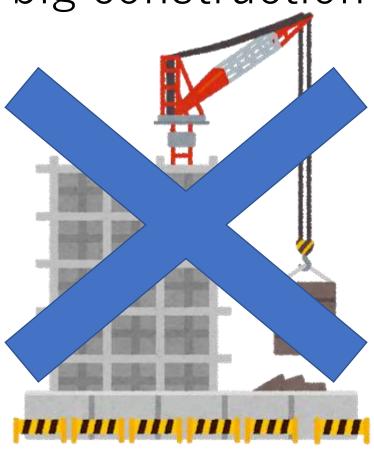


## Merits

1 Have water current

2 No big construction





# Examples in JPN

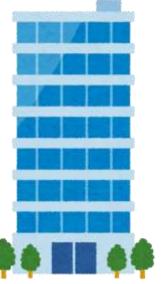
Office Building (NHK)





Factory





Using circulating water

#### If We Install Micro Water Power Plant...

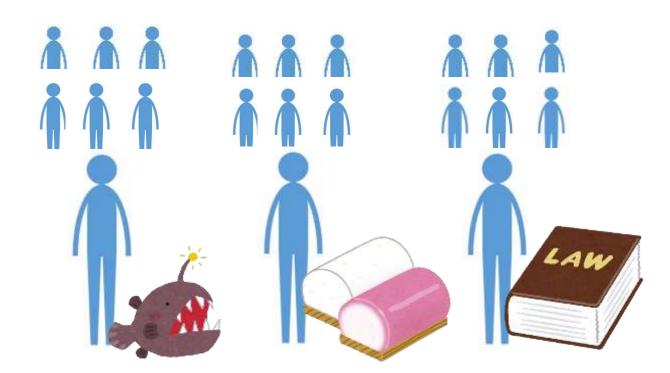
1,490 MWh/year



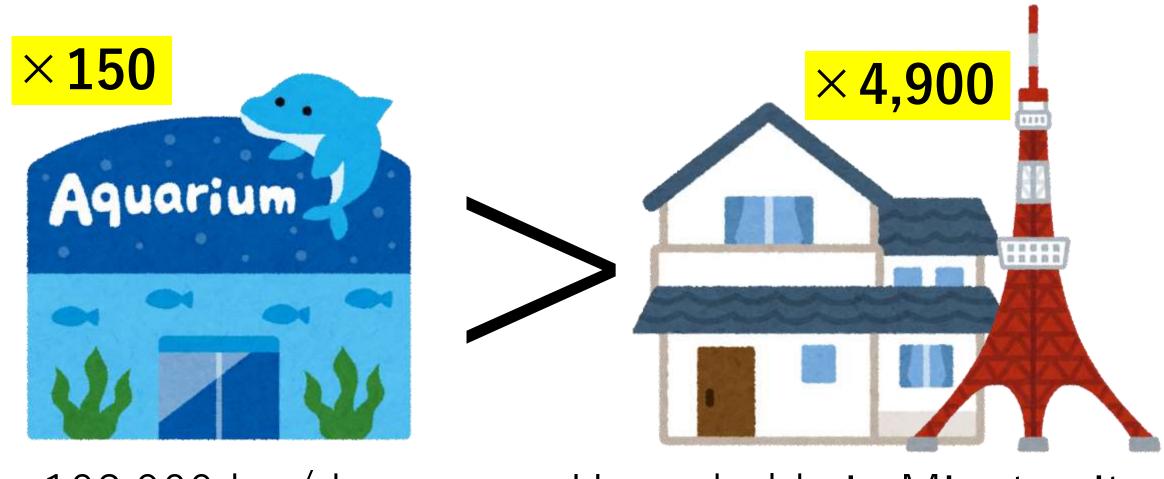
186 people



School of Marine Life Science



## Use all the Aquarium in Japan...



102,900 kw/day

Households in Minato city

#### Traditional







Water Power become close to our lives!

