



JCM and its opportunities for Mongolia

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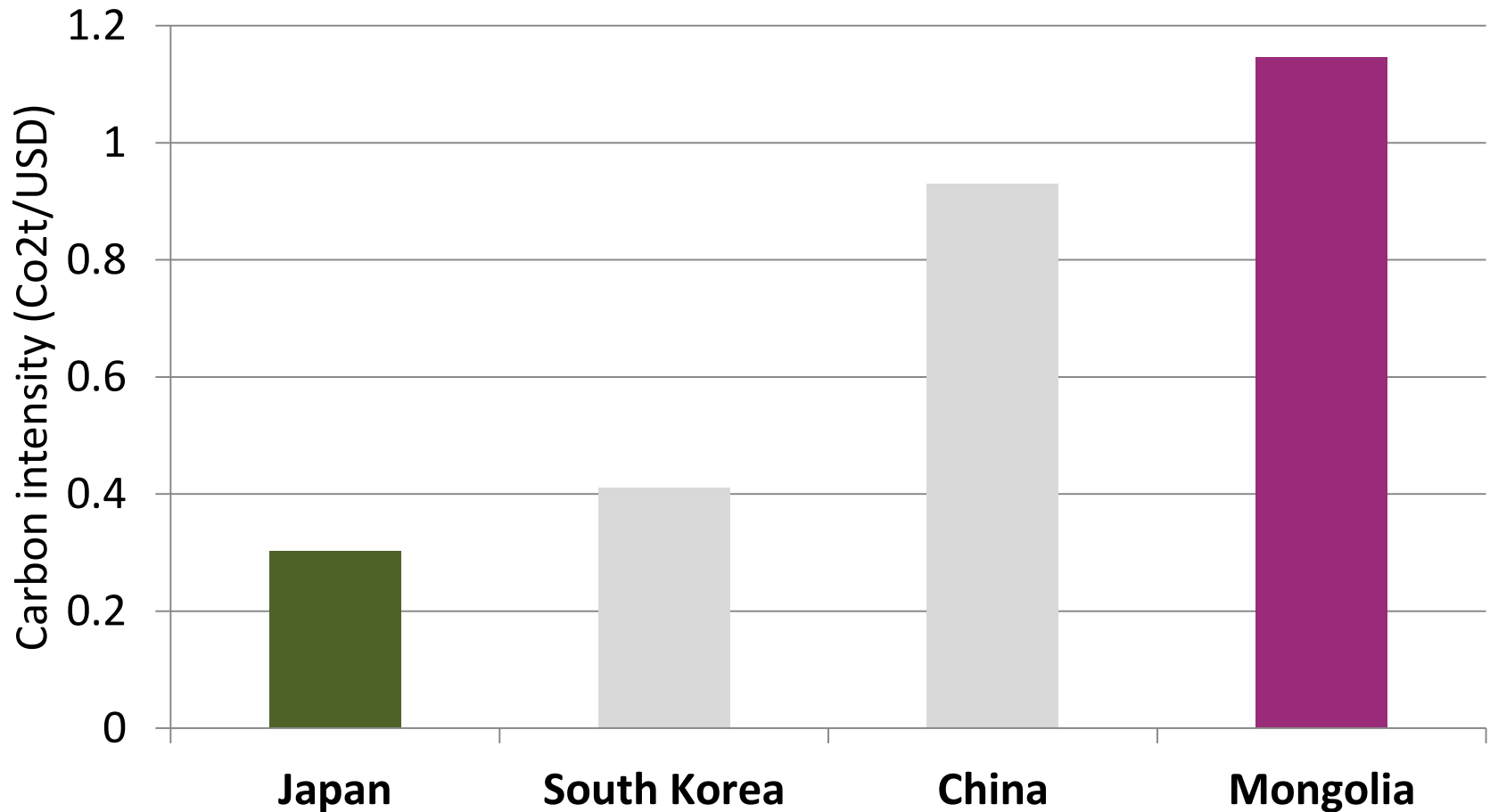
Climate and Energy Area, IGES

Should Mongolia care about GHGs?

- Climate change is already happening- need to reduce greenhouse gases (GHGs).
- Japan's GHG emission 76 times higher than Mongolia (2006)
- Should Mongolia care about reducing GHG?



Carbon intensity- high and low



Based on World Bank Development Indicators, 2008 data

GHG reduction cost matters

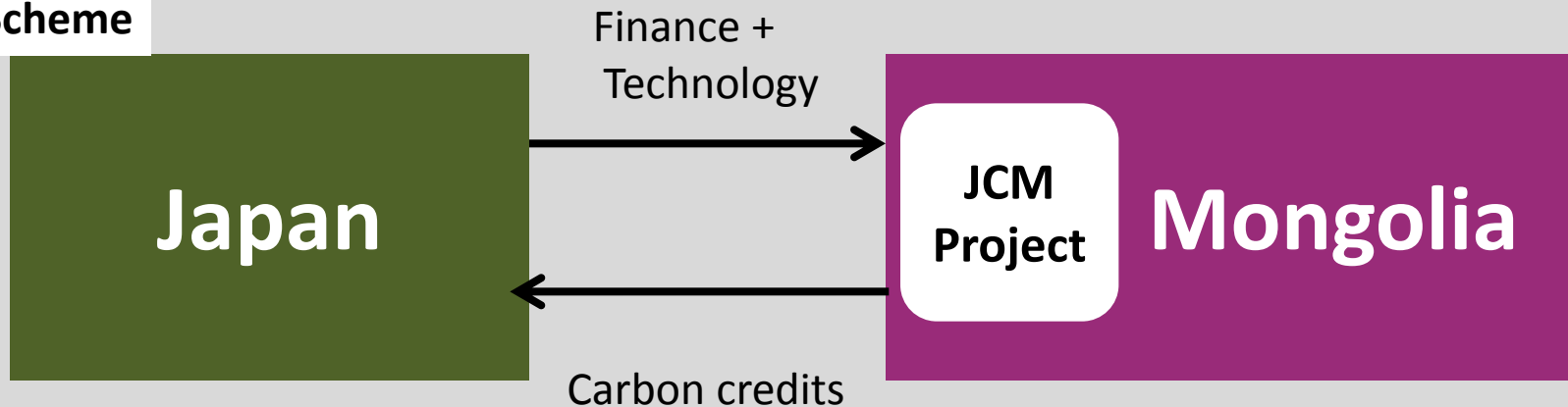
Japan's economy is at the highest level of energy/carbon efficiency. This means:

1. It is costly to further reduce GHG in Japan
2. If Japanese technologies are introduced in less energy-efficient countries, more GHG can be reduced at the same cost.



JCM for latest technologies – at lower cost

JCM Scheme



Benefits to Japan

- GHG reduction at lower cost
- Market opportunities for Japanese firms

Benefits to Mongolia

- Japanese technology at significantly lower cost
- Reduced fossil fuel consumption and air pollution
- Increased technical capacity of Mongolian private firms

What finance?

- **Global Environment Centre Foundation (GEC)**

- Finance up to 50% of the initial investment cost
- Budgetary scale- 1.2 billion JPY/ 18 billion MNT(FY2013)



- **New Energy Development Organisation (NEDO)**

- Almost full finance, but the installed facilities need to be purchased by the consortiums at a discounted price later
- 3.1 billion JPY/ 46 billion MNT (FY2013)
- 50 million-1000 million MNT per project / 733 million-14700 million MNT per project



What technologies?

Ongoing

1. Replacement / new installation of energy-efficient HOBs
2. High-efficiency power transmission

Studies/Being studied

1. Energy efficiency improvement of CHP (2011, 2013)
2. Application of geothermal heat-pumps (2011,2012)
3. Cement Energy Efficiency improvement (2013)
4. Solar power generation (2013)

If you want to use JCM....

1. Develop a project idea to reduce GHG emission
2. Partner with Japanese firms to develop consortiums
3. If possible, undertake feasibility studies for GHG-reducing projects, including how to calculate GHG emission reduction
4. Contact IGES(or MEGD) for more information

Thank you.
Баярлалаа.