

Developing Resource Efficiency Policies in Emerging Countries; Drivers and Facilitating Factors - a case of Indonesia-

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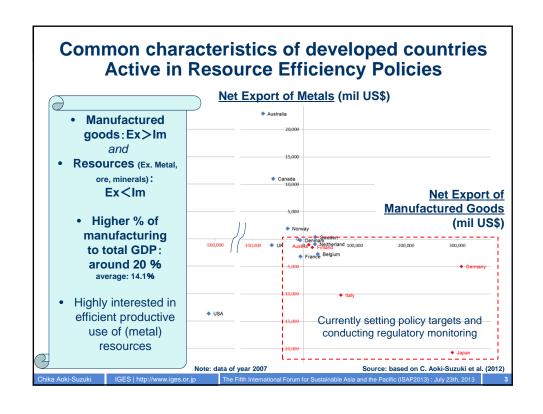
Introduction

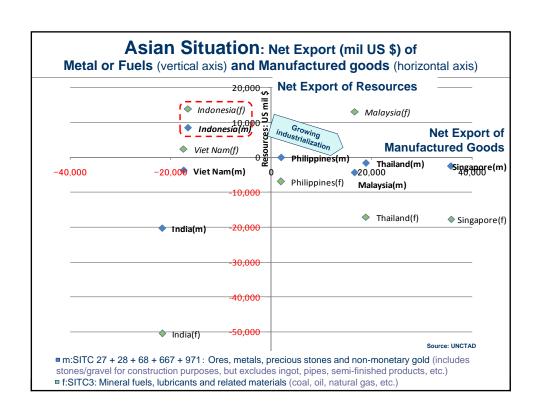
- Resource Efficiency (RE): central of global environmental policy agenda
- Newly developed RE strategy
 - EU, Germany, Austria
- Continuing consideration of RE in 3R policies
 - China, Japan
 - On circular economy / sound material cycle society policies
- Applying RE indicators (Resource Productivity) as headline indicator:
 - **UNEP** Green Economy Indicator
 - OECD Green Growth Indicator

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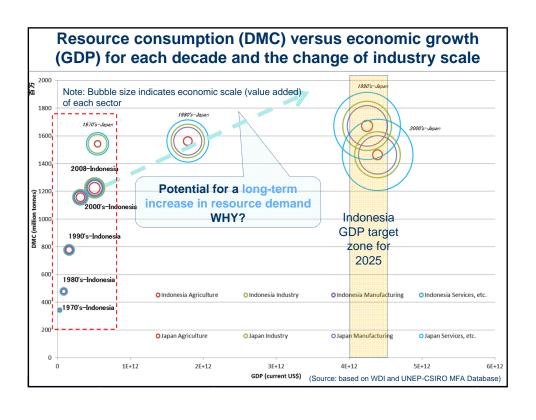
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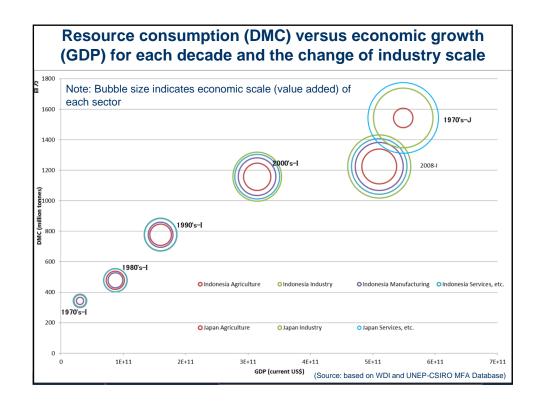
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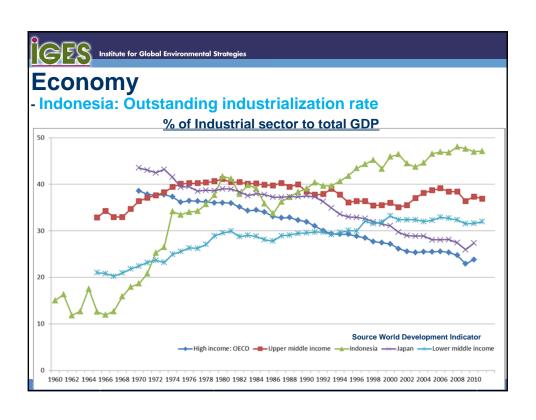




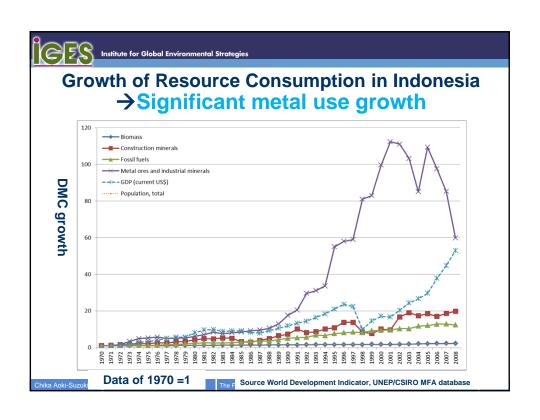


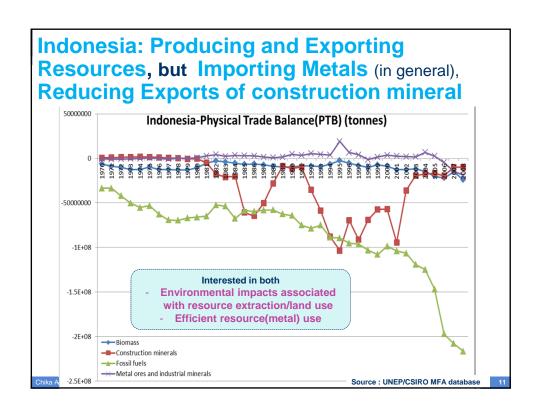


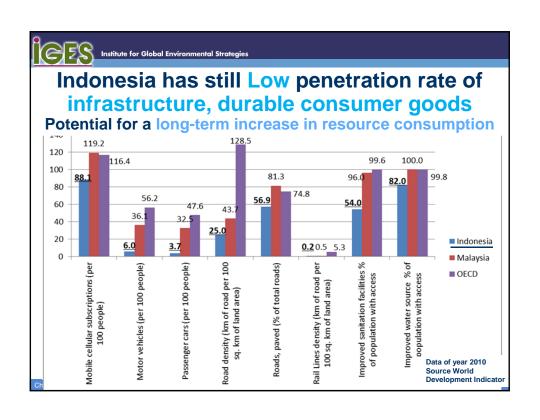


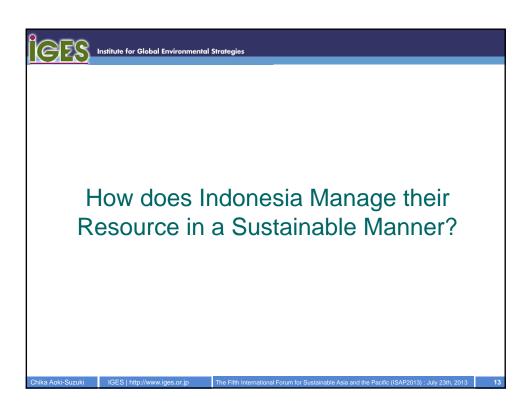


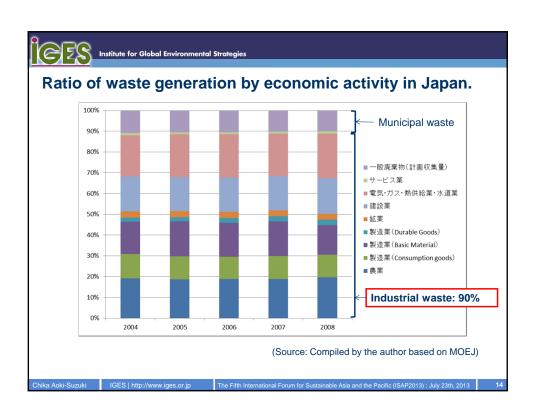


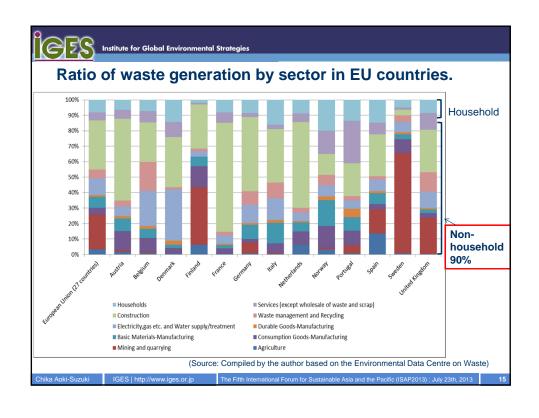


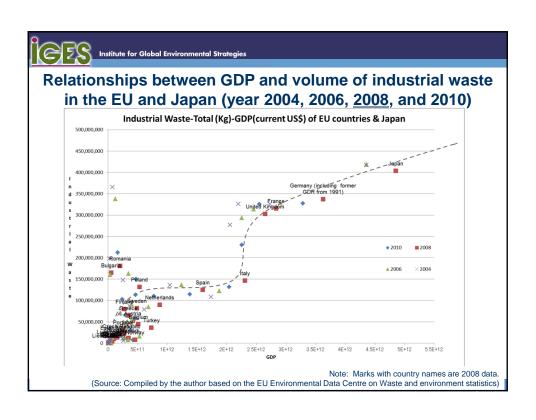












Towards: Resource Efficient Indonesia Opportunities and Consideration

- (0). Poverty reduction, Growth, Inequalities
- (1). Increasing & Large population that will last until 2050
- (2). Outstanding industrialization rate
- (3). Low penetration rate of infrastructure and durable consumer goods.
- Resource efficient social system and life style
- (4). Potential for a long-term increase in resource consumption
- (5). Producing/exporting both abiotic and biotic resources, consideration to Environmental impacts at extraction
- (6). Expecting increased Waste generation

Innovation for Industrial Process (cyclical use/ zero emission) and Prior Investment on 3Rs

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Next step

In short-middle term

- How to develop resource efficient society
 - Industries
 - Energy Service to Resource Efficiency Service Company?
 - Use more secondary materials in Manufacturing sector
 - Push by Multinational companies(i.e. Nissan, Richo)?,
 - Encouragement by policy?
 - Infrastructures (Transportation, buildings)
 - Mind change? : More reduce, reuse

In longer term...(to avoid planetary boundary)

- To what level should Resource Consumption in Indonesia (AP) should converge?
 - Reduce the growth of Resource consumption

