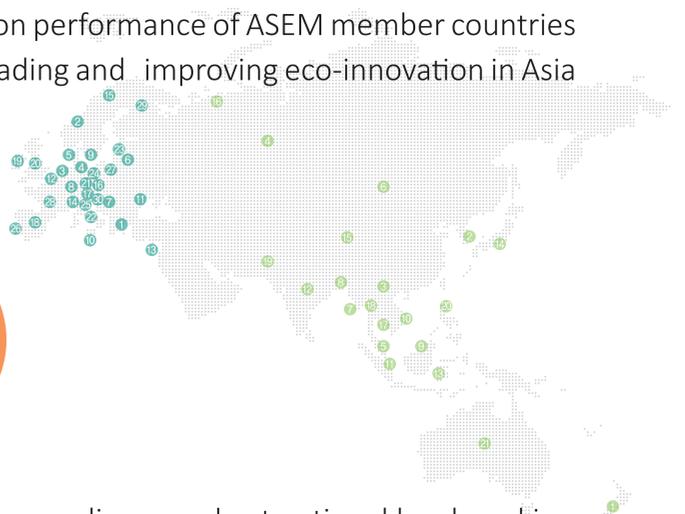


# ASEM Eco-Innovation Index

- ASEM Eco-Innovation Index (ASEI) evaluates the eco-innovation performance of ASEM member countries and serves as a basis for future strategy development on spreading and improving eco-innovation in Asia and Europe

## Ways toward Green Economy and Sustainable Development



- “Eco-innovation” has important role in pursuing green economy policy agenda at national level, and is a key catalyst for implementing green economy. Eco-innovation can be a way to realize sustainable development, as well as, way that resonate with and diffuse the implementation of SDGs.

## Indicators

- ASEM SMEs Eco-Innovation Center (ASEIC) developed 20 indicators to evaluate 51 countries over Asia and Europe

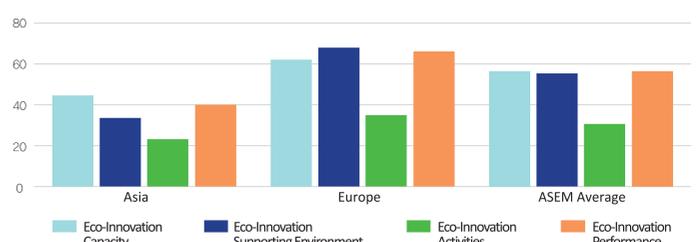
### ASEI Indicators

Criteria	2015 ASEI Indicators
Eco-Innovation Capacity	<b>1-1. Country's economic competitiveness</b> <b>1-2. Country's general innovation capacity</b> 1-3. Green technology R&D institution capacity 1-4. Green technology possessed/acquired firms <b>1-5. Awareness of sustainability management</b>
Eco-Innovation Supporting Environment	2-1. Government's R&D expenditure in green industry <b>2-2. Implementation of environmental regulations</b> 2-3. Maturity of investment setting for green technology industry 2-4. Investment scale of green technology SMEs
Eco-Innovation Activities	3-1. Commercialization level of green technology <b>3-2. Firms' participation on environmental management system</b> 3-3. Economic influence of leading environmentally responsive firms <b>3-4. Green patents</b> <b>3-5. Activeness of renewable energy utilization</b>
Eco-Innovation Performance	<b>4-1. Level of environmental impact on society</b> <b>4-2. CO<sub>2</sub> emission intensity</b> <b>4-3. Country's energy sustainability level</b> <b>4-4. Water consumption intensity</b> 4-5. Jobs in green technology industry <b>4-6. Green industry market size</b>

\* Bolded indicators were updated for ASEI 2015 research

## ASEI Results 2015

### ASEI Results: Asia vs. Europe

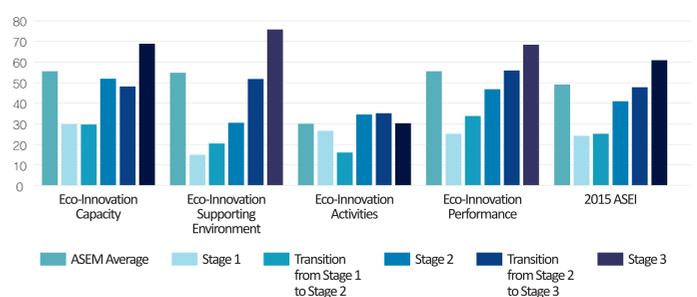


- Compared to Asia, Europe's score is higher in the Eco-innovation Capacity and Activities, and significantly higher in the Supporting Environment.

- Europe has built government support mechanisms through environmental regulations and supporting policy instruments, and green technologies and industries developed with high social and market awareness of the environment.

- Asia shows high capacity but scores relatively low in terms of policy support for eco-innovation.

### ASEI Results: Asia vs. Europe

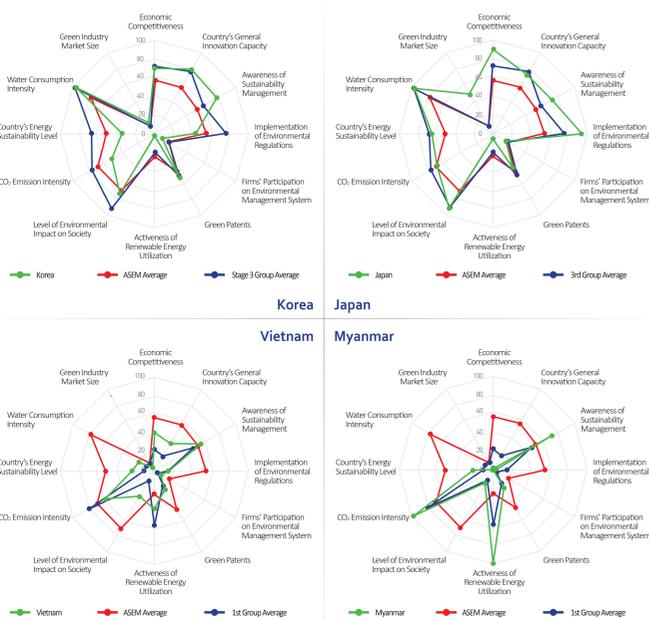


- In line with the stages of development (WEF, 2015), Eco-innovation Supporting Environment and Performance scores tend to increase according to countries' stage of development, but the level of Eco-innovation Activities appears to be consistently low in countries across all stages of development.

- Indicators like “activeness of renewable utilization” encompass biomass energy, so developing countries scored relatively high in Eco-innovation Activities.

## Case study in Asia

Korea, Japan, Vietnam, Myanmar



## ASEI and Further Research on SDGs Monitoring

- ASEIC is developing ASEI research to be used as tool to monitor SDGs implementation progress

- For example, indicators like “Firm's participation on environmental management system”, and the level of “Green Patents” can be suggested as indicators to monitor implementation of sub-goals in Goal 12. Ensure Sustainable Consumption and Production Patterns

- ASEIC will further collect data and research on such indicators, especially in Asian developing countries, and plan to collaborate with national governments and related organizations to conduct country case studies