



# Climate actions and SDGs: Synergies and trade-offs from an interlinkage perspective

---

**Dr. Xin Zhou**

Research Leader of Strategic and Quantitative Analysis Centre  
Institute for Global Environmental Strategies (IGES)

***ISAP P3: Integrating Climate Change and the Sustainable Development Goals (SDGs) in Asia***

*International Forum for Sustainable Asia and the Pacific 2019,  
31 July 2019, PACIFICO YOKOHAMA, Japan*



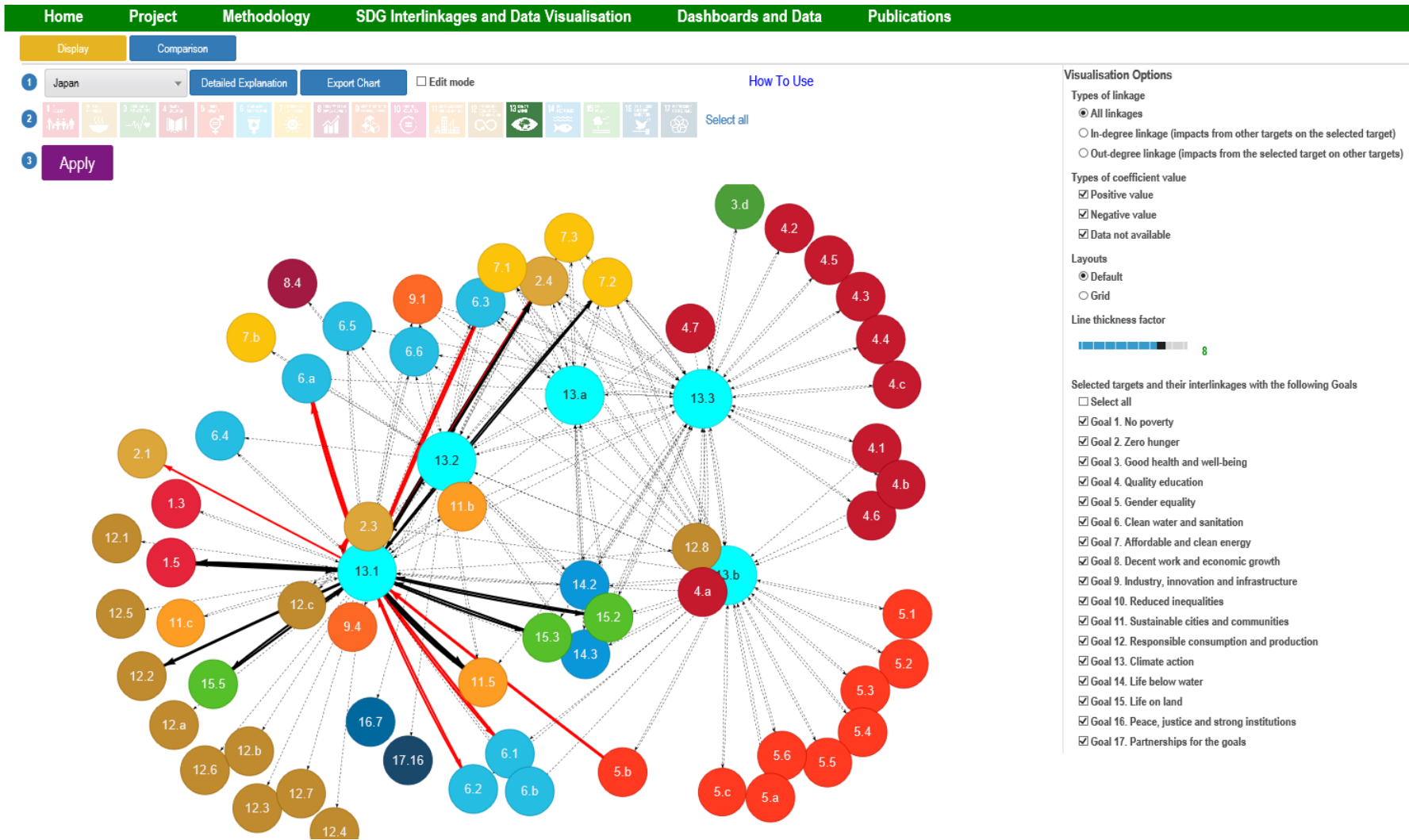
**ISAP 2019**

# Goal 13 and other climate action-related goals cross-cutting 17 SDGs through indivisible interlinkages



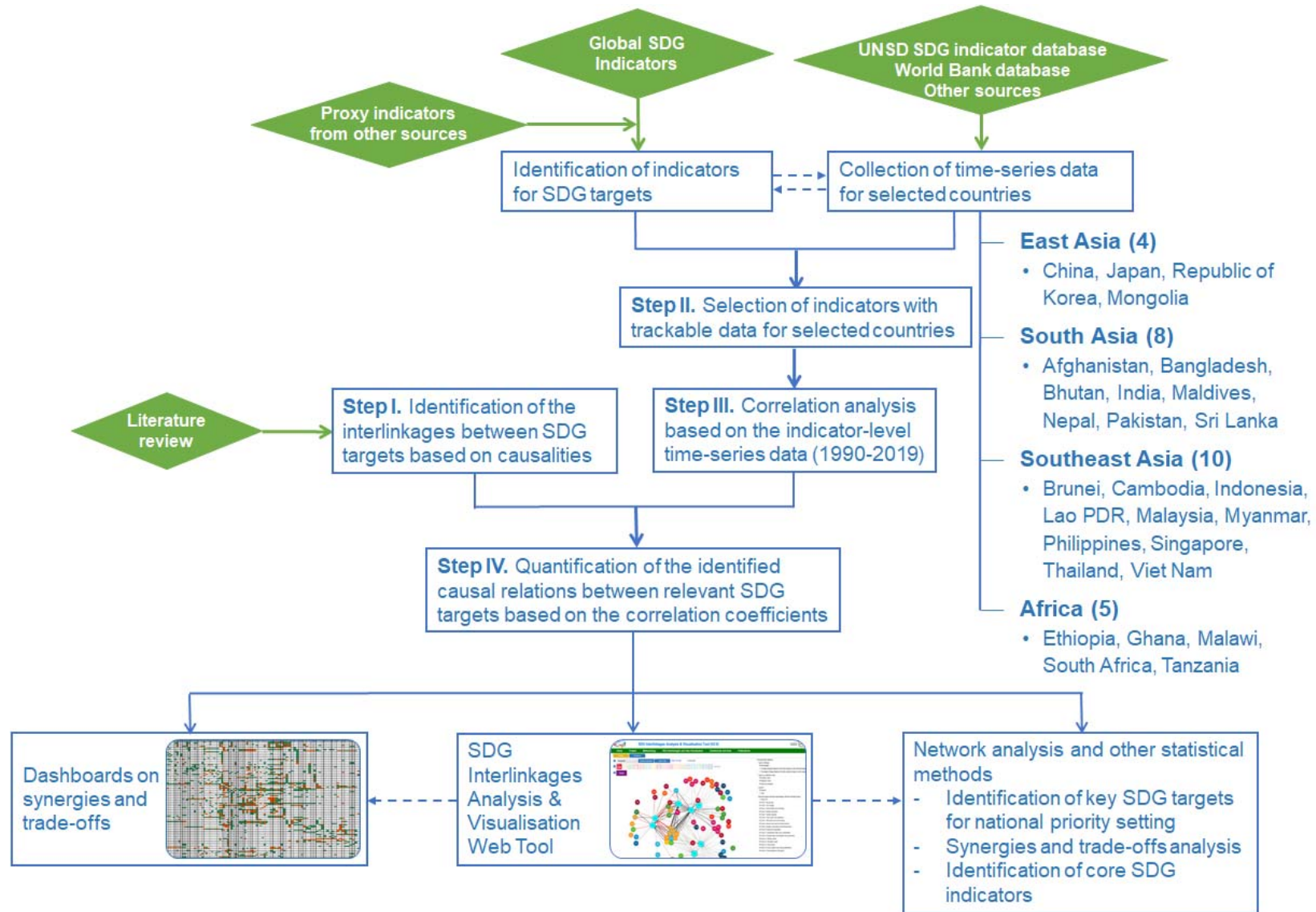
# IGES SDG Interlinkages Analysis & Visualisation Tool (V3.0)

(<https://sdginterlinkages.iges.jp/visualisationtool.html>)



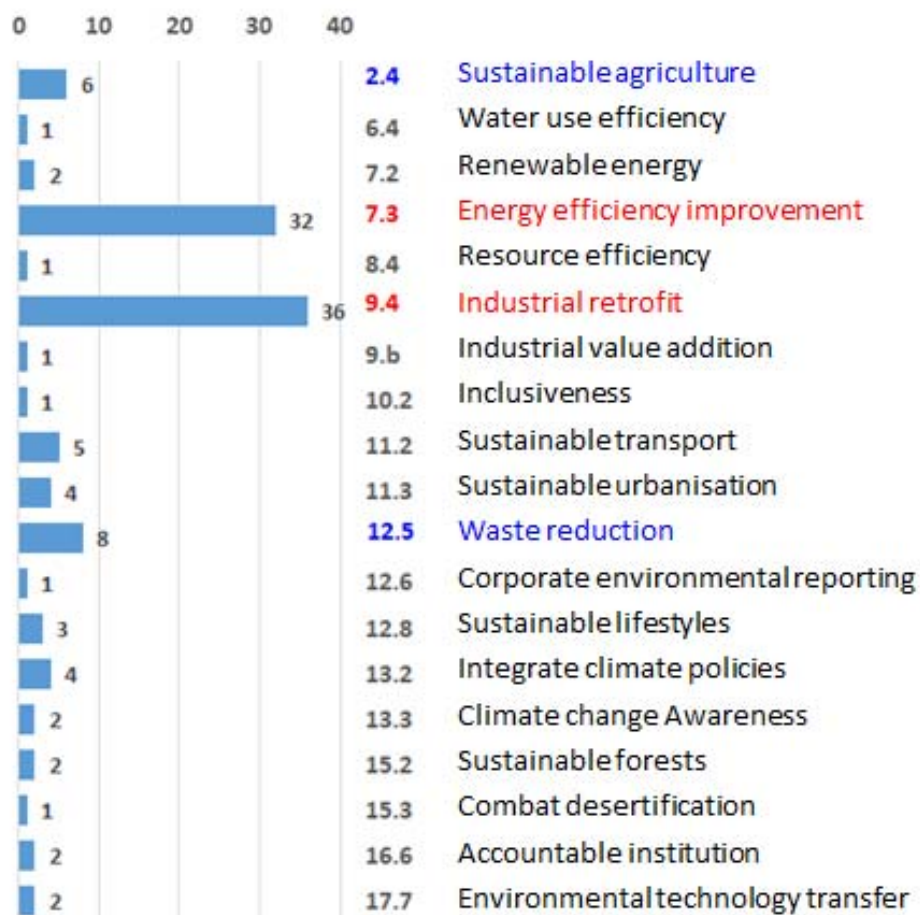
Source: A screenshot taken from IGES SDG Interlinkages Analysis & Visualisation Web Tool (V3.0).

# A practical tool based on scientific evidence to support integrated policy-making for SDG planning and implementation

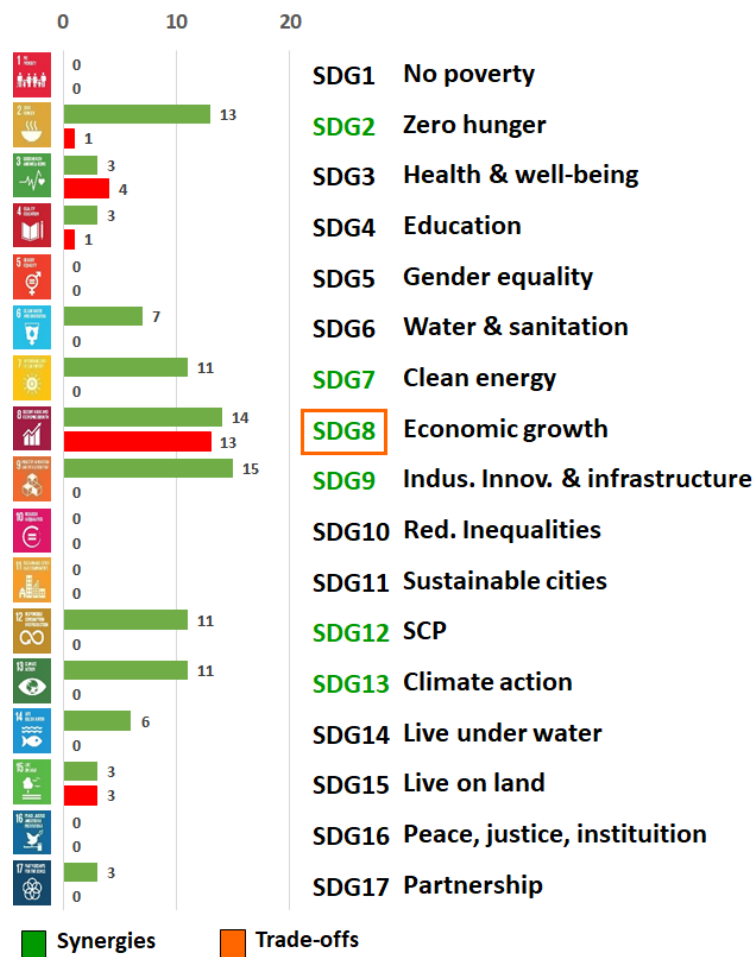


# Japan's nationally determined contributions (NDC) linking with 12 SDGs (19 targets) showing more synergies and less trade-offs with SDGs

No. of mentions in Japan's NDCs



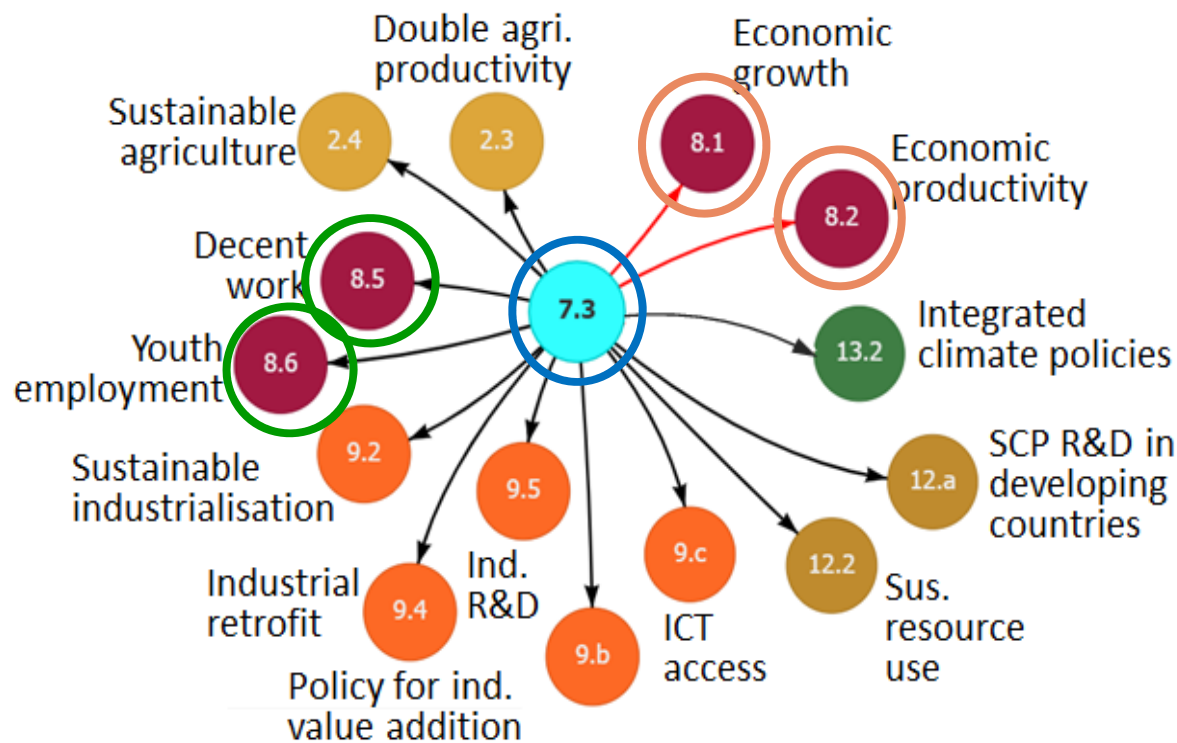
Japan's NDCs and SDGs



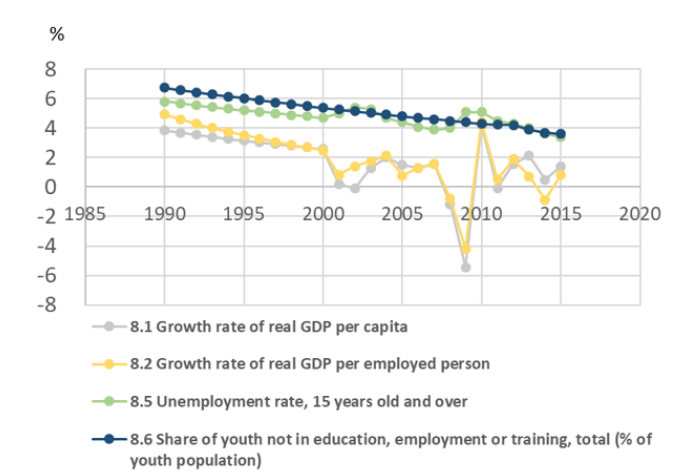
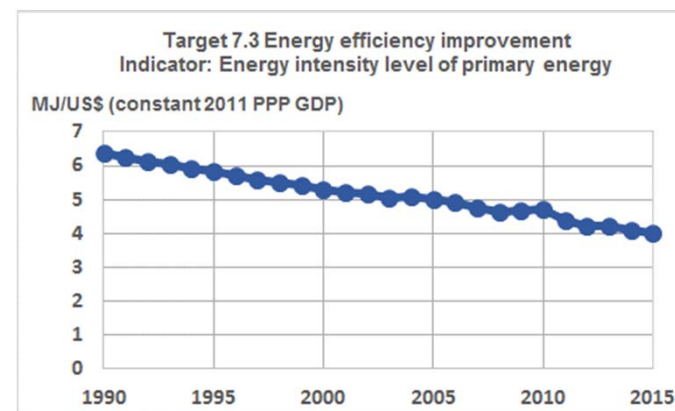
Source: Compiled based on ClimateWatch (WRI) and Zhou et al. (2018).

Source: Analysed using IGES SDG Interlinkages Analysis Tool.

# Synergies and trade-offs: An example of Target 7.3 (energy efficiency improvement)



**Black lines:** Synergies; **Red lines:** Trade-offs.



Source: Analysed using IGES SDG Interlinkages Analysis Tool by Xin Zhou and first presented by Professor Kazuhiko Takeuchi at the Climate and SDGs Synergy Conference, 1-3 April 2019, Copenhagen.

# Thank you!

Contact: [zhou@iges.or.jp](mailto:zhou@iges.or.jp)

Zhou, X., Moinuddin, M., 2017. Sustainable Development Goals Interlinkages and Network Analysis: A practical tool for SDG integration and policy coherence. IGES Research Report. Hayama: IGES. Available at: [https://sdginterlinkages.iges.jp/files/IGES\\_Research%20Report\\_SDG%20Interlinkages\\_Publication.pdf](https://sdginterlinkages.iges.jp/files/IGES_Research%20Report_SDG%20Interlinkages_Publication.pdf).

Zhou, X., Moinuddin, M., Li, Y., 2019. SDG Interlinkages Analysis & Visualisation Web Tool (V3.0). Hayama: IGES. Available at: <https://sdginterlinkages.iges.jp/visualisationtool.html>.

