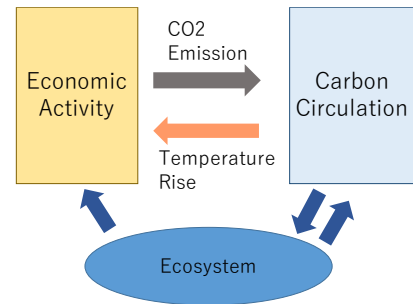Tetsuya Tamaki (Lecture of Kagawa University)

Mitigation and Adaptation for Climate Change

Climate change modelling with backstop technologies [1]

- The model chooses the best technology endogenously.
- To achieve strict targets, we might end up employing a technology that sacrifices the ecosystem.

Adaption and mitigation investment [2]

- Analyze the optimal ratio of adaptation to mitigation.
- Give a unified understanding of the mitigation and adaptation investment models.
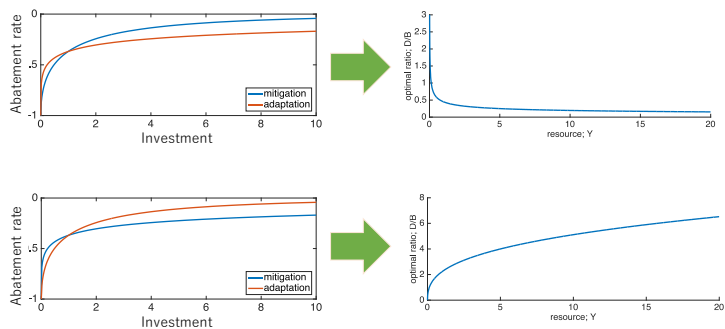
Purchase intention of EVs [3]

- Investigate the purchase intentions of non-EV owners and the post-purchase satisfaction of EVs owners.
- SEM analysis shows that environmental awareness directly affects the purchase intentions.

Publications

[1] "Evaluation of the Ocean Ecosystem: Climate Change Modelling with Backstop Technologies" (with W. Nozawa and S. Managi), Applied Energy, 2017, Vol.205, pp.428-439.

[2] "On analytical Models of Optimal Mixture of Adaptation and Mitigation Investments"(with W. Nozawa and S. Managi), Journal of Cleaner Production, 2018, Vol. 186, pp.57-67.

[3] "Effect of Environmental Awareness on Purchase Intention and Satisfaction Pertaining to Electric Vehicles in Japan" (with T. Okada and S. Managi), Transportation Research Part D: Transport and Environment, 2019, 67, pp.503-513.