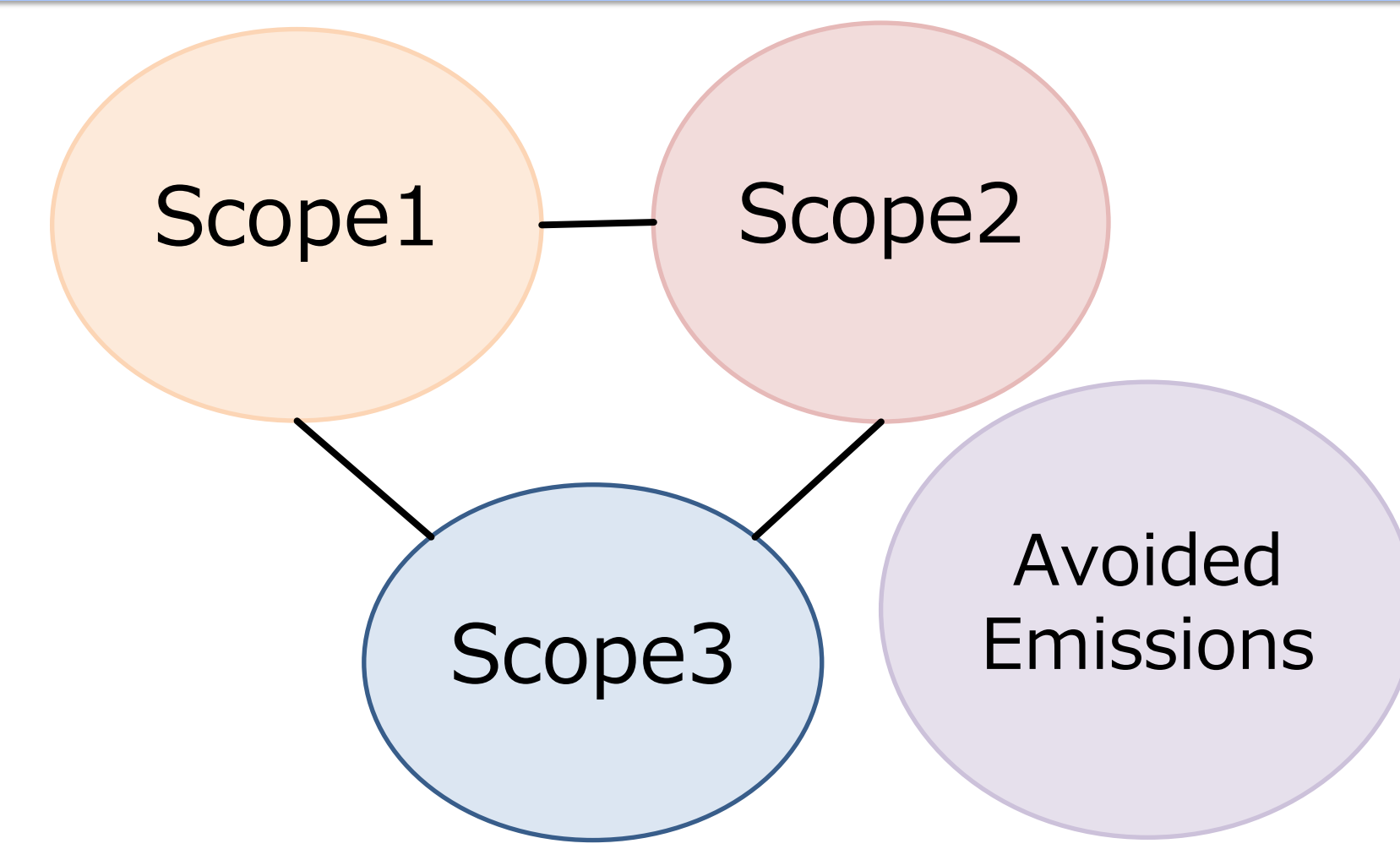


# Greenhouse Gas Reduction Scenarios of Corporate Activities Incorporating Avoided Emissions

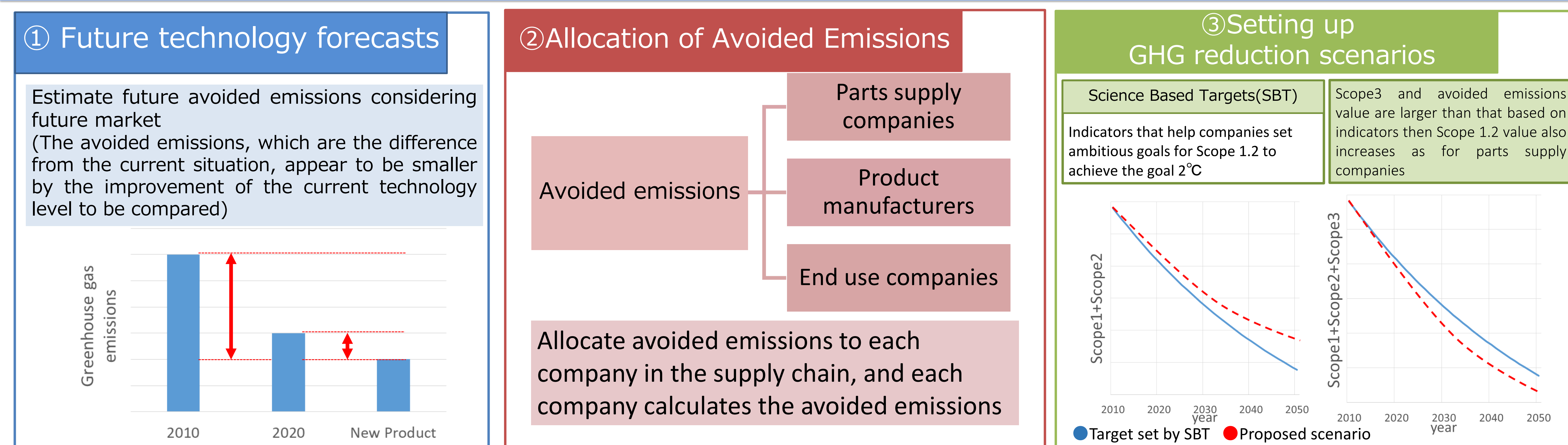
Ritsumeikan University ○Yuto Naito Naoki Yoshikawa Koji Amano Koji Shimada

## Backgrounds and Objectives

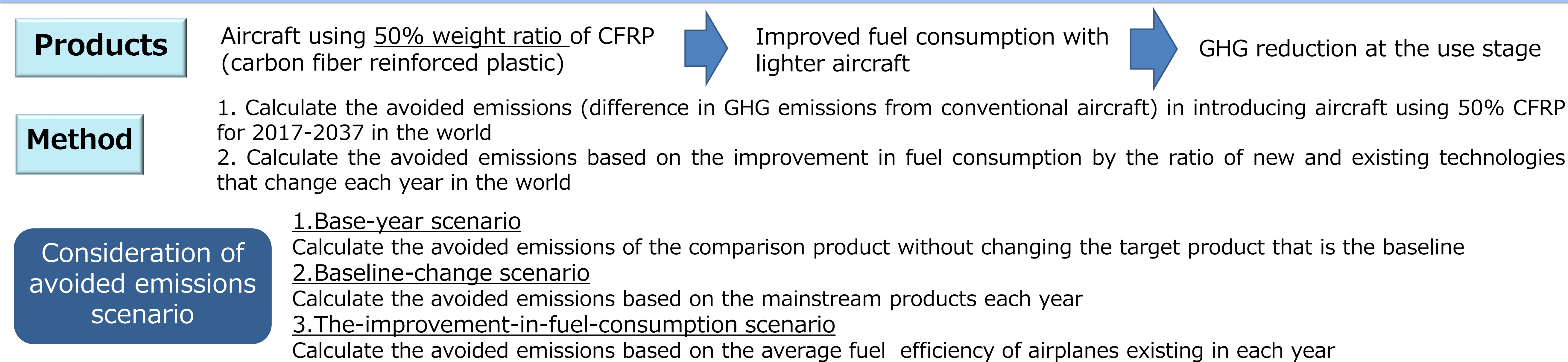
- ▶ The Science Based Targets(SBT) used in the company's greenhouse gas (GHG) reduction strategy consider only Scope 1 and 2 and do not use Scope 3 related information.
- ▶ We propose a method for formulating scenarios for GHG reductions that take into account the avoided emissions throughout the product life cycle.
- ▶ This time, we will examine the technical issues and examine countermeasures for calculating the avoided emissions necessary for setting future GHG reduction scenarios.



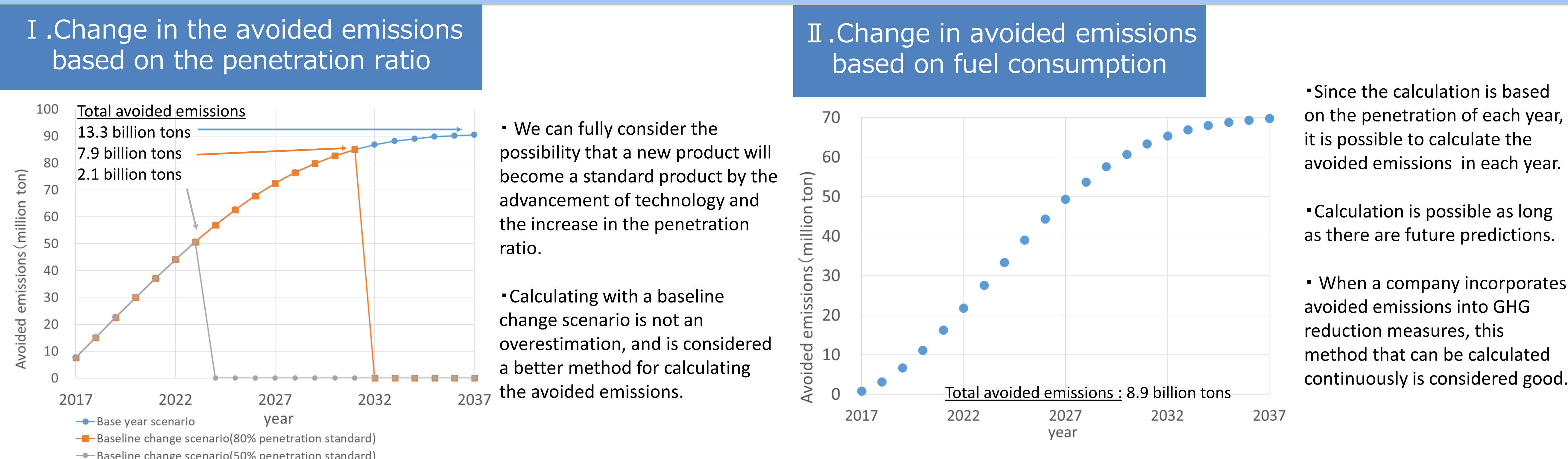
## Conceptual framework



## Case study of future avoided emissions (①)



## Results and discussions



## Summary

- ▶ In I , Despite the creation of avoided emissions, it is possible that the avoided emissions to new products will be zero, which will be a disadvantage when companies adopt GHG countermeasures.
- ▶ In II , it is considered that this method, which can be calculated continuously, is good when companies incorporate avoided emissions into GHG reduction measures.
- ▶ When companies incorporate avoided emissions into GHG reduction measures, it is considered appropriate to introduce them using the II methods that can calculate avoided emissions each year.