



Contributions of Japanese Universities to achieving Net Zero

Target setting and Strategy Development towards Carbon Neutral by 2050: Case of SOKA University, Japan

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Number of students:
Approx. 5,700

Area of campus:
870,000m²

8 Departments such as
Economics, Science &
Engineering, etc.

Number of full-time faculty &
staff: Approx. 550






Summary of the Process of Strategy development

- **Organizational structures** were created (i.e. SDGs Promotion Center, Sustainable Campus Working Group)
 - Made the **SDGs in one of the four pillars** of the “University Grand Design 2021-2030”
 - Ensure the **necessary budgets** based on the “Grand Design” and its related plans
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Summary of the Process of Strategy development

- “The University Coalition and WG” created the momentum, and provided the cases of other universities
 - On campus, intensive dialogue sessions among students, instructors and administrative and technical staff
 - University shared the relevant data with the students (e.g. energy use per building, etc.)
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Summary of the Process of Strategy development

- University created **various opportunities for students' research**
 - University **supported the implementation** of the recommendations based on the research by the students
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Process (FY2019-FY2021)

University's Strategy & Roadmap

April, 2019
Established
SDGs Promotion
Center

Preparation for
drafting Grand
Design started

Discussions of
inclusion of "SDGs"
in one of four pillars
in Grand Design
(2021-2030)

April, 2021
Implementation of
the Grand Design
(2021-2030)

April, 2021
"Climate Emergency
Declaration", aiming at
"carbon neutral by 2050"

Process (FY2021- FY2023)

University's Strategy & Roadmap

July 2021,
Joined the Univ.
Coalition & Zero
Carbon Campus
Working Group

June 2022
Dialogues on
energy use
on campus

April, 2023
Sustainable
Campus WG
established

Oct. 2023
Dialogues on
energy use
on campus

Nov. 2023
GHG emissions
analysis and draft
reduction
roadmap

Discussions among
students how best to
contribute to reducing
CO₂ emissions from
transport in Hachioji
city

Reduction target of
transport sector in
Hachioji city – not
so ambitious

Focus on promoting
bike-share system at
University and in
Hachioji city

Students' Research

Process (FY2023- FY2024)

University's Strategy & Roadmap

Dec. 2023
Dialogues on carbon neutral with external experts

Jan.- Feb., 2023
Finalization of GHG emissions analysis and draft reduction roadmap

April, 2024
Published the GHG emission data and reduction roadmap toward CN2050

Feb. 2023
Policy measures recommended to Hachioji city government by students to improve and expand bike-share system

Collaboration among the city government, bike-share company, and University

Bike-share system introduced to SOKA Univ. thanks to the students' research and efforts

Students' Research

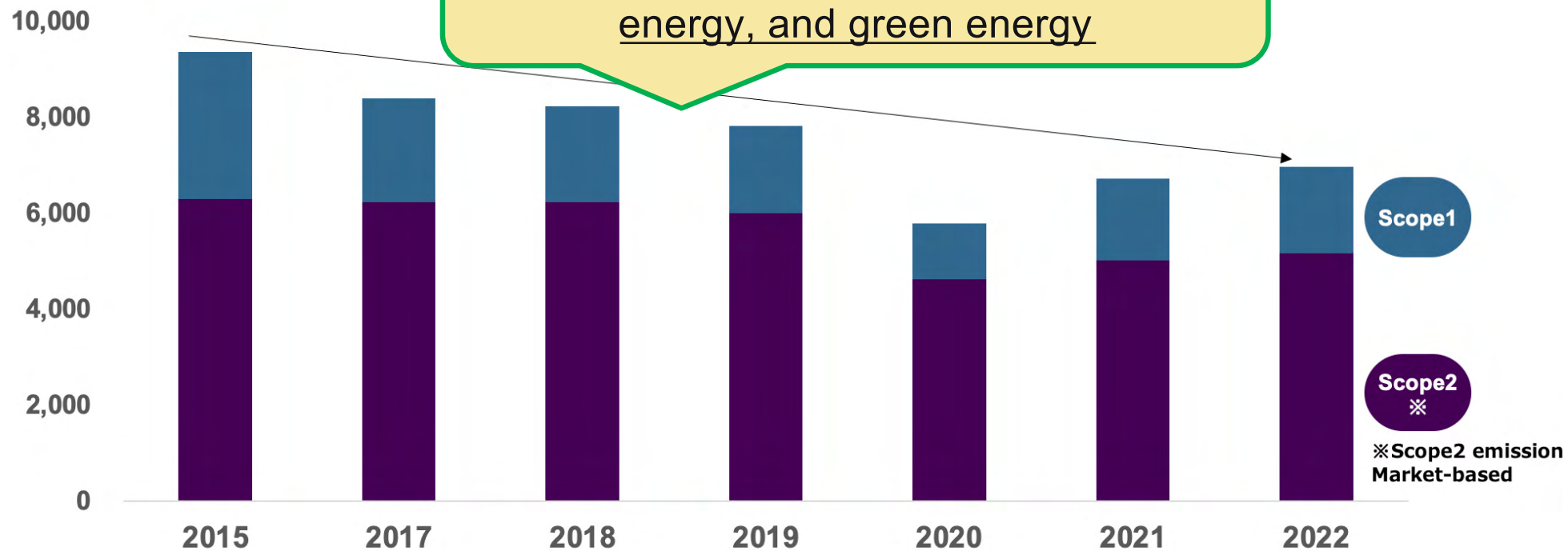
Bike-share system introduced to SOKA University thanks to the students' research



GHG Emission Amounts from SCOPE 1 and SCOPE 2

Continuously making efforts in increasing energy efficiency, introducing solar energy, and green energy

Unit : t-CO₂eq



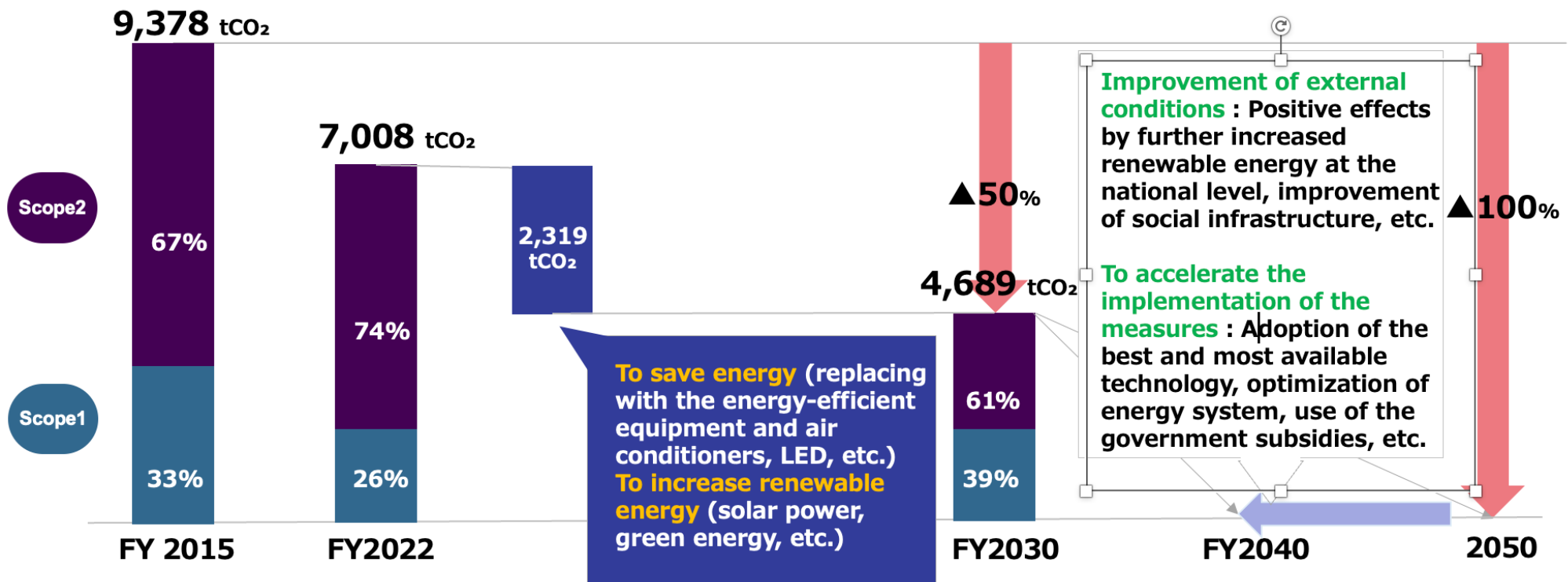
Scope1

Scope2

※

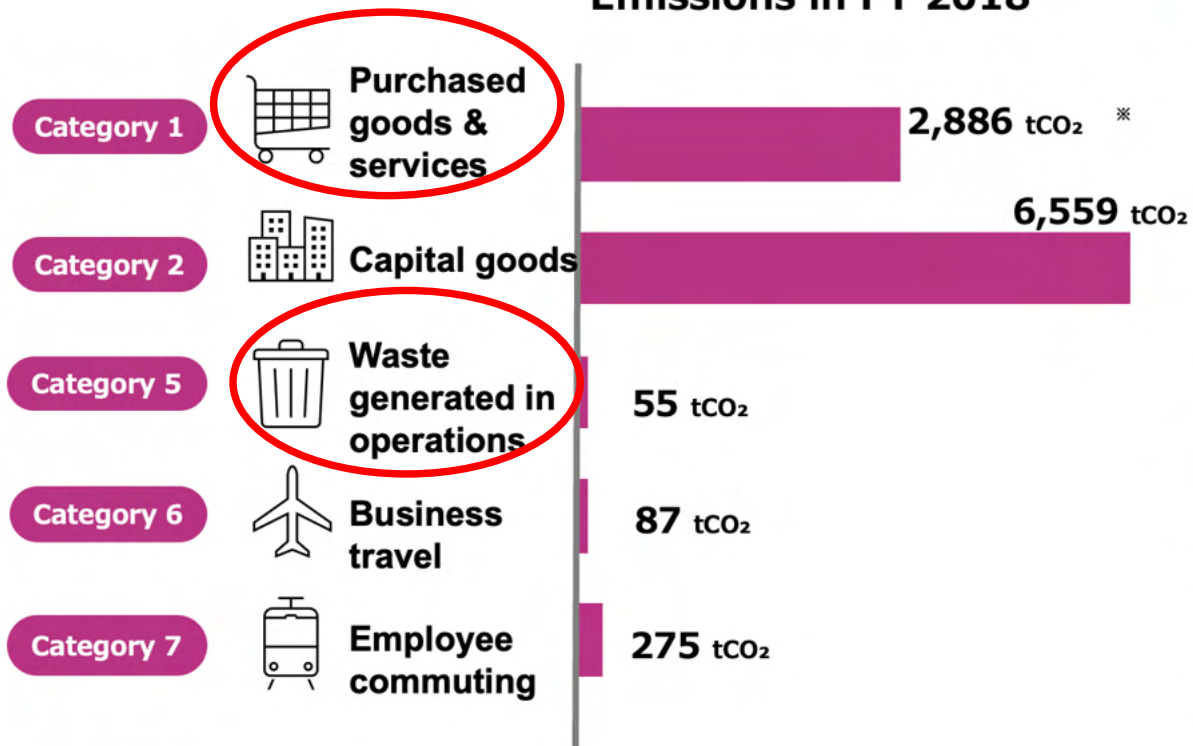
※Scope2 emission Market-based

Roadmap and measures to achieve CN by 2050: SCOPE 1 & SCOPE 2



Measures to achieve CN by 2050: SCOPE 3

Emissions in FY 2018



Some of the Reduction Measures

To implement “Green Procurement Guidelines”, and promote sustainable products and e-books

To implement “Green Procurement Guidelines” regarding renovation and developing new buildings

To prepare “Resource circulation and waste reduction plan” for plastics and other materials

To consider the use of low-carbon transportation means and other alternatives

To promote modal shift to buses, bicycles, and walking
To introduce bike-share system on campus
To collaborate with transport sector in the city

Basic Guidelines towards Carbon Neutral



Education

Classes related to CN (e.g. Economics of Climate Change, Environmental Management, Environmental Science, etc.)



Research

Further promotion of research related to carbon neutral



Sustainable campus

Making the campus more sustainable by all the stakeholders through the action-based seminars, daily practice of reducing wastes and saving energy, etc.




Partnership

Collaborate with other universities, companies, the local community and city



Way Forward

- Continue to **share the experiences** among the universities through the Coalition
 - **Accelerate the implementation process** on campus
 - **Get more students involved** in the process and support them to **implement their recommendations** based on the research
 - **Collaborate** with other universities, companies, the local community and city for actions
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**Thank you very much
for your kind attention!**