

## Past Activities of Zero-emission Bay Secretariat of Tokyo Zero-emission Innovation Bay

Thank you very much for the introduction.

First, I would like to show you the outline and past activities of the Tokyo Zero-emission Innovation Bay.

Tokyo Zero-emission Innovation Bay (Zero-emission Bay) is a council jointly established by companies, universities, and national research institutes around the Tokyo Bay area, as you can find on the slide.

Zero-emission Bay aims to make the Tokyo Bay Area the first zero-emission innovation hub in the world and bring world recognition, in line with the “Environment Innovation Strategy” of the Japanese Government formulated on January 21, 2020.

Our activities include:

1. Compiling area maps with activity information of industries, universities, and research organizations around the Tokyo Bay area and distributing them to the world.
2. Planning/promoting research and development/demonstration projects including national projects and disseminating/utilizing the results.
3. Promoting information exchange and collaboration among members on the commitments on research and development/demonstration, businesses, etc. related to zero-emission technologies.

The council comprises private companies, universities, national research institutes, and other organizations that engage in research and development and demonstrate zero-emission business practices.

As of May 17, 2023, the council has 138 memberships, including the secretariat, regular members, and observers with Professor Kashiwagi, a Distinguished and Emeritus Professor from the Tokyo Institute of Technology, serving as the president and AIST as the secretariat.

Three years have passed since its establishment in June 2020, and today, we are holding our 3rd Symposium.

Before this symposium, Zero-emission Bay held the biannual general assembly, and it has quarterly board meetings as well.

Our website, available in both Japanese and English, features the Zero-emission Bay Map (Area Map) showcasing our activities in the Tokyo Bay Area and interactive member activities. Please visit our website

for more information.

The President Kashiwagi leads the general assembly in discussing and deciding on matters related to the council's business plan, budget, board member appointments, and organizational establishment. All decisions are made with unanimous agreement among the members.

The President and board members nominate managing companies to organize board meetings that prepare various activity proposals.

Among the working groups, the three stand out in making significant progress.

The first is the demonstration project working group, which promotes collaborations on research and development between companies, universities, and government bodies.

The second is the PR working group responsible for disseminating the council's initiatives through websites and SNS.

The third is the Zero-emission vision study working group, which focuses on achieving zero emissions vision in the Tokyo Bay Area. A lecture from this group will be showing up later in the program.

The AIST's GZR has been serving as its secretariat.

Our activities so far are:

1. Zero-emission activity introductory seminar

The Zero-Emission Activity Introductory Seminar is an online event exclusively held for regular members, and it has been conducted 22 times until now. During the seminar, members from Zero-Emission Bay present themes such as hydrogen energy utilization, chemical recycling, heat utilization, CCUS, and others. The seminar provides a platform for networking with each other.

2. Symposium

Zero-emission Bay has hosted three symposia with 600 to 700 participants each.

3. Dissemination activity

Zero-emission Bay aims to be a helpful resource for members to spread their zero-emission activities using our website.

The chart below breaks down membership into categories including companies as the majority, incorporated associations, universities, ministries, and regional governments, on which you can find a category for each member.

The list of 22 seminar titles covers a wide range of speakers and topics, with over 100 people attending each seminar, meaning a great success in terms of member networking and dissemination.

Today's symposium aims to discuss the council's responsibility in achieving carbon neutrality by 2050, considering the updates made both domestically and internationally, in the last three years since its launch.

In the program later, the first speaker represents the industry to report titled "Activity Report on the Zero-emission Vision Study Working Group" followed by Kawasaki City's talk on "Efforts of Kawasaki City to Achieve Carbon Neutrality". From the academia side, AIST's "Scenario Analysis for Achieving Carbon Neutrality in 2050 in Japan" will be coming up.

This brings me to the end of my presentation on the outline and past activities.

Thank you all for your attention.