

Zero Carbon Campus WG

Outline

Universities, as leaders of carbon neutral initiatives in their local communities and as test beds for social implementation of decarbonization technologies and other such technologies, are in a position to widely disseminate such initiatives to the local community, so they need to take the initiative in making their campuses zero carbon. From this perspective, it is necessary to take the initiative in promoting zero-carbon initiatives on university campuses by sharing the knowledge of advanced universities in Japan and abroad, participating in international frameworks in this field, and so on.

From this perspective, the university should promote the initiatives of each university and actively disseminate the results of such initiatives through the sharing of knowledge of advanced universities in Japan and abroad, participation in international frameworks in this field, etc.

Furthermore, because universities have a unique role and nature to contribute to the carbon neutrality of the region, the nation, and the world through their education and research activities and social contribution activities, it is necessary to take into consideration the diversity of ways in which universities can contribute and to establish an evaluation method for zero-carbon initiatives that take this into account

We will also hold discussions on these issues and share the methods.

Mission

In order to accelerate efforts toward the goal of the zero carbonization of university campuses by 2050, all participating universities in the working group are expected to formulate policies and roadmaps toward this goal as early as possible by 2025 and will share the necessary knowledge, including examples of advanced case studies and research results, so that efforts can be promoted in a phased manner.

Direction of Activities

By 2022, we will indicate direction for the establishment of advanced models that take into account the type and characteristics* of universities that will contribute to the zero-carbonization of campuses, and we will also share and disseminate best practices, issues, and specific methods through the implementation of initiatives related to the construction of the models.

In addition, based on the discussions of the working group, by 2025, all participating universities in the Coalition will formulate policies, roadmaps, etc., with the aim of promoting initiatives in a phased manner.

(*) Single college, university, multiple campuses, affiliated hospitals, etc.

Establish a forum for sharing and discussing cutting-edge initiatives and research results related to zero carbon on campuses. In doing so, we will promote collaboration with university networks both in Japan and overseas to collect and share a wide range of knowledge, as well as share information on trends related to carbon neutrality in Japan and other countries.

Examples of knowledge that is expected to be shared

Knowledge that is useful for the formulation of roadmaps, etc., including the current status, emissions measurement methods, and evaluation indices.

Compatibility with university education and research activities, etc.

The need for local involvement and collaboration among industry, academia, government, and the private sector.

Research results related to innovative technologies that are not limited to existing technologies

Energy-saving methods for facilities, research equipment, operations, etc.

[Examples of existing university networks] Sustainable Campus Council (CAS-Net JAPAN), Renewable Energy University League, etc.

Participation in international frameworks such as "Race to Zero" will be promoted by providing information.