

## 7 Expo 2025 Osaka, Kansai, Japan

### <Main future efforts>

- Making it a place for the demonstration of revolutionary innovation technologies.
  - Considering the use of the 2025 World Exposition in Japan site as a “People’s Living Lab” (a testing ground for future society) to demonstrate new technologies and systems, and as a demonstration field for innovative technologies (in cooperation with the Green Innovation Fund).

### <Examples of innovative technology demonstrations>

- Demonstration of ammonia power generation and hydrogen power generation.
- Demonstration leading to negative emission technology (Direct Air Carbon Capture and Storage, DACCS).
- Demonstration of methanation using CO<sub>2</sub> generated from food waste, CO<sub>2</sub> absorption type concrete, etc.
- Demonstration of prototypes of next-generation solar cells, such as perovskite solar cells.
- Demonstration of how biomass-derived biodegradable containers that can be used to serve food and drink can be recycled and converted into resources.

- The Expo as a whole will be held with an awareness of carbon neutrality.
  - The exhibition in the pavilions will also be focused on carbon neutrality, with an awareness of an image of society in 2050.
  - The venue will be used to promote Japan’s cutting-edge technologies that will lead to “Beyond-Zero City Planning,” by using next-generation solar cells and renewable energy sources.

- Sending out information and giving feedback on initiatives and effects.
  - Disseminating carbon neutral initiatives both domestically and internationally in a form that is useful for social implementation.
  - Considering a system to receive feedback from visitors on the demonstration of innovative technologies.

### **The 2025 World Exposition in Japan site** **(Yumeshima, Osaka)**

