

R&D Center for Zero CO₂ Emission with Functional Materials

Since April 1st, 2022

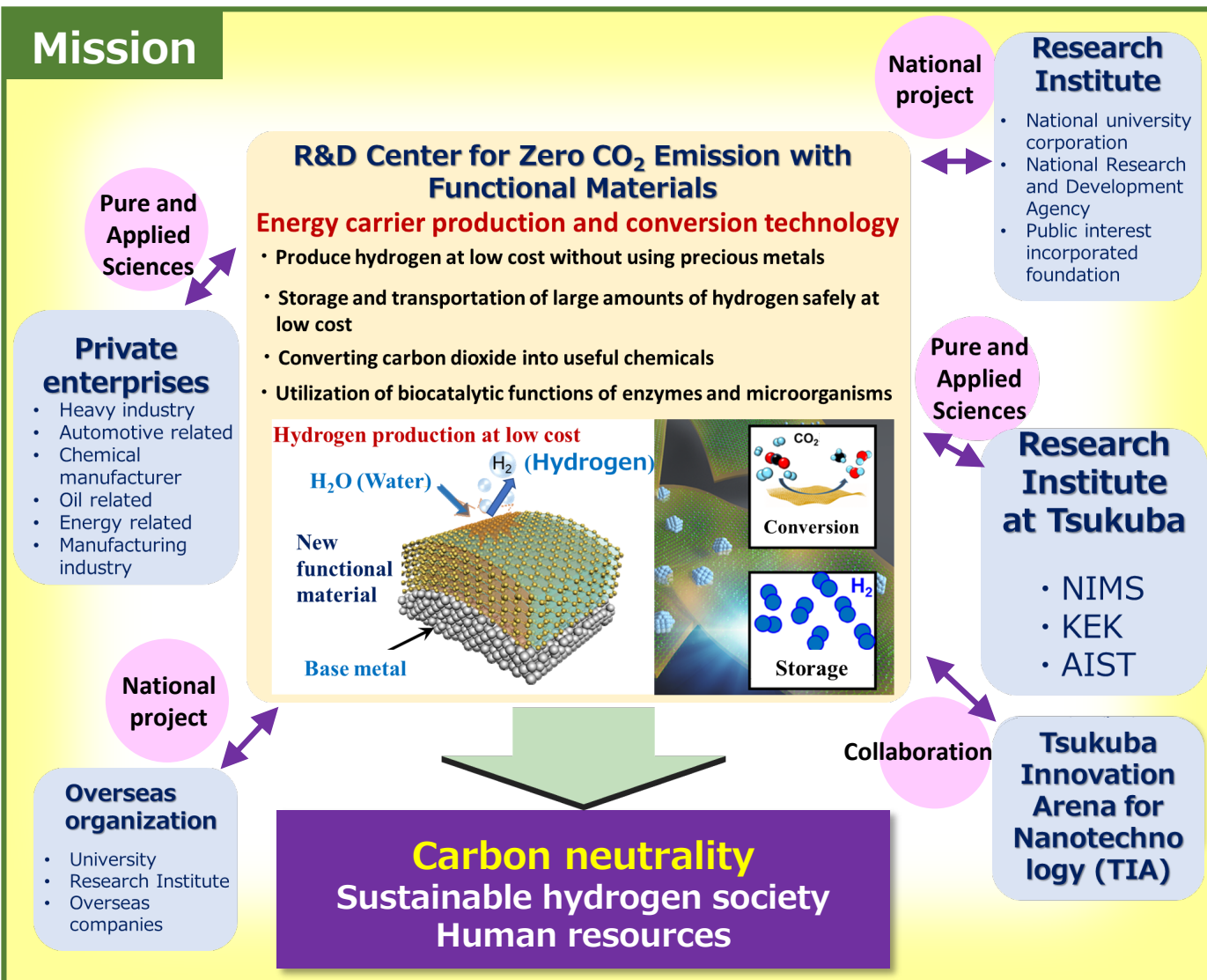
– Toward carbon neutrality and hydrogen economy –

Currently, with global warming, carbon neutrality (zero carbon dioxide emission) is required on a global scale. Hydrogen can be produced from water, and fuel cells using hydrogen produce only water as a product without emitting carbon dioxide in the chemical reaction during power generation. So it now draws attention as one of main energy carrier of renewable energy. Hydrogen is thus a molecule capable to play an important role for the sustainable zero-carbon society. In this center, we will promote the research and development of basic important technologies related to hydrogen production, storage and transportation, and green innovation basic technologies that convert carbon dioxide into useful materials such as methanol and formic acid and fuels.



Dr. Takahiro Kondo
Director, R&D Center
for Zero CO₂ Emission
with Functional Materials

Mission



Address : Laboratory for Advanced Research B 307, University of Tsukuba, 1-1-1 Tennodai, Tsukuba, Ibaraki, 305-8573 Japan

Tel 029-853-5934

e-mail takahiro@ims.tsukuba.ac.jp