

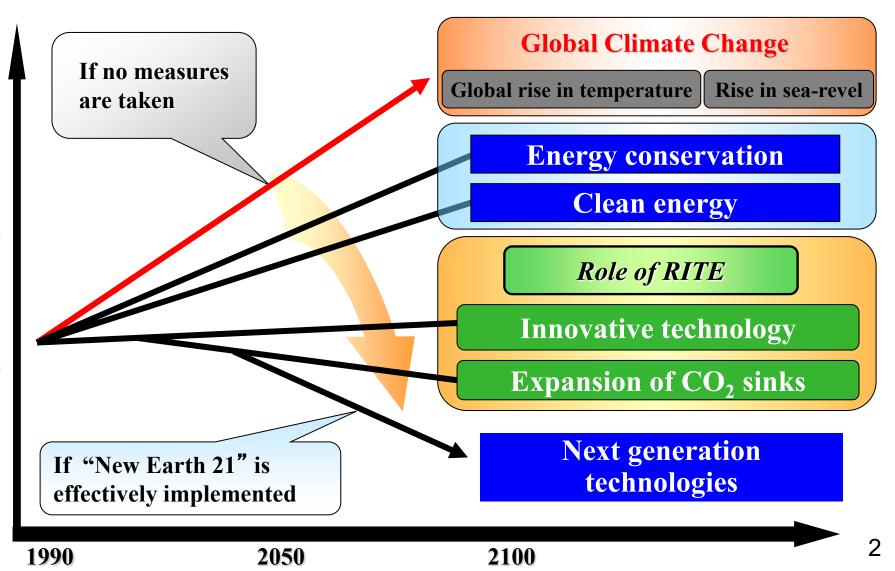
Overview of RITE

Takashi Honjo Senior Managing Director

Research Institute of Innovative Technology for the Earth

"New Earth 21": Earth Regeneration Plan Technology to the Earth

proposed by Japanese government in 1990 Houston Summit



Total greenhouse gas emissions



Profile of RITE

Objective : R&D of industrial technologies that contribute to the conservation of the global environment and the progress of the world economy

Establishment : July 1990 (Supported by MITI, local governments, academic circles and industries)

Activities : Development of innovative environmental technology Expansion of CO₂ sinks

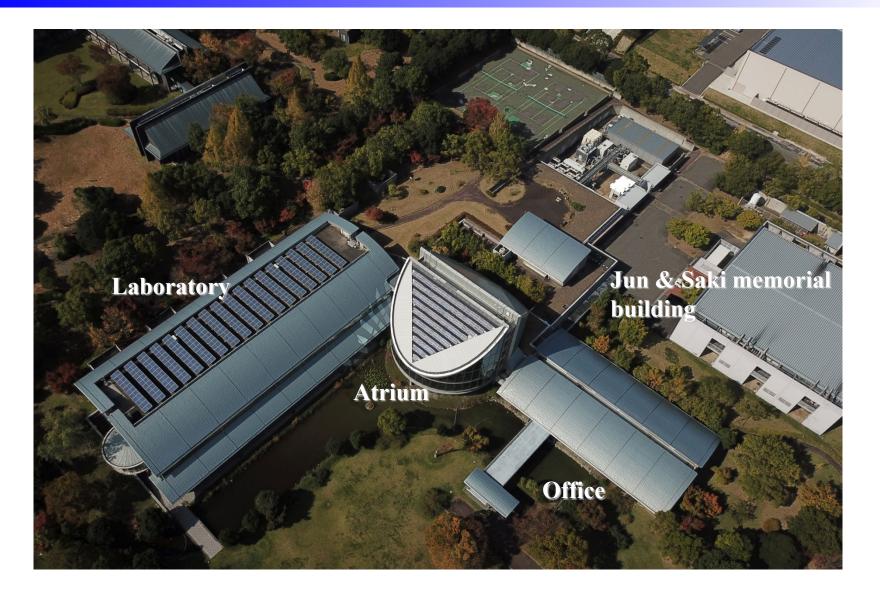
Location : Kansai Science City

Staffs : 173 (August 2021)

Annual budget : Approx. 3.1 billion JPY (28M US\$) (105 JPY/US\$) Tokvo

Headquarters







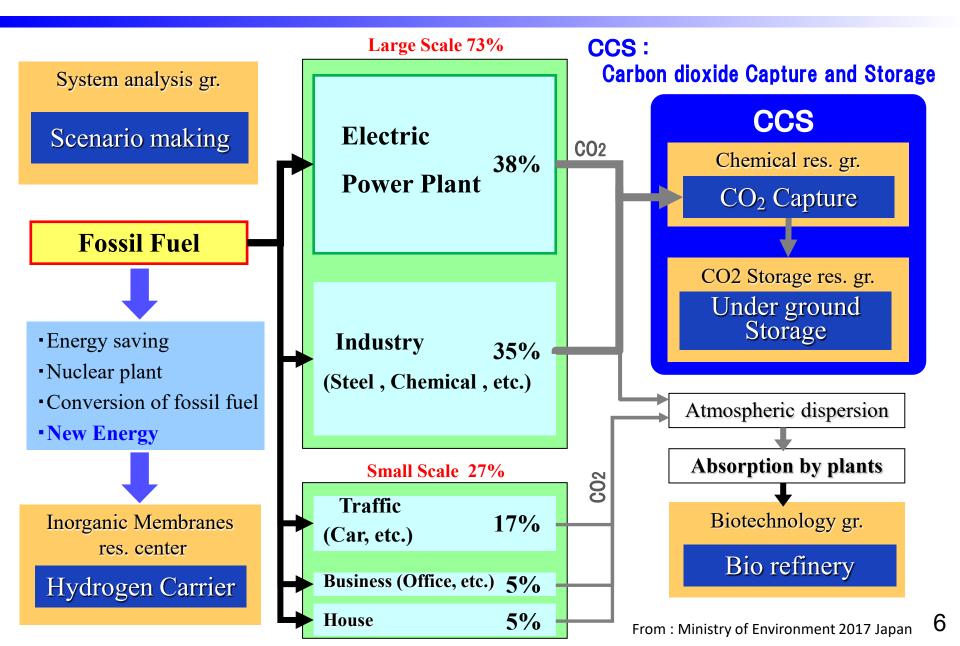
Focuses of RITE Activities

Development of CO₂ Capture & Storage Technologies Development of Innovative Technologies based on Inorganic Membranes

Development of Bio refinery Technologies Research on Strategies to Respond to Global Warming

Our Projects to Reduce CO₂ emission

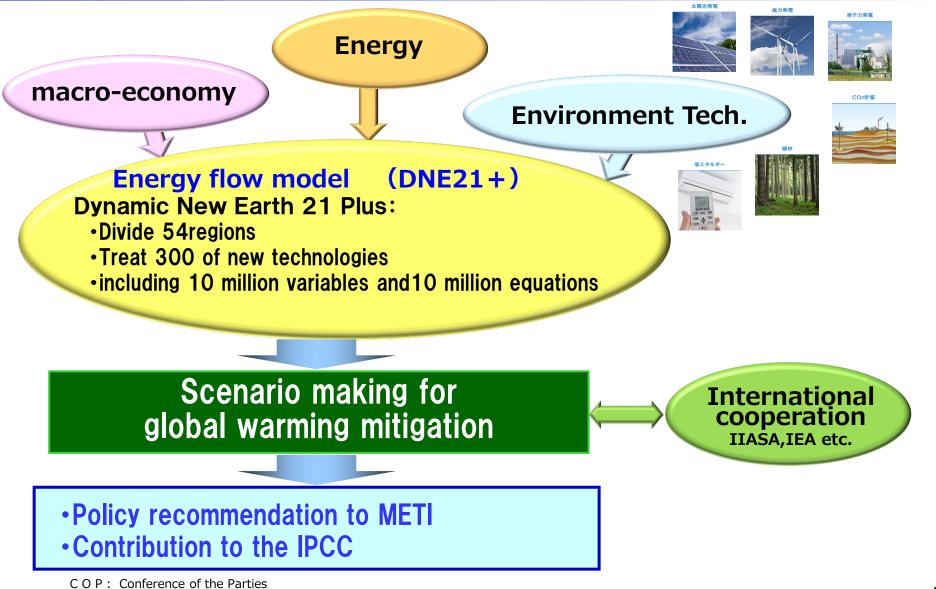






Policy analysis for GHG emission



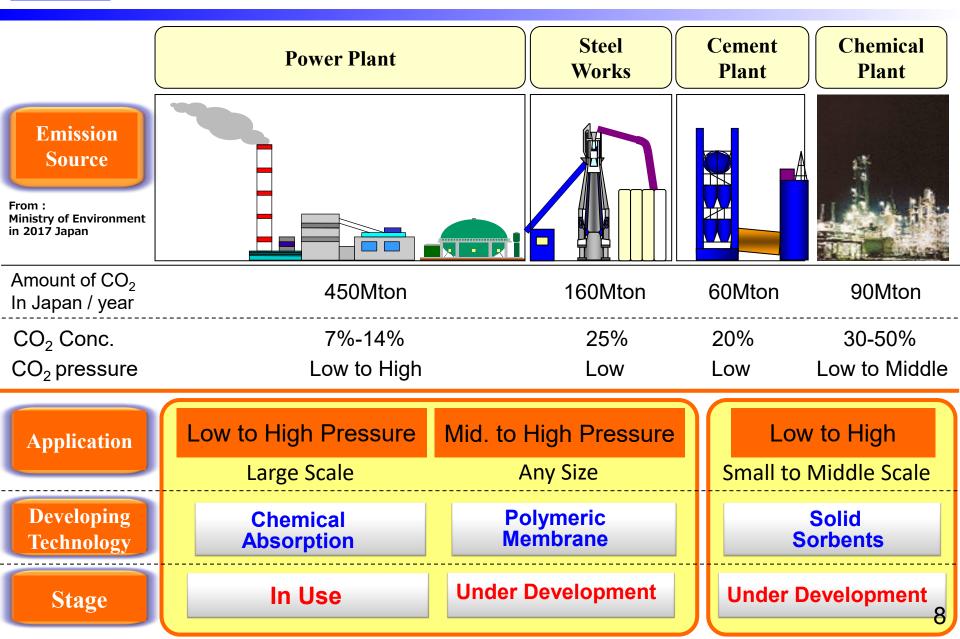


IPCC : Intergovernmental Panel on Climate Change

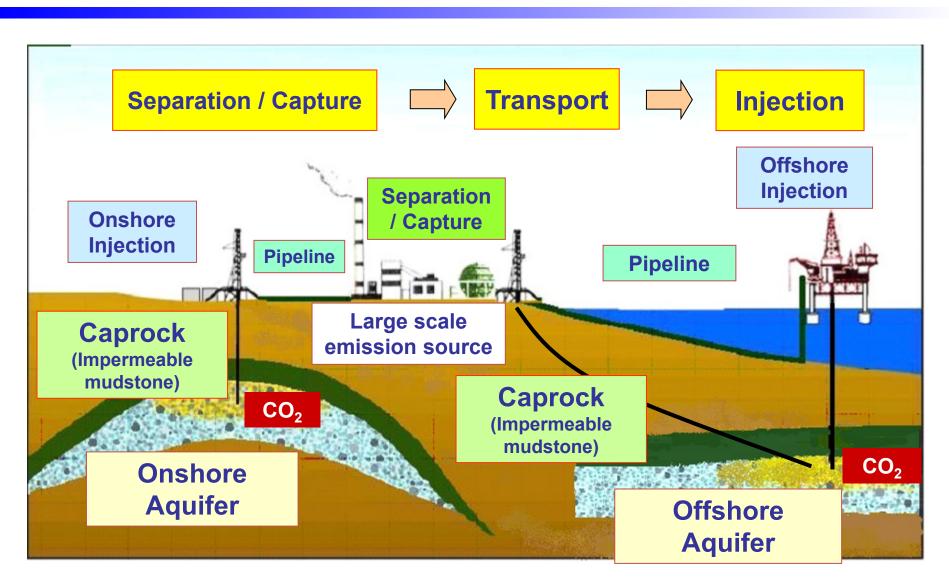


CO₂ Separation and Capture





CCS: Carbon Dioxide Capture and Storage

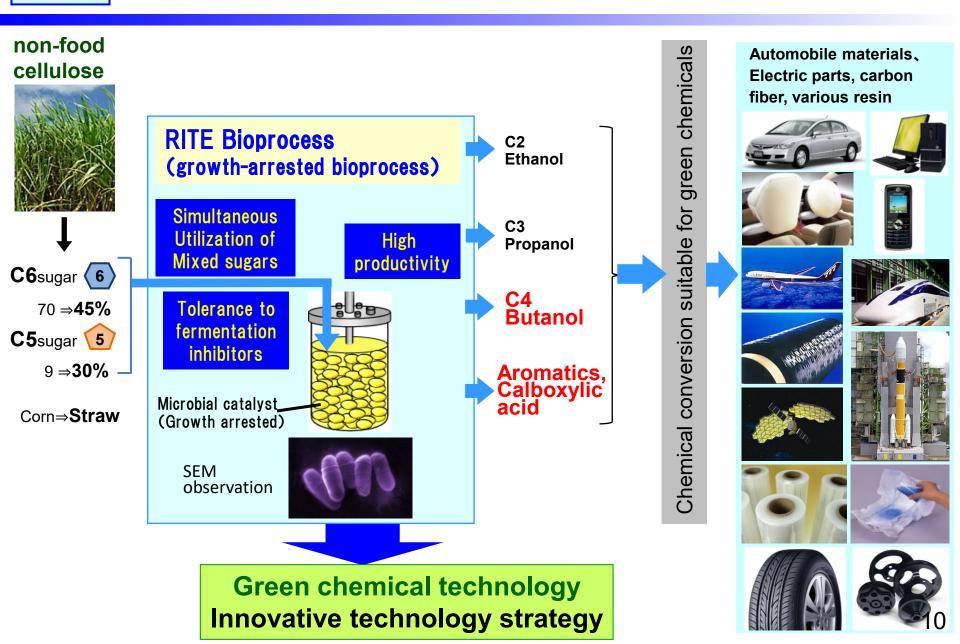




Biotech

Bio Refinery





International Cooperation





Lawrence Berkeley National Laboratory (LBNL)

Research collaboration on monitoring technology by optical fiber

The National Renewable Energy Laboratory (NREL)

Research collaboration on bio-butanol and bio-hydrogen

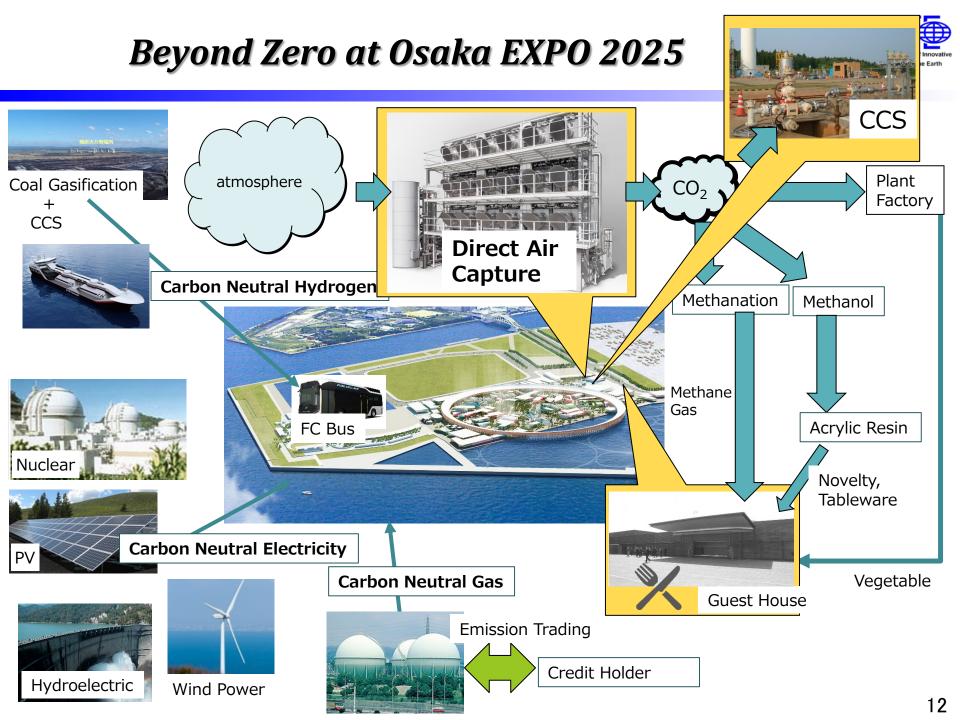
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National Center for Scientific Research (CNRS)

Research collaboration on bio-hydrogen



- International Institute for Applied System Analysis (IIASA)
- •Standardization of CCS (ISO/TC265)
- •Intergovernmental Panel on Climate Change (IPCC) Support Japanese government



Management Team





President Prof. Kenji Yamaji



Deputy Director-General Yoshiaki Sugitani



Group Leader Dr. Masayuki Inui



Group Leader Prof. Shin-ichi Nakao



Senior Managing Director Takashi Honjo



Group Leader Isamu Yagyu



Managing Director Yutaka Kawakami



Group Leader Dr. Keigo Akimoto



Advisor Prof. Yoichi Kaya



Group Leader Dr. Ziqiu Xue

Thank you for your attention

Takashi Honjo Senior Managing Director

Research Institute

of Innovative Technology for the Earth