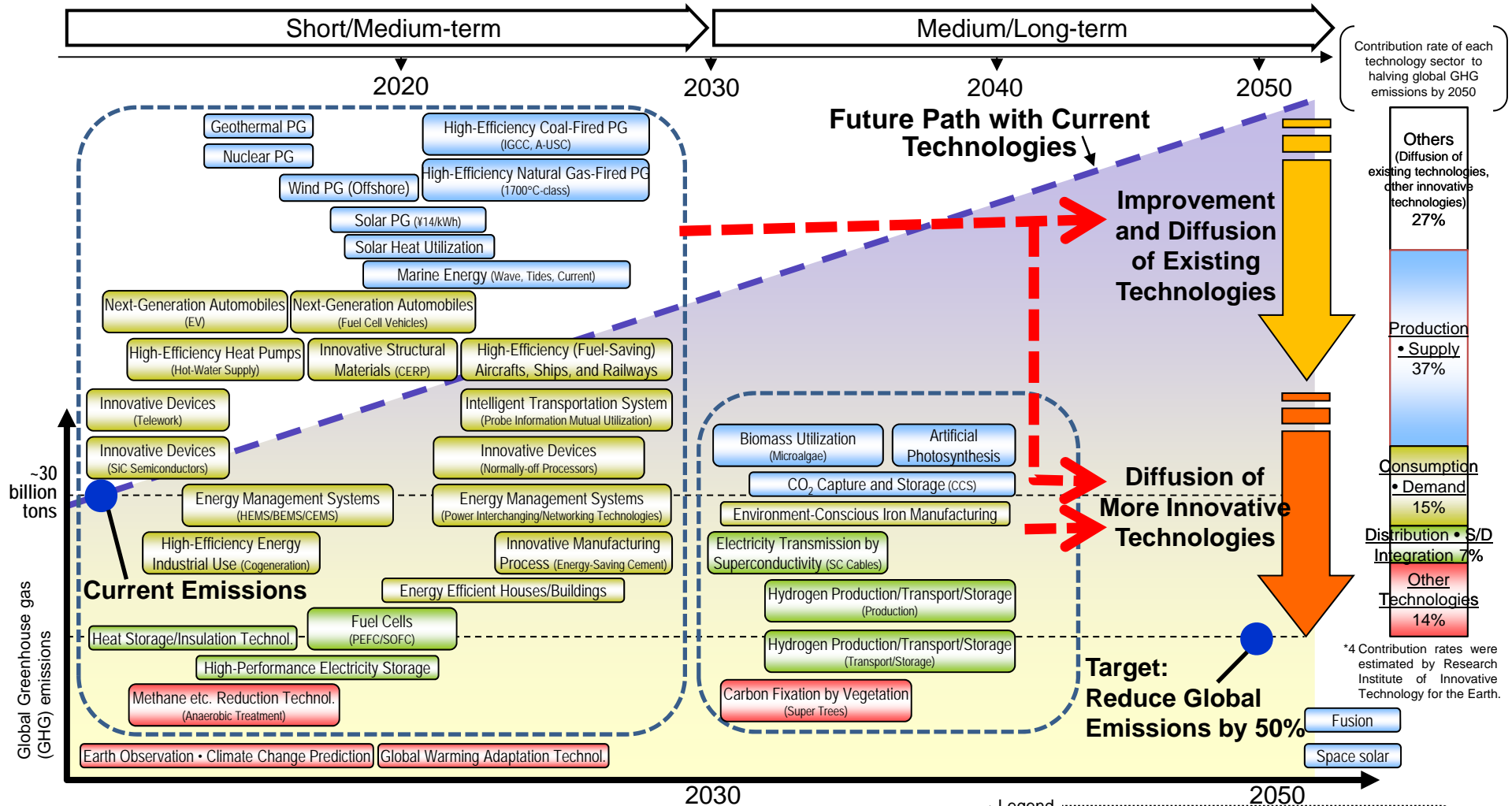


Global Contribution of Japan's Environmental and Energy Technologies

Japan will continue to develop advanced environmental and energy technologies in the short/medium-term to medium/long-term, and will contribute to halving global greenhouse gas emissions by 2050 through global diffusion of such technologies. It is necessary to promote developing more innovative technologies over a medium-to-long-term, due to difficulties in achieving this emission reduction target by improvement and diffusion of existing technologies.



*1 The horizontal position of environmental and energy technologies indicates approximate time of practical diffusion based on the roadmap of each technology.
 *2 "Future path with current technologies" indicates approximate transition of global GHG emissions assuming no change in efficiencies for existing technologies (e.g., generating efficiency of coal-fired generation)
 *3 The downward arrows for "Improvement and diffusion of existing technologies" and "Diffusion of innovative technologies" indicate both contributions are required to reduce global GHG emissions; they do not specify the amount of reduction by each contribution.

Legend

- Production • Supply
- Consumption • Demand
- Distribution • S/D Integration
- Other Technologies

*1 Center of bars indicates approximate time of practical diffusion.
 *2 Parentheses show technology examples. Refer to the full text for details.