Proposal of adaptation measures for the anthropogenic heat release to improve the summer heat environment in a district

*Toru Sugiyama¹, Xiaoran Tong², Satoshi Yoshida², Satoru Sadohara²

1. Japan Agency for Marine-Earth Science and Technology Center for Earth Information Science and Technology, 2. Yokohama National Univercity Institute of Urban Innovation

As release technique of the anthropogenic exhaust heat, we propose following cases to produce comfortable districts in the forthcoming climate change era. We have performed numerical simulations to compare the thermal conditions quantitatively.

Keywords: Thermal environment, Numerical simulations, Anthropogenic heat, Energy local production for local consumption, Earth Simulator, MSSG model