

Interdisciplinary and industry–academia collaboration research for resilient society in the Tokyo metropolitan area, DEKATSU Activity

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In 2007, we initiated a 5-year-research project named the “Tokyo Metropolitan Resilience Project.” This project is intended to improve the resilience to natural disasters, particularly earthquakes, in the Tokyo metropolitan area. For this purpose, we have organized multi-disciplinary research including social sciences, natural sciences such as seismology, and civil engineering, with a focus on earthquake engineering. In addition, we facilitate mutual communication between industry and academia. We established the “Data Use and Application Council for Resilience” (Japanese abbreviation: DEKATSU) to organize private and public stakeholders. The DEKATSU council consists of four sectors: industry, government, NPO/NGOs, and academia. To date, 73 organizational members and 15 personal members have joined, and the targeted idea is becoming accepted but not fully implemented in society. We have organized seven thematic panels to discuss specific problems in-depth by organizing closed meetings of the DEKATSU member companies and academic researchers. We need a long-term collaboration system for creating shared values in society for social resilience to disasters.

Keywords: Disaster Resilience, integrated multi-disciplinary research, Data Use and Application Council for Resilience (“DEKATSU”), Industry-Government-Academia-Private Linkage, Tokyo Metropolitan area