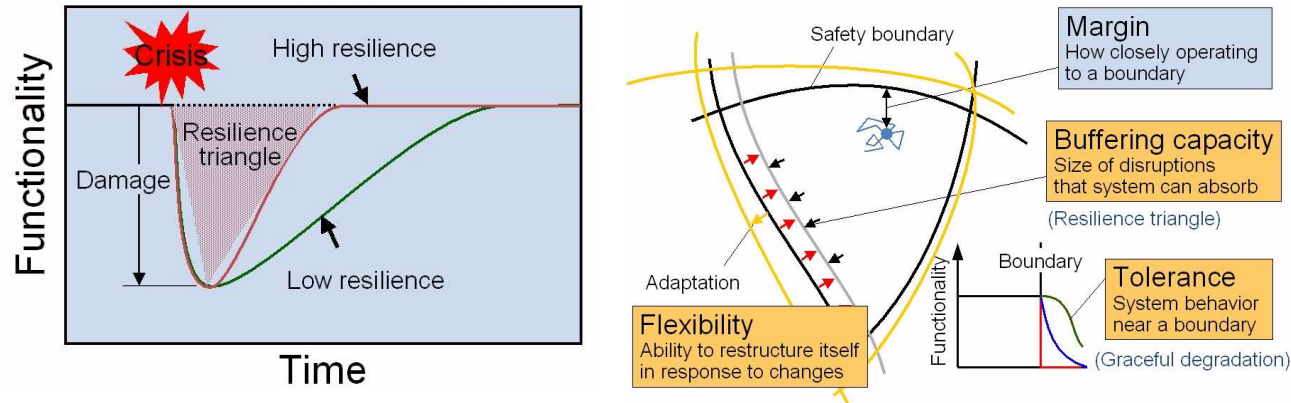
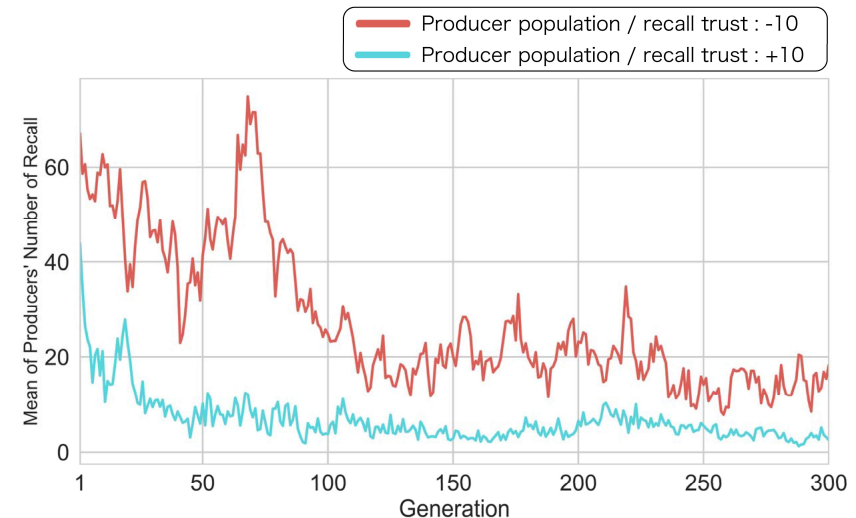
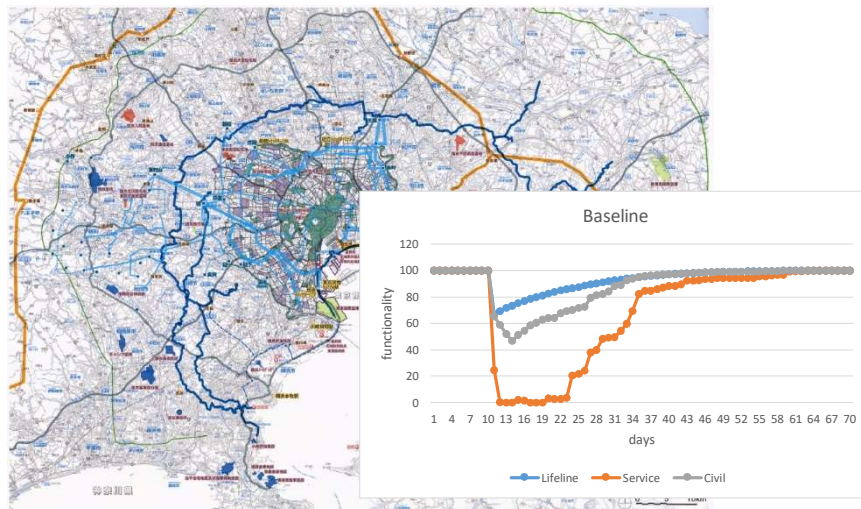


Resilience Engineering Lab. (Furuta Lab.)



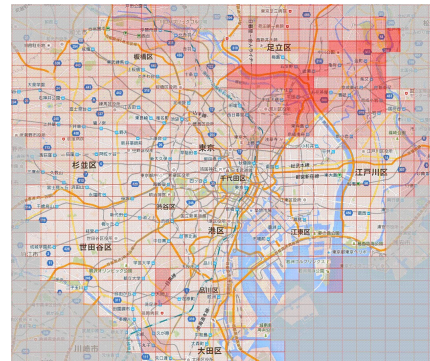
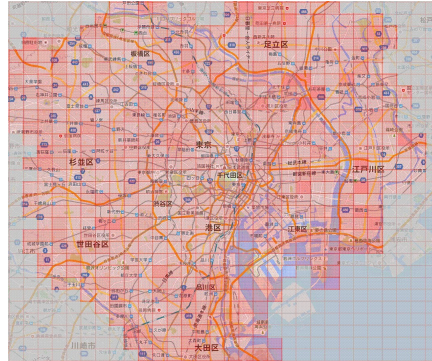
Prof. K. Furuta

Risk and crisis management of Society and business

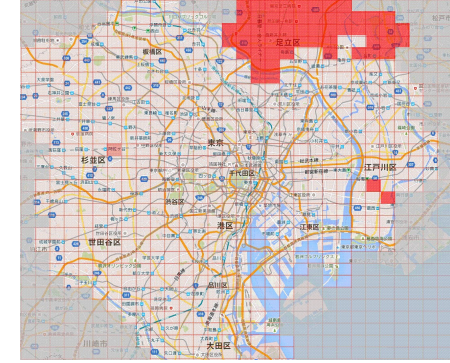
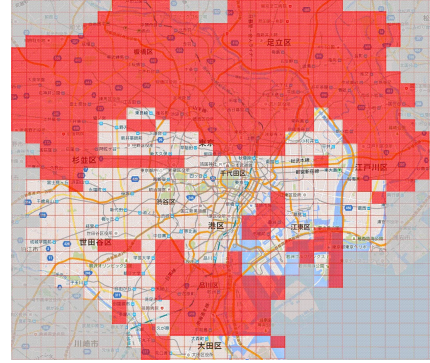
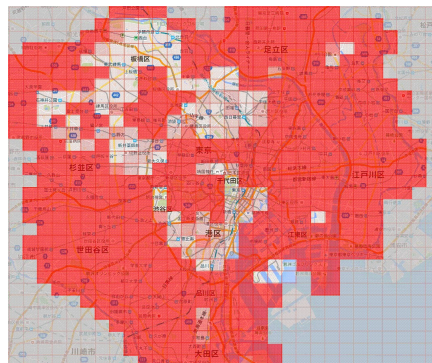


Resilience analysis of critical infrastructure in Tokyo

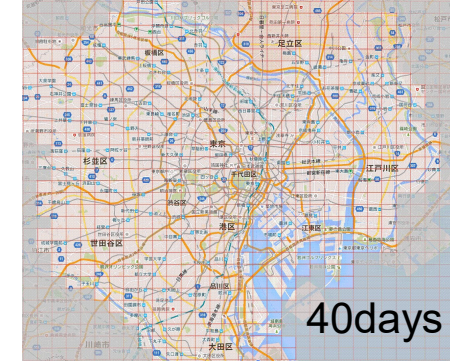
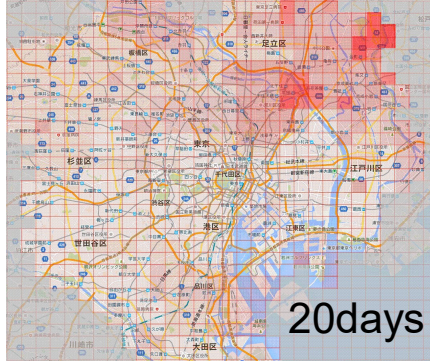
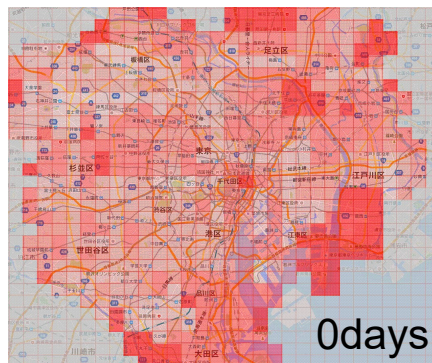
Civil life



Service



Lifeline



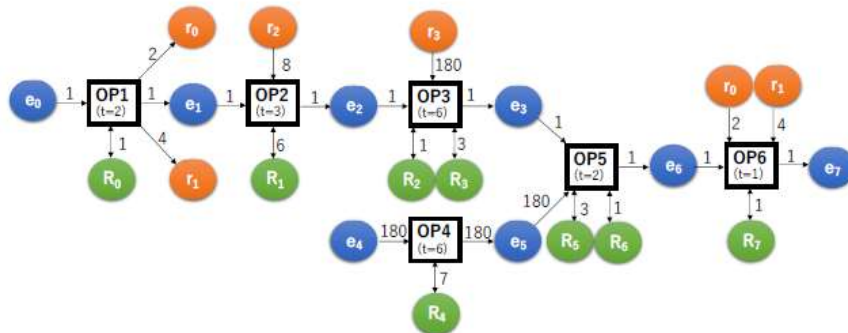
0days

20days

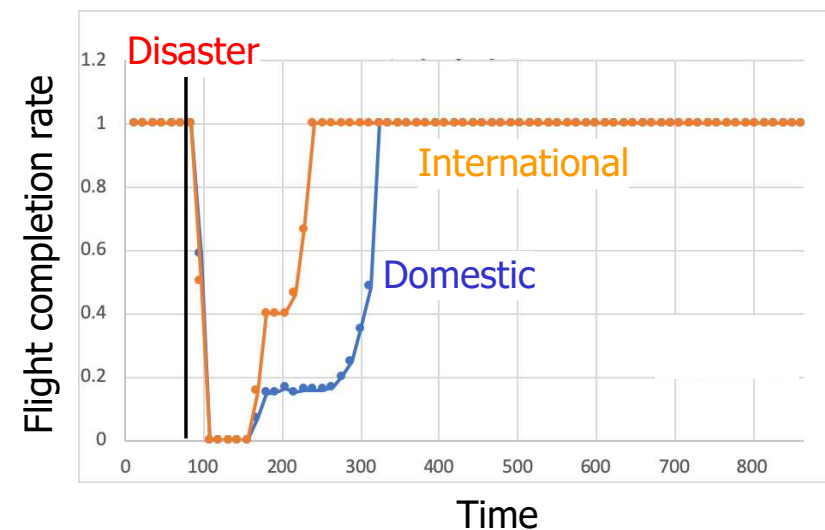
40days

Business continuity management of Haneda

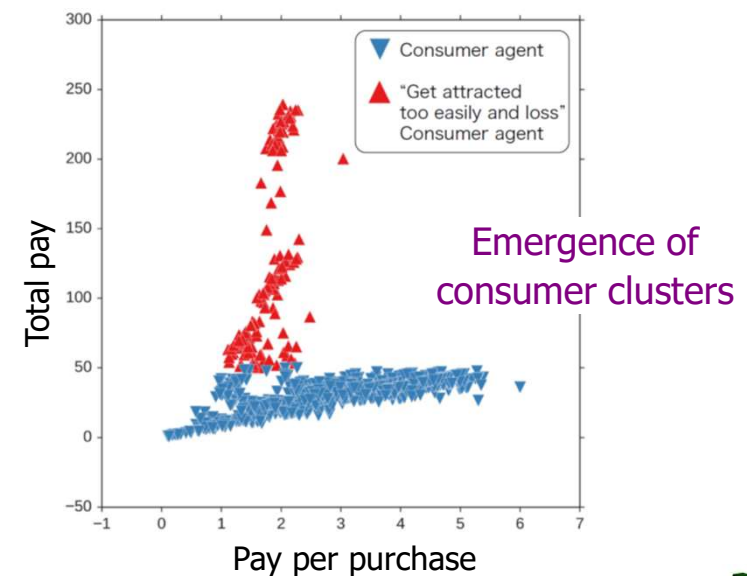
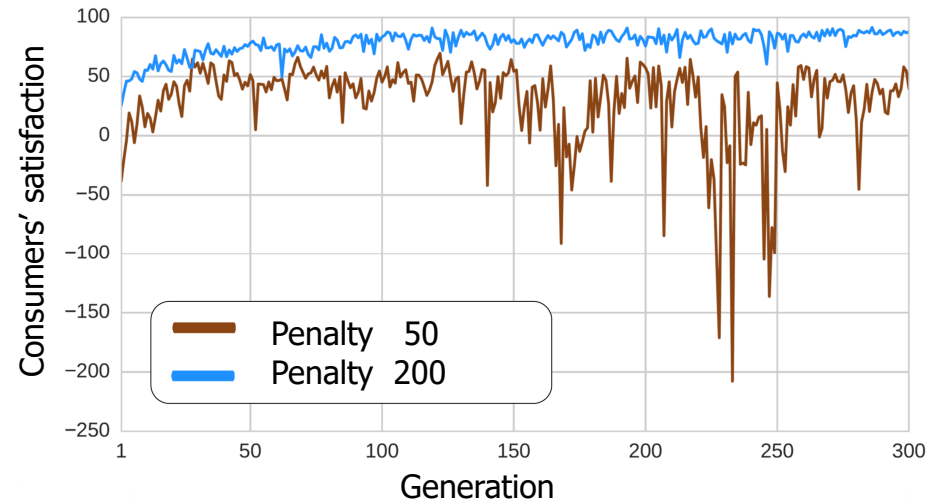
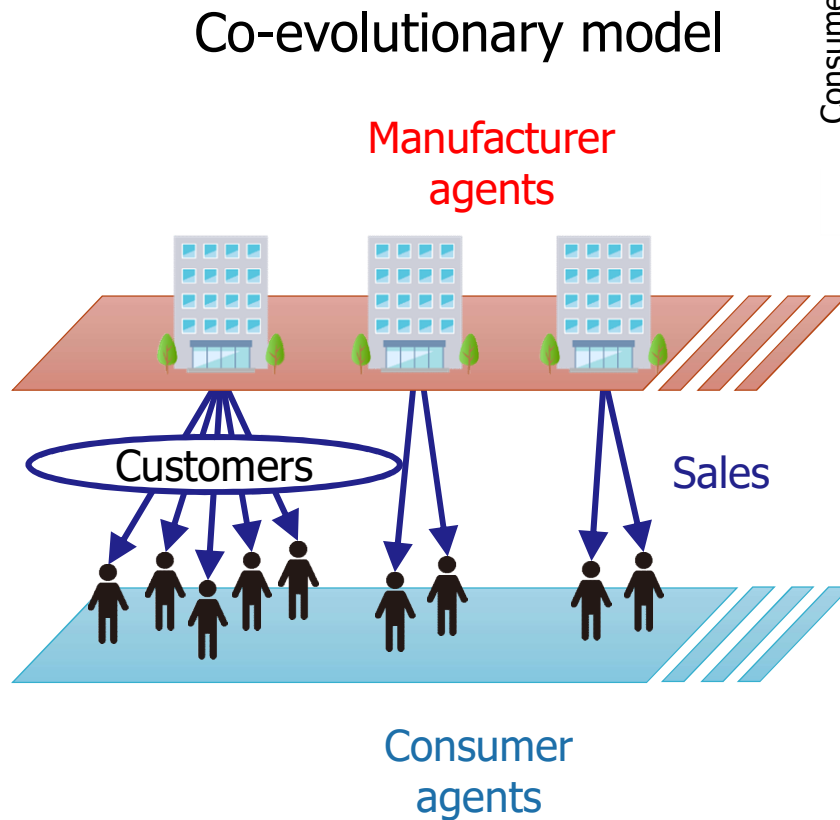
- Recovery of Haneda airport after disaster
 - Critical infrastructure for Tokyo
 - Vulnerability due to concentration
 - Key facility for disaster response
 - How can we make it more resilient?



Process model of flight operation



Social simulation for designing products recall system



Social simulation for mitigating panic buying

- Panic buying in disaster
 - Worldwide phenomena
 - Coupling between consumers' behavior and supply chain
 - Collapse of supply chain
 - How can we mitigate it?

