

Title: Energy service demand in Japan's household sector

Session 9: Japan Model Analysis

Presenter: Dr. Yuko Kanamori (NIES)

There are many social changes such as population decrease, population composition change and low economic change. A bottom-up type tool to estimate energy consumption and CO2 emission under such circumstances have been developed.

In this research, 6 energy services (cooling, heating, hot water supply, cooking, lighting and others) are set and energy service demand by energy service is estimated. The estimation flow is shown in Fig. 1.

Based on the flow, I estimate energy service demand and energy consumption in 2050 using technology scenario.

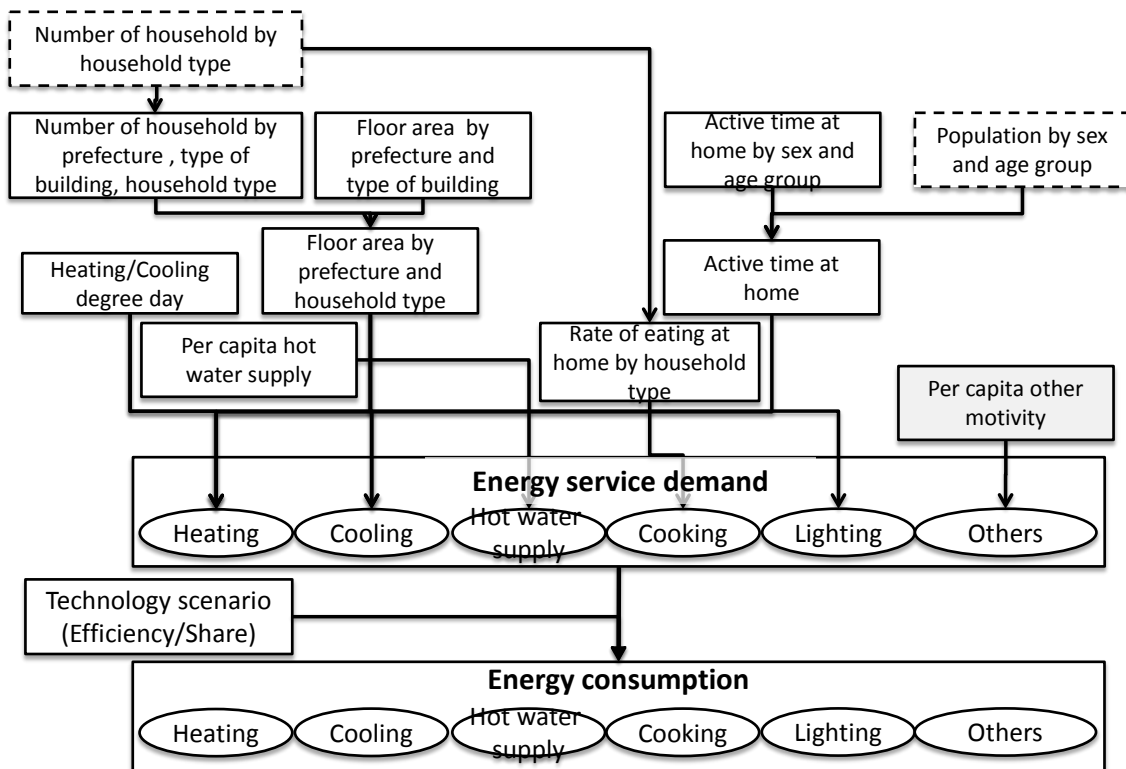


Fig.1 : Estimation flow