

ECONOMIC LOSS ASSESSMENT IN THE INDUSTRIAL SECTOR

PURPOSE of the session

- Economic losses in industrial sector depends on Hazard, Exposure and Vulnerability.
- Up to what extent do we know the vulnerability of industrial sectors?
 - Many models use ATC-13, ATC-25 results which are based on professionals opinion which may fit for US economy. However, we don't know whether it fit for the other country.
 - > Bawagan (Agriculture, Philippines), Kajitani (lifeline disruption, Japan), Ucer (Automobile industry, Turkey)

- Importance of business interruption losses rather than direct losses in stock:
 - Lifelines disruptions: Kajitani, Tsuchiya
 - Cascade effects: Tsuchiya
- How to aggregate Stock Losses and Flow Losses?
 - Industrial sectors: Tatano

- Hirokazu Tatano
Introduction
- B.J. Bawagan/E.C. Torrente
Assessing the Socio-Economic Impacts of Typhoon Haruruot, Cagayan Valley, July 2003. UNESCAP-NDCC Project
- Yoshio Kajitani
Economic Impacts on Industrial Sectors Caused by Lifeline System Failures
- Satoshi Tsuchiya
Economic Impact Assessment of an Earthquake: Lifeline Disruption and Its Recovery
- Ozgur Ucer
A Study on the Earthquake Risks Associated with the Automotive Industry in the Marmara Region
- Hirokazu Tatano
How to avoid double counting economic losses of disaster?