The Second Global Summit of Research Institutes for Disaster Risk Reduction :

Development of a Research Road Map for the Next Decade

Organizer: Kyoto University Co-Organizer: Disaster Prevention Research Institute, Kyoto University Natural Disaster Research Council, Japan



International Study for Disaster Risk Reduction and Resilience

-towards integrating disaster risk reduction and sustainable development-

Toshio Koike Professor, The University of Tokyo

Director, International Centre for Water Hazard and Risk Management (ICHARM)









Science and Technology inter-disciplinary & trans-disciplinary





Data

System for Inter-linkage



Data

System for Inter-linkage





Real Demonstrated Performance doing useful Science



Data Integration and Analysis System

a legacy for Japan's contributions to GEOSS

To create knowledge enabling us to reduce disaster risk, solve the Earth environment problems, and generate socioeconomic benefits.





Data

System for Inter-linkage

Water is a Key bridging between climate processes and societal benefits.









Integration of River-Sewage-Public Health in Hue, Viet Nam





Water-Climate-Agriculture Workbench in Cambodia





How much investment for disaster damage reduction?

(Catchment-based Macro scale Floodplain model, Yamazaki, 2012)



(Disaster Risk Reduction investment Accounts for Development, Yokomatsu, 2013)

Effects of Construction of LEVEE as Disaster Prevention on Economy and Society





Impact on Economic Growth (GDP)



Impact on Social Equality (Gini Coefficient)





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