DEVELOPING A PLATFORM FOR DISASTER RISK REDUCTION TECHNOLOGY DEALINGS

Lee, Young-Jai

Organization(s): Dongguk University, Korea, Republic of (South Korea)

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Abstract

This paper introduces a technology platform for the global network on climate adaptation change and disaster risk reduction (CCA/DRR). The platform defines a foundation that provides various products or services. The objective of this platform is to allow business between customers and suppliers on DRR technology.

The platform is divided into two components, which are architecture and governance. The architecture deals with types of technology or specific models with data, and is composed of a key mechanism, interface, and complements. The governance deals with who participates in the platform. Thus, the governance focuses on appropriate incentives for customers and suppliers as well as platform management.

This paper develops the platform on DRR technology dealings then builds the strategy of the platform operation. This strategy illustrates how the plan will be executed. DRR technology consists of monitoring, vigilance, forecasting, and warning technologies as well as DRR models. These technologies will be dealt in commerce between customers such as the UNDP, GFDRR, ESCAP, and ASIA-Pacific Nations and suppliers of private sectors and institutions. The platform is currently being developed based on the Korean e-Government standard framework and the supports Web and mobile service. This project is supported by the Korean NEMA and the UN ISDR North East Asia Regional Office.