Current Status and Issues in Collection and Dissemination of National R&D Reports in Korea
(Improvement through the use of the National Science and Technology Information Service)

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Introduction

- National R&D Reports
  - Report submitted as the result of a National R&D Program
- National Science and Technology Information Service (NTIS)
  - A system that collects and services National R&D program information
  - Provides information on the project(budget, date etc), participating researcher, outcome and equipment/facility
  - User group include policy makers in the government, researchers in both public and private sector, college students, and the general public

Initiative – The Problem and the Solution

- Situation before the Initiative (The Problem)
  - National R&D Reports were being collected without standardization by the 15 different ministries in charge
  - Reports were being collected in off-line publication format
  - Results of National R&D Programs were not being disseminated and shared among the research community in Korea

Initiative – The Problem and the Solution

- Key Idea behind the Initiative (Why)
  - National R&D Reports are the result of R&D activities performed through public funding
  - National R&D Report is a major infrastructure and key intellectual property required to promote the level of National Science and Technology
  - The collection and diffusion of the reports through Standardization is required

Initiative – The Problem and the Solution

- Key benefits resulting from the Initiative (The Solution)
  - National R&D Reports are collected and serviced to the public in a standardized format
  - Users can access information on the researcher in charge of the project, participating researchers, the other outcome of the project(patent, SW etc) as well as the R&D report article itself
  - Researchers can refer to the results of similar research and expand on such results to make further progress themselves

National R&D Reports Management System

- A system build to collect and manage National R&D Reports

- KISTI is designated as the institute in charge of collecting and managing national R&D reports by the Korean government

- National R&D Reports registered through the system are mapped with the National R&D project information on NTIS to provide a one-stop service to users

Obstacles

- Rules and Regulations
  - Ambiguity
    - Does not specifically designates the priorities and process for the submission of the R&D Reports
  - Close up of Information
    - About 60.1% of all the National R&D Reports are not open to the public
  - Distributed System
    - Multiple number of institutes are designated to collect and manage R&D Reports according to their ministry in charge

Obstacles

- Information Dissemination System
  - Passive Collection System
    - Only collects R&D Reports submitted voluntarily on-line by the researchers or through delivery of books
  - Unfriendly User Interface
    - Users have a hard time going through the on-line process for registering their R&D reports

Improvements through NTIS

- Make efforts to enhance the Process for collecting National R&D Reports
  - Centralized Collection System
    - Designate KISTI as the main institute in charge of collection and management of R&D Reports
  - Consistency in Rules and Regulations
    - Standardize the process for submitting R&D Reports throughout the ministries
  - Promote Openness of Information
    - Openness of Information promotes effectiveness of Government

Improvements through NTIS

- Improvement of the National R&D Report Management System
  - Responsiveness to User Requirements
    - Survey users on the difficulties in using the system for easier access and registration process
  - Divide and Conquer
    - Minimize the functions provided by the service through eliminating additional services and concentrate on the collection and management of the information