

**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)**

Jae-Soo Kim, Hee-Yoon Choi, Inseok Song,
Kiseok Choi and Sung-Jin Jhun

Knowledge Information Center
Korea Institute of Science and Technology Information
(KISTI)

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 designate 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