

Session 3: Discussion session

Finding Emerging Techniques among various R&D sources in Korea

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Background and Purpose



Background

- Enhanced Utilization of BREF Needed for Improving the Technological Capacity of the Integrated Environmental Management System
- Exploring Emerging Techniques and Expanding BAT

Purpose

- Understanding a variety of R&D projects sources in Korea
- Introducing better ways to find Emerging Techniques in K-BREF

Source 1: National Science & Technology Information Service (NTIS)



Authourization: Ministry of Science and ICT

- Sharing and Utilizing National R&D Project-Related Information
- Registration and Ownership of Environmental R&D Projects by the **Ministry of Environment**, Academies, and KEITI

(Pros) Searching massive porojects in various government R&D(Cons) Hard to find appropriate Emerging Technique for specific sectors

- * NTIS(National Science & Technology Information Service)
- Purpose: Sharing and Utilizing National R&D Project-Related Information and Scientific Technology Data Managed by Each Ministry
- Content: National Research and Development Information Portal Providing Project, Tasks, Personnel, Facilities, Achievements, and Statistics for National Research and Development Programs Content: National Research and Development Information Portal Providing Project, Tasks, Personnel, Facilities, Achievements, and Statistics for National Research and Development Programs

Source 2: National Tech Bank(NTB)



Authourization: Ministry of Trade, Industry and Energy

- Operation of the National Technology Asset Management System for Public and Private Achievements
- Technology Holdings in 20 Fields, Including Environmental (4,914) and Chemical Processes (7,791), Totaling 178,225

(Pros) Searching massive porojects in various public and private R&D (Cons) Hard to find appropriate Emerging Technique for specific sectors

^{**} NTB(National Tech-Bank)

⁻ Purpose: Enhancing the Utilization of National Technology Assets, Promoting Industry Adoption, and Strengthening Technological Competitiveness

⁻ Scope: Establishment of the National Technology Asset Integrated Management System, Support for Commercialization of Outstanding Technologies, and Business Development Assistance"

Source 3: TWG inputs and Technique Survey by Secretariat



Application

Proposing Emerging Techniques by TWG members and K-BREF Secretariat's field survey

- Additional Evaluation of Foreign Technologies, Company-Owned Technologies, Beyond Existing System Data

(Pros) Most effective and productive to adjust specific sectors for BREFs (Cons) Limited information

Further Study: Considerations in Technology Review

Balanced Consideration of the Economic Aspects of Technology is essential

- Enhancing Incomplete Environmental Benefit Assessment (NTIS, NTB) through Expert Consultation and Foreign Resources during TWG Meetings



Thank you for your attention



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