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**Regional Network of Environmental Experts and
Organizations for the Environmental Improvement of
Busan : Busan Environmental Technology Center**

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- ◆ Busan Environmental Technology Center (BETEC) is one of 18 Regional Environmental Technology Centers in Korea
 - Established in April 2005, as the 17th Regional Environmental Technology Center
 - First Regional Environmental Technology Center established in 1998
- ◆ A Regional Environmental Technology Center is a consortium of industry, academia, government agencies, NGOs, and research institutions in a region.
- ◆ Legal basis
 - Development of and Support for Environmental Technology Act
 - Article 10 : Designation and operation of environmental technology centers to promote and support the development of environmental technologies, and to collect and disseminate information on environmental technologies



◆ Background

- Regional specific environmental issues that cannot be adequately addressed only by standardized regulations of the central government
- Need for the participation of local environmental experts in academia, research institutions, and environment industry who better understand local environments and issues
- Need to support local enterprises in dealing with environmental problems specific to their industry types in regional environmental setting

◆ Objectives of Regional Environmental Technology Centers

- Regional focal center in developing environmental technologies to solve regional specific environmental problems and collecting and sharing environmental information
- Surveys and researches on regional environments, and policy recommendations for the regional environmental management
- Environmental technology support for local enterprises
- Collection and dissemination of environmental information to raise environmental awareness of local stakeholders

Major Environmental Issues in Busan



Objectives and Roles of BETEC



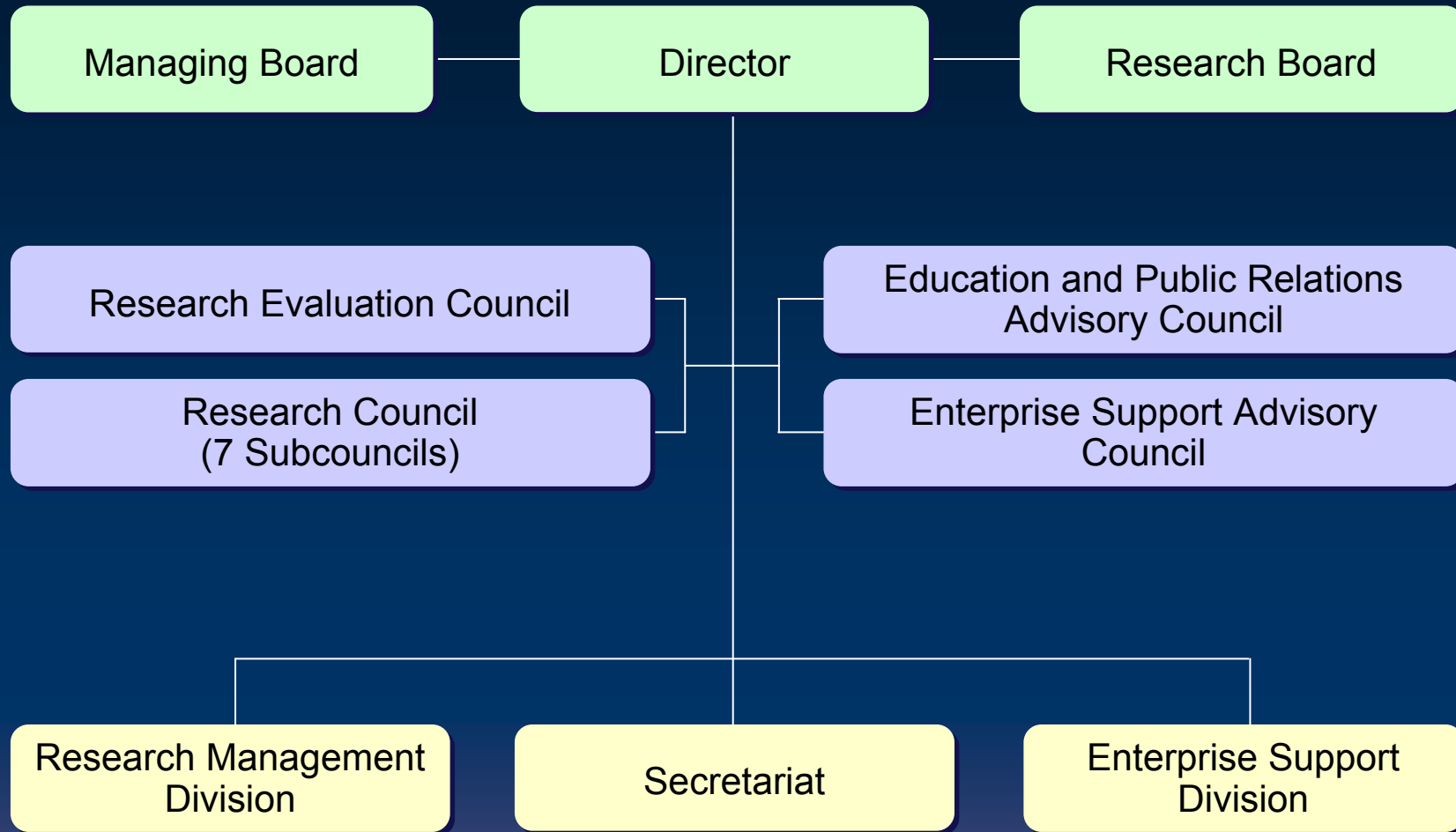
◆ Objectives

- Through the concentration and coordination of environmental research capability of the Busan region,
- Develop environmental technologies and promote environment industry with comparative advantage for the region
- To contribute to the improvement of environmental and living qualities of the Busan region

◆ Roles

- Pivotal center for regional environmental research capability
 - Collaborative and cooperative network of diverse environmental experts in universities, research institutions, NGOs, industries, and government agencies
- Leading organization in dealing with regional environmental problems
 - Environmental monitoring and surveys
 - Development of environmental technologies and policies
 - Support system to help the pollution management of local enterprises
 - Environmental information sharing
 - Environmental education and public awareness

Organization of BETEC



Participating Organizations in the Consortium of BETEC



- ◆ 11 Universities
 - Experts, Facilities, and Instruments
 - Pukyong National University as the managing organization
- ◆ 6 Research Institutions
 - Experts, Facilities, and Instruments
 - Fisheries, Environment, Ecology, Policy, River Management
- ◆ Local Enterprises
 - Application of technologies, Financial support
 - Industry polluters, Environmental enterprises
- ◆ 6 Environmental NGOs
 - Identification of current issues, Linkage between the center and general public
- ◆ 21 Government Agencies
 - Financial support, Policy implementation
 - City government, District governments, Regional Maritime and Fisheries Affairs, etc

Major Activities of BETEC



Major Activities of BETEC



◆ Center Research and Development

- Environmental surveys and impact assessments
- Investigations on causes of environmental problems and their solutions
- Support for improving environmental policies of local governments
- Consultation on pressing environmental issues
- 10 R&D projects in 2005
 - Ex) Public grievance due to bad odor from an industrial complex
 - Stakeholder meetings mediated by BETEC
 - Sharing and communication on measures independently implemented by individual agencies
 - Integration and coordination of efforts to tackle the issue



Major Activities of BETEC



◆ Commissioned Projects

- Development of technology and policy alternatives to meet the current needs of local governments and industries
- Funded by local governments and industries
- 8 commissioned projects in 2005
 - Ex) Measures to improve ocean dumping practices
 - To reduce impacts on snow crab fishery grounds
 - Investigations on sediment pollution in ocean dumping areas
 - Ocean Dumping Business Association

◆ Cooperative Research & Development

- Industry, academia, and research institutions
- Improvement of environmental technologies developed by enterprises
- Development of new technologies
- Support for application and commercialization of existing technologies
- 3 cooperative R&D projects in 2005
 - Ex) Environmental monitoring system for subway stations
 - Developed by a university team & an environmental enterprise
 - Under test running in cooperation with Busan Transportation Cooperation

Major Activities of BETEC



- ◆ Support for the enterprise pollution management
 - Pool of 143 experts from academia, research institutions, environment industry
 - Consultation on the pollution management of local enterprises
 - Guidance on the operation and management of environmental facilities
 - Information collection on enterprise pollution management practices and database construction
 - Pollution management manuals by industry types
 - 14 consultations on air, water, waste, and others in 2005

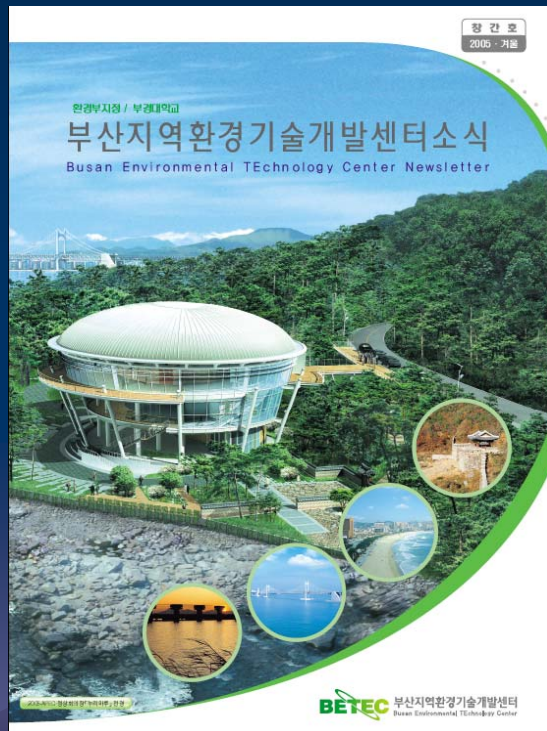


Major Activities of BETEC



◆ Education and Public Awareness

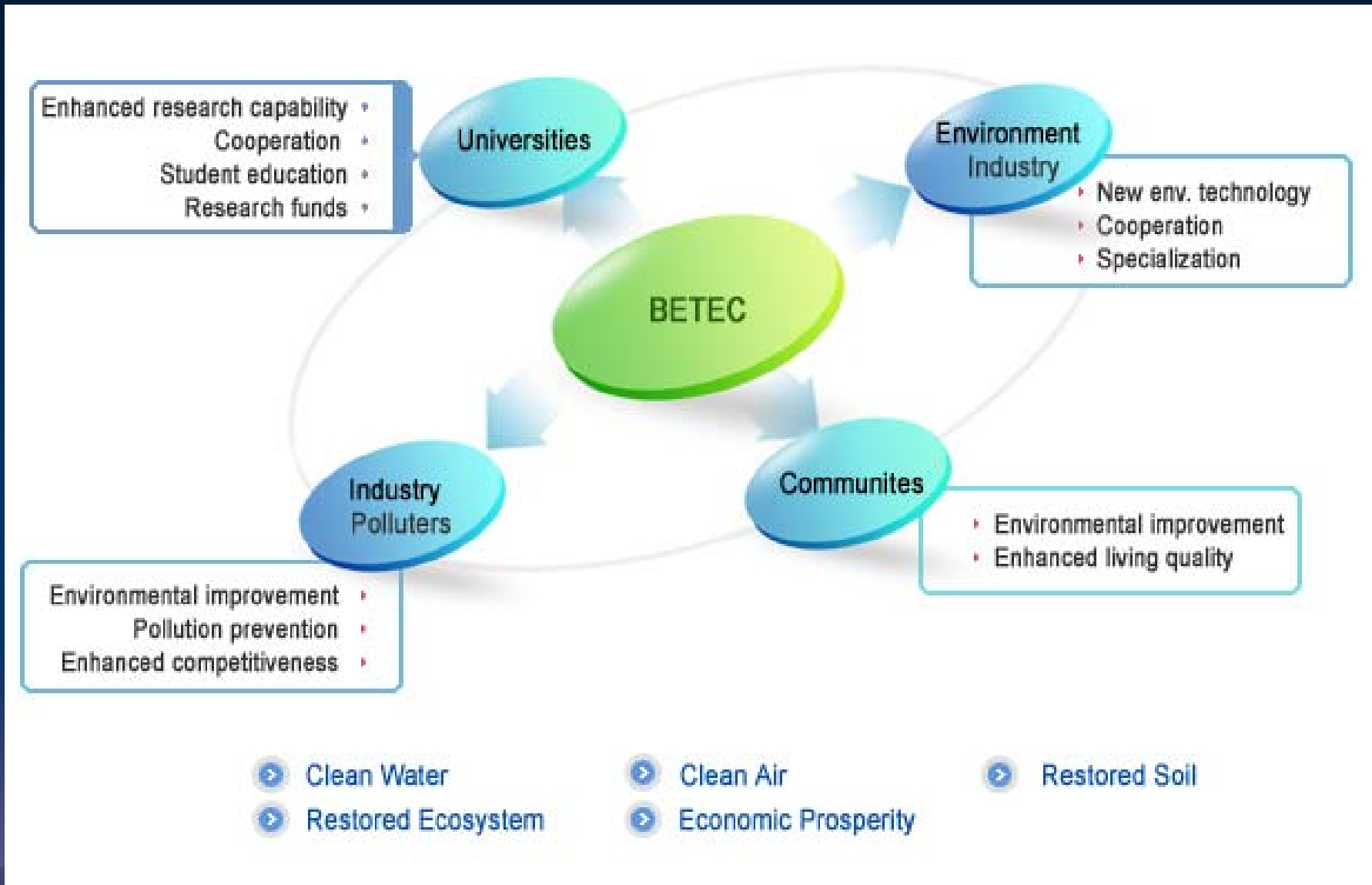
- Environmental education for students (elementary, middle, and high schools)
- Education and training programs for environmental managers in enterprises
- Seminars, workshops, and symposiums
- Newsletter, education materials, pamphlets, leaflets, etc
- 21 activities in 2005



Expected Outcome of BETEC's Activities



◆ Maximization of outcomes through networking of specialization



A panoramic view of a city and a large reservoir from a high vantage point, with the text "Thank You for Your Listening!" overlaid in the center. The foreground shows a grassy hillside with some rocks. The middle ground features a large reservoir with a bridge crossing it, and a city with various buildings and structures. The background consists of rolling hills and mountains under a clear blue sky.

Thank You for Your Listening!