

## **A Development Plan for Inter-regional Environmental Policy in Case of Suwon City and Nearby Municipalities**

The Suwon city and nearby four municipalities including Hwaseong, Ansan, Uiwang and Siheung have a population of 3.45 million people, and the necessity of solving environmental problems through joint cooperation is increasing due to the increase in development and environmental demand. Currently, five cities have large and small inter-regional environmental conflicts, and the need for inter-regional environmental administration is emerging to solve these problems. In particular, air pollution, PM10 management conflicts, odor problems, management conflicts between upstream and downstream regions, cooperative problems due to deterioration of the ecological belt, and living environment complaints in neighboring areas due to various developments need to be resolved through cooperation among local governments.

Most residents of the Suwon city and nearby four municipalities agree on the need for inter-regional environmental administration to improve their quality of life and enhance their urban competitiveness. This study suggests findings and cooperation of inter-regional environmental problems centering on air, water, waste, and natural ecology.

In the case of the atmospheric sector, the cases and issues of inter-regional environmental administration related to environmental damage due to the development of industrial complexes and housing sites, selection of the location of the environmental infrastructure, and management of the air emission plant were highlighted. As a cooperative alternative, the PM10 NGO network and the road pollution source solution was proposed. In the area of water and water ecology, the issues related to water source protection zone conflict, river water quality management upstream and downstream conflict such as Hwanggu stream, lake management conflict such as Wangsong Lake, and location of public sewage treatment facility appeared. As a result, it proposed concrete measures for mutual improvement of the lake and streams, and suggested joint management plans for watershed units. In the case of waste, issues of conflict over the location of environmental infrastructure such as

food resource recycling facilities and resource recycling complexes and waste treatment methods were analyzed as inter-regional environmental problems. To this end, we proposed a joint cooperation plan for the operation of consultation structure, conservation of environmental damage and economic support. In the case of the management of natural ecosystem, we analyzed the cooperative measures related to prevention of damage to Gwanggyosan and Chilbosan. Major cooperation measures were proposed, including the formation of a consultative body, coordination of guidelines on ecological belt, joint biodiversity survey, expansion of protected areas at the Gyeonggi-do level, and the preparation of urban biotop maps.

It is important to play a role of coordinator as a superior organization through financial support, such as contribution of regional environmental administration activation fund, and various laws and institutions of central and Gyeonggi-do as a role plan of Gyeonggi-do, a higher local government.

The strategies to develop inter-regional environmental administration in the Suwon city and nearby four municipalities are as follows: 1) promoting joint investigation and data sharing, 2) revitalizing inter-regional environmental administration council with five cities, 3) organizing and co-operating with private sectors including NGOs, 4) enacting win-win development ordinances with five cities, 5) establishing a joint fund to revitalize inter-regional environmental administration, 6) activating the inter-regional administration method such as 'entrustment' to expand of joint installation and use of environmental infrastructure, 7) systematic promotion of discovery and selection of target projects for five cities, 8) promoting information sharing and performance PR through joint seminar, and 9) promoting Gyeonggi-do's leading role in inter-regional environmental administration among five cities. 10) suggesting assistance to the central government and seeking ways to utilize the central government funds

**Keyword**

inter-regional environmental administration, inter-regional environmental policy, inter-regional administration, environmental policy, environmental cooperation