

The Fifth Periodic Report on the State of Atmospheric Environment in East Asia

Part I: Regional Assessment

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Foreword (To be drafted by Dr. Ahn as the Chairperson of SAC)

This report is the Fourth Periodic Report on the State of Acid Deposition in East Asia (PRSAD4). The EANET data of 2015-2019 is utilized for evaluating the current status and impact of the acid deposition and air pollution in the EANET region. This report also includes the long-term analysis of the temporal trend and variation, spatial distribution, and possible impact on the eco-system of acid deposition and air pollution in East Asia based on the twenty-year monitoring data from 2000 to 2019. Other national and international monitoring results were also used as references for additional assessment for interpretation of EANET data.

To evaluate scientifically the monitoring data generated, this report also highlighted the data quality assurance and quality control (QA/QC) activities designed to ensure reliable data and coordinated research activities, which were implemented jointly by the EANET community. This report also includes recommendations for future EANET activities based on the results of EANET activities and relevant studies of atmospheric environment assessment in the region.

The commitment and contributions from the Lead Authors under the guidance of the Drafting Committee for PRSAD4 of the Scientific Advisory Committee (SAC) are gratefully acknowledged. I would also like to thank the other contributors for each chapter.

The sources, processes and effects of acid deposition and air pollution are complicated, especially when interactions and controls of climate change are also taken into account. Hence, monitoring data and analysis are essential for control policymaking and scientific research. It is hoped that this Fourth Periodic Report will promote better understanding of acid deposition and air pollution in our region and contribute to the further development of EANET.

(Signature)

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