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

Part II: National Assessment

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Preface

This report is the National Assessment, Part II of Fifth Periodic Report on the State of Atmospheric Environment in East Asia (PRSAE5). The National Assessment of PRSAE5 was prepared by each participating country according to the format for national assessment that was prepared by the Drafting Committee of the PRSAE5. At present, thirteen countries, namely Cambodia, China, Indonesia, Japan, Lao PDR, Malaysia, Mongolia, Myanmar, Philippines, Republic of Korea, Russia, Thailand, and Vietnam have participated in the EANET. Those countries have shared the progress of their national monitoring activities, including state of air pollution and atmospheric deposition in their respective countries and the national measures implemented. In this report, basic information on national monitoring activities including quality assurance and quality control (QA/QC) for monitoring data as well as state of air pollution and acid deposition are introduced and evaluated for participating countries of EANET. Monitoring data obtained by the EANET activities in each participating country in 2020-2024 were 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 of acid deposition and air pollution in each country based on the twenty-year monitoring data from 2000 to 2024. Additionally, other national and international monitoring results are also introduced as references for assessment to interpretate EANET activities in each participating country.

Not surprisingly, since the status of air pollution and acid deposition in individual participating countries is closely related to the status of the entire East Asian region, regular analysis of the relationship between them is important for predicting a future environmental pollution in that region. We hope that the Regional Assessment Report and National Assessment Report created this time will help you to understand the relationship between East Asian countries and the entire EANET region.