

PROJECT CONCEPT NOTE

Title of Project	<p>Proposal Number: 2023-06</p> <p>Title: The webinar workshop for capacity building on emission inventory for combustion sources</p>
Duration of Project	January/2023 – December/2023
Project Lead (PL)	Network Center for EANET, Asia Center for Air Pollution Research
Partner organizations (POs) [TBD]	<ul style="list-style-type: none"> • Japan Automobile Research Institute (Japan) • National Institute for Environmental Studies (Japan)
Implementation Agencies (IAs)	<ul style="list-style-type: none"> • Network Center for EANET, Asia Center for Air Pollution Research (Japan)
Beneficiaries of PCs	<ul style="list-style-type: none"> • Technical officers in charge of emission inventory • Policy decision makers interested in emission inventory
Relevant Type of Activities	<ul style="list-style-type: none"> • Objective 3 of Project Activities: Promotion of capacity building • Activity 6 of Core Activities: Conduct an annual assessment of the state of acid deposition using trend analysis, numerical models • Activity 12 of Core Activities: Consideration on the future development of the EANET • Objective 2 of Project Activities: Promotion of data dissemination and utilization
Relevant Scope of EANET	<ul style="list-style-type: none"> • ITEM 3 of ANNEX to the Instrument: Methodological research and capacity building of the research activities
Representative of the Project Lead /Contact Address	<ul style="list-style-type: none"> • Dr. Junichi Kurokawa, Principal Senior Researcher, the Network Center of EANET / 1182 Sowa, Nishi-ku, Niigata-shi 950-2144, JAPAN, kurokawa@acap.asia
Keywords of the project	Capacity building, Emission inventory, Primary atmospheric environment-related substances, Combustion sources
Summary of the Project	<ul style="list-style-type: none"> • This project is aiming at providing a capacity building opportunity to learn emission inventory focusing on combustion sources by holding a webinar. • Considerable target sources are power and industrial plants, road transport and residential sources.

	<ul style="list-style-type: none"> • At the webinar <ul style="list-style-type: none"> ➤ Lecture presentations for methodologies to estimate emissions from major stationary and mobile combustion sources are provided from experts of emission inventory. ➤ Participants can have time to ask questions to the lectures. ➤ One representative participant of each PC is requested to make a presentation about status and control measures of emissions from major combustion sources of own country. • With discussion followed by the presentations, related information is shared among PCs. • Expected participants are technical officers and policy decision makers who are in charge of or interested in developing a national emission inventory.
<p>Background and Rationale</p>	<ul style="list-style-type: none"> • Emission inventory is a powerful and essential tool for <ul style="list-style-type: none"> ➤ understanding current status of emissions of air pollutants ➤ considering effectiveness of mitigation measures • Development of emission inventory is not easy task. <ul style="list-style-type: none"> ➤ Methodologies to estimate emissions are complicated. ➤ Variety of necessary data and information must be considered. ➤ Structures of emissions differ country to county. • It is a necessary role for EANET to provide opportunities of capacity development for developing a national emission inventory
<p>Objectives</p>	<ul style="list-style-type: none"> • Understanding roles of emission inventory in air quality management • Learning basic methodologies to estimate emissions from major stationary and mobile combustion sources • Information sharing of status and control measures of emissions from major combustion sources in PCs that will promote consideration and updates of policies for mitigation of air pollutions related to participants
<p>Activities to achieve Objectives</p>	<ul style="list-style-type: none"> • Holding the emission inventory webinar focusing on combustion sources • Lecture presentations from experts of emission inventories including Q & A at the webinar for major combustion sources such as power and industrial plants, road transport, and residential sources • Presentations from one representative participant from each PC at the webinar and following discussions on status and control measures of emissions from major combustion sources of own country
<p>Links and relevance to existing policy</p>	<ul style="list-style-type: none"> • Information from a national emission inventory is helpful for <ul style="list-style-type: none"> ➤ evaluating current status of major emission sources

<p>process of the target areas and regional activities</p>	<ul style="list-style-type: none"> ➤ considering policies for mitigation of atmospheric environmental problems and effective control measures
<p>Expected Outputs</p>	<ul style="list-style-type: none"> • Persons who understand roles of emission inventory and basic knowledges necessary to estimate emissions from combustion sources • Presentation materials for methodologies to develop emission inventories of major combustion sources provided by lectures of the webinar • Presentation materials for summarizing status and control measures of emissions from combustion sources in PCs provided by presenters at the webinar
<p>Expected Outcome</p>	<ul style="list-style-type: none"> • Importance of a national emission inventory will be recognized in each country and discussions on developing an official national emission inventory will be promoted. • Information exchanges for development of national emission inventories will be promoted among PCs and establishment of related community will be considered. • Consideration and updates of policies for emission control measures will be promoted based on outputs and information from this webinar workshop and a developed national emission inventory.