

## PROJECT PLAN

### I. General Information

<b>Title of Project</b>	Proposal Number: 2023-06  Title: The webinar workshop for capacity building on emission inventory for combustion sources			
<b>Duration of Project</b>	January/2023 – December/2023			
<b>Project Lead (PL)</b>	Network Center for EANET, Asia Center for Air Pollution Research			
<b>Partner organizations (POs)</b>	<ul style="list-style-type: none"> <li>• Japan Automobile Research Institute (JARI) (Japan)</li> <li>• National Institute for Environmental Studies (NIES) (Japan)</li> </ul>			
<b>Implementation Agencies (IAs)</b>	<ul style="list-style-type: none"> <li>• Network Center for EANET, Asia Center for Air Pollution Research (NC/ACAP) (Japan)</li> </ul>			
<b>Beneficiaries of PCs</b>	<ul style="list-style-type: none"> <li>• Technical officers in charge of emission inventory</li> <li>• Policy decision makers interested in emission inventory</li> </ul>			
<b>Total Required Resources and Requested amount of Project Fund</b>	<ul style="list-style-type: none"> <li>• The total amount of required resources (USD): 12,000</li> <li>• The requested amount for EANET Project Fund (USD): 6,000</li> </ul>			
<b>JResources other than EPF from Co-financers</b>	Organization	Financial contribution (USD)	In-kind contribution (with estimated equivalent USD, if possible)	Status (Secured/under consultation etc.)
	JARI	0	Providing advices to the webinar workshop, preparation of lecture materials, and participation in the webinar workshop as a lecturer and adviser.	Under consultation
	NIES	0	Ditto	Under consultation
		6,000		
	Total	6,000		
<b>Relevant Types of Activities</b>	<ul style="list-style-type: none"> <li>• Objective 3 of Project Activities: Promotion of capacity building</li> <li>• Activity 6 of Core Activities: Conduct an annual assessment of the state of acid deposition using trend analysis, numerical models</li> <li>• Activity 12 of Core Activities: Consideration on the future development of the EANET</li> <li>• Objective 2 of Project Activities: Promotion of data dissemination and utilization</li> </ul>			
<b>Relevant Scope of EANET</b>	<ul style="list-style-type: none"> <li>• ITEM 3 of ANNEX to the Instrument: Methodological research and capacity building of the research activities</li> </ul>			
<b>Representative of the Project Lead /Contact Address</b>	<ul style="list-style-type: none"> <li>• Dr. Junichi Kurokawa, Principal Senior Researcher, NC/ACAP / 1182 Sowa, Nishi-ku, Niigata-shi 950-2144, JAPAN, kurokawa@acap.asia</li> </ul>			
<b>Project</b>	Submission Date to the EANET Secretariat			

<b>Processing Information</b>	1) Date of Register in the Project Cycle	
	2) Date of Latest Project Plan	
	3) Date of Approval	
	4) Date of Completion Report Submitted	

## II. Description of the Project

<b>Keywords of the project</b>	Capacity building, Emission inventory, Primary atmospheric environment-related substances, Combustion sources
<b>Summary of the Project</b>	<ul style="list-style-type: none"> <li>• This project is aiming at providing a capacity building opportunity to learn emission inventory focusing on combustion sources by holding a webinar workshop.</li> <li>• Considerable target sources are power and industrial plants, road transport and residential sources.</li> <li>• At the webinar workshop <ul style="list-style-type: none"> <li>➢ Lecture presentations for methodologies to estimate emissions from major stationary and mobile combustion sources are provided from experts of emission inventory.</li> <li>➢ Participants can have time to ask questions to the lectures.</li> <li>➢ 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.</li> </ul> </li> <li>• With discussion followed by the presentations, related information is shared among PCs.</li> <li>• Expected participants are technical officers and policy decision makers who are in charge of or interested in developing a national emission inventory.</li> </ul>
<b>Background and Rationale</b>	<ul style="list-style-type: none"> <li>• Emission inventory is a powerful and essential tool for <ul style="list-style-type: none"> <li>➢ understanding current status of emissions of air pollutants</li> <li>➢ considering effectiveness of mitigation measures</li> </ul> </li> <li>• Development of emission inventory is not easy task. <ul style="list-style-type: none"> <li>➢ Methodologies to estimate emissions are complicated.</li> <li>➢ Variety of necessary data and information must be considered.</li> <li>➢ Structures of emissions differ country to county.</li> </ul> </li> <li>• It is a necessary role for EANET to provide opportunities of capacity development for developing a national emission inventory.</li> </ul>
<b>Objectives</b>	<ul style="list-style-type: none"> <li>• Understanding roles of emission inventory in air quality management</li> <li>• Learning basic methodologies to estimate emissions from major stationary and mobile combustion sources</li> <li>• Information sharing of status and control measures of emissions from major combustion sources in PCs that is expected to provide references for considering and updating air pollution policies related to participants</li> </ul>
<b>Activities to achieve Objectives</b>	<ul style="list-style-type: none"> <li>• Holding the emission inventory webinar workshop focusing on combustion sources</li> <li>• Lecture presentations from experts of emission inventories including Q &amp; A at the webinar for major combustion sources such as power and industrial plants, road transport, and residential sources</li> <li>• Presentations from one representative participant from each PC at the workshop and following discussions on status and control measures of emissions from major combustion sources of own country</li> </ul>
<b>Links and relevance to existing policy process of the target areas and regional activities</b>	<ul style="list-style-type: none"> <li>• Information from a national emission inventory is helpful for <ul style="list-style-type: none"> <li>➢ evaluating current status of major emission sources</li> <li>➢ considering policies for mitigation of atmospheric environmental problems and effective control measures</li> </ul> </li> </ul>
<b>Expected Outputs</b>	<ul style="list-style-type: none"> <li>• Persons who understand roles of emission inventory and basic knowledges necessary to estimate emissions from combustion sources</li> <li>• Presentation materials for methodologies to develop emission inventories of major combustion sources provided by lectures of the webinar</li> <li>• Presentation materials for summarizing status and control measures of</li> </ul>

	emissions from combustion sources in PCs provided by presenters at the workshop.
<b>Expected Outcome</b>	<ul style="list-style-type: none"> <li>• Importance of a national emission inventory will be recognized in each country and discussions on developing an official national emission inventory will be promoted.</li> <li>• Information exchanges for development of national emission inventories will be promoted among PCs and establishment of related community will be considered.</li> <li>• 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.</li> </ul>
<b>Risks and Countermeasures</b>	<ul style="list-style-type: none"> <li>• Experts of emission inventories in the EANET region are limited. Therefore, it is planned to offer experts of global and other regional emission inventories to contribute on the webinar workshop.</li> </ul>
<b>Plan to deliver outcomes to beneficiaries</b>	<ul style="list-style-type: none"> <li>• Lecture materials and reports of the webinar workshop including results of discussions with experts will be uploaded to the EANET website for reference to technical officers and policy decision makers of EANET PCs.</li> <li>• Results of the webinar workshop will be introduced at the EANET meetings such as for SAC and Task Force.</li> </ul>
<b>Comments from PC to be considered in the implementation</b>	
<b>Responses from the Project Lead to above</b>	
<b>Comments from SEC, NC, PCs</b>	

### III. IMPLEMENTATION PLAN

#### Activities and Milestones

Name of Activities	Brief Summary of Each Activity with milestones and name of responsible IA	Implementation Period
Development of a program of the webinar workshop (WWS)	Contents of the WWS are considered by NC/ACAP with advices from POs. The program of the WWS is documented.	JAN-MAY 2023
Decision and invitation of lectures of the WWS	Based on the program, appropriate lectures are listed up by NC/ACAP taking into account the advices from POs. NC/ACAP invites selected ones to make lecture presentations at the WWS.	JAN-AUG 2023
Announcement of the WWS	The announcement of the WWS is sent to National Focal Points (NFPs), National Centers, SAC members, National QA/QC Managers of the EANET from NC/ACAP. The WWS is also announced from the EANET website.	AUG-SEP 2023
Decision and invitation of presenters from participants nominated by NFPs.	NC/ACAP asks NFPs to nominate one presenter from each PC to make a presentation about status and control measures of emissions from major combustion sources of own country. NC/ACAP supports the presenters for their preparation.	SEP-OCT 2023
Preparation and holding of the WWS.	NC/ACAP prepares the WWS including creating necessary documents to be sent to participants in advance as well as technical settings of a web meeting system. The WWS is moderated by NC/ACAP with support from POs. POs make lecture presentations, answer questions from participants, and providing comments to presentations from PCs.	OCT-NOV 2023
Creation of a report of the WWS	NC/ACAP creates a report of the WWS. POs review the report and provide comments for improvement. NC/ACAP revise the report based on the comments.	NOV 2023
Upload the lecture materials and report of WWS to the EANET	NC/ACAP uploads the lecture materials including from POs as well as the report of the WWS to the EANET website. NC/ACAP inform the website to NFPs, National	DEC 2023

website	Centers, SAC members, National QA/QC Managers of the EANET and ask them to share the website information to related institutes and persons.	
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#### IV. BUDGET PLAN

(In USD)

Name of Activities	Required Resources (financial and in-kind)	Secured Sources for Required Resources	In-balance
Development of a program of the WWS	1,800 + In-kind from POs expected (Providing advices to the program of the WWS)	Under consultation	
Decision and invitation of lectures of the WWS	1,200 +In-kind from POs expected (Providing advices about appropriate lectures for the WWS)	Under consultation	
Announcement of the WWS	900	Under consultation	
Decision and invitation of presenters from participants nominated by NFPs.	1,200	Under consultation	
Preparation and holding of the WWS.	4,800 +In-kind from POs expected (Providing lecture presentations and answering questions from participants. Providing comments to presentations from participants)	Under consultation	
Creation of a report of the WWS	1,500 +In-kind from POs expected (Providing advices for improvement of the report)	Under consultation	
Upload the lecture materials and report of WWS to the EANET website	600 +In-kind from POs expected (Providing lecture materials to be uploaded to the EANET website)	Under consultation	
Total	12,000		

*Note: For multiple-year projects, specify the total amount for entire projects and subtotal for each year*