



Malé Declaration on Control and Prevention of Air Pollution and its Likely Transboundary Effects for South Asia

**National Training on Emission Inventory
21-22 May 2012, Colombo, Sri Lanka**

Summary of the National Training (Draft)

I. Introduction and Opening Session

1. The National Training on Emission Inventory was held on 21-22 May 2012 in Colombo Sri Lanka. It was organized by the Central Environment Authority (CEA), Sri Lanka which serves as the Regional Center on Emission Inventory of the Malé Declaration on Control and Prevention of Air Pollution and its Likely Transboundary Effects for South Asia (Malé Declaration) and co-organized by the Secretariat for Malé Declaration, the United Nations Environment Programme, Regional Resource Centre for Asia and the Pacific (UNEP RRC.AP).
2. The training was participated in by representatives from the government of Sri Lanka and different stakeholders/organizations that are involved in the environmental issues, air pollution activities and compilation of data for national emission inventory. The representatives of UNEP, Headquarters and UNEP RRCAP, and expert from Stockholm Environment Institute (SEI) attended the training. The list of participants is attached as Annex 1.
3. The main objective of the training is to provide hands-on experience on compilation of emission inventory .The national level capacity building is one of the key objectives of the Malé Declaration. The capacity building event initiated in the previous implementation phases of the network is being continued during the phase IV implementation.

Welcome Address by CEA

4. Ms. Ramani Ellepola, Director General, delivered the welcome address on behalf of the CEA. She expressed her great pleasure on hosting the National Training on Emission Inventory and warmly welcomed the participants. She highlighted that the Malé Declaration helped the member countries to develop their technical capacities required to address the national and regional air pollution problems. She pointed out that emission inventory in the country is a basic tool required to manage the air pollution.

Opening Remarks by UNEP

5. Mr. Myvakanam Iyngararasan, UNEP Headquarters, made the Opening Remarks on behalf of UNEP. He mentioned that the Malé Declaration, being the only intergovernmental network dealing with air pollution in the region, has done significant progresses over the years. He also highlighted the outcomes of the Twelfth Session of the Intergovernmental Meeting held in June



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2011, the adoption of the Progress Report of the Task Force on Future Development by the IG12 comprising of the Draft Resolutions for Consideration of the Ministerial Level Meeting, the Report on the Sustainable Financial Mechanism, the Feasibility Report on the Establishment of Regional Centres, and the Feasibility Report on Strengthening the Regional Framework on Air Pollution Reduction in South Asia. He expressed his great appreciation for the support of the government of Sri Lanka for hosting the training.

Introduction to the Training

6. Dr. Harry Vallack, SEI, explained how the Emission Inventory (EI) manual and workbook were developed and his role as technical advisor for the emission inventory activity. He also explained that the main objective of this activity was for all countries to compile EIs in a consistent and comparable way to enable regional cooperation in addressing the transboundary air pollution problem.

Keynote Address

7. Mr. Charitha Herath, Chairman , CEA delivered the Keynote Address. He stressed that air pollution has been identified as a priority environmental issues in South Asia. Over the last 10 years, scientific capacity of the South Asian countries to address the air pollution has been significantly enhanced. There is a need to maintain the developed capacity and to develop new science in the region. He pointed out that development of quality emission inventories is one of the key areas that countries in South Asia needs to focus on, in order to address the air pollution issues. In conclusion, he confirmed that CEA as the Regional Center on Emission Inventory is committed to fulfill its mandate and responsibilities.

II. Session 1

Roles of the Malé Declaration Regional Centre on Emission Inventory

8. Mr. R.N.R. Jayaratne made a presentation on the roles of the Malé Declaration Regional Centre on Emission Inventory, its task and functions. His presentation also highlights the uses of emission inventory. He presented the objectives of the national training which include: to provide knowledge about emission inventory preparation with hands on experience, to find a pathways to collect reliable accurate data to compile high quality and representative emission inventory for Sri Lanka and to finalized the data collection network in order to upgrade emission inventories yearly.



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The air pollution problem and the need for emissions inventories

9. Dr. Harry Vallack made a presentation on the above-mentioned topic. Presentation involved, among others, the air pollution problem: the driving forces (economic growth, urbanization, motorization, population growth); major air pollutants emitted (e.g. sulphur dioxide, nitrogen oxides, particulate matter, ozone precursors, methane, etc; and their impacts (e.g. damage to human health, damage to crops, animals and ecosystems, acidification, eutrophication, etc.).

III. Session 2

Emissions Inventory Compilation

10. Dr. Harry Vallack presented the Basics of Emissions Inventory Compilation. Following this, further presentations, discussions and hands-on exercises during two days of training covered the following sectors:
 - Sector 1: Combustion in energy sector
 - Sector 2: Combustion in manufacturing/construction
 - Sector 3: Transport
 - Sector 4: Combustion in other sectors
 - Sector 5: Fugitive emissions from fuels
 - Sector 6: Industrial processes
 - Sector 7: Solvent and other produce use
 - Sector 8: Agriculture
 - Sector 9: Vegetation Fires & forestry
 - Sector 10: Waste

Conclusion and Summary

11. The participants informed that the training is very useful and interesting, and expressed their gratitude to the SEI expert, the Secretariat and CEA for organizing this training. The participants also expressed that this is the first national training on EI.
12. Various participants agreed to provide available reliable data to CEA for the preparation of the National Emission Inventory.
13. Mr. Kulasena and Mr. Jayaratne closed the training thanking the expert for his great efforts and contribution of his expertise, to all participants for their cooperation and for the Secretariat for the support for this training.



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Annex I

List of Participants

	Name of the Participant	Designation	Organization/Office
1	Mrs. N.M.Samaranayake	Deputy Director	BOI
2	W.K.S.Gunawardhana	Head HSE	Ceylon Petroleum Corporation
3	Mrs. B.B.I.Anuradhi Perera	Ministry of Power & Energ	Assistant Director(Planning)
4	Mr. K.A.C.S.Wijerathne	Sri Lanka Railways	Chemist & Metallurgist
5	Mr.Dhammike Edirisuriya	Ministry of Agriculture	Assistant Director
6	Mrs.S.P Sirimanna	Assistant Secretary (Railway Transport)	Ministry of Transport
7	Mr.Thilanka Darshana Jayasickrama	Development Assistant (Planning)	Ministry of Transport
8	Ms.C.D.Mannawaduge	Guidance Material Officer	Civil Aviation Authority of Sri Lanka
9	Mr.Janasampath Liyanage	Senior Statistician	Dept. of Census and Statistics
10	Mr.S.K.Thennakoon	Examiner of Motor Vehicles	Dept.of Motor Vehicles
11	Ms. Ushani Kumari	Engineer	Sri Lanka Sustainable Energy Management
12	Mr. R.M Kulasena	Deputy Director	Central Environmental Authority (CEA)
13	Mr. R.N.R Jayaratne	Assistant Director	Central Environmental Authority (CEA)



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14	Mrs. Hiranthi Jansz	Assistant Director	Central Environmental Authority (CEA)
15	Mr.L.D Jayasuriya	SEO	Central Environmental Authority (CEA)
16	Mr. M.P. Priyantha	SEO	Central Environmental Authority (CEA)
17	Mr.G.P.P Gampathi	SEO	Central Environmental Authority (CEA)
18	Mr. Sarath Kottege	SEO	Central Environmental Authority (CEA)
19	Mrs.C.T.Rajapaksha	SEO	Central Environmental Authority (CEA)
20	R.M.R.D. Weerasooriya	EMO	Ministry of Environment (ME)
21	Mr.Sampath Ranasinghe	EMO	Ministry of Environment (ME)
22	Mr.D.M.S.Bandara	EMO	Ministry of Environment (ME)
23	Ms. Surani Pathairana	EMO	Ministry of Environment (ME)
24	Ms Chamani Kumarasinghe	EMO	Ministry of Environment (ME)
25.	Dr. Harry Vallack	Research Associate,	Stockholm Environment Institute (SEI)
26.	Mr. Mylvakanam Iyngararasan	Project Coordinator	United Nations Environment Programme (UNEP)
27.	Mrs. Adelaida B. Roman	Head - Network Support	UNEP RRC.AP
28.	Ms. Woralac Rodsumang	Programme Assistant	UNEP RRC.AP