

Malé Declaration: workshop on Health Impact
UNEP Regional Resource Center for Asia and the Pacific, Bangkok, Thailand from 19 to 22 February 2007.

Date	Programme	Lead facilitator
Monday Feb 19 09:00-10:30	Opening Session <ul style="list-style-type: none"> • Opening Remark by Surendra Shrestha, UNEP Regional Director for Asia and the Pacific • Remarks by Dieter Schwela, Stockholm Environment Institute • Objectives and contents of the workshop by Frank Murray, Murdoch University • Self introduction and expectations by participants 	<i>Mylvakanam Iyngararasan</i>
10.30-11.00	Tea/Coffee break	
11:00-12:30	<ul style="list-style-type: none"> • Malé Declaration and Its implementation by Mylvakanam Iyngararasan • Major Types and Sources of Air Pollution • Overview of types of air pollution and discussion • Source types and emission inventories: • Discussion of the major source types in countries of South Asia 	<i>Frank Murray</i> <i>Dieter Schwela</i>
12:30-13:30	Lunch	
13:30 -15.00	Introduction to SIM Air	<i>Frank Murray</i>
15.00 – 15.30	Tea/Coffee break	
15.30 – 17.30	<i>Ambient concentrations in indoor and outdoor environments</i> <ul style="list-style-type: none"> • Typical concentrations of the major pollutants in different indoor and outdoor environments, rationale and objectives for setting air quality standards, and some international standards and guidelines • Discussion of the typical concentrations of air pollutants in countries of South Asia • Factors that control emissions dispersion and transformation • Objectives, data quality objectives, design of monitoring programmes, data interpretation and assessment, QA/QC 	<i>Dieter Schwela</i>
19.00	<i>Welcome Dinner</i>	

Tuesday Feb 20 08.30-09.30	<i>Ambient concentrations in indoor and outdoor environments contd....</i>	<i>Dieter Schwela</i>
09.30 – 10.30	<i>Air Quality Monitoring and Dispersion Modelling</i> <ul style="list-style-type: none"> • Monitoring methodologies • Discussion of the major monitoring types in countries of South Asia • Dispersion modelling and the use of meteorological data 	<i>Frank Murray</i> <i>Dieter Schwela</i>
10.30 – 11.00	Tea/Coffee break	
11.00 -12.30	<i>Air Quality Monitoring and Dispersion Modelling Contd.....</i> <ul style="list-style-type: none"> • SIM Air 	<i>Frank Murray</i>
12:30-13:30	Lunch	
13:30-14.00	<i>Air Quality Monitoring and Dispersion Modelling Contd.....</i>	
14.00 – 15.00	<i>Impacts of air pollution</i> <ul style="list-style-type: none"> • Exposure, measurement, and estimation of impacts of each of the major air pollutants on health • Discussion of the major impacts of air pollution on health in countries of South Asia • Exposure, measurement, and estimation of impacts of each of the major air pollutants on the environment 	<i>Dieter Schwela</i> <i>Frank Murray</i>
15.00 – 15.30	Tea/Coffee break	
15.30 – 17.30	<i>Impacts of air pollution Contd.....</i>	

Wednesday Feb 21 08.30-09.30	<i>Impacts of air pollution</i> <ul style="list-style-type: none"> • Economic aspects • Indoor air pollution 	<i>Dieter Schwela</i>
09.30 – 10.30	<i>Prevention and control of air pollution</i> <ul style="list-style-type: none"> • Introduction and objectives of the workshop • Principles of air quality management • Policies for air quality management • Regulation, standards, monitoring, enforcement) • Economic instruments • Self-regulation eg EMS • Education and information • Environmental impact assessment of impacts on air quality of proposed developments • Lessons learned from implementation in developing countries • The experience with air pollution control in South Asia 	<i>Frank Murray</i>
10.30 – 11.00	Tea/Coffee break	
11.00 – 12.30	<i>Prevention and control of air pollution</i> <i>Contd....</i>	<i>Frank Murray</i>
12:30-13:30	Lunch	
13:30 -15.00	<i>Prevention and control of air pollution</i> <i>Contd....</i>	<i>Frank Murray</i>
15.00	<i>Visit to an air quality monitoring station</i>	

Thursday Feb 22 08.30 – 10.30	<i>Quantitative relationships between exposure to air pollution and health impacts</i> <ul style="list-style-type: none"> • Introduction and objectives of the workshop • The relationships between air pollution and health • Environmental pathway analysis, exposure and risk assessment • Epidemiological Assessment (including the Rapid Epidemiological Assessment and quantitative models) • Outcomes of research • Applicability of epidemiological assessments to South Asia including data needs and availability • Data collection (individual and aggregate levels) • Examples of how to use the models and exercises • Interpretation of the results, and their use for policy-making in South Asia • Dissemination of the techniques and assessments • Practical considerations with these techniques in South Asia 	<i>Dieter Schwela</i>
10.30-11.00	Tea/Coffee break	
11.00 – 12.30	<i>Quantitative relationships between exposure to air pollution and health impacts</i> <i>Contd...</i>	<i>Dieter Schwela</i>
12:30-13:30	Lunch	
13:30-15.30	<i>Quantitative relationships between exposure to air pollution and health impacts</i> <i>Contd....</i>	<i>Dieter Schwela</i>
15.30 – 15.45	Tea/Coffee break	
15.45 – 16.30	Closing ceremony and course review	<i>Frank Murray</i>