



Malé Declaration on Control and Prevention of Air Pollution and its Likely Trans-boundary Effects for South Asia

Tentative Programme

Workshop and Training on Crop Impact Assessment

15-17 November 2010, Delhi, India

Day 1: Monday, 15 November 2010

Opening Session (8:30-10:30)

Opening Remarks:

1. India Ministry of Environment and Forest
2. United Nations Environment Programme (UNEP)
3. South Asia Cooperative Environment Programme (SACEP)
4. Central Pollution Control Board (CPCB)

Group Photo Session and Coffee Break (10:30-11:00)

Workshop on Malé Declaration Crop Impact Assessment (11:00-12:30)

11:00-11:20	Overview of the Meeting <ul style="list-style-type: none"> - Presentation of the Overview and Objectives of the Meeting
11:20-11:50	Overview of the Implementation and Outcome of Crop Impact Assessment under the Implementation of Malé Declaration <ul style="list-style-type: none"> - Presentation on the implementation and the outcome of the crop impact assessments during the Phase III
11:50-12:30	Updates from the Crop Network <ul style="list-style-type: none"> - Presentation on the methodologies and results for crop impact assessment studies conducted

Lunch Break (12:30-13:30)

13:30-15:00	Country Presentations on Crop Impact Assessment <ul style="list-style-type: none"> - <i>National level updates on the crop impact assessment studies under Phase III Implementation of Malé Declaration</i> - Bangladesh - Bhutan - India - Iran - Maldives - Nepal
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Coffee Break (15:00-15:30)

15:30-16:00	Country Presentations on Crop Impact Assessment continued <ul style="list-style-type: none"> - Pakistan - Sri Lanka
16:00-16:30	Discussion on the Plan for Crop Impact Assessment During the Phase IV <ul style="list-style-type: none"> - Presentation and discussion on the plan for the crop impact assessment to be conducted during the Phase IV implementation of Male Declaration.
16:30-17:15	Discussion on the Technical Manual on Crop Impact Assessment <ul style="list-style-type: none"> - Presentation and discussion on the technical manual for crop impact assessment
17:15-17:30	Closing of the Meeting <ul style="list-style-type: none"> - Closing remarks - Summary by the Chair and closing of the Meeting

Day 2: Tuesday, 16 November 2010

Multi-Stakeholder Policy Dialogue: Ground level ozone as a threat to food security in Asia

Venue: Hotel; Organizer (SEI)

08:30 – 9:15	Key agricultural challenges facing South Asia (Speaker: TBC – representative from agricultural research)
9:15-9:45	Issues related to food security and agricultural policy in South Asia (Speaker: TBC – FAO representative)
9:45-10:30	An introduction to ground level O ₃ : what is it and why is it a threat to agriculture (Speaker: Prof. Mike Ashmore / Prof. David Fowler / Prof. Nigel Bell / Prof. Juerg Fuhrer?)

Coffee Break (10:00-10:30)

10:30-11:00	Experimental evidence of O ₃ impacts on agriculture in Asia (Speaker: Prof. Kazuhiko Kobayashi & Prof. Madhoolika Agrawal)
11:00-11:30	Estimates of regional scale agricultural crop losses from ground level O ₃ (Speaker: Dr. Lisa Emberson & Dr. Patrick Bueker)
11:30-12:00	Introduction to working groups: A framework ‘Research Programme for policy’ (Dr. Lisa Emberson)
12:00-12:30	Working group discussions: I, II, III

Lunch Break (12:30-13:30)

13:30-14:10	Working group discussions I, II, III...continued
14:10-15:00	Working group report conclusions back to plenary: I, II, III (Chair: Dr. Richard Mills)
15:00-15:30	Plenary Discussions (Chair: FAO/Agricultural representative)

Coffee Break (15:30-16:00)

16:00-17:00	Summary of Recommendations (Chair: Dr. Richard Mills (GAP Forum), Iyngararasan Mylvakanam (UNEP) & Representative (FAO))
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Day 3: Wednesday, 17 November 2010

Training on Crop Impact Assessment

Venue: Hotel; Organizer: SEI and UNEP

08:30-8:50	Self introduction and expectations by participants
8:50-9:10	Presentation on Male' Declaration and its implementation (Mylvakanam Iyngararasan)
9:10-9:30	Objectives and contents of the workshop (Lisa Emberson / Patrick Bueker)
9:30-10:00	Presentation on overview of bio-monitoring and chemical protectant methods (Patrick Bueker / Madhoolika Agrawal)

Coffee Break (10:00-10:30)

10:30-11:00	Presentation on results from previous monitoring phases (RAPIDC Phase III) (Patrick Bueker)
11:00-11:45	Introduction of experimental protocol <i>Presentation on data management (QC) and methods of statistical analysis</i> (Patrick Bueker)
11:45-12:30	Presentation on reporting requirements <i>Presentation on specific practical aspects of site set-up, harvesting methods, passive sampling, etc.</i> (Patrick Bueker)

Lunch Break (12:30-13:30)

13:30-14:30	Presentation on visual injury assessment methods <i>Presentation on over-wintering requirements</i> (Patrick Bueker)
14:30-15:30	Discussion on problems encountered in Male' countries, sources of problems and how to solve them (Patrick Bueker)

Coffee Break (15:30-16:00)

16:00-16:30	Presentation on choice of local crops for future EDU study (Madhoolika Agrawal/Patrick Bueker)
16:30-17:30	Discussion on the future plans of the bio-monitoring network (additional activities, link to Climate Change etc.)
17:30-18:00	Closing Session