## Malé Declaration 1998-2013: Progress and Opportunities - a synthesis

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## **Synthesis Report – Writing Process**

- First draft written by Secretariat and technical advisors led by Lars Nordberg
- Now require your feedback
  - What is missing?
  - What is incorrect?
  - what could be improved?
- Report will be finalized and widely circulated to policy makers in South Asia and all relevant stakeholders to promote awareness of issues and opportunities.



• Awareness – meetings, internet and newsletters, linking to the youth, even adverts on buses and Malé Declaration song!

• **Training** – capacity and institutional strengthening in all aspects of air pollution policy cycle:

emissions/deposition > impacts > policy

• Intergovernmental cooperation - technical know-how and establishment of regional centres, financial mechanism, towards a regional cooperative agreement

Relationships – within and between Malé Declaration countries
and internationally

There is a foundation on which to build







Emissions Regional Technical Centre: Sri Lanka





PM2.5
NH3
NMVC
NOx
SO2







## Malé Declaration Monitoring Data

The equipment located at the monitoring sites is as follows:

IVL passive samplers for SO<sub>2</sub>, NO<sub>2</sub> and ozone;

Total Suspended Particles (TSP) and  $PM_{10}$  are being measured using high volume samplers (HVS) (regionally sourced);

Two Bulk samplers (funnel and bottle) at each site;

MISU wet-only collector at each site with solar panel;

Meteorological measurements.







































|  | Lifetimes in the atmosphere |  |      |
|--|-----------------------------|--|------|
|  | Substance                   | Lifetime   |      |
|  | Carbon<br>dioxide           | Decades to centuries<br>and<br>about 20 per cent<br>will persist for many<br>millennia |      |
|  | Ozone                       | 4 – 18 days  |      |
|  | Methane                     | 12 years   |      |
|  | Black<br>carbon             | 3-8 days   |      |
|  | HFCs                        | Average of mix: 15 years   |      |
|  |                             |  | ₿SE] |







### Science to Policy

Regional Centre: Pollution Reduction Policies/Strategies - Nepal / Maldives

- Reports and training on good practice for air pollution policy, examining Best Available Techniques (BAT) for the housing, transport and power sectors.
- Study of factors that affect how well policy interventions work in the social and political contexts of the different countries.
- Training on regional cooperation issues focusing on good practices and knowledge on international policies and regulations related to air pollution in other parts of the world.
- Feasibility study of regional cooperative framework.
- Bangladesh National Action Plan for Air Pollution.

## Overall achievements of the Malé Declaration

## Opportunities and Challenges

## **Opportunities for Regional Co-operation**

• Enough evidence to act - synthesis report showing much evidence produced and capacity established.

• Some Malé Declaration countries are prioritising action on air pollution and SLCPs and good practice in region can be shared – Malé Declaration is prime vehicle for doing this.

- Transboundary nature of air pollution in South Asia offers incentives for action and co-operation.
- Links to ABC and particularly to black carbon and Himalayas 30K glaciers in the Himalayas provide extra incentive.
- Ambitious national programmes on emission control contribute to international resolve—and vice versa

#### **Opportunities for Regional Co-operation (cont.)**

Address short-term (health and crops) and long-term like climate and sustainability and link to SLCPs

 Monitoring programme important to protect and promote as basis for action – crucial to reviewing success of implementation of measures

- Need to continue work towards a regional treaty on air pollution:
- international agreement involving the different sectors

 characterized by flexibility and differentiated responsibilities and obligations for individual countries according to national priorities and possibilities.

## **Requirements for Further Progress**

Emphasize opportunities based on what the Malé Declaration has already achieved to:

- Achieve stable and long-term funding in the region
- Establish working regional technical centres
- Link to national development planning

- Share good practice and experience across a range of Malé Declaration stakeholders, including policy makers, to facilitate international cooperation for progress on emission reduction.

# Thank you for your attention