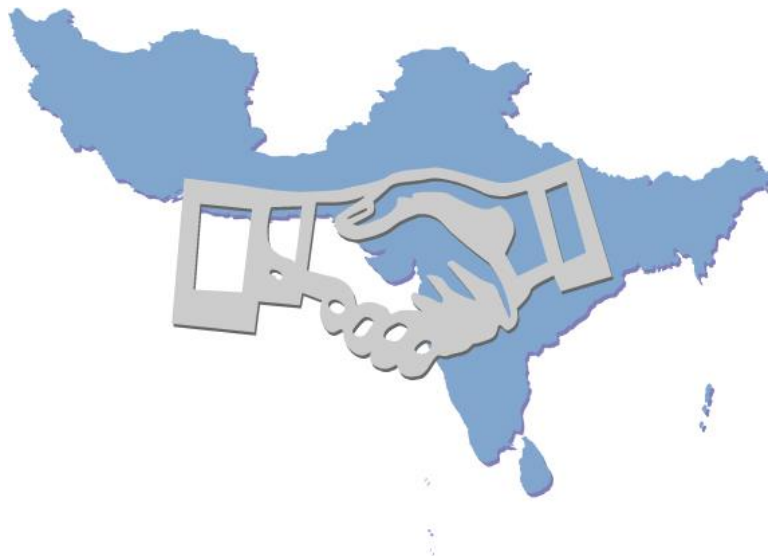


Male' Declaration

Review of Progress in Phase III



by
**Secretariat
UNEP**



Phase IV Objectives



IG9; October 2007, Maldives

Strengthen **Regional Cooperation** and move towards developing a regional agreement;

Strengthen the **air pollution monitoring** network and conduct regular monitoring of high quality;

- Enhance the **impact assessment capacity** of the national institutions and assess the impacts of air pollution in the participating countries;
- Enhance the capacity of NIAs regarding **emission inventory development**, atmospheric transfer of pollutants and Integrated Assessment Modeling;
- Assist the member countries of the Malé Declaration with the development of **air pollution reduction policies**;
- Raise **awareness for action** on air pollution issues through targeted dissemination.



Ob1: Regional Cooperation

(i) Stakeholders meeting cum coordination meeting (RCS) in September

- Review of the progress of Malé Declaration activities in 2009;
- updates from air pollution related activities in the member countries of Malé Declaration;
- updates from initiatives focusing on air pollution at regional and sub-regional level; and
- updates from initiatives focusing on air pollution at global level.

(ii) Intergovernmental meeting (IG11) in September

- Review of the progress of Malé Declaration activities in 2009;
- Review of the data report on transboundary air pollution monitoring in 2008/09;
- consideration Terms of Reference for the Task Force on Future Development of the Malé Declaration;
- Discussion on feasibility report on the establishment of specialist regional centres;
- Consideration of the work programme of Malé Declaration in 2010; and
- Any other issues raised by the participating countries



Ob1: Regional Cooperation...

(iii) One National Stakeholders meeting during the 4th quarter of 2008

- Increase awareness on transboundary air pollution
- Share and receive stakeholders views and ideas on implementation of the Malé Declaration;
- Improve information exchange between information generators and users
- Provide a forum for atmospheric issues at the national level



Ob2: Capacity Building on Monitoring



**The First Regional Training Programme;
March 2002, RRCAP, Bangkok**

(i) Regional Training programmes in March 2009

- review the implementation of Quality Control and Quality Assurance (QA/QC) programme, specially on the data sampling and analysis;
- Introduction to data analysis
- review the data report 2008/09;
and
- discuss the issues encountered in operating the monitoring sites in each country.



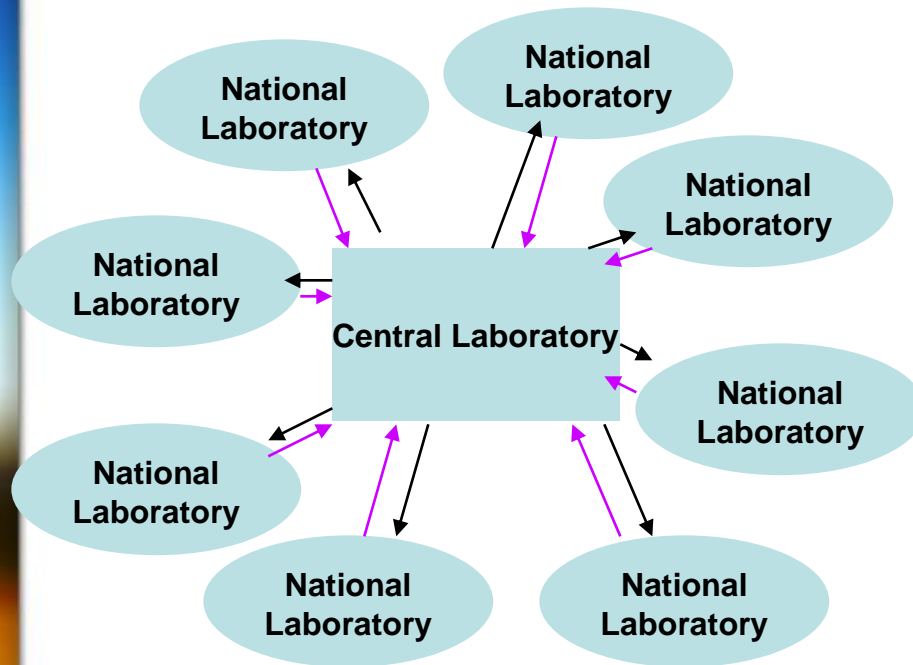
Ob2: Capacity Building on Monitoring ...

(ii) Inter-laboratory Comparison

- **Second attempt will be completed by September 2008**

(iii) Passive sampler Inter Comparison study

- **Final report will be completed by October 2008**

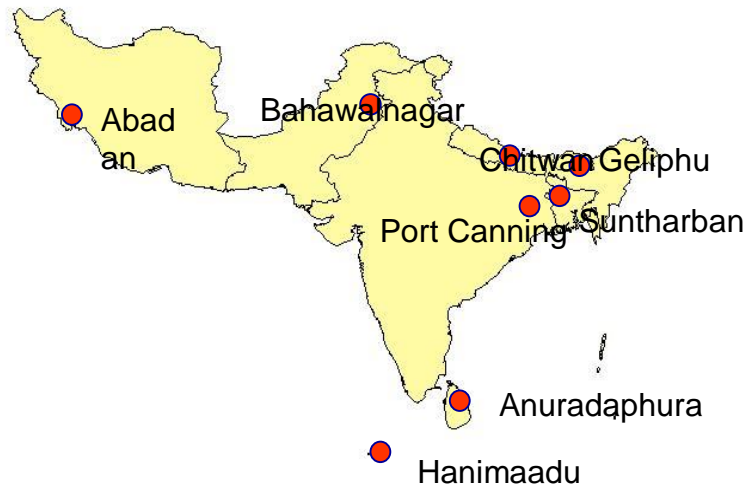


→ Artificial precipitation samples

→ Results



Ob2: Capacity Building on Monitoring ...



(iv) Central compilation, storage, and interpretation of data

- Data report 08/09
- Finalization of data analysis report

(v) Site audits to be performed by the Monitoring Committee

- India
- Pakistan

(vi) Support to strengthen the existing monitoring sites



Ob3: Capacity Building on Inventory and Modeling

Maie Declaration
Integrated Information and Assessment System
Version 1.0 (January 2008)

Welcome to the Maie Declaration Integrated Information and Assessment System (IIAS).
Introduction: presents the Maie Declaration, the IAS and its users.
Emissions and Scenarios: the Maie emissions manual and scenario variation, and the Scenario generator manual.
Atmospheric Transport and Deposition: Description of the MATCH atmospheric model.
Monitoring: includes the Maie Declaration Monitoring Database.
Invasive air pollution inputs information under the Maie Declaration are described.
Pollution Prevention and Control: describes the work developed under the Declaration.
Modeling: Run Model and View Results: file is the modeling part. Input data is defined under Input Data. The model files for each run are loaded into the system using Load Data and the results can be seen as tables or maps under View Results. Data for information on how to use the modeling part is under Model Introduction.

MECHANISM OF TRANSBOUNDARY AIR POLLUTION

The diagram illustrates the process of transboundary air pollution. It shows a landscape with a river, buildings, and trees. Red arrows indicate the flow of pollutants from a source (e.g., a factory or city) into the atmosphere, where they are carried by wind across a boundary. The pollutants then settle over a receptor area, causing environmental damage. Labels include 'EMITTERS', 'TRANSPORT OF POLLUTANTS', 'WIND DIRECTION', 'WIND VELOCITY', 'DEPOSIT OF POLLUTANTS', 'EFFECTS OF POLLUTION', 'EVIDENCE OF POLLUTION', and 'EVIDENCE OF DAMAGE'.

Integrated Information and Assessment System (IIAS)

(i) Emission inventory

- Assist NIAs in compile national level emission inventories.

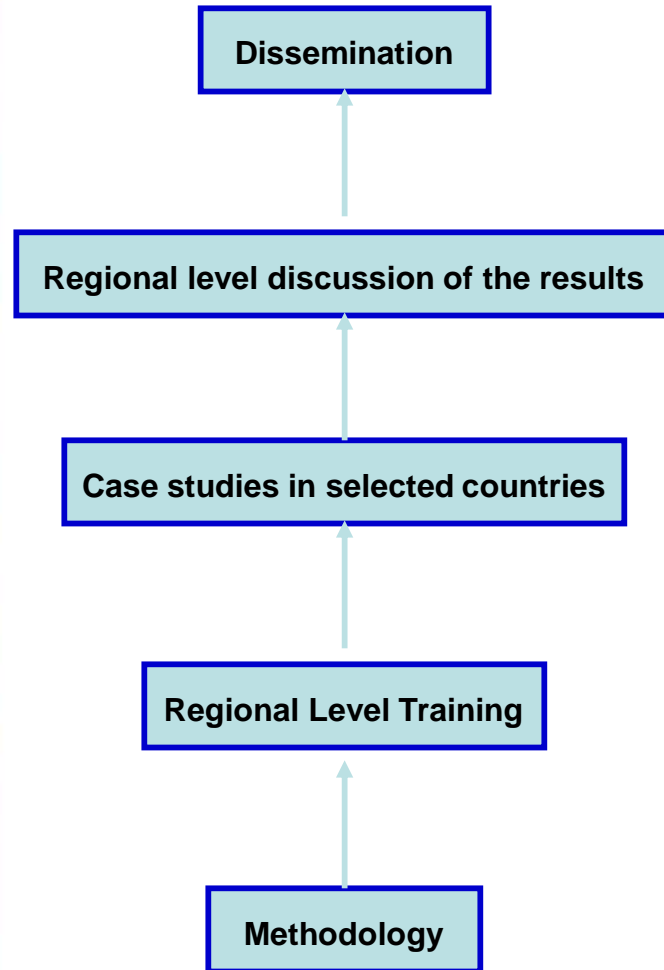
(ii) IIAS

- Incorporation of new data
- Dissemination to NIAs



Ob4: Capacity Building on Impact Assessment

(i) Case studies



- Urban integrated assessment capacity
 - Finalization of the report
- Human health impact assessment in Bangladesh
 - Finalization of the report
 - Development of implementation plan for Phase IV
- Crop impact assessment
 - Finalization of the report
 - Development of implementation plan for Phase IV
- Corrosion impact assessment
 - Finalization of the Preliminary report
 - Development of implementation plan for Phase IV



Ob5: Assist with Air Pollution Reduction

(i) Good practices

- The compendium on good practices will be widely disseminated.

(ii) Training workshop

- Clean Fuels and Vehicles

(iii) Implementation Plan for Phase IV

- An implementation plan for the activities on air pollution reduction policies will be developed for the consideration by the IG11

NIAs are encouraged to:

- submit articles and news for the Male' Newsletter;
- Disseminate at national level

(i) Newsletter

- Two issues of the newsletter will be published during 2008/09 period: (i) Vol. 6; Number 2; November 2008; (ii) Vol. 7; Number 1; April 2009.

(i) National Level

- Compilation of the outcomes of national level public awareness campaigns.

(iii) Targeted awareness materials

- The multimedia presentation and the publication will be disseminated to young people in South Asia

(v) Information sharing

Among the countries and other networks