



Male' Declaration

Report on the progress since the
Seventh Session of the
Intergovernmental Meeting



by
Secretariat
UNEP RRC.AP



Male' Declaration

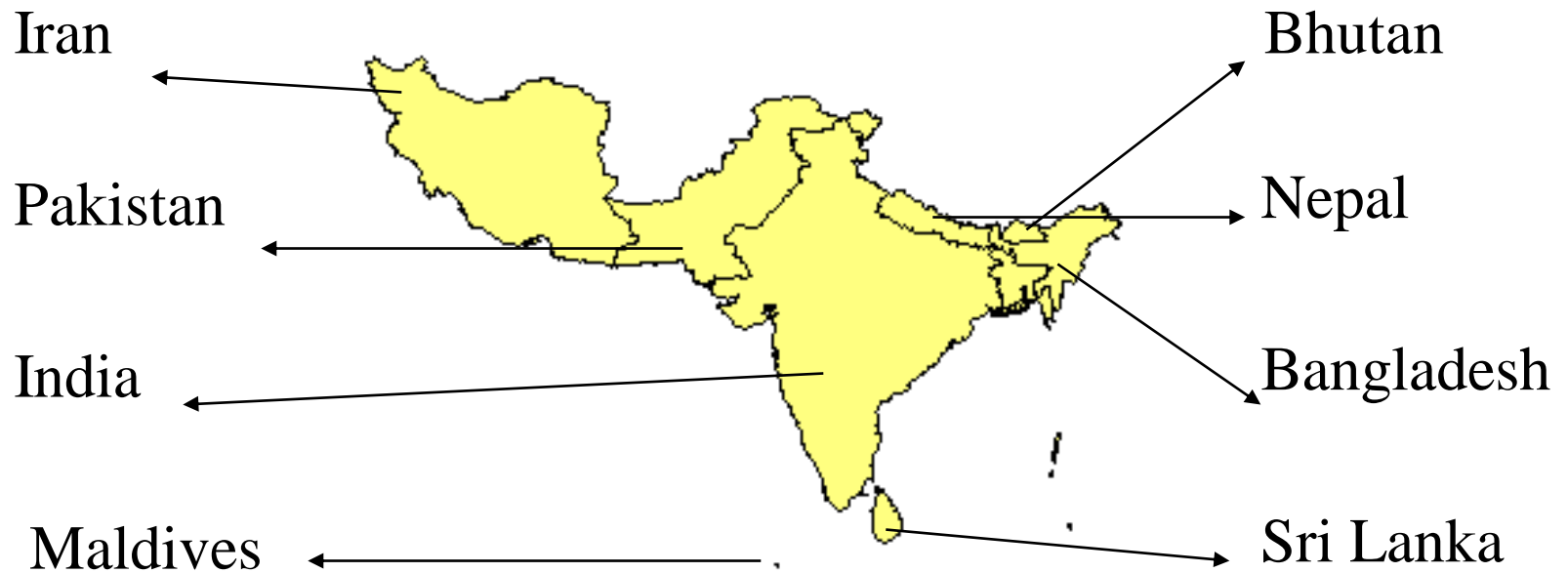
Development

- March 1998: Policy Dialogue
- April 1998: Adoption of the Declaration

Implementation

- Phase I: Awareness and preparation of the baseline information
- Phase II: Local capacity development for monitoring and analysis

Member states





Phase III Objectives



IG 6; October 2004, Tehran, Iran

- Strengthen the **regional cooperation** and stakeholders participation under the Malé Declaration;
- Strengthen the **capacity building** programmes initiated during Phase II;
- Enhance the capacity of NIAs on emission **inventory development and Integrated Assessment Modeling**
- Enhance the analytical and **impact assessment capability** at the national level through integration of findings from local pollution studies and conducting assessment studies;
- Provide **decision support information** for policy formulation and air pollution prevention ; and
- **Raise awareness** for action through targeted dissemination



Ob1: Regional Cooperation



IG 7; October 2005, Delhi, India



Coordination Meeting; October 2005, Delhi, India

Proceedings:

www.rrcap.unep.org/md/Maléreport/

- **Intergovernmental meeting, stakeholders meeting cum coordination meeting**
 - Participating countries have initiated the process of understanding issues arising from transboundary air pollution
 - Coordination meeting need to be continued
 - Air pollution related initiatives in South Asia need to be encouraged to participate
 - National Advisory Committee and National Stakeholders meetings could coordinate the air pollution related activities at the national level
- **Evaluation with a focus on ownership**
 - Capacity building
 - Organizational structure
 - Financial sustainability



Ob2: Capacity Building on Monitoring



**In-country Training; December 2005,
Islamabad, Pakistan**



**In-country February 2006; Kulna,
Bangladesh**

- **National Training programmes**

- Four technical personnel from the Department of Meteorology and eight technical personnel from Pak-EPA were trained on sampling and analysis of air pollutants.
- Nine technical personnel from DoE, Bangladesh were trained on operating AAS



Ob2: Capacity Building on Monitoring ...



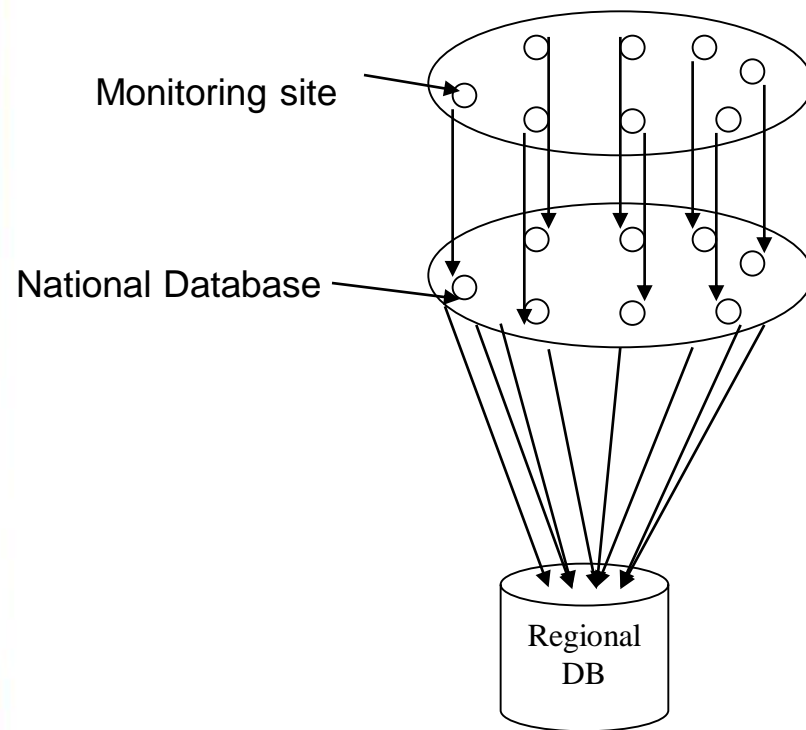
Regional Training Programme; March 2006, RRCAP, Bangkok

- **Regional Training Programme**
 - Fourth Regional training programme:
 - introduced the QA/QC;
 - Provided recommendations for the review of monitoring methods

Parameter	Reference	Group-1	Group-2	Group-3
Total Hardness (mg/L as CaCO ₃)	100.00	94.00	92.00	94.00
Ca Hardness (mg/L as CaCO ₃)	72.00	67.00	64.00	76.00
Ca Hardness (mg/L as Ca ⁺⁺)	28.80	26.80	25.60	30.40
Mg Hardness (mg/L as CaCO ₃)	28.00	27.00	28.00	18.00
Mg Hardness (mg/L as Mg ⁺⁺)	6.80	6.80	6.80	4.37
Sulfate (mg/L)	19.00	18.61	18.00	17.81



Ob2: Capacity Building on Monitoring ...



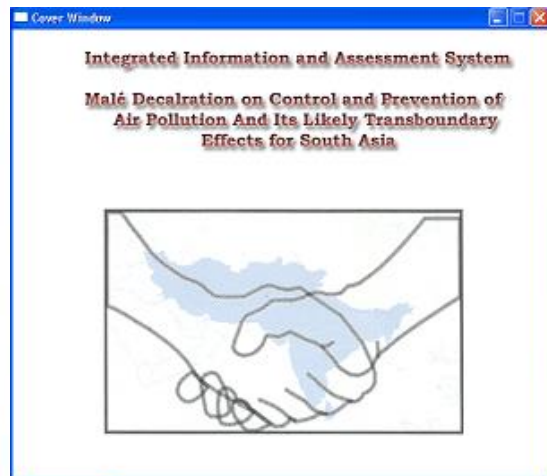
- **Central compilation, evaluation, and storage of data**
 - Data report 2005/06
 - Regional data base is available online for the NIAs:
www.rrcap.unep.org/md/



Ob3: Capacity Building on Inventory and Modeling



Training workshop; July 2006, RRCAP



Integrated Information and Assessment System (IIAS)

Proceedings:

www.rrcap.unep.org/md/Maléreport/

Newsgroups:

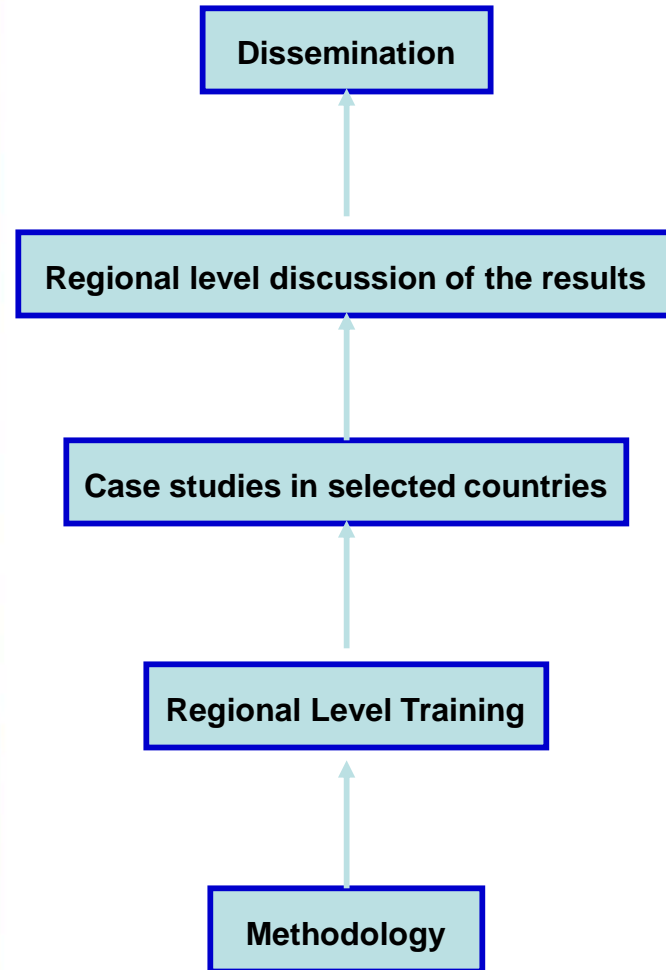
MD_IIAS@rrcap.unep.org

Training workshop on emission inventory, scenario development, and Integrated modeling

- Emissions inventory manual accompanied by a workbook (Excel) for compilation
- Input for the development of a comprehensive manual for the development of emission scenarios
- Introduction of MATCH model for atmospheric transport/transformation and deposition, and HYSPLIT model for air mass trajectory computation
- An integrated information and assessment system (IIAS) and Users' Manual
- Trained personnel from all the participating countries on emission inventory and integrated assessment model



Ob4: Capacity Building on Impact Assessment



Focus areas

- Develop urban integrated assessment capacity
- Strengthen knowledge on human health impact assessment
- Strengthen knowledge on crops impact assessment
- Strengthen knowledge on corrosion impact assessment, model

Completed Terms of Reference

Proposed case studies:

- Urban integrated assessment: Nepal
- Human Health: Bangladesh
- Crop: Bhutan, India, Iran, Pakistan
- Corrosion impact: India, Iran, Nepal and Sri Lanka



Ob5: Decision Support Information



Eco village was opened by the President of Sri Lanka in March 2006



(i) Case studies

- Provided technical support for an eco-village demonstration project in Sri Lanka

(ii) Good practices

- Identify the areas for pollution control and abatement in each of the participating countries;
- Collate success stories (for pollution control and abatement);
- Dissemination of success stories in the participating countries.



(i) Publication on Malé Declaration

- Completed the first draft
- Draft will be reviewed by the IG8

(ii) Newsletter and Brochure

- To disseminate Malé Declaration related information to the public and stakeholders.
- The content of the newsletter has largely been reports on the network's activities

(iii) Information sharing

- Among the countries and other networks

(iv) Networking with youths

- Established link with South Asia Youth Environment Network (SAYEN).