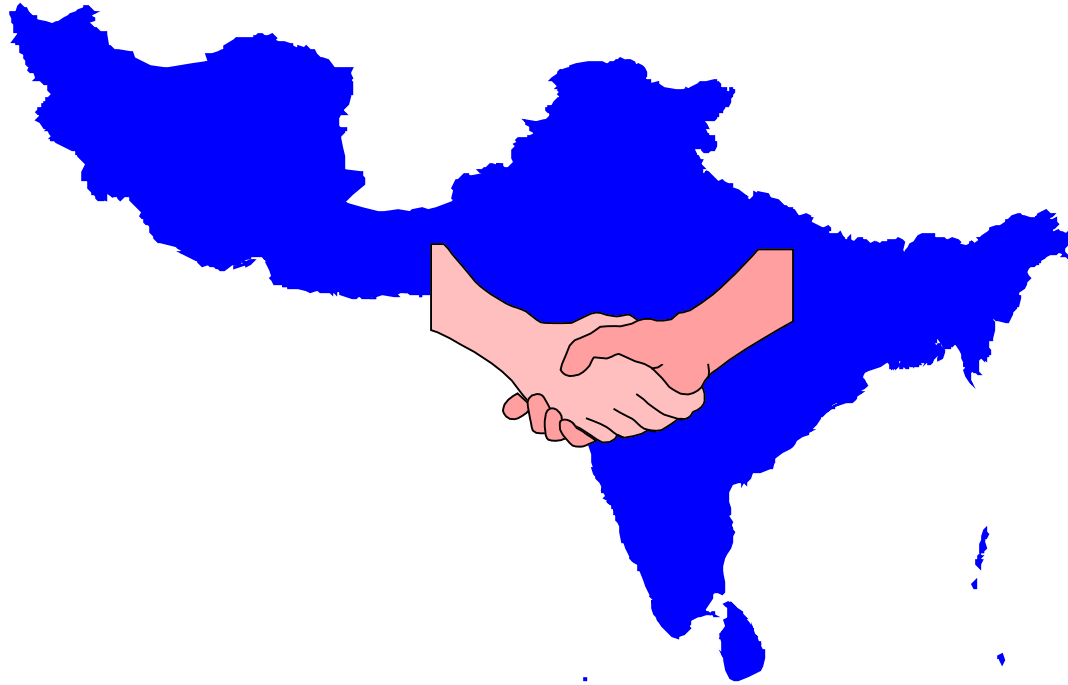
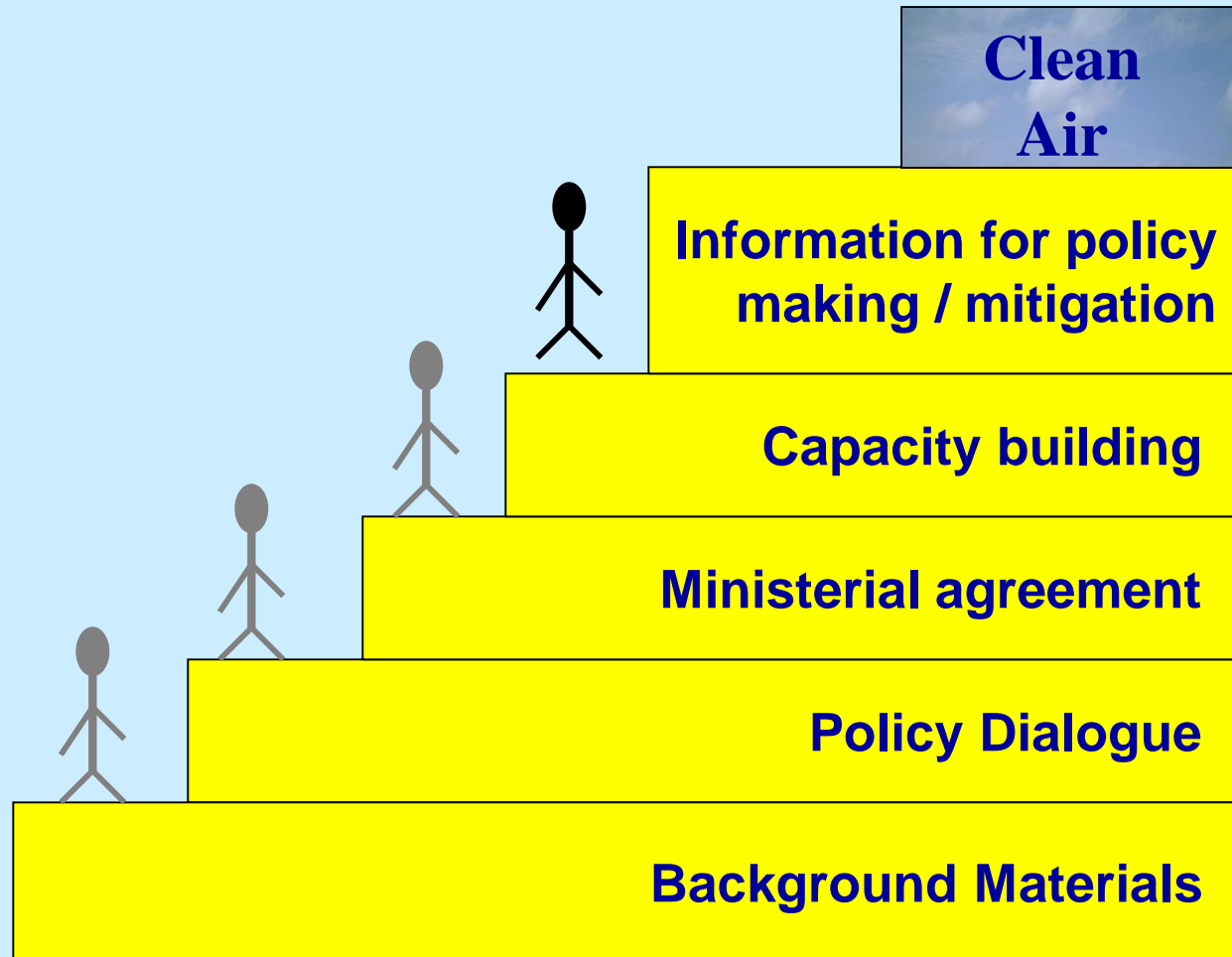


The Male' Declaration



Proposal for Phase III

Looking back to think ahead



Phase 3

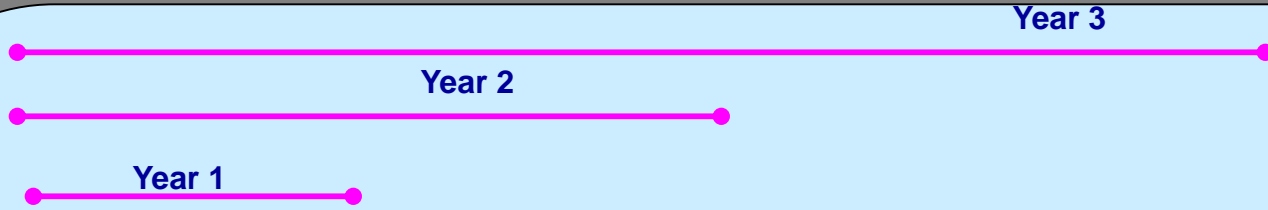
Purpose

The purpose of Phase III is to promote the establishment of a **scientific base for prevention and control** of transboundary air pollution in South Asia and to encourage and facilitate **coordinated interventions** of all the stakeholders on transboundary air pollution at national and regional level.

Objectives

1. strengthen the **regional cooperation and stakeholders participation** under the Malé Declaration;
2. strengthen the capacity building programmes initiated during phase II;
3. enhance the capacity of of NIAs on **emission inventory development and Integrated Assessment Modeling**
4. to enhance the analytical and **impact assessment** capability at the national level;
5. provide **decision support information** for policy formulation and mitigation; and
6. raise **awareness** for action through targeted dissemination

Phase 3 Summary



Awareness
-media
-parliamentarian
-students

Impact studies
Prevention options
Repackaging
Decision support info.

Monitoring
Data
Analysis

1. Regional Coordination

Objective

1.1 Strengthen regional cooperation

Activities

- Conduct annual network meeting to steer the direction of the Declaration
- Present the Male' Declaration progress to the SACEP Governing Council
- Develop coordination of the Declaration
- Hold South Asian Regional Coordination meetings
- Develop Male' Declaration Publications
- Review and evaluate Male' Declaration Programme of activities

1. Regional Coordination

Objective

Activities

1.2 Strengthen stakeholder participation

✓ **Conduct annual Regional stakeholder Consultation**

✓ **Conduct National stakeholder consultations**

1.3 Strengthen National structures to support the Male' Declaration

✓ **Conduct national advisory committee meetings**

2. Monitoring Capacity

Objective

2.1 Strengthen and enhance the Male Declaration pollution monitoring network

Activities

- ✓ **Conduct monitoring initiated during phase II and promote analysis of data**
- ✓ **Establishment and maintenance of a regional database (IMS) for Malé declaration**
- ✓ **Strengthen remote Male' monitoring sites for monitoring pollutant concentration and rainwater composition**
- ✓ **Introduce new monitoring sites in remote areas**
- ✓ **MoC functions and Review of technical manual**
- ✓ **Passive sampler inter-comparison**

2. Monitoring Capacity

Objective

Activities

2.2 Training in monitoring

✓ Conduct training and refresher courses

2.3 Implementation of QA/QC programme

✓ Parallel analysis of samples at national and reference laboratories and analysis of standard samples by national laboratories

2. Monitoring Capacity

Objective

2.4 enhance the capacity of NIAs on particle characterization

Activities

✓ Develop training in trajectory analyses

✓ Develop particulate matter characterization method manual (PIXE and chemical methods)

3. Emission Inventory & IAM

Objective

Activities

3.1 Develop capacity in emission inventory preparation

- ✓ Training workshops on emission inventory preparation and assistance in national emission inventory compilation
- ✓ Revision/ updating of the emissions manual and workbook

3.2 Develop capacity in emission scenario development

- ✓ Training workshops on emission scenario preparation and assistance in national emission scenario compilation

3. Emission Inventory & IAM

Objective

3.3 Develop regional integrated assessment capability

Activities

✓ Upgrade IAM & Include atmospheric transfer of PM and ozone, link to emission inventories

✓ Install MATCH within IAM

Training workshop on IAM, atmospheric transfer for NIAs

✓

3. Emission Inventory & IAM

Objective

3.4 Develop urban rapid integrated assessment capability

Activities

✓ Training workshops for NIAs in methodology

✓ Application of methods to some cities

4. Impact Assessment

Objective

4.1 Strengthen knowledge on impacts of air pollution on Human health

Activities

- ✓ Assessment of impacts of air pollution on health, and wider societal impacts, using concentration data and dose-response relationships
- ✓ Measuring health effects of air pollution through cohort, time-series or cross-sectional studies

4. Impact Assessment

Objective

4.2 Strengthen knowledge on impacts of air pollution on crops

Activities

- ✓ Identify and demonstrate where crop yield reductions are occurring
- ✓ Assessing risks of yield reductions and their potential socio-economic impacts

4. Impact Assessment

Objective

Activities

4.3 Strengthen knowledge on impacts of air pollution on corrosion

- ✓ Assess corrosion at sites using exposure of standard samples
- ✓ Demonstrate corrosion risks using Rapid Corrosion Assessment Kits
- ✓ Training in stock at risk and economic assessment of corrosion damage

4.4 Strengthen knowledge on impacts of air pollution on acidification

- ✓ Training in mapping sensitivity of soils to acidification and in time development of acidification methods

5. Decision Making for Prevention and Control

Objective

5.1 Provide decision support information for policy formulation and prevention

Activities

✓ Study good examples for local, national and regional level legal and financial measures and provide options tailored for each country

5.2 Case studies of practical options to prevent air pollution

✓ Development of demonstration projects on Eco-friendly buildings
✓ Impact of using best available technology and techniques in the transport sector

6. Awareness

Objective

6.1 Raise awareness for action through targeted dissemination

Activities

- Development of media packages on air pollution
- Development of educational materials targeting primary schools, secondary schools, collages and Universities
- Conduct regular lectures and consultation with senior government officials