

MULTILATERAL NEGOTIATIONS ON AIR POLLUTION

LARS NORDBERG
ScandEnvironment, Stockholm
Adviser

la.nordberg@tele2.se

DRIVING FORCES

- EFFECTS
- HEALTH
- CROPS
- CORROSION
- ACIDIFICATION
- PUBLIC AWARENESS
- REGIONAL INITIATIVES

SOURCES OF AIR POLLUTION

- ENERGY GENERATION
- TRANSPORT
- INDUSTRY
- HOUSEHOLDS
- AGRICULTURE
- BURNING OF BIOMASS AND WASTE

MAJOR POLLUTANTS

- **SULPHUR**
- **NITROGEN**
- **PARTICULATE MATTER—PM**
- **OZONE**
- **VOLATILE ORGANIC COMPOUNDS—VOC**
- **PERSISTENT ORGANIC POLLUTANTS—POP**
- **HEAVY METALS**
- **GREENHOUSE GASES—GHG**
- **NATURAL POLLUTANTS**

ATMOSPHERIC TRANSPORT

- LOCAL
- SHORT-RANGE
- LONG-RANGE
- TRANSBOUNDARY
- HEMISPHERIC
- GLOBAL
- SPECIAL CONDITIONS

CRITICAL LOADS AND LEVELS

EFFECTS OF

- **DEPOSITION - indirect**
- **CONCENTRATIONS - direct**

ABATEMENT

- **AT SOURCE (FUELS)**
- **AT COMBUSTION**
- **AT END-OF-PIPE**
- **PRODUCT CONTROL**

ABATEMENT (cont'd)

- **CONSUMER BEHAVIOUR**
- **INTERLINKAGE WITH CLIMATE CHANGE**
- **MINIMIZATION OF COST**

RATIONALE FOR AGREEMENT

- **VISION STATEMENT**
- **COMMON UNDERSTANDING**
- **SOUND SCIENCE**
- **RELIABLE MONITORING**
- **PRECAUTIONARY PRINCIPLE**

RATIONALE (cont'd)

- **TYPE OF AGREEMENT**
- **DIFFERENTIATED RESPONSIBILITIES**
- **EXEMPTIONS**
- **CONSTRAINTS**
- **REVISIONS**

ISSUES

- **DATA COLLECTION**
- **QUALITY CONTROL**
- **PRIORITIES**
- **NEGOTIATIONS IN PARALLEL WITH DATA COLLECTION**

NEGOTIATIONS

- **TERMS OF REFERENCE**
- **RULES OF PROCEDURE**
- **DELEGATIONS**
- **TIMETABLE**
- **LEAD COUNTRIES**
- **TENTATIVE TEXT**
- **RESOURCES**

INSTITUTIONAL ARRANGEMENTS

- **GOVERNING BODY (COP)**
- **SCIENTIFIC BODIES**
- **TECHNICAL BODIES**
- **MONITORING BODIES**
- **EXPERT GROUPS/TASK FORCES**
- **IMPLEMENTATION BODY**
- **SECRETARIAT**

EXISTING AGREEMENTS EXAMPLES

- **ASEAN HAZE**
- **CLRTAP**
- **CONVENTION AND PROTOCOL ON ODS**
- **UNFCCC AND KYOTO PROTOCOL**

PRACTICAL WAYS FORWARD

- **METHOD OF WORK**
- **PREPARATION OF DRAFT TEXT**
- **OPTIMIZATION OF RESOURCES**

TENTATIVE STEPS TOWARD A MULTILATERAL AGREEMENT ON LONG-RANGE TRANSBOUNDARY AIR POLLUTION

Lars Nordberg
Adviser

la.nordberg@tele2.se

**RECOGNIZE PRINCIPLE 21 OF
UN 1972 STOCKHOLM
CONFERENCE ON THE HUMAN
ENVIRONMENT**

**IDENTIFY MOST VULNERABLE
RECEPTORS (HUMANS, CROPS,
ECOSYSTEMS, WATERS,
MATERIAL)**

**IDENTIFY MOST RELEVANT AIR
POLLUTANTS THAT CAUSE
SIGNIFICANT DAMAGE (SO₂, N,
VOC, PM, HM, POPs, ETC)**

**IDENTIFY
INTERGOVERNMENTAL FORA
FOR COOPERATION AND
NEGOTIATION**

PREPARE A FIRST STEP FRAMEWORK AGREEMENT

**INCLUDE BASIC OBLIGATIONS
FOR EMISSION INVENTORIES,
POLLUTANT CONTROL,
MONITORING, RESEARCH,
REPORTING**

**INCLUDE PROVISIONS FOR
SUBSEQUENT EFFECTS-BASED
UNDERTAKINGS**

**PREPARE SEPARATE
PROTOCOLS WITH
DIFFERENTIATED OBLIGATIONS
ON EMISSION REDUCTION**

**CONSIDER BASE YEARS AND
TARGET YEARS FOR
IMPLEMENTATION OF
OBLIGATIONS AND
COMPLIANCE MONITORING**

**AIM AT WIDEST POSSIBLE
ADHERENCE OF COUNTRIES TO
AGREED INSTRUMENTS**