Co-benefits from Air Pollution Viewpoints
大気汚染の観点からみたコベネフィット・アプローチの意義

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Implications between climate change (CC) and air pollution (AP)
気候変動と大気汚染との関係

Impacts of CC actions to AP
- Reduction in SO2, aerosols
Cost reduction through integrated approach

Impacts of AP actions to CC
- AP reduction strategy for short-lived species (CH4, O3 and black carbon)

Needs for synergy
**Historical background**

- Activities Implemented Jointly (AIJ) in late 1990s clearly demonstrated co-benefits between climate change and air pollution, especially in Eastern Europe (benefits for human health).

- In relation to the Convention on Long-range Transport of Air Pollution (CLRTAP), the review of 1999 Gothenburg Protocol indicated an extended multi-pollutant, multi-effects approach.

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**Extended Multi-pollutant, Multi-effects Approach**

- Acidification
- Eutrophication
- Tropospheric ozone
- Climate change
- CO
- CH₄
- N₂O
- CO₂
- SO₂
- NOₓ
- NH₃
- PM10 / PM2.5
- NMVOC
- Urban air quality
- primary particulates
European costs for controlling air pollution and CO₂ emissions

Asian Challenge to Regional Air Pollution Sub-regional Networks
Acid Deposition Monitoring Network in East Asia (EANET)

**Participation:**
13 countries in East Asian region, which includes Northeast and Southeast Asia, that expressed their intention to participate in the Network.

**Achievements**
- **Agreement:** need for intergovernmental cooperation on air pollution
- **Network** of policy makers and experts
- **Harmonized methodologies** for monitoring
- Regional level **monitoring network** and high quality data
- Local network for air quality monitoring
- Report for policy makers

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**Governmental Meeting on Urban Air Quality**

**Objectives**
To support the efforts of Asian governments to arrive at more optimal air pollution abatement strategies for urban areas.

**First Meeting**
December 2006 in Yogyakarta
Requested for LTV

**Second Meeting**
November 2008 in Bangkok

Discuss the draft Long Term Vision for urban air quality in Asia for possible adoption

**LTV**
- Describes the desired state of UAQM
- Help inspire Asian cities and countries in the development of their AQM policies and programmes.
- Harmonizing methods and standards on urban air quality management in Asia.
Joint Meeting of Regional Air Pollution Network
(Asia-Pacific Atmospheric Partnership: APAP)
アジア地域の大気汚染ネットワーク合同会合（アジア太平洋地域大気パートナーシップ）

**Objectives**
The meeting is designed to facilitate closer cooperation among regional air pollution networks in Asia.

**Targets**
- Determine common goals they might share;
- Exchange information and expertise;
- Identify future challenges;
- Determine how best to share information with regional networks outside of Asia; and
- Develop a plan – formal or informal – for continuing cooperation and addressing serious commonly held challenges.

**Proposals**

- Initial dialogue through Japanese research project on “Possible regional framework to promote regional air pollution control and co-benefits with climate change (FY2009–2013)”

- Establishment of “Sub-group on Co-benefits between Air Pollution and Climate Change” under the proposed Asia-Pacific Atmospheric Partnership (APAP)