North-East Asia Clean Air Partnership (NEACAP): science-based, policy-oriented cooperation
Air Pollution

- Launched in 1993 by six North-East Asian countries, i.e. China, DPR Korea, Japan, Mongolia, RO Korea and Russia
- Supported by ESCAP (Secretariat)

Biodiversity

Climate Change

Desertification and Land Degradation
North-East Asian Context of Air Pollution

- Heavy reliance on fossil fuel use: e.g. 1/3 of global CO2 emissions
- High exposure of air pollution to the public
- Heavy impacts of transboundary air pollution
- Increasing public awareness and policy intervention

- Limited scope of bi/multilateral cooperation on air pollution
Multilateral platforms for addressing air pollution
Multilateral cooperation involving North-East Asia

North-East Asian Subregional Programme for Environmental Cooperation (NEASPEC, six NEA countries): focusing on coal-fired power plants

Acid Deposition Monitoring Network in East Asia (EANET, excluding DPRK)

Long-range Transboundary Pollutants in North-East Asia (LTP – China, Japan and ROK): modeling of source-receptor relationship
NEASPEC work on air pollution and process towards NEACAP

1996-2011
• Technical assistance on air pollution mitigation from coal-fired power plants

2010-2013
• Identifying new NEASPEC approaches and programme

2014-2017
• New programme on TAP assessment and subregional framework

3rd phase project components
(1) Air Pollution Abatement Plans; (2) SO2 Emission Regulation and Compliance; (3) Mongolian Power Plant Emission Standards; (4) Knowledge Transfer and Dissemination; (5) Demonstration Project and Management Modules

Holistic program (monitoring, modeling, impact assessment)
Connection between science and policy

New subregional strategy/ framework
Open and effective exchange of knowledge and data
Air pollution-climate interaction (SLCPs)
Study and Consultation towards NEACAP

Development of an overall perspective on a new mechanism (Expert consultation meeting, May 2014)

Assessment of data and technical approaches, and preparation of a joint modelling methodology (Consultation workshop, March 2015/ consultation with LTP experts, Nov 2015/ Nov 2016)

Modelling of transboundary air pollution and conduct a background study (mid-2015 - early 2017)

Formulation of the concept of a subregional framework on assessment and mitigation of transboundary air pollution (2016 and consultation in Dec 2016)

NORTH-EAST ASIA CLEAN AIR PARTNERSHIP

Comprehensive platform on air pollution in North-East Asia for science-based, policy-oriented cooperation

- Promote environmental cooperation, including its science, policy and technical aspects
- Enhance and further develop information and experience exchange
- Act as the key voluntary framework in addressing transboundary air pollution issues in North-East Asia
- Contribute, as appropriate, to the development of relevant national and subregional policies;
- Promote knowledge on environmental and human health aspects of air pollution.

Particulate Matter (PM2.5 and PM10) and Ozone, and other relevant pollutants, including Sulfur Oxides (SOx), Nitrogen Oxides (NOx), Black Carbon, Ammonia (NH₃) and Volatile Organic Compounds (VOCs).
### NEACAP Programmes

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<th>Activity</th>
<th>Description</th>
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<tr>
<td><strong>Exchanging information and data</strong></td>
<td>• Emission data, transport and deposition of target pollutants, emissions control technologies and national policies, and research on modeling and emission inventory</td>
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<td><strong>Coordinating with relevant mechanisms</strong></td>
<td>• Subregional emissions inventory, monitoring, transport and deposition modelling of air pollution, and integrated assessment modeling</td>
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<td><strong>Proposing potential technical and policy measures</strong></td>
<td>• Consultation meetings, technical and policy scenarios, and information exchange on emerging technologies and good practices</td>
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SOM: NEASPEC Senior Officials Meeting
SPC: Science and Policy Committee
WGs: Working Groups
TCs: Technical Canters
Building common information basis: **Emission Inventory**

What would be the need and the overall framework of NEACAP Emission Inventory?

How operationalize the EI that responds to the need of NEACAP’s work as well as scientific community?
Consensual knowledge through interdisciplinary studies and open platform: Scientific Assessment Report

What would be the approach to building consensual knowledge?

How should we carry out the analysis of the state, trend, impact of air pollution, and support policy responses?
Policy goals and measures: Integrated Assessment Modelling

What would be the approach to IAM as a tool for science-based, policy-oriented cooperation?

How should we carry out IAM?
Policy experiences and technology information: **policy dialogues**

What would be the approach to policy dialogues utilizing TPDAP process, IAM outcome, BAT approach, etc.?
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