

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



A

Air Pollution

B

Biodiversity

C

Climate Change

D

Desertification and Land Degradation

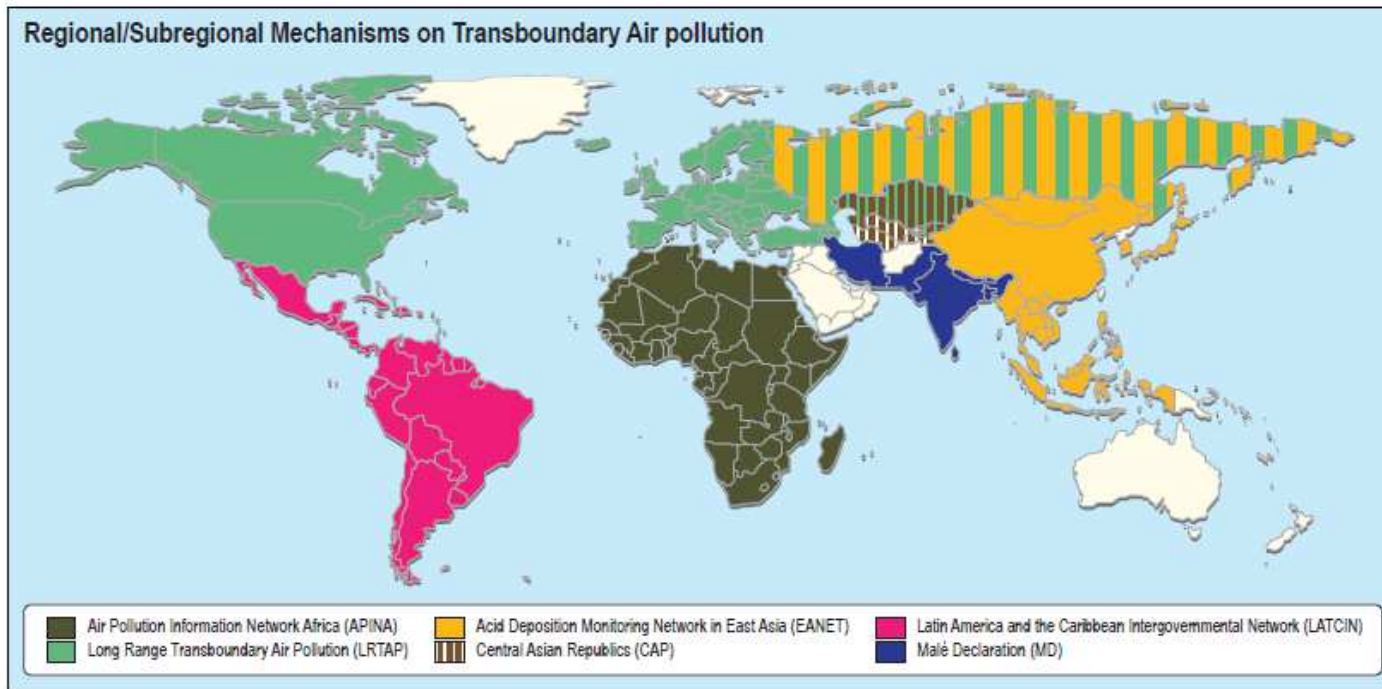
- **Launched in 1993 by six North-East Asian countries**, i.e. China, DPR Korea, Japan, Mongolia, RO Korea and Russia
- Supported by ESCAP (Secretariat)



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



HAZE ACTION ONLINE

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Understanding Haze and Haze
[Info on Fire and Haze](#)

Publications

- ASEAN Declaration on Transboundary Cooperation on Air Quality (2014)
- ASEAN Agreement on Transboundary Haze Pollution (1987)
- ASEAN Haze Agreement (1987)
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Haze Hotspot Map Today
[View the Haze Hotspot Map Today](#)

Recent News

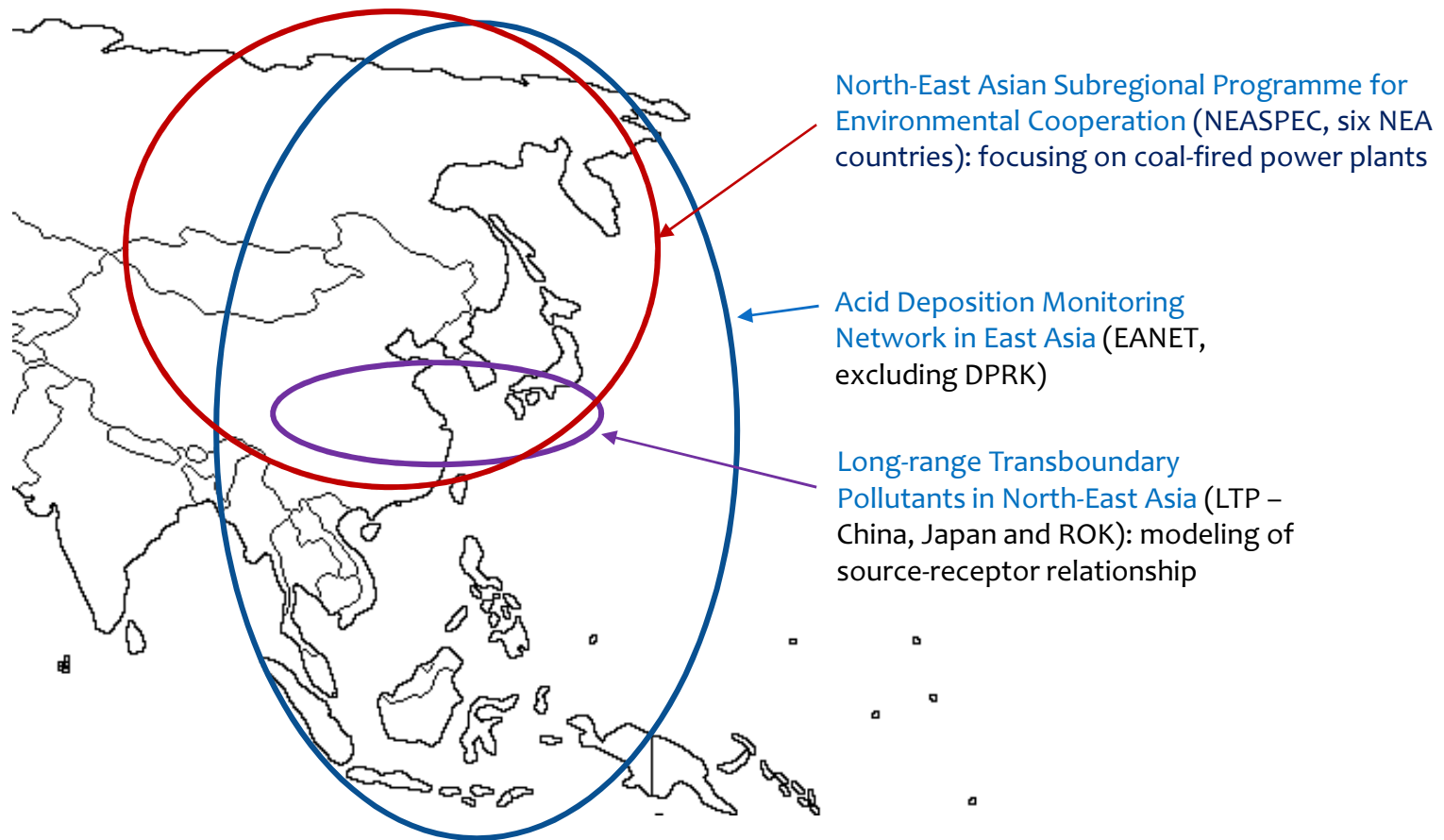
- INDIA REACTS TO THE PILING OF THE BURDEN OF AIR POLLUTION ON ASEAN NEIGHBORING STATES
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The hotspots depicted in the map are derived from the NOAA "5E" satellite. Hotspots are indicated when the area is at risk of exceeding the satellite pass to under study's seasonal rainfall.

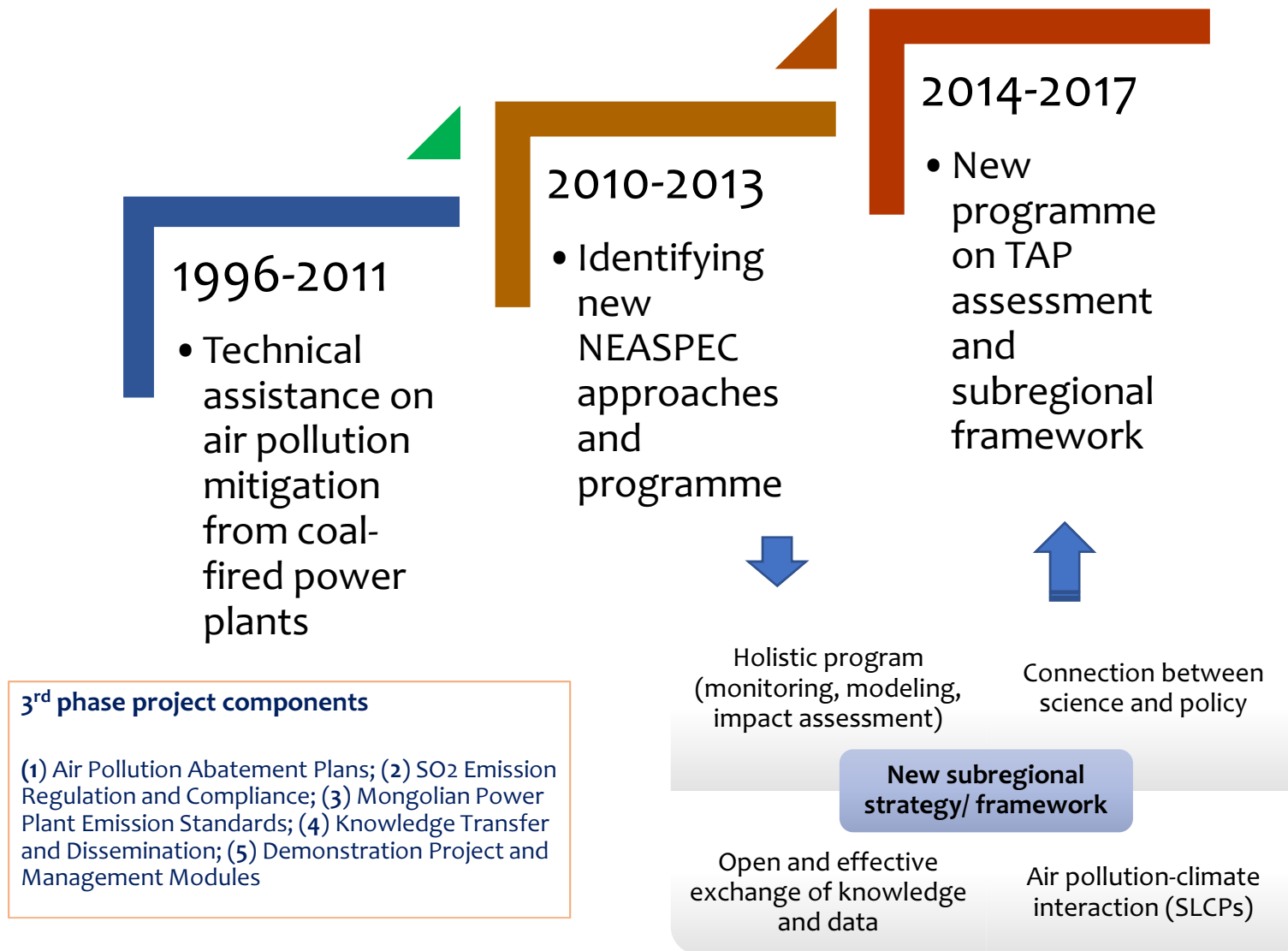


EANET Acid Deposition Monitoring Network in East Asia (EANET)

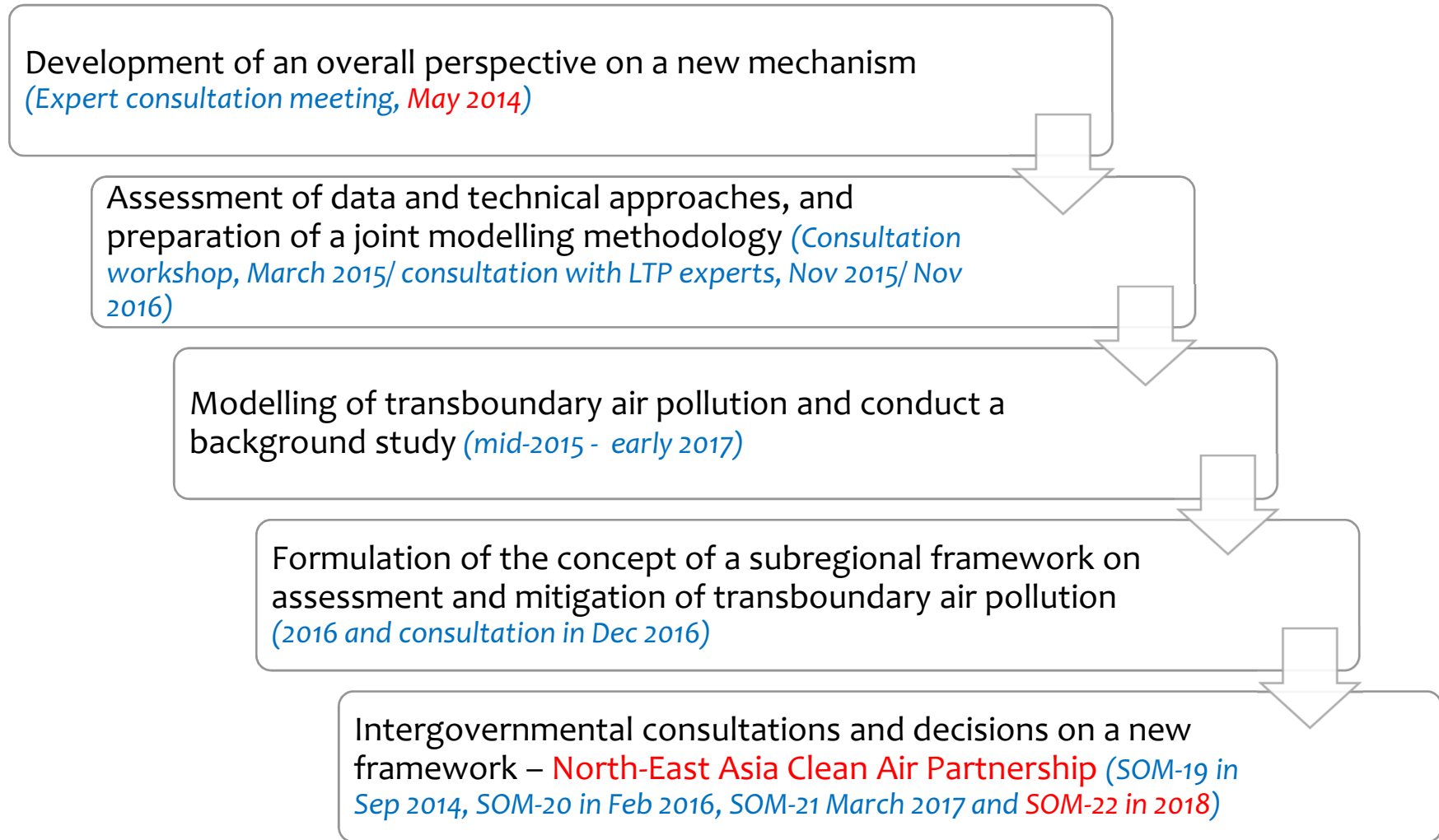
Multilateral cooperation involving North-East Asia



NEASPEC work on air pollution and process towards NEACAP



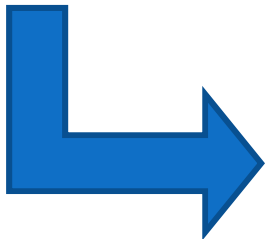
Study and Consultation towards NEACAP



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 (PM_{2.5} and PM₁₀) and Ozone, and other relevant pollutants, including Sulfur Oxides (SO_x), Nitrogen Oxides (NO_x), Black Carbon, Ammonia (NH₃) and Volatile Organic Compounds (VOCs).

NEACAP Programmes

Exchanging information and data

- Emission data, transport and deposition of target pollutants, emissions control technologies and national policies, and research on modeling and emission inventory

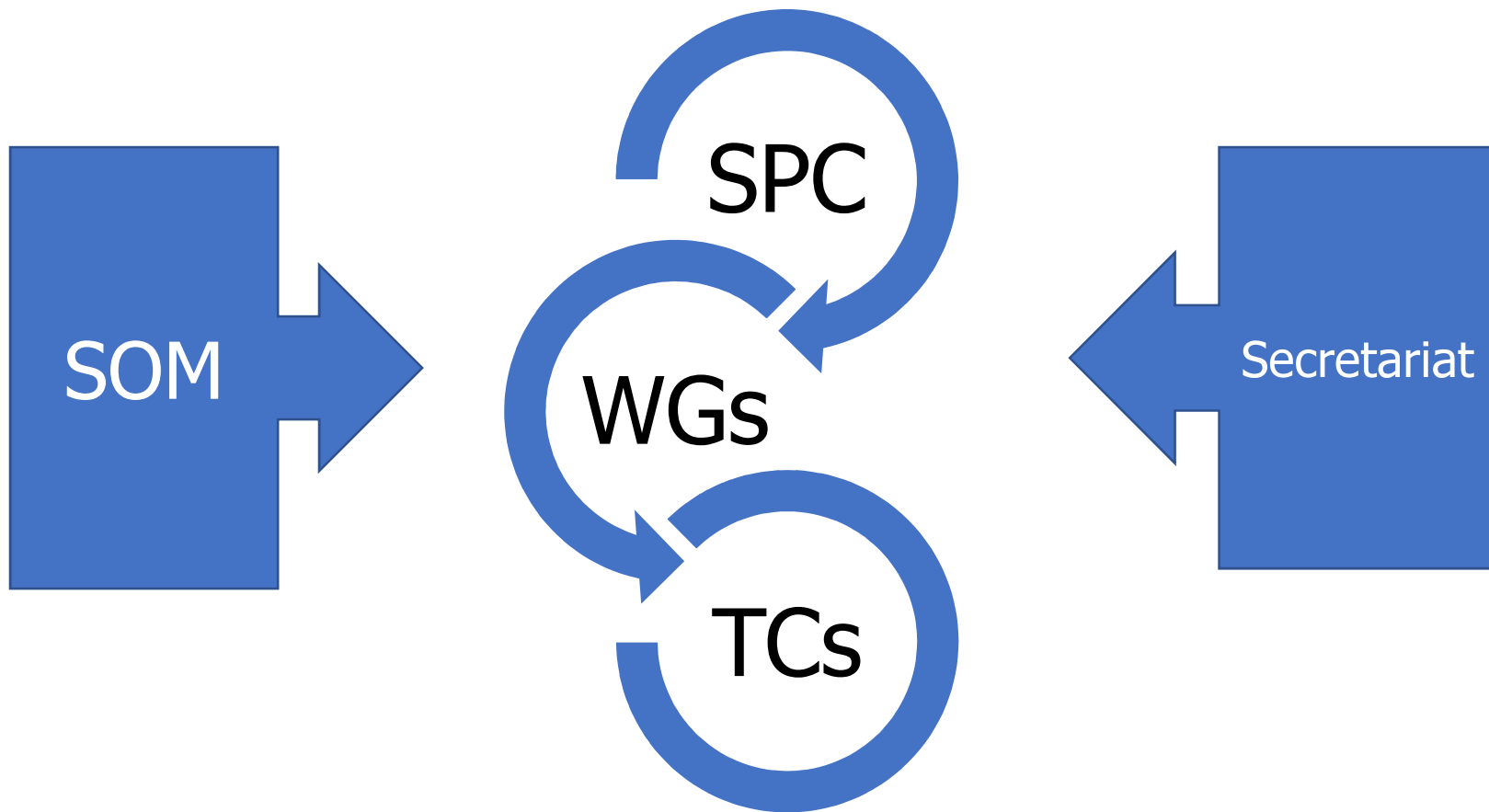
Coordinating with relevant mechanisms

- Subregional emissions inventory, monitoring, transport and deposition modelling of air pollution, and integrated assessment modeling

Proposing potential technical and policy measures

- Consultation meetings, technical and policy scenarios, and information exchange on emerging technologies and good practices

NEACAP Operation



SOM: NEASPEC Senior Officials Meeting

SPC: Science and Policy Committee

WGs: Working Groups

TCs: Technical Centers

Building common information basis: **Emission Inventory**

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GLOBAL INVENTORY

EDGAR (Emission Database for Global Atmospheric Research) – HTAP (Hemispheric Transport of Air Pollution) Emission Inventory: REAS, GAINS, EMEP, UNFCCC

REGIONAL INVENTORY pertaining to North-East Asia

Greenhouse Gas-Air Pollution Interactions and Synergies (GAINS) Asia

MIX Inventory: REAS, MEIC, CAPSS, ANL-India, PKU-NH₃

KORUS-AQ Inventory: CREATE, MEIC, CAPSS, ACAP, SEAC4RS

Regional Emission Inventory in Asia (REAS)

Comprehensive Regional Emissions Inventory for Atmospheric Transport Experiments (CREATE)

Intercontinental Chemical Transport Experiment-Phase B (INTEX-B)

NATIONAL INVENTORY in North-East Asia

China Multi-resolution Emission Inventory (MEIC)

Japan Auto-Oil Program Emission Inventory-Data Base (JEI-DB)

ROK Clean Air Policy Support System (CAPSS)

Annual overview of air emissions from major settlements and federal subject of the Russian Federation (by SRI Atmosphere)

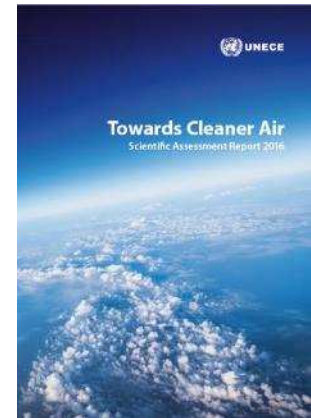
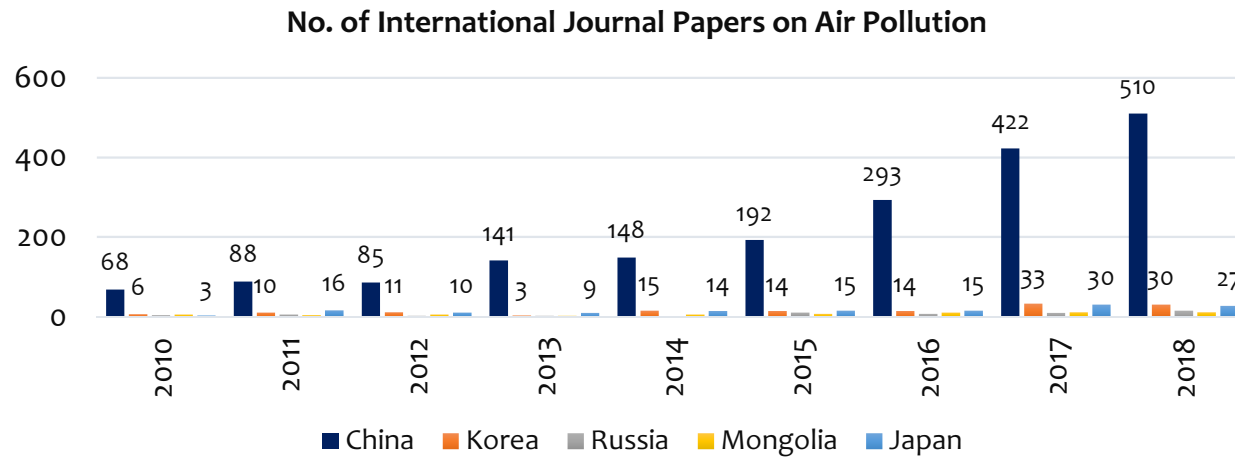
Annual compilation of air pollutants (by Mongolia National Agency for Meteorology and Environmental Monitoring)



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?

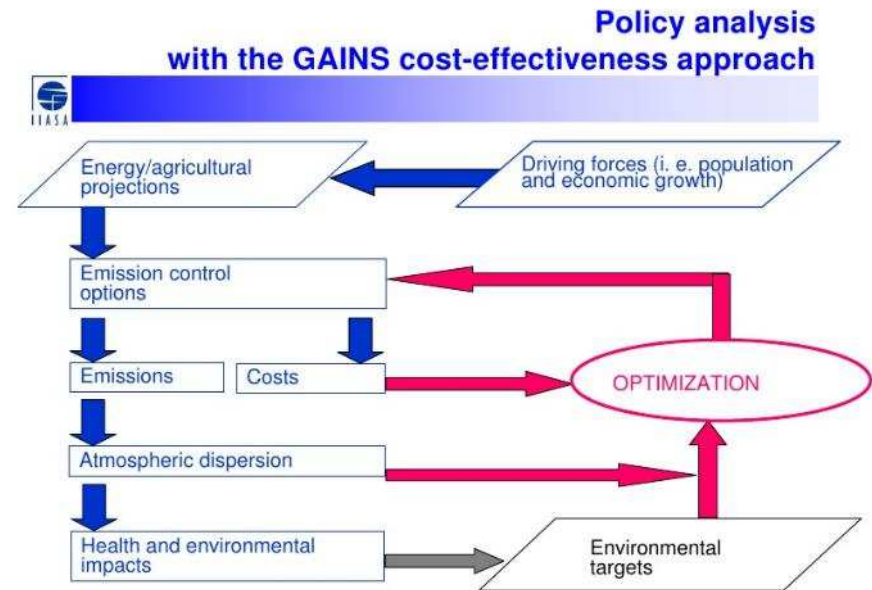
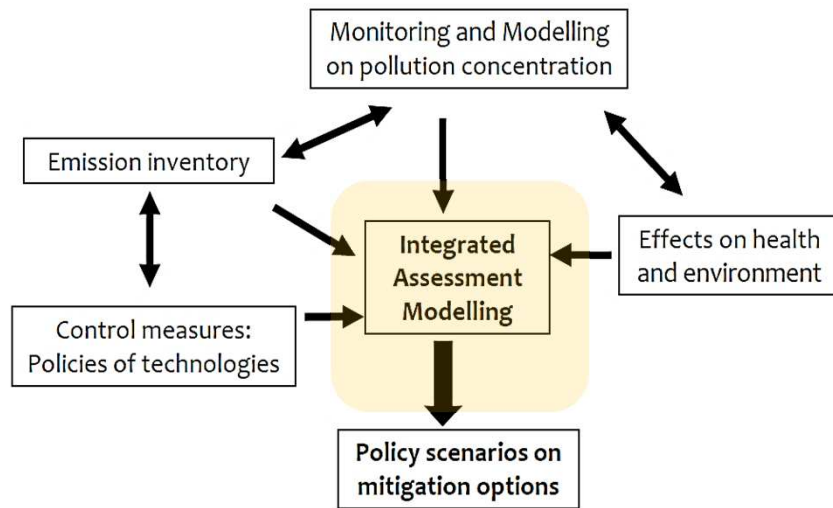
Consensual knowledge through interdisciplinary studies and open platform: **Scientific Assessment Report**



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.?

THANK YOU 谢谢 та бүхэнд баярлалаа
ありがとうございます 감사합니다 спасибо

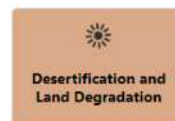


ROUNDTABLE ON THE FUTURE OF NORTH-EAST ASIA CLEAN AIR PARTNERSHIP AND 1ST...

The North-East Asia Clean Air Partnership
(NEACAP) was launched in October 2018 to
promote...



Five Thematic Areas



Meetings and Events



Roundtable on the Future of North-East Asia Clean Air Partnership and 1st SPC meeting of NEACAP

4-5 July 2019, Seoul, Republic of Korea

The North-East Asia Clean Air Partnership (NEACAP) was launched in October 2018 to promote science-based, policy-oriented cooperation to ensure the protection of the environment and human health from air pollution in North-East Asia.

NEASPEC BRIEFS

