



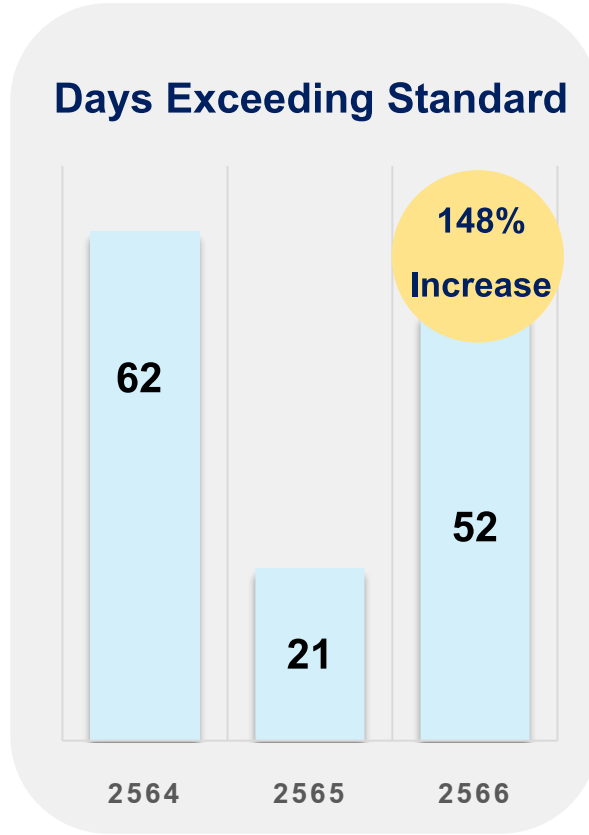
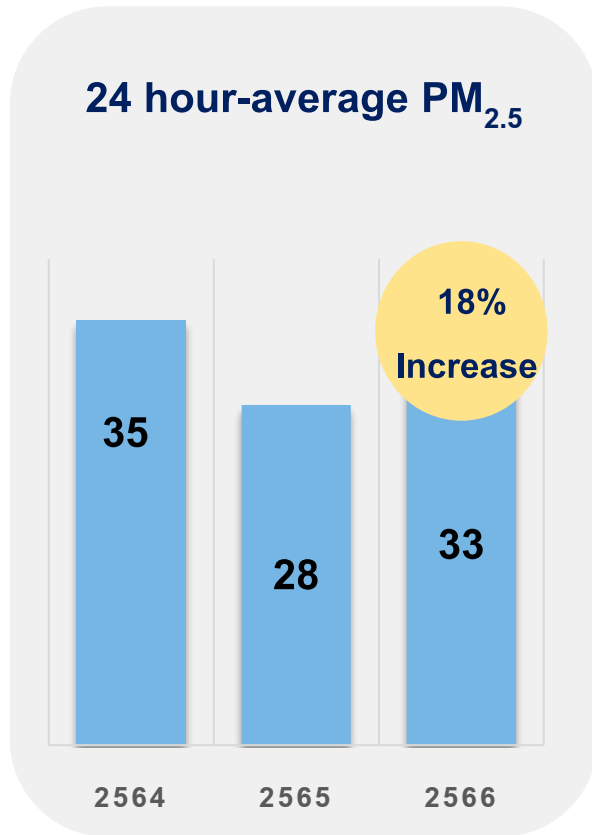
กรมควบคุมมลพิษ
POLLUTION CONTROL DEPARTMENT

“Thailand PM 2.5 Control”

Siwaporn Rungsiyanon
Pollution Control Department

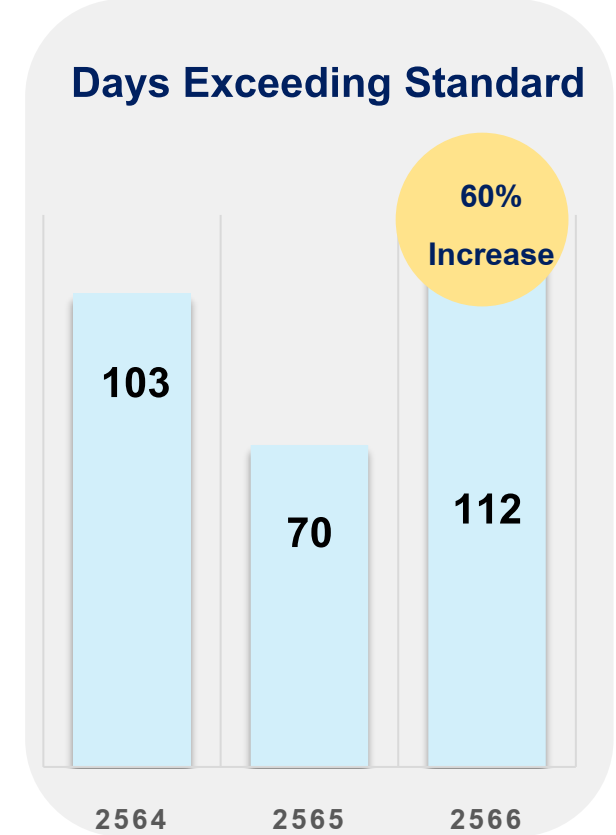
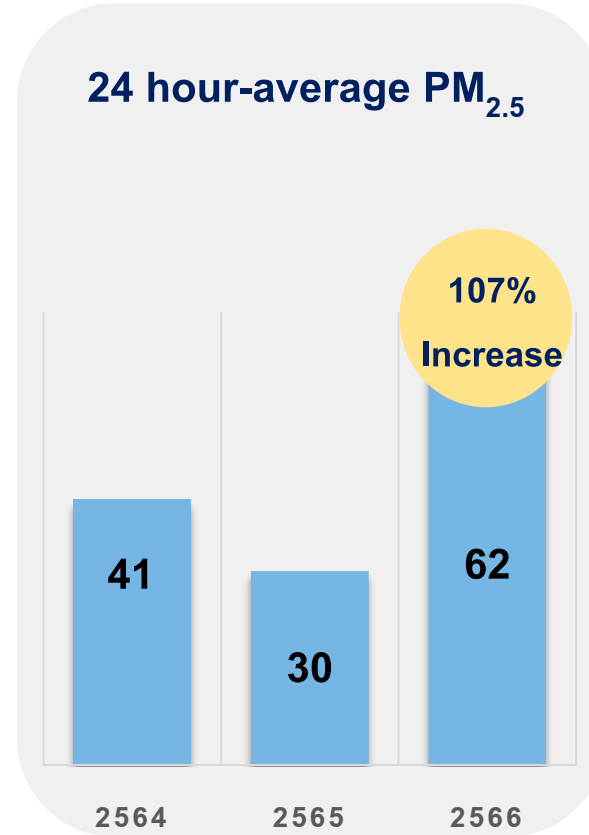
Situation

Bangkok Metropolitan



During November - March

North



During January - May

Policy and Action Taken

- ➔ Particulate Matters is Thailand National Agenda since 2019
- ➔ Yearly action plan for Particulate Matters mitigation year 2023
“3 areas” urban-forest-agriculture

7 measures

“Proactive Communication”

1. Enhance public relation and warning people in advance for 7 days when problems tend to occur

“Stepping Up Actions”

2. Step up measures to achieve the Action Plan to drive the national agenda on “Solving the Problem of Particulate Matter (PM2.5)” and relevant plans.
3. Step up fuel management (Systematic Fuel Management: BURN CHECK Collect and Use)
4. Closely command, supervise, and evaluate
5. Decrease hotspots/ prevent and control open burning/ develop Fire Danger Rating System (FDRS)
6. Enhance international mechanism in order to prevent and solve transboundary haze pollution

“Building Up Participation ”

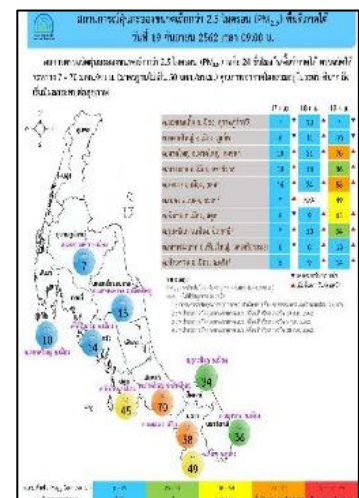
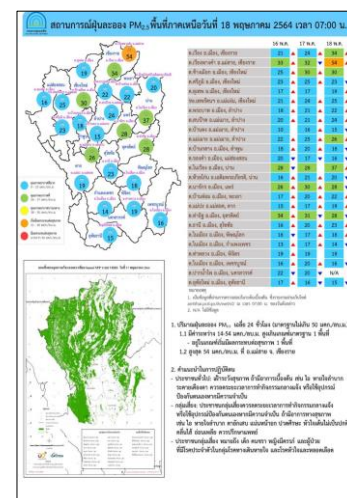
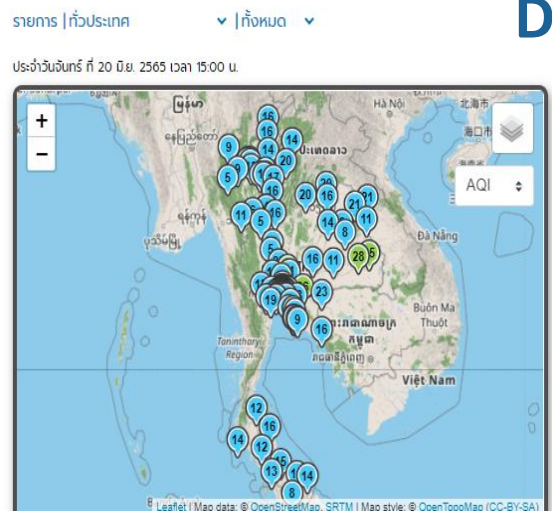
7. Promoting all stakeholder to join the particulate matter mitigation in the process of setting plan and solving problem

Communication



Social

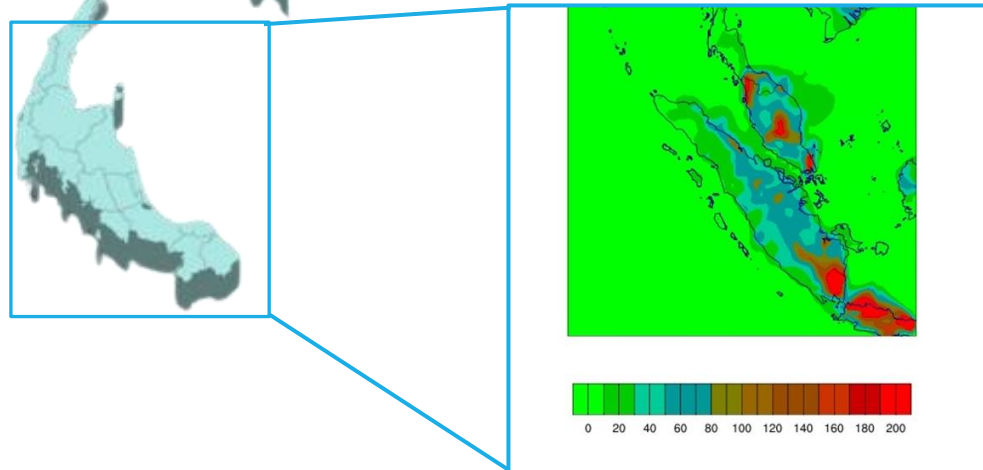
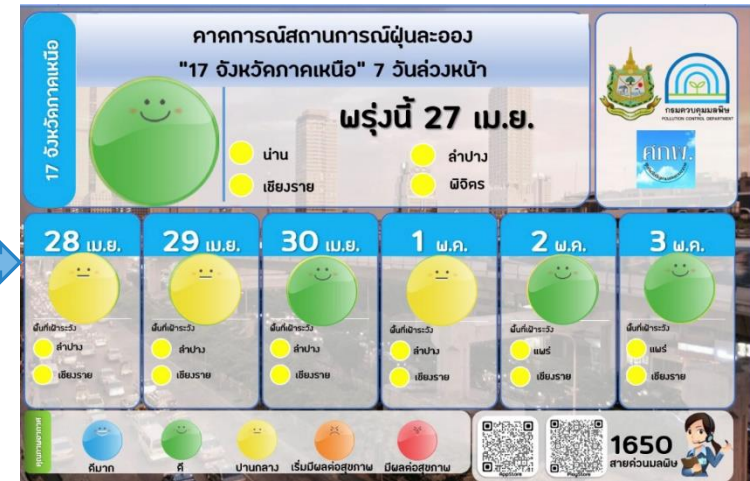
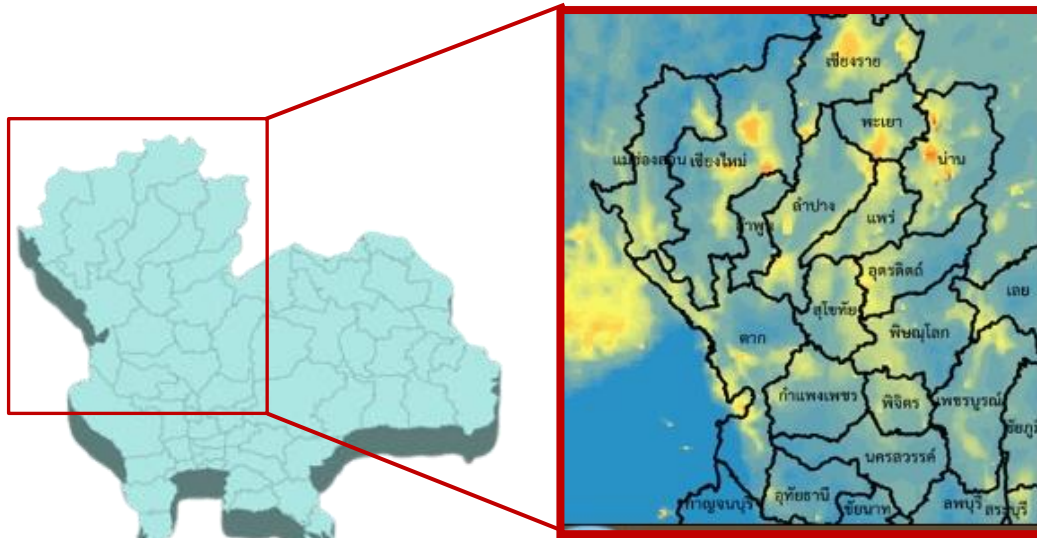
Daily Report



Application : **Air4Thai**

Website : **<http://air4thai.pcd.go.th>**

7-day PM2.5 forecast



Fuel management (Burn Check, Collect and Use)



Application for burning registration



BURN CHECK

ระบบบริหารจัดการเผาในที่โล่ง

อีเมล/รหัสประจำตัวประชาชน



รหัสผ่าน



เข้าสู่ระบบ

ลืมรหัสผ่าน

ลงทะเบียนใหม่



'CLEAR Sky Strategy' Lao PDR-Myanmar-Thailand

C – 'Continued Commitment,' to working closely towards the goal of reducing hotspots, as charted in the Chiang Rai Plan of Action adopted by five countries in the Mekong sub-region in 2017

L – 'Leveraging Mechanisms,' at all levels including through relevant bilateral mechanisms at local levels with Lao PDR and Myanmar

E – 'Experience Sharing,' by exchanging information and implementation of legislative measures

A – 'Air Quality Network,' whereby increased and concerted cooperation among air quality networks of countries in the sub-region are encouraged

R – 'Response,' that is effective and timely



CLEAR Sky Joint Action Plan

Short – database, fire risk map Medium – traceability, accreditation Long – sustainable land management

Laos-Myanmar-Thailand Fire Risk Platform

Layers 9 Map Satellite



Layer List



Fire Risk Map NOWCAST Bangladesh

Legend: No risk, Low, Moderate, High, Extreme

Ground PM2.5 Kolkata NOWCAST

GEOS-5 PM2.5 FORECAST

PM2.5 (µg/m³) Legend: Excellent, Satisfactory, Moderate, Unhealthy, Very Unhealthy

0 25 37 50 100

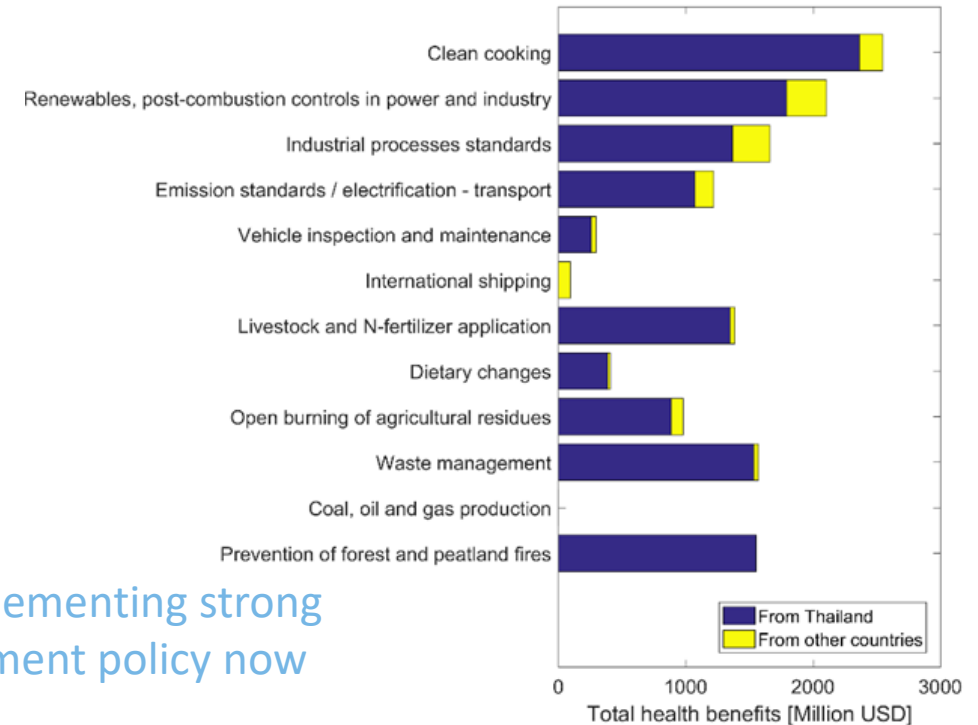
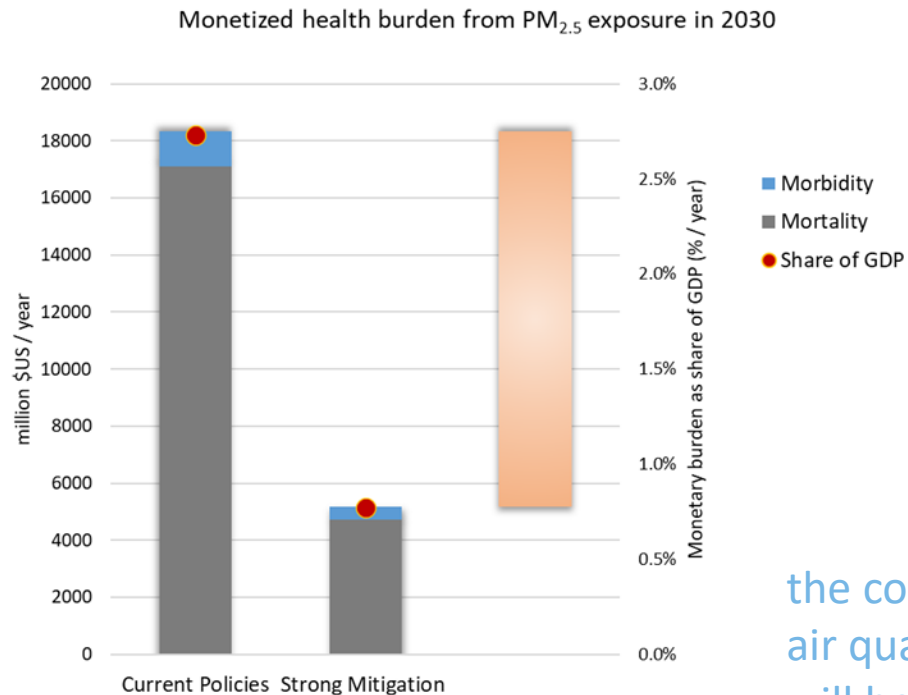
NOW 2023-03-18 08:00

ICT (UTC+7)



Google

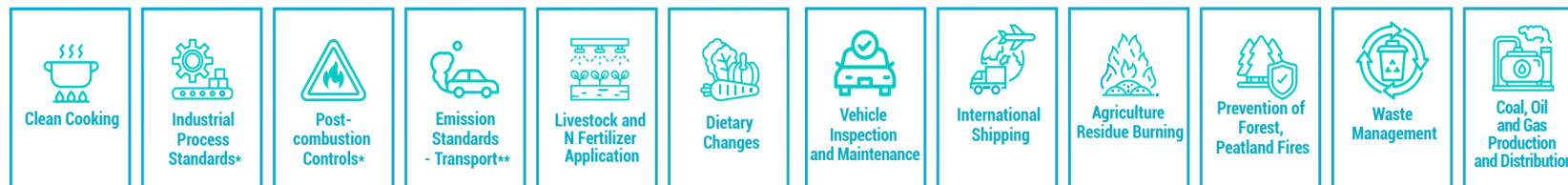
Cost of Inaction in Thailand & Transboundary Air Pollution



the cost of not implementing strong air quality management policy now will be a BIG LOSS

- [Left] Cost of inaction is significant (2.0% of Thailand's GDP in 2030)
- [Right] Implementation of all 12 solutions in the whole ASEAN region would bring another 0.6 billion USD per year of avoided damage costs in Thailand --> Thus, ASEAN needs to work together

12 SOLUTIONS





Thank You