Innovative Technologies and Applications for Urban Air Pollution Control

National Science and Technology Development Agency: NSTDA

Ministry of Higher Education, Science, Research and Innovation

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NSTDA at a glance

Circular and Green Economy
(Agriculture, Food, Tourism, Environmental friendly living, Sustainability)

Platform Technology / Frontier Research
Technologies towards Net Zero Emission (Thailand) : Our Analysis

GHG emission reduction

1. Bioenergy
2. Solar
3. Wind
4. H₂ energy
5. Nuclear
6. Energy Storage
7. Smart grid
8. Electrification
10. Improvement of IPPU (cement)
11. Improvement of IPPU (refrigerant)
12. Agricultural management
13. Circular economy and waste management

GHG capture

14. Carbon capture and utilization (CCU)
15. Carbon capture and storage (CCS)

Energy and Transportation
- Energy and electricity generation
- Transportation
- Energy in Industrial sector
- Energy in Household
- Energy in Buildings
- Energy for Agriculture

Cross-cutting approach
- Social sciences
- Financial and economic assessment and analysis
- Policy and Regulations (Tax, Incentives, Credit, Tariff, etc.)
- Life cycle assessment, Carbon footprint, Environmental assessment

Industrial Processing
Waste Treatment
Agriculture
Forestation and Land Use
Circular Economy and Net Zero Emission
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