



## **Assessing the Impact of Climate Policy on Economic Diversification and Workforce Transition in Southeast Asia**

### ***1. Submitting organization:***

ITA Committee on Underground Spaces

### ***2. Short description of the study:***

The proposed case study aims to explore the multifaceted impacts of climate policy implementation on economic diversification and the just transition of the workforce in Southeast Asia. This region, characterized by diverse economies and significant environmental challenges, offers a unique opportunity to understand both the positive and negative effects of climate policies. The study will focus on the energy sector, particularly renewable energy initiatives and energy efficiency measures, and their implications for economic transformation and job creation.

The objectives of the study are:

1. To assess the economic impacts of climate policies on different sectors, with a focus on renewable energy and energy efficiency.
2. To analyze the social impacts, particularly on workforce transition, including job creation, job displacement, and the quality of new jobs.
3. To understand the environmental benefits and potential trade-offs associated with these policies.
4. To provide policy recommendations for enhancing positive impacts and mitigating negative ones, ensuring a just transition for affected communities.

Methodologically, the study will use both qualitative and quantitative approaches. It will include stakeholder interviews, surveys, and economic modelling to gather comprehensive data. The study will also leverage existing research and collaborate with local experts to ensure context-specific insights.

### ***3. Geographical Region:***

Southeast Asia, with specific focus on Thailand, Vietnam, and Singapore.

### ***4. Area of climate policy:***

Renewable energy; Energy efficiency;

### ***5. Short description of the policy(ies):***

The policies under review include national and regional initiatives to promote renewable energy sources (solar, wind, hydro) and enhance energy efficiency across various sectors. These policies are part of broader climate action plans to reduce greenhouse gas emissions,



promote sustainable development, and foster economic resilience. The study will examine specific policies such as Indonesia's National Energy Policy, Vietnam's Power Development Plan, and the Philippines' Renewable Energy Act, analyzing their implementation strategies, achievements, and challenges.

**6. *Work programme Area to be covered by the Study:***

Economic diversification and transformation; Just transition of the workforce and creation of decent work and quality jobs ; Assessment and analysis of the impacts of the implementation of response measures (with a view to understanding the positive and negative impacts);

**7. *If the case study will cover assessment and analysis of the impacts of the implementation of response measures, the impacts to be studied:***

Social; Economic; Environmental;

**8. *If the case study will cover assessment and analysis of the impacts of the implementation of response measures, the type of assessment (Qualitative/Quantitative/Both):***

Both

**9. *If the case study will cover assessment and analysis of the impacts of the implementation of response measures, the methodology or tool used for impact assessment:***

Stakeholder interviews and surveys  
Economic modeling (input-output analysis)  
Social impact assessment tools  
Environmental impact assessment frameworks

**10. *Status of proposed case study:***

Case study is in progress or partially completed and will be continued in collaboration with the KCI

**11. *If the case study is completed and published, link to the case study:***

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**12. *Elaboration on how the submitter would contribute to the development of the case study:***

Contribution to the Development of the Case Study:

1. Human Resources: Provide a team of experts in climate policy, economic analysis, and social impact assessment.
2. Developing the Case Study: Lead the research design, data collection, analysis, and report writing, ensuring the study is comprehensive and actionable.