

EXPERT PROFILE

DR. SITI INDATI MUSTAPA

- Position: Director and Senior Lecturer
- Years of professional experience: 20 years
- Research Centre: Institute of Energy Policy and Research
- **Research Forte:** Energy and Environment, Transport, Energy Policy and Energy Sustainability.



EDUCATIONAL BACKGROUND

- University Name | PHD in Business Management@ UNITEN
- University Name | Master Degree in Computer Science@ UPM
- University Name | Bachelor of Science (Computer Science)@ UPM

PROFESSIONAL EXPERIENCE

Dr Siti Indati Mustapa is Director of Institute of Energy Policy and Research at Universiti Tenaga Nasional (UNITEN). She has vast industry experience spanning more than 20 years within the realm of energy research, energy policy, energy sustainability, greenhouse gas inventory, energy modeling and energy management. She is also Senior Lecturer at College of Energy Economics and Social Sciences. Dr Siti Indati works as a researcher and consultant on issue pertaining to energy sustainability and climate change. More specifically, her research focuses on energy environment and sustainability and designing policy to improve energy security. She has served in research consultancy and advisory capacities for the Ministry of Natural Resources (formally known as Ministry of Energy, Science, Technology, Environment and Climate Change - MESTECC), Energy Commission, Economic Planning Unit and Department of Statistics (Environment). She led a series of research project for MESTECC developing a roadmap to achieve the INDC target of Malaysia, including in-depth assessment of mitigation actions and developing the greenhouse gas inventory for Malaysia Energy Sector. She also led and completed the Greenhouse gas and Mitigation Chapters for Energy Sector for the Third National Communications and Second Biennial Update Report to UNFCCC. Dr Siti Indati is also a member of the Energy Research Institute Network (ERIN), an international academic network involve in preparing appropriate energy policy recommendations to energy policymakers in the East Asia Summit region. At UNITEN, Dr Siti Indati teaches classes on Principal Management, IT Governance, Energy Sustainability, Renewable Energy and Sustainability, and Database Systems. She had published in indexed journal such as Energy Policy (Elsevier); Journal of Cleaner Production (Elsevier); Sustainability (MDPI) and presented numerous papers in both local and international conferences.

KEY PROJECT HIGHLIGHTS:

1. Development of the Mitigation Analysis (Including Emission Projection) for Third National Communications (NC3).
2. Circular Economy on Urban Waste Water Treatment.
3. Greenhouse Gas (GHG) Inventory for Energy Sector and Industrial Processes.
4. A Roadmap of Emission Intensity Reduction in Malaysia.
5. An Inception report of Long-term roadmap on the 40% Reduction in Carbon Intensity.
6. Energy Efficient Pathways for the Transportation Sector in Malaysia.