

# 我國綠色能源科技之產業化應用及法制調和計畫

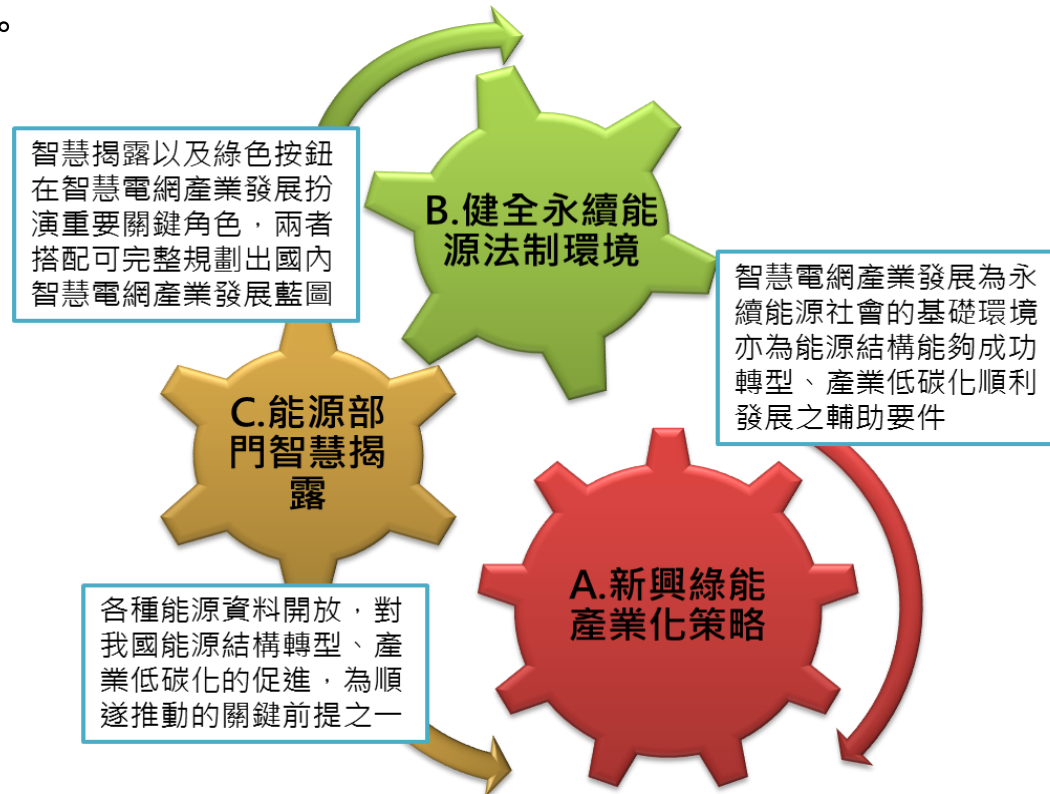
執行單位

中華經濟研究院

計畫主持人

溫麗琪

- 106年聚焦智慧電網產業，投入「新興綠能產業化策略」、「健全永續能源法制環境」及「能源部門智慧揭露」工作，目標為協助NEPII，檢視產業化發展重要課題，建立配套機制規範與協助布局突破。



- 完成61家台灣智慧電網企業問卷調查。台灣大廠生產自主性、資本獨特性、人脈槓桿能力、產品市場親合度大多中等/偏高；而市場多角化、獲利能力普遍中等或偏低。
- 完成我國2025年智慧電網發展情境，2025年確實達成安裝目標，共需150億電表裝置費用。讓電力選擇權重新回到終端用戶手中，每度電力的即時價值被突顯出來，需徹底改變過去對於低電價的長期路徑依賴模式。
- 「健全永續能源法制環境」研究定位在我國「能源科技整體法制之策略方針規劃」，協助能源國家型計畫，配合階段性管制目標，完備各項能源法制的推動措施與進程。
- 研究重點為因應「新興綠能產業推動策略」、「能源結構轉型發展策略」與「產業低碳化促進對策」，研析國際法制政策趨勢，並著重在地化調適，對應NEPII轉型規劃及「綠能科技產業創新推動方案」銜接需求，研提整體法制策略方針及規範調修建議。
- 智慧揭露應用於電力服務之關鍵要素，分別為資訊平台規範格式標準及保障隱私安全；企業發展服務建構選擇引擎、導入行為科學、運用人工智慧及提升信任關係；政府單位推動強化市場誘因及促進產業投入。

# Commercialization Strategy and Legal Framework for Green Energy Industries

Execution Unit

Chung-Hua Institution for Economic Research

Project Director

Wen, Lih-Chyi

- The research of “Completing Legal Environment for Sustainable Energy” is positioned as “planning of strategies and guidelines of holistic legal framework of energy-related technologies”, assisting the National Energy Program and in cooperation with all regulatory aims with phases, completing all promoting measures and process of legal frameworks of energy policies. The research focus is to come up with the holistic legal strategies and guidelines as well as suggestions on adjustments of related measures, corresponding to the “planning of strategies for different phases of development on the supply and demand structure of energy”, “strategies and assessment on the risk of decarbonization of the industry” and “developing and promoting strategies of the industry of new green power”

- The research is composed of three parts: New and Green Energy Industrialization Strategy, Completing Legal Environment for Sustainable Energy and Smart Data Disclosure of Energy Sector. The sub-project, New and Green Energy Industrialization Strategy, will be conducted by Chung-Hua Institution for Economic Research. The major methods used include data mining on Bloomberg data bank, survey on business based on the structure of Keystone Compact analysis and Technology Portfolio Planning. The second part of this project, Completing Legal Environment for Sustainable Energy, is regarded as the strategies and guidelines for a holistic legal framework for sustainable energy technologies. It will assist the National Energy Program to achieve all regulatory objectives in the phases of promotion and execution measures. The third sub-project, Smart Data Disclosure of Energy Sector, is intended to accelerate the big data development of Internet of Things (IoT) with the fact that many countries have already been promoting Smart Disclosure and Open Data Policy