

## **Han Phoumin**

### Profile

ERIA's Senior Energy Economist Dr Han Phoumin has more than 20 years of professional experience working at various international and inter-governmental organisations and multi-disciplinary research consortiums related to energy market and technologies, environment, integrated water resource management, governance, and economic development in the region of ASEAN and East Asia. He specialised in economic development and policy and applied econometrics. Much of his career in the past 12 years revolved around power sectors, especially with sustainable hydropower development, renewable energy policy research (i.e., biomass power generation competitiveness studies, solar and wind), energy efficiency and conservation, clean coal technology, energy security, and energy demand and supply forecasting. He has been serving as an expert for APEC on energy security for oil and gas emergency responses since 2013 until now. He is also one of the peer review experts for Peru's energy subsidy removal commissioned by USAID in 2015. He also has led a number of projects in the EAS region related to energy policy and planning, and also contributed articles and special issues for academic journals. In 2022, he joined Elsevier as a member of the International Advisory Board for Energy Policy.

### Expertise

Bio-Fuels;

Energy Efficiency and Savings;

Energy Security;

Energy Consumption and Forecasting; and

Water Resource Development and Management.

### Education

2004 - 2007

Doctor of Philosophy (PhD),

Economic development and policies, Kobe University

1998 -1999

Master of Science (MSc),

'Regional and Rural Development Planning', Asian Institute of Technology, Thailand

1996 - 1996

Postgraduate,

Environmental Science from Royal University of Phnom Penh

1990 - 1995

Bachelor of Science (BSc),

'Agriculture and Animal Production, Royal University of Agriculture, Cambodia

Experience

April 2020 - present      Senior Energy Economist, ERIA

2013 - March 2020      Energy Economist, ERIA

2010 - 2012

Programme Coordinator, Mekong Integrated Water Resources Management Project, Mekong River Commission Secretariat (MRCS) based in Lao PDR;

2008 - 2010      Senior Economist and Planning Specialist, Mekong River Commission Secretariat (MRCS) based in Lao PDR

2008

Research Fellow, and Programme Manager for Human Security, Peace Building, and Conflict Transformation Programme, and Social Development Research Department, Cambodia Development Resource Institute (CDRI);

2003 - 2004

Governance Analyst, United Nations Development Programme (UNDP) in Cambodia

2002 - 2003      Poverty Monitoring Specialist, United Nations Development Programme (UNDP) in Cambodia

2000 - 2001      District Field Officer / Sub-district Administrator, United Nations Transitional Administration in East Timor (under UNV assignment

1999 - 2000

Local independent consultant for World Bank's Country Assistance Strategy (CAS) for Cambodia 2001-2005 and World Bank's Cambodia Urban Water Supply and Sanitation Programme-Urban Water Supply Survey

1996 - 1997      Communication, Information and Documentation Assistant,  
UNDP/UNOPS CAREERE Programme

1993 -1996      Journalist, The Cambodia Daily Newspaper

ERIA Publications

Energy Security White Paper: Policy Direction for Inclusive and Sustainable Development for Lao PDR

Applicability of Comprehensive and Optimal Carbon-neutral Solutions in ASEAN in Energy Transition

Mitigating Extreme Volatility of LNG Prices in ASEAN: Impacts of High LNG Prices on Southeast Asia

Economic Impact of the Early Retirement of Fossil Power Plants

Large-Scale Development of Renewables in the ASEAN

Green Finance and Renewable Energy in ASEAN and East Asia