



THE ASEAN SCIENCE AND TECHNOLOGY FELLOWSHIP 2018/2019

Supported by the U.S. Agency for International Development and the U.S. Department of State, the ASEAN Science and Technology Fellowship develops a cadre of ASEAN scientists that can effectively influence the policymaking process at national and regional levels.

The U.S. Government, in partnership with the Association of Southeast Asian Nations (ASEAN), launched the inaugural ASEAN-U.S. Science and Technology (S&T) Fellowship in April 2014. Since then, the Fellowship have placed the emerging science leaders into government ministries to strengthen evidence-based policy making. The Fellowship also empowers young leaders to engage in policies that drive national priorities and impact the lives of citizens in ASEAN. This approach is modeled after the American Association for the Advancement of Science (AAAS) Fellowship, which has placed over 2,600 fellows in U.S. Government agencies for over 40 years.

The fellows are embedded within a government office in their home country for one year and work on a variety of tasks to help their offices, countries, and ASEAN. The programme also trains fellows to develop strong leadership skills and raises their awareness of ASEAN goals and objectives. Current and future fellows will form a network to continue to promote the programme and the importance of increased dialogue between scientists and policymakers.

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The ASEAN Science and Technology Fellowship 2018/2019 has gathered 17 fellows from 9 ASEAN Member States that are hosted by entities which support technical work in the following priority areas:



First piloted in 2014 with 6 Fellows. As of 2017, it had reached a combined total of 35 Fellows comprising 16 females and 19 males.



From 2014 - 2017, Fellowship topics ranged from Biodiversity, Water Management, Fisheries and Ocean Management, Sustainable Energy, Climate Change, Health, Disaster Management, to STI Policy.

1. Climate Change – to achieve the United Nations Framework Convention on Climate Change (UNFCCC) goals, and/or to mitigate and adapt on effects of climate change and related areas, using evidence-based scientific methods and harnessing Science, Technology, and Innovation (STI) – digital and disruptive technologies, etc. – for policy development,
2. Sustainable Energy – to enhance energy efficiency and conservation through leveraging on renewable energy and related areas using evidence-based scientific methods and harnessing STI for policy development,
3. Science, Technology, and Innovation Policy – to achieve UN SDGs using STI, and/or to capitalize on digital and disruptive technologies, and/or to nurture innovation start-ups and related areas through policy development.

THE GOALS

The ASEAN Science and Technology Fellowship is focused on bringing outside scientific knowledge and perspectives into the government and in creating new career experiences for participants. The goals are to:

- Advance regional cooperation on ASEAN strategic priorities;
- Strengthen science-based policy-making throughout targeted national government ministries and/or bodies; and
- Empower scientists in ASEAN to take a more prominent role in their respective countries' efforts to integrate into the ASEAN Community.



Ko Myint, a 2015/2016 fellow from Myanmar, developed a new university course on biodiversity that was adopted in all 66 national universities.



In 2016, Ms. Nofri Yenita Binti Dahlan, a 2015/2016 fellow from Malaysia, was invited to the Conference on Science Diplomacy at the AAAS Headquarters in Washington, DC.

PROFILES OF THE ASEAN SCIENCE AND TECHNOLOGY FELLOWS 2018/2019



Dr. Andery Lim

Brunei Darussalam

Area of Focus: Sustainable Energy

Host Ministry: Ministry of Energy and Industry



Dr. Chhuon Kong

Cambodia

Current work: Head of Research Unit Water and Environment,
Institute of Technology of Cambodia

Area of Focus: Climate Change



Dr. Fidero Kuok

Cambodia

Current work: Dean of Faculty of Chemical and Food Engineering
Institute of Technology of Cambodia

Area of Focus: STI Policy



Dr. Ahmad Agus Setiawan

Indonesia

Current work: Assistant Professor in Renewable Energy Systems & Planning at the
Department of Engineering Physics, Faculty of Engineering, Universitas Gadjah Mada

Area of Focus: Sustainable Energy

Host Ministry: Ministry of Research, Technology and Higher Education



Dr. Muhammad Makky

Indonesia

Current work: Dept. of Agricultural Engineering, Faculty of Agricultural Technology,
Andalas University, Indonesia

Area of Focus: Sustainable Energy, Science, Technology, and Innovation Policies, and Climate Change

Host Ministry: Ministry of Research, Technology and Higher Education





Dr. Sengphet Keokangdong

Lao PDR

Current work: Mechanical and Material Science Engineering, Faculty of Engineering, National University of Laos (NUOL)

Area of Focus: Science, Technology, and Innovation Policy

Host Ministry: Renewable Energy and Materials Institute (REMI)



Dr. Vimontha Khieovongphachanh

Lao PDR

Current work: Head of IT division, Faculty of Engineering, National University of Laos

Area of Focus: Science, Technology, and Innovation Policy

Host Ministry: Institute of Technology Computer and Electronic



Dr. Haslenda Hashim

Malaysia

Current work: Faculty of Chemical and Energy Engineering, Universiti Teknologi Malaysia

Area of Focus: Sustainable Energy and Science, Technology, and Innovation Policies

Host Ministry: Academy of Sciences of Malaysia



Professor Ir. Dr. Hazlina Selamat

Malaysia

Current work: Director of Centre for Artificial Intelligence & Robotics Electrical Engineering Faculty Universiti Teknologi Malaysia

Area of Focus: Science, Technology, and Innovation Policies

Host Ministry: Policy and Strategic Planning Division, Ministry of Science, Technology and Innovation



Kay Lwin Tun

Myanmar

Current work: Laboratory of Aquatic Bioscience, Department of Zoology, University of Yangon

Area of Focus: Climate Change

Host Ministry: Department of Fisheries, Ministry of Agriculture, Livestock and Irrigation



Thein Min Htike

Myanmar

Current work: Technological University, Gyogone

Area of Focus: Sustainable Energy

Host Ministry: Department of Research & Innovation, Ministry of Education





Dr. Joey D. Ocon

The Philippines

Current work: Department of Chemical Engineering, University of the Philippines Diliman

Area of Focus: Sustainable Energy and Climate Change

Host Ministry: Philippine Council for Industry, Energy and Emerging Technology, and Development



Dr. Michael Angelo B. Promentilla

The Philippines

Current work: Center for Engineering and Sustainable Development Research

Area of Focus: Sustainable Energy, Climate Change, and Science, Technology, and Innovation Policies

Host Ministry: Reseach Information, Communication and Utilization Division
Dept of Science and Technology, Philippines Council for Health Research and Development



Dr. Nipon Pisutpaisal

Thailand

Current work: King Mongkut's University of Technology North Bangkok

Area of Focus: Sustainable Energy



Dr. Nuwong Chollacoop

Thailand

Current work: Lab Head, Renewable Energy Laboratory National Metal and Materials Technology Center

Area of Focus: Sustainable Energy



Mr. Dung Duc Tran

Viet Nam

Current work: Researcher Center of Water Management and Climate Change

Area of Focus: Climate Change and STI Policy

Host Ministry: National Center for Hydro-Meteorological Forecasting (NCHMF)



Dr. Nguyen Trinh Minh Anh

Viet Nam

Current work: Lecturer Nong Lam University (University of Agriculture and Forestry), Hochiminh City

Area of Focus: Climate Change

Host Ministry: National Center for Hydro-Meteorological Forecasting (NCHMF)

