

## ESI-CIL Nuclear Governance Project Conference Series

# Nuclear Off-Site Emergency Preparedness and Response in the Aftermath of Fukushima

### CONTEXT AND AIM OF CONFERENCE

The accident at the Fukushima-Daiichi nuclear power plant, much like Chernobyl before, is a stark reminder of the critical role of off-site emergency preparedness and response (EPR) in nuclear accident management notwithstanding continuous improvements in nuclear safety worldwide. EPR is a matter of intrinsic international concern, not only between neighbouring States, but also globally, as shortcomings in EPR anywhere tend to undermine confidence in nuclear safety everywhere. Post-Fukushima, EPR therefore has been a special focal point of international regulatory attention.

This conference will address some of the major international public policy and legal challenges in nuclear EPR, by reviewing first the drive to harmonize EPR bilaterally, regionally and globally. It will then examine the present international normative setting of EPR, principally the IAEA-centred framework (including relevant conventions, safety standards, operational arrangements and services), and international nuclear emergency assistance arrangements (with a special focus on the role of IAEA's Incident and Emergency Centre). The conference concludes with a review of the present status of and future prospects for transboundary cooperation on nuclear EPR in the ASEAN region.

#### Date

Tuesday, 10 July 2018

#### Time

14:00-17:30

#### Venue

Holiday Inn Singapore  
Orchard City Centre  
Crystal Suite  
11 Cavenagh Road  
Singapore 229616

#### Enquiries

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[Click here to register](#)

*Admission is free but registration is required.*

### PROGRAMME

13:30 - 14:00: Registration

#### Session 1

14:00 - 14:10: **Welcome & Introduction**

*Dr Philip Andrews-Speed, Energy Studies Institute, National University of Singapore*

14:10 - 14:40: **Off-site Nuclear EPR: Post-Fukushima Challenges & Responses**

*Mr Bojan Tomic, ENCO, Vienna*

*Examines the policy reasons favouring close coordination of national nuclear EPR measures among neighbouring countries against the background of the Chernobyl and Fukushima accidents; and discusses emergency planning zones and distances.*

14:40 - 15:10: **The International Normative Setting of EPR**

*Professor Gunther Handl, Tulane University, New Orleans*

*Reviews basic international legal EPR requirements and discusses IAEA safety standards, operational arrangements and services, as well as complementary EPR efforts by other organizations and the nuclear industry.*

15:10 - 15:30: **Q&A**

#### Session 2

Session Chair: *Professor Gunther Handl, Tulane University, New Orleans*

16:00 – 16:30: **Nuclear Emergency Assistance: Global, Regional and Bilateral Arrangements**

*Mr João Oliveira Martins, Portuguese Environment Agency, Lisbon*

*Explores emergency assistance during the early stages of a nuclear accident and the international assistance framework centred on the 1986 Assistance Convention, its mechanisms and the IAEA's special role in it.*

16:30-17:00: **Nuclear EPR in the ASEAN Region**

*Dr Tumnoi Yutthana, Office of Atoms for Peace, Bangkok*

*Provides an overview of nuclear EPR co-operation in the region, its problems and prospects; and discusses regionally important lessons to be learned from the European (including the Nordic) experience*

17:00 – 17:30: **Q&A and Panel Discussion**

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## SPEAKERS

**Professor Günther Handl** is the Eberhard P. Deutsch Professor of Public International Law at Tulane University Law School. He holds law degrees from the University of Graz (Dr. iur.), Cambridge (LL.B.) and Yale (SJD). He is the author of several books and many articles in the field of public international law, international environmental law, law of the sea and nuclear energy law. Professor Handl is the recipient of a number of awards, including the Prix Elisabeth Haub, 1997. He has served in an advisory capacity to various governments and international organizations, including the Nuclear Energy Agency of the OECD. He is Senior Project Consultant on “Policy and Law for Nuclear Safety and Security” at the National University of Singapore.

**Mr. Bojan Tomic** is Principal Consultant at ENCO and has been in the international nuclear sector for more than 30 years. His experience covers the design and construction of NPPs, operational support, assessment, safety enhancements all the way to the planning of decommissioning of nuclear facilities. Mr. Tomic possesses a very broad International experience in EPR training and safety reviews in Europe, Asia and the Americas. He has detailed understanding of the nuclear plans and arrangements in SE Asia, through project implementation in Thailand, Malaysia and China, with strong links in other ASEAN countries including Indonesia and Vietnam.

**Sr João Miguel de Oliveira Martins** holds a degree in Geophysics by the Faculty of Sciences of the Lisbon University, Portugal. Since 2014, Sr Martins has been the head of Emergency Preparedness and Response Unit of the Portuguese Environment Agency. This Unit is responsible for the national preparedness and response for radiological and nuclear emergencies and for Civil Planning for the Environment. He is the National Officer for the INES Scale of the IAEA, the national representative at the Emergency Preparedness and Response Standard Committee of the IAEA, and at the Working Group for Nuclear Emergencies of the NEA.

**Dr. Yutthana Tumnoi** is Senior Radiation Biologist at the Office of Atoms for Peace (OAP), Bangkok. He received his Bachelor’s Degree in Marine Science and Graduate Diploma in Nuclear Technology from Chulalongkorn University in 1997 and 2001, respectively. He had been working for the Office of Atoms for Peace (OAP), as a Nuclear Scientist from 1997 to 2002. He was awarded a PhD degree in 2007 in Radiation Biology at the University of Portsmouth, UK. He then became a Radiation Biologist at OAP focusing on environmental radioactivity monitoring. Dr. Tumnoi has been the regional coordinator of the IAEA & EU-funded projects in Radiological and Nuclear Emergency.

**Dr Alistair D. B. Cook** is Coordinator of the Humanitarian Assistance and Disaster Relief Programme and Research Fellow at the Centre for Non-Traditional Security Studies (NTS Centre), S. Rajaratnam School of International Studies (RSIS), Nanyang Technological University (NTU) in Singapore. His research interests focus geographically on the Asia-Pacific and Myanmar in particular, and thematically on humanitarian assistance and disaster relief (HADR), foreign policy and regional cooperation. He has recently published *Negotiating Access to Populations of Concern in Southeast Asia* (Pacific Review, 2018) & co-edited *Civilian Protection in the Twenty-First Century: Governance and Responsibility in a Fragmented World* (Oxford University Press, 2016).

**Dr Philip Andrews-Speed** is a Senior Principal Fellow at the Energy Studies Institute, National University of Singapore (NUS). He has 35 years in the field of energy and resources, starting his career as a mineral and oil exploration geologist before moving into the field of energy and resource governance. Recent books include *The Governance of Energy in China: Transition to a Low-Carbon Economy*. Philip is the Principal Investigator for the NUS research project Policy and Law for Nuclear Safety and Security.