

## **ADRFI-2 Programme Concluding Workshop on Risk Assessment and Risk Financing Pillars**

**12 July 2023, Yogyakarta, Indonesia  
Yogyakarta Marriott Hotel, 0900 - 1700 (GMT +7)**

### **SYNOPSIS**

Natural catastrophe (NatCat) losses from natural disasters in the ASEAN region are often under- or un-insured and often overwhelm Governments' current risk bearing capacity. This leaves a substantial part of the loss to be borne by society, which further strains Governments' budget in providing disaster relief and subsequent reconstruction. ASEAN has in recent years stepped up collective efforts towards regional Natural Catastrophe (NatCat) disaster relief and risk mitigation with the ASEAN Disaster Risk Financing and Insurance (ADRFI) Roadmap developed in 2011. The ASEAN Disaster Risk Financing and Insurance – Phase 2 (ADRFI-2) Programme initiated under this Roadmap has an overall goal of strengthening ASEAN's disaster risk management capabilities, complementing the efforts of public-private disaster risk financing and insurance solutions. ADRFI-2 as approved by the ASEAN Finance Ministers at the ASEAN Finance Ministers Meeting in April 2018, has pillars that focus on Risk Assessment and Risk Financing Advisory that are led by the Institute of Catastrophe Risk Management (ICRM), Nanyang Technological University (NTU), Singapore.

Under ADRFI-2, ICRM has been working closely with ASEAN Member States (AMS) participating in ADRFI-2 via a series of bilateral engagements and workshops that focused on a stock-take and assessment of AMS' individual portfolio of NatCat risks, and on the AMS risk bearing capacity and risk financing options. Together with ACSCC-DRFI, four ADRFI-2 Workshops have been held to date on the ADRFI-2 outcomes. An ADRFI-2 Platform has further been developed for an online risk analysis. This Platform allows AMS to interactively view their risk exposure and explore risk financing options, the latter via an embedded Risk Financing Toolkit. A series of workshops on Platform use has been conducted, with the most recent being Train-the-Trainers (T3) workshops conducted bilaterally with 6 AMS. Platform outputs are expected to be useful to inform on cost efficiency of financing options and support prioritization of risks from national development and economic perspectives.

This ADRFI-2 Concluding Workshop on 12 July 2023 will mark the conclusion of the ADRFI-2 Programme by having presentations of ADRFI-2 achievements to the ACSCC-DRFI and other ASEAN agencies present. Presentations by international organizations on DRFI implementation and challenges are also included. Regional and sub-regional risk pooling possibilities as supporting collective financial resilience against natural disasters will also be presented and discussed. Lastly, a Platform Training Session is also scheduled following the main Workshop program, reinforcing the recently conducted T3 workshops.

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<b>ADRFI-2 Concluding Workshop: Main Program</b>	
<b>Time</b>	<b>Sessions</b>
0830 to 0900	<i>Registration</i>
0900 to 0920	<p><i>Welcome and Opening Remarks</i></p> <p><b>Ibu Yogi Rahmayanti</b> ACSCC-DRFI Chair Director of Center for Regional and Bilateral Policy Fiscal Policy Agency, Ministry of Finance, Indonesia</p> <p><b>Professor Tso-Chien Pan</b> Executive Director, ICRM, Nanyang Technological University, Singapore</p>
0920 to 1020	<p><i>Session 1: ADRFI Status and Future Development</i></p> <ol style="list-style-type: none"> <li>1. <i>Review of ADRFI-2 Programme</i> <b>Professor Tso-Chien Pan</b> Executive Director, ICRM, Nanyang Technological University, Singapore</li> <li>2. <i>Regional Collaboration by Risk Pooling</i> <b>Dr Shaun Wang</b> ICRM ADRFI-2 Team, ICRM, Nanyang Technological University, Singapore</li> <li>3. <i>Public Asset Insurance in Indonesia</i> <b>Pak Encep Sudarwan</b> Director of State Asset Policy (PKKN) Directorate General of State Assets Management (DJKN), Indonesia</li> </ol>
1020 to 1040	<b>Coffee/Tea Break</b>
1040 to 1140	<p><i>Session 2: Natural Catastrophe Data and Models</i></p> <ol style="list-style-type: none"> <li>1. <i>AI Assisted 3D Reconstruction of Cities</i> <b>Dr Roy Kuo-Shih Shao</b> Senior Principal Researcher, Chief of Natural Disaster Risk Information Analysis Group Disaster Prevention Technology Research Center, Sinotech Engineering Consultants, Inc.</li> <li>2. <i>Global Earthquake Hazard and Risk Models for Loss Estimates</i> <b>Dr Marco Pagani</b> Seismic Hazard Coordinator, GEM Foundation Adjunct Professor, ICRM, Nanyang Technological University, Singapore</li> </ol>

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	<p><b>3. <i>State of the Practice in Modelling Flood Risk and Risk Reduction</i></b> <b>Dr Pradeep Mandapaka</b> Technical Director JBA Risk Management</p> <p><b>4. <i>Stochastic Wind Risk Model for SE Asia</i></b> <b>Dr Jian Wei</b> Senior Research Fellow ICRM, Nanyang Technological University, Singapore</p>
1140 to 1200	<p><b><i>Use of ADRFI-2 Platform in Risk Assessment and Risk Financing Advisory</i></b></p> <p><b>1. <i>Platform Demonstration</i></b> <b>ICRM ADRFI-2 Team</b> ICRM, Nanyang Technological University, Singapore</p> <p><b>2. <i>Stock-take of Recent Platform Training Activities</i></b> <b>ICRM ADRFI-2 Team</b> ICRM, Nanyang Technological University, Singapore</p>
1200 to 1300	<p><b><i>Lunch</i></b></p>
1300 to 1400	<p><b><i>Session 3: DRFI Implementation and Challenges</i></b></p> <p><b>1. <i>Market-Based Disaster Risk Financing in ASEAN – Using Catastrophe Bonds</i></b> <b>Mr Kensuke Molnar-Tanaka</b> Head of Asia Desk, Development Centre Organisation for Economic Co-operation and Development (OECD), Paris, France</p> <p><b>2. <i>Managing Complex Shocks: Financing Response, Recovery, and Reconstruction</i></b> <b>Atty. Lesley Jeanne Y. Cordero</b> Senior Disaster Risk Management Specialist World Bank East Asia and the Pacific</p> <p><b>3. <i>ASEAN+3’s SEADRIF Initiative</i></b> <b>Professor Yoshihiro Kawai</b> Chair SEADRIF Insurance Company</p> <p><b>4. <i>Collective Action on Asia’s Protection Gap – Accelerating Disaster Risk Management in an Increasingly Risky World</i></b> <b>Mr Conor Donaldson</b> CEO Global Asia Insurance Partnership</p>

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1400 to 1500	<p><i>Panel Discussion: Next Steps for ADRFI</i></p> <p><i>Panel 1: Head of Delegation from ID, MY, PH, SG, and TH;</i>  <b>Moderator: Atty. Lesley Jeanne Y. Cordero</b>          Senior Disaster Risk Management Specialist          World Bank East Asia and the Pacific</p> <p><i>Panel 2: Head of Delegation from BN, KH, LA, MM, and VN;</i>  <b>Moderator: Mr Andreas Bollmann</b>          ICRM ADRFI-2 Team          ICRM, Nanyang Technological University, Singapore</p>
1500 to 1510	<p><i>Closing Remarks</i></p> <p><b>Ibu Yogi Rahmayanti</b>          ACSCC-DRFI Chair          Director of Center for Regional and Bilateral Policy          Fiscal Policy Agency, Ministry of Finance</p> <p><b>Professor Tso-Chien Pan</b>          Executive Director, ICRM, Nanyang Technological University, Singapore</p>

<b>ADRFI-2 Concluding Workshop: Training Session on ADRFI-2 Platform</b>	
1510 to 1530	<b>Coffee/Tea Break; IT Facilitation/Setup</b>
1530 to 1535	<p><i>Opening Remarks</i></p> <p><b>Prof Tso-Chien Pan</b>          Executive Director, ICRM, Nanyang Technological University, Singapore</p>
1535 to 1615	<p><i>ADRFI-2 Platform – Dashboard Essentials on Risk Exposures and Risk Assessments</i></p> <p><b>ICRM ADRFI-2 Team</b>          ICRM, Nanyang Technological University, Singapore</p>
1615 to 1655	<p><i>ADRFI-2 Platform – Understanding Risk Financing Structures and Operation of the DRFI Toolkit</i></p> <p><b>ICRM ADRFI-2 Team</b>          ICRM, Nanyang Technological University, Singapore</p>
1655 to 1700	<p><i>Discussion and Closing Remarks</i></p> <p><b>Professor Edmond Lo</b>          Deputy Director, ICRM, Nanyang Technological University, Singapore</p>