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ECONOMIC AND SOCIAL COMMISSION FOR ASIA AND THE PACIFIC (ESCAP)  
UNITED NATIONS DEPARTMENT OF ECONOMIC AND SOCIAL AFFAIRS (DESA)

**Workshop on  
SDG7 Implementation in Asia and the Pacific  
The National Expert SDG Tool for Energy Planning (NEXSTEP) and  
the Asia Pacific Energy and Resource Modelling Platform**

**Meeting Room – A, UNCC, Bangkok, 19-21 March 2019**

**AGENDA**

**Day 1: Tuesday, 19 March 2019**

<b>Time</b>	<b>Content</b>
08:30 - 09:00	Register
09:05 - 09:15	<b><u>Session 1: Opening of the workshop</u></b>  <i>Opening remarks</i> <ul style="list-style-type: none"><li>Mr. Kaveh Zahedi Deputy Executive Secretary, Sustainable Development, United Nations Economic &amp; Social Commission for Asia Pacific (ESCAP)</li></ul> <i>Welcome remarks</i> <ul style="list-style-type: none"><li>Mr. Minoru Takada Team Leader (Sustainable Energy), Division for Sustainable Development Goals, DESA</li></ul>
09:15 - 09:30	<ul style="list-style-type: none"><li>➤ Group photo (on the side of CR - 4)</li><li>➤ Morning coffee break (in front of MR - A)</li></ul>
09:30 - 11:30	<b>Session Moderator:</b> Ms. Lana Zaman, Energy Division  <i>Global status and progress of SDG7</i> <ul style="list-style-type: none"><li>Mr. Minoru Takada Team Leader (Sustainable Energy), Division for Sustainable Development Goals, DESA</li></ul> <i>SDG7 status and progress in Asia and the Pacific by ESCAP</i> <ul style="list-style-type: none"><li>Mr. Hongpeng Liu, Director, Energy Division, ESCAP</li></ul> <i>SDG7 implementation in Africa</i> <ul style="list-style-type: none"><li>Mr. Monga Mehlwana Industrialisation and Infrastructure Officer, Division of Private Sector Development and Finance, ECA (TBC)</li></ul> <i>Financing 2030 energy transition</i>

	<ul style="list-style-type: none"> <li>▪ Mr. Kee-Yung Nam Principal Energy Economist, Energy SG, ADB</li> </ul> <p><b><u>Session 2: NEXSTEP – methodology, plan and expected outcome</u></b></p> <p><b>Session Moderator:</b> Mr. Michael Williamson, Energy Division</p> <p><b><i>NEXSTEP concept</i></b></p> <ul style="list-style-type: none"> <li>▪ Mr. Michael Williamson, Chief of Section, Energy Division, ESCAP</li> </ul> <p><b><i>NEXSTEP methodology and plan</i></b></p> <ul style="list-style-type: none"> <li>▪ Mr. Anis Zaman, Economic Affairs Officer, Energy Division, ESCAP</li> </ul> <p><b><i>The Asia-Pacific Energy Portal</i></b></p> <ul style="list-style-type: none"> <li>▪ Mr. Sergey Tulinov, Economic Affairs Officer, Energy Division, ESCAP</li> </ul> <p>Q &amp; A and discussion</p>
11:30 – 12:30	➤ Lunch
12:30 - 13:30	<p><b><u>Session 3: Progress on NEXSTEP initiatives in 3 pilot countries</u></b></p> <p><b>Session Moderator:</b> Ms. Lana Zaman, Energy Division</p> <p><b>Country presentations:</b></p> <ul style="list-style-type: none"> <li>▪ <u>Bangladesh</u> Mr. Mohamad Osman Goni, Assistant Director (SREDA), Power Division, Ministry of Energy and Mineral Resources</li> <li>▪ <u>Indonesia</u> Mr. Budi Cahyono, Head, Identification of Energy Crisis Sub Division, Secretariat General of National Energy Council</li> <li>▪ <u>Georgia</u> Ms. Margalita Arabidze, Deputy Head, Energy Policy Department, Ministry of Economy and Sustainable Development</li> </ul> <p>Q &amp; A and discussion</p>
13:30 - 15:00	<p><b><u>Session 4: Strengthening capacity and developing tools to support the energy transition</u></b></p> <p><b>Session Moderator:</b> Mr. Michael Williamson, Energy Division</p> <p><b><i>Energy and emissions modelling – methodologies and tools</i></b></p> <ul style="list-style-type: none"> <li>▪ Mr. Mark Howells Director and Professor, Division of Energy Systems Analysis, KTH Royal Institute of Technology</li> </ul> <p><b><i>Application of space-based data to energy planning (Video presentation)</i></b></p> <ul style="list-style-type: none"> <li>▪ Ms. Rita Rinaldo Head, Institutional Projects Section, European Space Agency (ESA)</li> </ul> <p><b><i>Capacity building initiatives for SDG7</i></b></p> <ul style="list-style-type: none"> <li>▪ Ms. Leena Srivastava Vice Chancellor, The Energy Research Institute (TERI), TERI School of Advanced Studies</li> </ul>

	<p><b><i>Capacity building for clean power</i></b></p> <ul style="list-style-type: none"> <li>▪ Ms. Dana Kenney Chief of Party, USAID Clean Power Asia</li> </ul> <p><b><i>Innovative financing for renewable energy</i></b></p> <ul style="list-style-type: none"> <li>▪ Ms. Verania Andria Senior Adviser for Sustainable Energy, Strategic Programme &amp; Policies, Environment Unit, UNDP Indonesia</li> </ul> <p>Q &amp; A and discussion</p>
15:00 - 15:15	➤ Afternoon coffee break
15:15 - 16:15	<p><b><u>Facilitated dialogue on pathways to enhance capacity</u></b></p> <p>Meeting Room A <i>Facilitated by Ms. Alexandra Prodan, ESCAP</i>  Meeting Room C <i>Facilitated by Ms. Kira Lamont, ESCAP</i>  Meeting Room D <i>Facilitated by Mr. Faran Rana, ESCAP</i></p>
16:15 - 16:45	Summary discussion from each group MR – A
16:45 - 17:00	<p><b><u>Summative Remarks for Day 1</u></b></p> <ul style="list-style-type: none"> <li>▪ Mr. Minoru Takada Team Leader (Sustainable Energy), Division for Sustainable Development Goals, DESA</li> </ul>
17:00 – 18:30	Reception at Rajapruek Lounge

## Day 2: Wednesday, 20 March 2019

Time	Content
09:00 – 10:00	<p><b><u>Session 5: Thematic sessions (SDG7 targets)</u></b></p> <p><b>Session Moderator:</b> Ms. Milou Beerepoot, UNDP</p> <p><b><i>Transition to attain SDG7</i></b></p> <ul style="list-style-type: none"> <li>▪ Mr. Zou, Ji President, Energy Foundation China</li> </ul> <p><b><i>Energy Access</i></b></p> <ul style="list-style-type: none"> <li>▪ Ms. Lana Zaman Associate Economic Affairs Officer, Division of Energy, ESCAP</li> </ul> <p><b><i>Renewable Energy</i></b></p> <ul style="list-style-type: none"> <li>▪ Ms. Badariah Yosiyana Programme Officer for Southeast Asia, IRENA</li> </ul> <p><b><i>Energy Efficiency</i></b></p> <ul style="list-style-type: none"> <li>▪ Mr. Sudhir Sharma Programme Management Officer, Energy and Climate Change, UN Environment</li> </ul> <p>Q &amp; A and discussion</p>

10:00 - 10:15	➤ Morning coffee break
10:15 - 11:30	<p><b><u>Session 6: Cross-sectoral issues between SDG7, NDCs, and national priorities</u></b></p> <p><b>Session Moderator:</b> Mr. Sergey Tulinov, Energy Division</p> <p><b><i>Synergies between SDG7 and NDCs</i></b></p> <ul style="list-style-type: none"> <li>▪ Mr. Anis Zaman Economic Affairs Officer, Division of Energy, ESCAP</li> </ul> <p><b><i>Climate Change Mitigation</i></b></p> <ul style="list-style-type: none"> <li>▪ Ms. Milou Beerepoot Regional Technical Specialist Energy, UNDP - Bangkok</li> </ul> <p><b><i>Energy to meet national development priorities</i></b></p> <ul style="list-style-type: none"> <li>▪ Mr. Poonpat Leesombatpiboon Executive Director, International Energy Cooperation Office, Ministry of Energy, Thailand</li> </ul> <p><b><i>Tracking Progress on multi-dimensional development priorities</i></b></p> <ul style="list-style-type: none"> <li>▪ Mr. Michael Bordt Regional Advisor, Statistics Division, ESCAP</li> </ul> <p>Q &amp; A and discussion</p>
11:30 - 12:30	➤ Lunch
12:30 - 14:00	<p><b><u>Facilitated dialogue on synergies between SDG7, NDCs and other national priorities</u></b></p> <p>Meeting Room A                      <i>Facilitated by Ms. Alexandra Prodan, ESCAP</i>  Meeting Room C                      <i>Facilitated by Ms. Kira Lamont, ESCAP</i>  Meeting Room D                      <i>Facilitated by Mr. Faran Rana, ESCAP</i></p>
14:00 - 14:30	Summary discussion from each group                      MR – A
14:30 - 14:45	➤ Afternoon coffee break
14:45 - 16:45	<p><b><u>Session 7: Customizing NEXSTEP to help accelerate policy decisions and action</u></b></p> <p><b>Session Moderator:</b> Mr. Kohji Iwakami, Energy Division</p> <p><b><i>Poll results and reflections on breakout sessions</i></b></p> <ul style="list-style-type: none"> <li>▪ Ms. Lana Zaman, Energy Division, ESCAP</li> </ul> <p><b><i>Energy Modelling in the context of capacity needs</i></b></p> <ul style="list-style-type: none"> <li>▪ Ms. Ilse Berdellans Escobar Unit Head, Planning and Capacity Building, Dept. of Nuclear Energy, IAEA</li> </ul> <p><b><i>Operationalizing NEXSTEP at national level</i></b></p> <ul style="list-style-type: none"> <li>▪ <u>Cambodia</u> Mr. Sareth Nong, Deputy Director General, General Department of Energy, Ministry of Mines and Energy</li> <li>▪ <u>Lao PDR</u> Mr. Anousak Phongsavath, Deputy Director General, Research Institute of</li> </ul>

	<p>Energy and Mines, Ministry of Energy and Mines</p> <ul style="list-style-type: none"> <li>▪ <u>Mongolia</u> Mr. Yeren-Ulzii Batmunkh, Head of Investment and Production Division, Ministry of Energy</li> </ul> <p>Q &amp; A and discussion</p>
16:45 - 17:00	<p>Summative Remarks for Day 2</p> <p><b><i>Lessons learned and next steps</i></b></p> <ul style="list-style-type: none"> <li>▪ Mr. Fabian Kreuzer, Economic Affairs Officer, Energy Division, ESCAP</li> </ul> <p><b><i>Wrap up discussion</i></b></p> <ul style="list-style-type: none"> <li>▪ Mr. Michael Williamson, Chief of Section, Energy Division, ESCAP</li> <li>▪ Mr. Minoru Takada, Team Leader (Sustainable Energy), Division for Sustainable Development Goals, DESA</li> </ul>

### Day 3: Thursday, 21 March 2019

#### **Integrated Energy and Resource Modelling Platform – Asia-Pacific**

*Organized by UNDP and the Royal Institute of Technology of Sweden – KTH,  
in partnership with ESCAP and DESA*

Time	Content
09:00 – 09:30	<p><b><i>Welcome remarks</i></b></p> <ul style="list-style-type: none"> <li>• Mr. Mark Howells, Director and Professor, Division of Energy Systems Analysis, Royal Institute of Technology, Sweden (KTH)</li> <li>• Mr. Jaco Cilliers, Chief, Regional Policy and Programme Support for Asia and the Pacific, United Nations Development Programme (UNDP),</li> <li>• Mr. Thomas Alfstad, Inter-Regional Advisor, Economic Analysis and Policy Division, DESA</li> </ul>
09:30 – 09:45	<p><b><u>Session 1: Energy modelling</u></b> <b><i>Model-based investment and policy outlooks</i></b></p> <p>Session Moderator: Mr. Scott Standley, Inclusive Growth and Sustainable Development Team Leader, UNDP Bangkok Regional Hub</p> <p><b>Energy investment outlook of APEC economies</b></p> <ul style="list-style-type: none"> <li>• Mr. David Wogan Associate Vice President, Asia-Pacific Energy Research Center, APEC</li> </ul> <p><b>Q &amp; A and discussion</b></p>
09:45 - 10:00	<p>➤ Morning coffee break</p>
10:15 - 12:00	<p><b><u>Session 2: Diving into modelling toolkits from access to energy, long-term energy investments and integrated resource planning</u></b> <b><i>Introduction to OnSSET, OSeMOSYS and CLEWS</i></b></p> <p>Session Moderator: Ms. Uyanga Gankhuyag, Programme Specialist/ Economist, UNDP Bangkok Regional Hub</p>

	<p><b>Geo-spatial electrification planning - OnSSET</b></p> <ul style="list-style-type: none"> <li>• Mr. Benjamin Stewart, Geographer, World Bank</li> </ul> <p><b>Energy modelling using open-source applications - OSeMOSYS</b></p> <ul style="list-style-type: none"> <li>• Mr. Mark Howells, Royal Institute of Technology (KTH)</li> </ul> <p><b>Modelling of integrated resource systems – Climate, land, energy and water systems (CLEWs)</b></p> <ul style="list-style-type: none"> <li>• Mr. Thomas Alfstad, UNDESA</li> </ul> <p><b>Q &amp; A and discussion</b></p>
12:00 - 13:00	➤ Lunch
13:00 - 14:30	<p><b><u>Session 3: Demonstraton of modelling applications and experiences</u></b> <i>National applications of energy and CLEWS modelling</i></p> <p>Session Moderator: Mr. Thomas Alfstad, UNDESA</p> <p><b>CLEWs modelling: The Bolivian experience</b></p> <ul style="list-style-type: none"> <li>• Daniela Bilbao Martínez, Energy Economist, Social and Economic Analysis Unit, Ministry of Planning, Bolivia</li> </ul> <p><b>CLEWs framework: Nicaragua case</b></p> <ul style="list-style-type: none"> <li>• Osmar Enrique Cuadra Baca, Public Investment Specialist, Ministry of Treasury and Public Finance, Nicaragua</li> </ul> <p><b>Q &amp; A and discussion</b></p> <p><i>City and regional-level applications of energy and resource modelling</i></p> <p>Session Moderator: Mr. Eduardo Zepeda, Executive Director and Senior Expert, OpTIMUS</p> <p><b>Demonstration of city-level models: New York city and Oskarshalmn city, Sweden</b></p> <ul style="list-style-type: none"> <li>• Mr. Mark Howells, KTH</li> </ul> <p><b>Integrated modeling of Climate, Land, Energy and Water strategies (CLEWS) for the Indus River Basin</b></p> <ul style="list-style-type: none"> <li>• Mr. Simon Parkinson, International Institute for Applied Systems Analysis (IIASA)/ University of Victoria</li> </ul> <p><b>Q &amp; A and discussion</b></p>
14:30 - 14:45	➤ Afternoon coffee break
14:45 - 16:15	<p><b><u>Session 4: National and Asia-Pacific regional energy &amp; resource modelling platforms</u></b></p> <p><i>The modelling-policy interface and experiences with national capacity development projects in other regions</i></p> <p>Session Moderator: Mr. Eduardo Zepeda, OpTIMUS</p> <p><b>Supporting national capacity with modelling and planning</b></p>

	<ul style="list-style-type: none"> <li>• Ms. Ilse Berdellans-Escobar Planning and Capacity Building Unit Head and Energy System Analyst, IAEA</li> </ul> <p>Perspectives from Viet Nam on integrated energy modelling and planning</p> <ul style="list-style-type: none"> <li>• Ms. Pham Thi Thu Trang Principal Researcher, National Centre for Socio-Economic Information and Forecast, Ministry of Planning and Investment of Viet Nam</li> </ul> <p><b>Facilitated discussion</b></p> <p><i>Regional modelling platforms and global partnership</i></p> <p>Session Moderator: Mr. Mark Howells, KTH</p> <p><b>Energy modelling platforms and the global summer school</b></p> <ul style="list-style-type: none"> <li>• Mr. Mark Howells, KTH</li> </ul> <p><b>Key principles for supporting effective energy planning</b></p> <ul style="list-style-type: none"> <li>• Mr. Luca Petrarulo Roundtable Coordinator, Energy and Economic Growth (EEG) Programme, Oxford Policy Management</li> </ul> <p><b>Developing Asia-Pacific regional capacity in energy and resource modelling</b></p> <ul style="list-style-type: none"> <li>• Mr. Shobhakar Dhakal Professor, Department of Energy, Environment and Climate Change, School of Environment, Resources and Development, Asian Institute of Technology (AIT)</li> </ul> <p><b>Facilitated discussion</b></p>
16:15 - 16:30	<p><b>Closing session</b></p> <p>Wrapping up and ways forward</p> <ul style="list-style-type: none"> <li>• Mark Howells, KTH</li> <li>• Scott Standley, UNDP Bangkok Regional Hub</li> <li>• Michael Williamson, UNESCAP Energy Division</li> </ul>