

## AGENDA (DRAFT)

### Capacity Building on Marine Debris Monitoring by Using Innovative Technologies in APEC Region

Date: 24-25 March, 2022

Time zone: GMT+8

| 24 March (Thur.) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
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| 09:00–09:30      | Registration and Reception (Online)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 09:30–09:40      | <p><b><u>Introduction</u></b></p> <p><b><u>-Workshop overview and goals</u></b></p> <p>A short introduction to the event will be conducted. In addition, due to the challenge brought about by the COVID-19 crisis, the precautions and the format for this Workshop will be explained.</p> <ul style="list-style-type: none"><li>• <i>Dr. Jason Kao, Director of Southern Taiwan Program Office, Taiwan Institute of Economic Research (Chinese Taipei)</i></li></ul>                                                                                                                                                                                                                                                                                                                                                    |
| 09:40–10:00      | <p><b><u>Opening Ceremony</u></b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 10:00–10:55      | <p><b><u>Keynote Speech 1: From Source to Sink: the Innovative Technology of Monitoring and Modeling for Marine Debris</u></b></p> <p>Two keynote speeches by representatives or specialists from major international organization to introduce how important the monitoring and modeling is toward management of marine debris, and what the crucial role the innovative technology is playing. In amidst the pandemic, this speech will be given both on-site and online through live streaming</p> <ul style="list-style-type: none"><li>• <i>Ms. Patrycja Enet, Expert Consultant of UN Secretariat of the Environment Management Group (France)</i></li><li>• <i>Dr. Keith Alverson, Former Director of International Environmental Technology Centre, UNEP and Independent Consultant (United States)</i></li></ul> |
| 10:55–11:10      | <b>Coffee Break</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 11:10–12:30      | <p><b><u>Panel Discussion 1: Quantification of Marine Debris: Practice of Monitoring and Modeling in APEC Region</u></b></p> <p>In this discussion, representatives from APEC economies will be invited to share their undergoing projects and accomplishments of marine debris</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

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|                        | <p>monitoring and modeling by innovative technology.</p> <ul style="list-style-type: none"> <li>• <i>Dr. Jiahn-Horng Chen, Vice President of National Academy of Marine Research, Ocean Affairs Council (Chinese Taipei)</i></li> <li>• <i>Dr. Chi-Farn Chen, Professor of Center for Space and Remote Sensing Research, National Central University (Chinese Taipei)</i></li> <li>• <i>Dr. Jung-Yeul Jung, Associate Professor of Korea Research Institute of Ships &amp; Ocean Engineering (South of Korea)</i></li> <li>• <i>Mr. Cristian Enrique Brito Martinez, International Affairs Office of Ministry of Environment (Chile)</i></li> <li>• <i>Panelist 4 (TBC)</i></li> </ul>                                                                                                                                                    |
| 12:30–13:30            | <b>Lunch Break</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 13:30–17:00            | <p><b><u>Field Trip: Demonstration of Application of Innovative technology in Marine Debris Monitoring</u></b></p> <p>In this field trip, a team from Chinese Taipei specialized in monitoring marine debris will demonstrate how UAVs are utilized to acquire the monitoring data and accordingly how the software is functioned to analyze the acquired data. This event will be held mainly on-site, and also be streamed for online participants.</p> <ul style="list-style-type: none"> <li>• <i>Dr. Chi-Farn Chen, Professor of Center for Space and Remote Sensing Research, National Central University, Taiwan (Chinese Taipei)</i></li> <li>• <i>Dr. Jian-Wu Lai, Research Fellow of Marine Science and Information Research Center, National Academy of Marine Research, Ocean Affairs Council (Chinese Taipei)</i></li> </ul> |
| <b>25 March (Fri.)</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 09:00–09:30            | Registration and Reception (Online)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 09:30–09:35            | <p><b><u>Introduction</u></b></p> <p><b><u>-Workshop overview and goals</u></b></p> <p>A short introduction to second day event. Due to the challenge brought about by the COVID-19 crisis, this Workshop will be conducted as a hybrid event. The precautions for this online Workshop will be explained.</p> <ul style="list-style-type: none"> <li>• <i>Dr. Jason Kao, Director of Southern Taiwan Program Office, Taiwan Institute of Economic Research (Chinese Taipei)</i></li> </ul>                                                                                                                                                                                                                                                                                                                                               |

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| 09:35–10:30 | <p><b><u>Keynote Speech 2: Best Practice- Regional Partnership on Action Plan of Marine Debris Monitoring</u></b></p> <p>Two keynote speeches by experts or researchers specialized in marine debris affairs and monitoring and modeling by innovative technology will explore the necessity of international collaboration, and elaborate how the adoption of advanced technology could be the foundation and catalyst among all APEC economies.</p> <ul style="list-style-type: none"> <li>• <i>Dr. Hsiang-Wen Huang, Director-General of Ocean Conservation Administration, Ocean Affairs Council (Chinese Taipei)</i></li> <li>• <i>Mr. Nicholas Mallos, Senior Director of Trash Free Seas® Program, Ocean Conservancy (United States)</i></li> </ul>                                                                                                                                                                                                                                                                                                                       |
| 10:30–10:40 | <b>Tea Break</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 10:40–12:10 | <p><b><u>Panel Discussion 2: Toward a Mutual Monitoring Platform of Marine Debris for APEC Region</u></b></p> <p>In this discussion, representatives, officials, specialists from APEC economies will be invited to exchange their thoughts on how the mutual marine debris monitoring mechanism and standard should be established and how the accumulated data could be utilized more efficiently based on their practical experiences.</p> <ul style="list-style-type: none"> <li>• <i>Dr. Jason Kao, Director of Southern Taiwan Program Office, Taiwan Institute of Economic Research (Chinese Taipei)</i></li> <li>• <i>Dr. Jian-Wu Lai, Research Fellow of Marine Science and Information Research Center, National Academy of Marine Research, Ocean Affairs Council (Chinese Taipei)</i></li> <li>• <i>Dr. Devi Dwiyantri Suryono, Senior researcher of Marine Research Center, Ministry of Marine Affairs and Fisheries (Indonesia)</i></li> <li>• <i>Mrs. Jiraporn Charoenvattanaporn, Fishery Biologist (Thailand)</i></li> <li>• <i>Panelist 4 (TBC)</i></li> </ul> |
| 12:10–12:30 | <b><u>Closing Ceremony</u></b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |