



**Asia-Pacific  
Economic Cooperation**

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## **Emergency Preparedness Working Group Work Plan 2022 (Endorsed Intersessionally, 17 May 2022)**

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**18<sup>th</sup> Emergency Preparedness Working Group  
Meeting  
Chiang Mai, Thailand  
18 August 2022**

## **Emergency Preparedness Working Group's Work Plan for 2022**

### **Introduction**

In the Putrajaya Vision 2040, APEC Leaders committed to build “an open, dynamic, resilient and peaceful Asia-Pacific community by 2040”. The implementation plan of Putrajaya Vision, Aotearoa Plan of Action, stated that “APEC fora and sub-fora will make provision for implementing the APEC Putrajaya Vision 2040 in their work plans and strategic plans”.

In 2022, in line with the Putrajaya Vision 2040 and its implementation plan, the Emergency Preparedness Working Group (EPWG) will continue to focus on enhancing resilient trade and investment through promotion of the APEC Disaster Risk Reduction (DRR) Framework adopted by the Leaders in 2015 to address the “new normal,” by implementing the 2016 APEC Disaster Risk Reduction Action Plan.

In line with the APEC DRR Framework, EPWG will fully support the 2022 Thailand Theme “Open. Connect. Balance.” with its five areas of focus - namely; (1) freedom of trade and investment, (2) advancing a digital society, (3) people’s well-being, (4) food and agriculture security, and (5) sustainable growth and responsibility (including development of the Bio-Circular-Green economy, or BCG).

In the wake of the unprecedented health and economic crisis caused by COVID-19, there is an opportunity to reignite growth and set a plan for a resilient recovery. Building on the approach taken by New Zealand in 2021, there is an opportunity to bring an economic wellbeing perspective to EPWG discussions and encourage a recovery that is inclusive, sustainable and resilient. To assist in this regional drive for inclusive and sustainable recovery, EPWG should also demonstrate its commitment to the La Serena Roadmap for Women and Inclusive Growth in considering how member economies place women and girls at the centre of disaster resilience and recovery efforts.

The COVID-19 crisis has also reminded member economies of EPWG of the vulnerabilities and importance of international supply chains and affected trade, which throughout the COVID-19 response have impacted essential goods such as medicines, medical supplies and agricultural and food products. This is an area of priority that EPWG member economies could focus more on, for the benefit of all economies during the recovery of COVID-19 and for future disasters.

Alongside this focus, there is also an opportunity for EPWG to expand its vision to how we can utilise digital systems to bridge the digital divide in our communities, mitigate supply chain vulnerabilities and ensure sustainability during and following disasters, and promote broader participation across society and businesses to ensure better regional resilience and recovery.

To achieve these priorities, EPWG needs a commitment to approach discussions with renewed openness and collaboration, with a focus on inclusion and acceptance of our diversity.

EPWG’s programs in 2022 will be in line with the 2020 AELM Declaration and the APEC Putrajaya Vision 2040 that related to emergency preparedness as follows: 1

### **The APEC Putrajaya Vision 2040:**

“We will promote economic policies, cooperation and growth which support global efforts to comprehensively address all environmental challenges, including climate change, extreme weather and natural disasters, for a sustainable planet”.

EPWG will ensure cross-fora collaboration in particular with regard to the implementation of the APEC DRR Action Plan.

### **The Aotearoa Plan of Action (APA):**

Strong, Balanced, Secure, Sustainable and Inclusive Growth.

Collective Actions: Economies will:

Further implement the APEC Disaster Risk Reduction Framework;

## **1. Fora Governance in 2022**

- 1.1. Draft annual fora report for endorsement by EPWG and SCE in September 2022
- 1.2. Update EPWG’s Strategic Plan to incorporate the implementation of the APEC Putrajaya Vision 2040 and Aotearoa Plan of Action

## **2. Expected Outcomes/Deliverables for 2022**

- 2.1. Hold the 18<sup>th</sup> Emergency Preparedness Working Group Meeting (one day), hosted by Thailand in August 2022 (SOM 3 cluster, date TBC)
- 2.2. Discuss the implementation plan of “La Serena Roadmap for Women and Inclusive Growth (2019 - 2030)” with PPWE Chair or representative at EPWG 18 meeting.
- 2.3. Continue discussing EPWG initiative in responding to COVID-19 through voluntary sharing of information among EPWG members on COVID-19 measures.
- 2.4. Hold the 15<sup>th</sup> Senior Disaster Management Officials Forum as a side event, hosted by Thailand in August 2022 (SOM3 cluster, date TBC).
- 2.5. Endorse the revised EPWG Strategic Plan
- 2.6. Implement APEC-funded project “APEC Programme in Rejuvenating Cities and Resilience Capacities for Dual Challenges of COVID-19 Pandemic, Extreme Weather Events and Climate Induced Disaster (Rejuvenate-Cities-C19)” (EPWG 01 2020A).
- 2.7. Implement APEC-funded project “Enhancing natural disaster preparedness through understanding tsunami risks” (EPWG 02 2020A).
- 2.8. Implement APEC-funded project “APEC Cities and Built Environments (BE) Strategy: Building Back Better in the Post COVID-19” (EPWG 02 2021A)
- 2.9. Implement APEC-funded project “Workshop on Data Analytics for Tactical Emergency Response Planning” (EPWG 04 2021A) – subject to final

approval on the project proposal.

- 2.10. Implement APEC-funded project “Cycle of workshops to strengthen fire prevention capacities in Wildland-urban Interface (WUI)” (EPWG 05 2021A) – subject to final approval on the project proposal.
- 2.11. Implement APEC-funded project “Recovery and Resilience: Risk-smart Business in the Post COVID-19” (EPWG 06 2021A) – subject to final approval on the project proposal.
- 2.12. Present a self-funded project “2022 APEC Disaster Resilience Workshop” Proposed by EPWG Chinese Taipei

### 3. Itemized Work Plans for 2022

Title	Summary of Specific Plans	Mandate (Leaders/Ministers/ SOM/SCE Priorities and Decisions, Strategic Plans and to ABAC recommendations)	ECOTECH Priorities and/or Host Year Priorities	Cross-fora collaborati on (within APEC and beyond APEC)
<p>Hold the 18<sup>th</sup> Emergency Preparedness Working Group Meeting hosted by Thailand on SOM 3 cluster in August 2022 (date TBC)</p>	<p>The meeting of EPWG in 2022, which will be divided into two parts to recognize the digital method of meeting, will discuss among others:</p> <ul style="list-style-type: none"> <li>(i) Chart the activities for 2022</li> <li>(ii) Discuss the recent natural disasters facing economies including policies, best practices including the ingenious practices from community and in particular indigenous and those disproportionately impacted , strengthening collaboration with the private sector and other international and regional partners required for disaster risk monitoring, early warning, response, recovery and reduction</li> <li>(iii) Reviews on and learning from major disasters in 2021, including COVID-19, best practices on risk-informed preparedness and governance, early warning to early action and STI application</li> <li>(iv) Review the recovery of member economies to COVID-19, including but not limited to the resilient, green and sustainable recovery of supply chains, local communities</li> </ul>	<p>The APEC Putrajaya Vision 2040</p> <p>The Aotearoa Plan of Action</p>	<ul style="list-style-type: none"> <li>- Sustainable growth and responsibility (Host Year Priority)</li> <li>- Human Security (ECOTECH Priority)</li> </ul>	<p>FMP, HWG/LSIF, PPFS, PPSTI, PPWE and ABAC</p>

	<p>and other industries</p> <p>(v) Discuss the implementation plan of “La Serena Roadmap for Women and Inclusive Growth (2019 - 2030)” with PPWE Chair or representative.</p>			
<p>Hold the 15<sup>th</sup> Senior Disaster Management Officials Forum during SOM 3 cluster in August 2022 (date TBC)</p>	<ul style="list-style-type: none"> <li>- To encourage APEC cooperation on promoting researches on advanced technology and sharing them among EPWG members.</li> <li>- To share current situation and orientation on using advanced technology to cope with new phase of multi-disaster/hazards (new normal) in the future.</li> <li>- To share best practices and propose the way to extend the application.</li> <li>- To propose to APEC Leaders an enhanced role of EPWG to cope with new normal through mainstreaming of emergency preparedness in APEC activities.</li> </ul>	<p>The APEC Putrajaya Vision 2040</p> <p>The Aotearoa Plan of Action</p>	<ul style="list-style-type: none"> <li>- Sustainable growth and responsibility (Host Year Priority)</li> <li>- Human Security (ECOTECH Priority)</li> </ul>	

<p>Implement APEC-funded project “APEC Programme in Rejuvenating Cities and Resilience Capacities for Dual Challenges of COVID-19 Pandemic, Extreme Weather Events and Climate Induced Disaster (Rejuvenate-Cities-C19)” (EPWG 01 2020A).</p>	<p>COVID-19 pandemic has impacted 188 economies, with more than 9 million infected people especially in the vulnerable cities. The twin impact of disasters and COVID-19 will have a far more adverse effect on groups for both epidemiological and socio-economic.</p> <p>APEC-REJUVENATE-CITIES-C19 project aims to catalyze a policy-oriented dialogues and action on dual-challenges of pandemic, extreme weather events and climate-induced disasters towards increasing evidence-informed decision-making at all levels of public policy and discourse.</p> <p>Remarkably, 60% of the area to be urbanized by 2030 has yet to be built. Therefore, strengthening urban resilience is the key to achieve risk-informed sustainable development. A transdisciplinary approach is promoted to integrate public-health and disaster risk reduction (DRR). Disaster resilience scorecard for cities and DRR strategies are co-produced. Policy dialogues, multi-sectoral consultation, within a city-to-city resilience platform coupled with geo-technological exploration will be organized. It allows peer-to-peer learning, regional networking, building knowledge-hub and promoting local-level action for long-term impact of DRR interventions.</p> <p>In the course of 2022, the project will produce Knowledge Note and Policy Brief related to the Study on APEC’s Disaster Risk Reduction and Resilient.</p>	<p>The APEC Putrajaya Vision 2040</p> <p>The Aotearoa Plan of Action</p>	<ul style="list-style-type: none"> <li>- Sustainable growth and responsibility (Host Year Priority)</li> <li>- Human Security (ECOTECH Priority)</li> </ul>	<ul style="list-style-type: none"> <li>- APEC working group on Telecommunications and Information, Health, Small and Medium Enterprises</li> </ul>
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<p>Implement APEC-funded project “<i>Enhancing Natural Disaster Preparedness through Understanding Tsunami Risks</i>” (EPWG 02 2020A).</p>	<p>Natural disasters have the propensity to develop significant human security threats, especially if risk assessment is hindered by a lack of scientific evidence. Tsunami carries both immense human threats and unpredictability, as evidenced by the calamity following the 2004 Indian Ocean Tsunami and the 2011 Tōhoku Earthquake and Tsunami.</p> <p>This project aims to advance knowledge of tsunami risk along the circum-Pacific margin, with a particular emphasis on the northern coast of Chile, as current knowledge in tsunami risks is significantly limited by the amount of palaeotsunami evidence available. Using new geological methods to study archaeological sites is a novel way to understand tsunami risks through the interpretation of past recurrence of tsunamis. A joint research team from Australia, HKC, China and Chile will carry out detailed palaeotsunami assessment along the northern Chilean coast, including desk study, field work, fossil and laboratory studies of sediments found in Chilean archaeological sites to serve this purpose.</p> <p>In 2022, the project is expected to deliver Quantitative Assessment of Tsunami Risk, and organize Workshop (initially scheduled in March 2022). The topic of Workshop relates to understanding natural disaster risks; tsunami risk and its assessment; threats to coastal communities; the state-of-the-art of risk assessments; and coastal risk reduction strategies.</p>	<p>The APEC Putrajaya Vision 2040</p> <p>The Aotearoa Plan of Action</p>	<ul style="list-style-type: none"> <li>- Sustainable growth and responsibility (Host Year Priority)</li> <li>- Human Security (ECOTECH Priority)</li> </ul>	<ul style="list-style-type: none"> <li>- Public agencies and academic institutions from Hong Kong, China, and Chile</li> </ul>
<p>Implement APEC-funded project “<i>APEC Cities and Built Environments (BE) Strategy: Building Back Better in the Post COVID-19</i>” (EPWG 02 2021A)</p>	<p>The current COVID-19 global pandemic spread has caused massive devastation and losses across the world. According to a report published by UNESCAP in 2020 (The Future of ASIA &amp; Pacific Cities), cities have been the most vulnerable areas during the COVID-19 pandemic with estimated 95 percent of cases registered. Economic and social impacts have been severe in many cities due to high levels of centralization.</p> <p>This project aims to develop APEC Cities and Built Environments (BE) strategic recommendations to reduce and overcome future virus-like attacks. The workshops (online) will gather the international and local experts for sharing best practices, views and seeking practical solutions. This multi-sectoral project focuses on understanding better the, technology, economy, and infrastructure, that may shape "Pandemic-resilient cities and built environment", in line with SDG 11- Making cities and human settlement inclusive, safe, resilient and sustainable. In summary, this project will</p>	<p>The APEC Putrajaya Vision 2040</p> <p>The Aotearoa Plan of Action</p>	<ul style="list-style-type: none"> <li>- Sustainable growth and responsibility (Host Year Priority)</li> <li>- Human Security (ECOTECH Priority)</li> </ul>	<ul style="list-style-type: none"> <li>- APEC working group on Health</li> <li>- UN agencies including UNDP</li> <li>- Stakeholders related to Sendai Framework for Disaster Risk Reduction</li> </ul>

	<p>provide a comprehensive strategy for the APEC economy in dealing with pandemic risk in the future. Findings from this project can assist relevant stakeholders within APEC economies (disaster management agencies, health agencies and local authorities) in decision making efforts to manage and mitigate the devastation of the COVID-19 pandemic.</p> <p>In 2022, the project is to deliver i) a report on Lessons Learned and Way Forward for the 'Next Normal': A Scenario Analysis and Systematic Review; ii) Online workshop for multidisciplinary action strategy in creating multi-stakeholder implementation approach for "pandemic-resilient cities and built environments"; and iii) final report.</p>			2015-2030
<p>Implement APEC-funded project "<i>Workshop on Data Analytics for Tactical Emergency Response Planning</i>" (EPWG 04 2021A) – subject to final approval on the project proposal</p>	<p>Making decisions under an emergency adds criticality and complexity to its process. Data analytics is a skill that could support the planning, monitoring and post-implementation management of disaster aid supplies distribution completion. Ideally, a ready-made tool is to be used. However, off-the-shelf supply chain and logistics applications require advanced customizations. On the other hand, developing a planning-based tool from scratch requires high competency in data analytics and mastering logistics decision making. There are increasing number of data analytics training workshop available, but they usually focus on conceptual and hands-on skills without necessarily tailoring to a specific logistics distribution context.</p> <p>The project is proposed to hold a workshop focusing on data analytics for disaster aid supplies distribution planning, humanitarian centres utilization and tactical emergency response completion using such as Excel, PowerBI and Python.</p> <p>The project is currently undertaking quality assessment process. Project's work plan will be available upon receipt of final approval.</p>	<p>The APEC Putrajaya Vision 2040</p> <p>The Aotearoa Plan of Action</p>	<ul style="list-style-type: none"> <li>- Sustainable growth and responsibility (Host Year Priority)</li> <li>- Human Security (ECOTECH Priority)</li> </ul>	<ul style="list-style-type: none"> <li>- APEC working group on Telecommunications and Information</li> <li>- Academy of Sciences Malaysia</li> </ul>
<p>Implement APEC-funded project "<i>Cycle of workshops to strengthen fire prevention capacities in Wildland-urban Interface</i>"</p>	<p>The increase in wildfires generates serious environmental damage, economic and human losses for APEC economies, exacerbated by the growth of wildland urban interface (WUI) areas in economies such as Australia, Chile, Indonesia, New Zealand, Philippines, Russia, USA, Vietnam and others. Since evidence indicates that human intervention is the main cause of wildfires, it is essential to prepare the population, strengthen public-private strategies and upgrade technical knowledge of</p>	<p>The APEC Putrajaya Vision 2040</p> <p>The Aotearoa Plan of Action</p>	<ul style="list-style-type: none"> <li>- Sustainable growth and responsibility (Host Year Priority)</li> <li>- Human Security (ECOTECH)</li> </ul>	<ul style="list-style-type: none"> <li>- APEC Working Group on Agricultural Technical Cooperation, Sustainable Development, Health, Human</li> </ul>

<p>(WUI)" (EPWG 05 2021A) – subject to final approval on the project proposal</p>	<p>DRR institutions.</p> <p>This project seeks to contribute to the capacity building of APEC economies in fire management in WUI areas, by making available techniques and strategies focused on generating a culture of prevention, with the purpose of reducing territorial vulnerability and exposure to risk. This project will develop a cycle of training workshops and a preventive forestry workshop as instances of cooperation between APEC economies oriented to the co-construction of good practice guidelines for both communities and the governing institutions involved.</p> <p>The project is currently undertaking quality assessment process. Project's work plan will be available upon receipt of final approval.</p>		<p>Priority)</p>	<p>Resources Development and Small and Medium Enterprises, the Group on Services, Policy Partnership on Women and the Economy</p> <ul style="list-style-type: none"> <li>- Stakeholders related to Sendai Framework for Disaster Risk Reduction 2015-2030</li> </ul>
<p>Implement APEC-funded project "<i>Recovery and Resilience: Risk-smart Business in the Post COVID-19</i>" (EPWG 06 2021A) – subject to final approval on the project proposal</p>	<p>As the backbone of APEC economy, the business community contributed enormously to the COVID-19 prevention and control but also suffered greatly from the continued adverse impacts of the pandemic. Enterprises building back better is the key element defining the region's effective recovery. The business community to achieve resilient recovery in the post pandemic era must recognize the importance of a risk-informed and risk-smart business both in the presence and absence of risks and crises.</p> <p>The project will build on the previous outcomes of APEC self-funded project "Regional Economic Integration through the Lens of Disaster Resilience" implemented by EPWG China in 2021 and hold a two-day hybrid Workshop on Risk-Smart Business in the Post COVID-19 in Beijing, China for knowledge sharing and technical discussion on challenges facing the business community and its prospect in the post-pandemic era. The participants are welcome to attend both virtually and physically when global health situation improves significantly.</p> <p>The project is currently undertaking quality assessment process. Project's work plan will be available upon receipt of final approval.</p>	<ul style="list-style-type: none"> <li>- The APEC Putrajaya Vision 2040</li> <li>- The Aotearoa Plan of Action</li> </ul>	<ul style="list-style-type: none"> <li>- Sustainable growth and responsibility (Host Year Priority)</li> <li>- Human Security (ECOTECH Priority)</li> </ul>	<ul style="list-style-type: none"> <li>- APEC SMEWG, PPSTI and PPWE</li> <li>- Finance Ministers Process, ABAC and APEC Climate Center</li> <li>- UN agencies including UNDP</li> </ul>

<p>Hold the Self-funded “2022 APEC Disaster Resilience Workshop” in Taipei</p>	<p>APEC Resilient City based on APEC Resilient Community Economic development and sustainability can be severely impacted by natural disasters through extensive interruptions impact daily livelihood, lifeline systems, critical infrastructure or supply chain resilience. At facing impacts brought by natural disasters or climate change, food security and micro economic activities are directly linked to emergency preparedness and quick recovery at affected communities. To echo the theme “People’s Well-being”, “Food and Agriculture Security” and “Sustainable Growth and Responsibility” in 2022, APECRW focused on Innovative Sustainability for Inclusive growth through smart technology and continued to promote “APEC Resilient City” (ARC) initiatives to carry on the fruitful outcomes of EPWG in decades for mitigating vulnerability and enhancing disaster resiliency through capacity building.</p> <p>The ARC initiative aims at capacity building and preparedness for quick recovery of micro economic activities through public private partnership. ARC initiatives incorporate the implementation of the best practices for sharing local knowledge and regional resources to facilitate Livelihood Continuity Plan (LCP) before or after disasters. To echo the 2017 priorities “Enhancing Food Security and Sustainable Agriculture in response to Climate Change”. ARC functioned to boost up micro economic momentum to tackle future challenges on extreme events and climate change adaptation.</p> <p>The 2022 APECRW will focus on 1) Sharing the best practices for APEC Resilient City/Community, 2) Sharing smart resilient city planning; 3) Promoting on demands capacity building program; 4) Showcasing female’s contributions on ARC initiatives; 5) Synergizing regional resources for ARC.</p> <p>The expected outcomes of the APECRW can be of good reference for developing future approaches toward ARC. The main expected outcomes include: 1) Enhancing public-private partnership on disaster resilient supply chain 2) Developing guiding principles for planning ARC, 3) Accelerating APEC cross-fora synergy on ARC and 4) encouraging APEC-wide implementations through cross-border value-added knowledge and best practices sharing for promoting ARC upon the APEC Disaster Risk Reduction Framework (APEC DRR Framework).</p>	<p>The APEC Putrajaya Vision 2040</p> <p>The Aotearoa Plan of Action</p> <p>Digital Economy Steering Group (DESG) - Work Program for the Implementation of the APEC Internet and Digital Economy Roadmap (AIDER)</p> <p>2017 AELM Declaration</p> <p>- 2017 AMM Statement - The APEC Food Security Road Map Towards 2020 and the APEC Food Security Business Plan (2014-2020)</p> <p>The 2016 Piura Declaration on APEC Food Security</p> <p>2019 FMP-DRFI workplan</p>	<ul style="list-style-type: none"> <li>- People’s Well-being</li> <li>- Food and Agriculture Security</li> <li>- Sustainable growth and responsibility (Host Year Priority)</li> <li>- Human Security (ECOTECH Priority)</li> </ul>	<ul style="list-style-type: none"> <li>- APEC PPSTI, SMEWG and PPWE</li> <li>- Finance Ministers Process, ABAC and APEC Climate Center</li> </ul>
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