Recognizing high physical and social vulnerabilities related to natural hazards in agricultural communities, disaster-resilient plantation of vegetables with assistance of innovative technology will help to safeguard food security at grass root level. “Plant back better” (PBB) is aimed to help vulnerable areas by maintaining local self-sufficient through smarter and disaster-resilient origin vegetable plantation. Based on demand analysis in the APEC region, the PBB initiative aims at community-based capacity building and emergency preparedness for quick recover of micro economic activities at community level with public private partnership if disasters. PBB initiatives will incorporate the implementation of the best practices and toolkits with knowledge and regional resources sharing to assist livelihood recovery planning before or after disasters. To seek synergy within APEC, the initiative will build linkages with relevant working groups including the Policy Partnership on Food Security (PPFS), the Policy Partnership on Women and the Economy Working Group (PPWE) and the Small and Medium Enterprises Working Group (SMEWG). Besides strengthening food security, human capacity building on female will be another focal topic amid promoting the initiative.