



TSMC Launches "Eco Plus! - Ecological Harmony Program" to Enhance Green Conservation in Three Key Aspects

HSINCHU, Taiwan, R.O.C. - May 22, 2024 – As the challenge of climate change continues to grow, preserving ecosystems and natural environments has become a crucial part of achieving sustainable development. Moving forward on its commitment to protecting biodiversity, TSMC (TWSE: 2330, NYSE: TSM) today announced the launch of the "Eco Plus! - Ecological Harmony Program", which integrates internal and external resources to connect fragmented biological habitats, enhance species survival, and establish a reward system to support potential talents and important ecological research on biodiversity. The plan aims to accelerate positive action on ecological restoration and nature education in three key aspects: habitat, species, and knowledge.

TSMC is committed to creating a balance between technology and the environment. In order to ensure sustainability of ecosystems and maintain biodiversity, TSMC conducted the "Dependencies and Impacts on Nature and Biodiversity Assessment" for its fabs in Q4 2022. In 2023, TSMC also issued a "Biodiversity Statement," promising to adopt impact mitigation measures of "Avoidance, Minimization, Restoration, and Offset" to maintain biodiversity. This year, on the International Day for Biological Diversity, TSMC launched the "Eco Plus!-Ecological Harmony Program" which deepens and broadens ecological conservation measures and rare species restoration around its fabs. The program also expands collaboration with government agencies, non-profit organizations and non-governmental organizations, academic institutions, and corporate partners, not only building on existing actions to strengthen strategies and efficiencies, but also promoting education and empowerment for green conservation initiatives.

"As a global leader in the semiconductor industry, we recognize our commitment to environmental and ecological conservation can play a key role in driving the overall industry supply chain to take action," said TSMC Senior Vice President of Human Resources and Chairperson of the ESG Committee, Lora Ho. "TSMC is excited to take the responsibility of spearheading the call to action and integrating resources between industry, government, academia, and research partners. On this meaningful day, we are pleased to announce the launch of the 'Eco Plus!-Ecological Harmony Program'. We hope to introduce similar initiatives at all our global operational sites to fully realize our vision of symbiosis between technology and ecology."

The TSMC "Eco Plus!-Ecological Harmony Program" covers three key aspects: habitat, species, and knowledge. The program will start with the areas around TSMC's Taichung fabs, working with the Observer Ecological Consulting Co. to link fragmented biological habitats along the Fazi River and Dadu Mountain, promote eco-friendly farming, construct green belts, improve corridor structures, and implement stream-friendly management to enhance habitat conservation and protect low-elevation mountain areas. In addition to ongoing efforts in reforestation and ecological



conservation of rare species, the program will expand to include the conservation of six endangered species, including the ring-necked pheasant, squalidus banarescui, eastern grass owl, pangolin, leopard cat, and yellow pond turtle, to strengthen the foundation of biodiversity.

"The biodiversity crisis has become a serious global challenge," said Observer Ecological Consultant General Manager Yu-Po Huang. "We hope that TSMC's investment in Taiwan's low-elevation mountain protection will inspire more companies to respond and jointly build a national ecological network."

In the key area of knowledge, TSMC aims to promote the natural and environmental education strategy stated in its Biodiversity Statement. The Company will collaborate with the Ministry of Agriculture's Biodiversity Research Center and the Wild Bird Society of Taiwan to establish biodiversity awards to encourage academic and research institutions, graduate students, and ecology-related student clubs to propose conservation research and projects. TSMC will also invite research institutes, non-profit organizations and non-governmental organizations to action plans for these projects. The goal is to support and cultivate up to 96 promising ecological scholars and 63 critical ecological research projects. TSMC will also hold a biodiversity exchange seminar to promote interdisciplinary communication and build connections with international talent. Furthermore, TSMC will promote citizen scientists through the "eBird Taiwan" database and "iNaturalist" and establish a life-long ecological education strategy to sow the seeds for environmental concern and ecological protection awareness. TSMC will also invest in the development of the "Merlin App" birdsong recognition tool and AI species recognition system to deepen and expand Taiwan's ecological database and promote biodiversity mainstreaming.

"Taking action on biodiversity mainstreaming' is the main theme of our collaboration with TSMC," said Jia-Dong Yang, Director of the Taiwan Biodiversity Research Institute, Ministry of Agriculture. "Through the establishment of scholarships and the promotion of iNaturalist, we hope to raise public awareness and encourage all sectors to participate in biodiversity conservation and work together to protect Taiwan's beautiful ecology."

"Promoting the Taiwan Bird Atlas project and strengthening the Merlin birdsong recognition system are important milestones for Taiwan's citizen science," said Taiwan Wild Bird Federation Secretary-General Yi-Wei Lyu. "TSMC's support has given us more momentum to deepen public participation and awareness of biodiversity and promote conservation work."



About TSMC

TSMC pioneered the pure-play foundry business model when it was founded in 1987, and has been the world's leading dedicated semiconductor foundry ever since. The Company supports a thriving ecosystem of global customers and partners with the industry's leading process technologies and portfolio of design enablement solutions to unleash innovation for the global semiconductor industry. With global operations spanning Asia, Europe, and North America, TSMC serves as a committed corporate citizen around the world.

TSMC deployed 288 distinct process technologies, and manufactured 11,895 products for 528 customers in 2023 by providing broadest range of advanced, specialty and advanced packaging technology services. The Company is headquartered in Hsinchu, Taiwan. For more information, please visit <https://www.tsmc.com>.

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