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Workshop on Marine Debris Solutions

Training dates: July 7 - 20, 2021

Application deadline: May 18, 2021

Number of participants: 20

***How to apply:** Through the R.O.C (Taiwan) embassies, representative offices or Taiwan technical missions.

Introduction:

Coastal countries around the world produce about 277,500 tons of waste plastic each year. The waste flowing into the ocean causes pollution, seriously threatens the marine ecological chain, and impacts the ocean's ability to regulate the global climate. With most of our friendly allies being island or coastal countries, this workshop will introduce how Taiwan applies marine meteorological data, AI, and big data technologies to predict and manage marine debris, and the experience of utilizing public-private partnerships to solve the problem of marine debris.

Objectives:

- How to reduce waste production at source.
- How to use technology and marine meteorological data to realize marine debris investigation and management.
- How to strengthen national environmental awareness and increase willingness to participate in the removal of marine debris.

Contents:

---Promoting reduction of waste production at source.

- To share Taiwan's measures on disposable plastic restrictions and recycling, and rewarding resource reuse enterprises.
- To introduce Taiwan's waste fishing gear management regulations, subsidies to substitute fishing gear purchases, and mandatory recycling of waste fishing gear and Styrofoam for breeding.

---Constructing a monitoring and management system integrating marine meteorological data.

- To share Taiwan's AI technology on identifying marine debris for follow-up clearance.
- To introduce how to import marine meteorological data, predict ocean flow, and estimate and establish marine debris hotspot data.

---Strengthening national environmental awareness of marine debris.

- To introduce Taiwan's regulations and labels for industry or online shopping, and the Hackathon proposal "Sea Wave Project," which promotes beach cleaning activities through public-private cooperation.

Issues this workshop will address:

- Marine debris and how to reduce it at source.
- How to strengthen the effectiveness of marine debris management through the application of technology and data.
- Challenges in raising public awareness of maritime waste issues and social concern.

Who may apply:

- Medium-high government officials, research and development (R&D) personnel, industry executives, members of faculty, NGOs or international organizations, partner stakeholders participating in relevant Taiwan Technical Mission projects.
- Specialized fields: Environmental protection, marine meteorology, waste disposal, AI.
- Age and experience: Applicants under 50 years old and with at least two years' experience in related fields or one year's practical experience in marine debris solutions will be given preferential consideration.
- Education: College degree or above
- Language: Good command of English

Contact Person:

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**A Sneak Peek of
TaiwanICDF Workshop Program**

