

11 **Workshop on Strengthening Environmental Monitoring**

Projected training dates: September 16 – September 29, 2020

Application deadline: July 24, 2020

Duration of workshop: 14 days

Number of participants: 20

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

Introduction:

According to World Meteorological Organization (WMO), the concentration of greenhouse gas in the atmosphere reached a record high in 2018, and the rise is higher than the average percentage increase in the past decade; thus, there is an urgent demand for reducing greenhouse gas emission. In order to reduce greenhouse gas emission, it is necessary to conduct periodical measurement and verification on environmental pollutions, and the professional personnel should accurately use the monitoring tools. It is also important to manage the level of environmental pollution and to provide analysis and forecast on environmental problems for local and central governments.

The aim of this Workshop on “Strengthening Environmental Monitoring” is to discuss and share Taiwan's experience in tackling greenhouse gas, including monitoring and statistical analysis, the verification and standards, personnel training, tools used in operations, and the international connections. This workshop also aims at helping participants to improve their monitoring capacity of greenhouse gas emission to develop related standards and regulations, which serve as the basis for goals like "greenhouse gas emission reduction" and "limit temperature rise."

Objectives:

- Assist in implementing or developing a systematic monitoring technique and standardized analysis, strengthening the capacity of environmental control.
- Introduce environmental monitoring tools to improve the professionalism of personnel.
- Assist in drafting operation regulation and creating a manual to improve the rationality of environmental monitoring tool operations.

Contents:

- standardized measurement and verification
 - ✓ To disclose the amount of greenhouse gas emissions, using Taiwan’s National Greenhouse Gas (GHG) Registry set up by the Environmental Protection

- Administration (EPA) of the Executive Yuan as reference.
- ✓ Introduce Taiwan's formula of calculation, formulated by the Bureau of Energy (BOE) of the Ministry of Economic Affairs following the regulations on calculation and emission factors listed in the IPCC Guidelines for National Greenhouse Gas Inventories; help with the statistical analysis of the participants, using Taiwan's annual Greenhouse Gas Inventory Report Summary prepared by EPA as reference.
 - ✓ In-depth introduction to certification regulations and verification guidelines, using the "Regulations on Greenhouse Gas Validation and Verification Bodies" and "Greenhouse Gas Validation and Verification Manual" of EPA as reference.
 - ✓ Assist to implement the standardized analysis.
 - ✓ Assist to develop systematic monitoring techniques.
- Introduction to environmental monitoring tools to improve the professionalism of personnel
- ✓ Review on the curriculum and standardized teaching material prepared by Taiwan EPA for validators.
 - ✓ Review on EPA's validator training sessions and the regulations on certification.
 - ✓ Assist in training environmental monitoring professionals.
- Improve on the regulations and operation guidelines for the monitoring tools
- ✓ Introduce environmental monitoring software developed by Taiwan's authorized outstanding suppliers.
 - ✓ Assist in drafting operation regulations and guidelines for the monitoring tools.

Who may apply: Government officials, executives, R&D personnel or members of NGO/INGO/international organization. °

- Experience: A minimum of at least two years of progressively responsible experience monitoring environment, reducing greenhouse gas emissions or public service institution/organization (Such as member of COP delegation or the committee on climate change)
- Age: Applicants under 50 years old
- Education: A college degree or above
- Language: A good command of English

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