

國立臺北大學自然資源與環境管理研究所

112 學年度第二學期『清潔生產與工業生態學』

課程進度(03)：清潔發展機制與溫室氣體自願減量專案
Clean Development Mechanism and Greenhouse Gas Reduction Project

● CLEAN DEVELOPMENT MECHANISM

□ Kyoto mechanisms

⇒ [Clean development mechanism \(CDM\)](#)

⇒ [Joint implementation \(JI\)](#)

⇒ [Emissions trading \(ET\)](#)

⇒ [Assigned amount](#) in terms of tonnes of CO₂-equivalent => [AAUs](#), [ERUs](#), [CERs](#), and [RMUs](#)

□ [The Clean Development Mechanism \(CDM\)](#)

The Clean Development Mechanism (CDM), defined in Article 12 of the Protocol, allows a country with an emission-reduction or emission-limitation commitment under the Kyoto Protocol (Annex B Party) to implement an emission-reduction project in developing countries. Such projects can earn saleable certified emission reduction (CER) credits, each equivalent to one tonne of CO₂, which can be counted towards meeting Kyoto targets.

⇒ The mechanism is seen by many as a trailblazer. It is the first global, environmental investment and credit scheme of its kind, providing a standardized emission offset instrument, CERs.

A CDM project activity might involve, for example, a rural electrification project using solar panels or the installation of more energy-efficient boilers. => [Climate Neutral Now | UNFCCC](#)

⇒ A CDM project must provide emission reductions that are additional to what would otherwise have occurred. The projects must qualify through a rigorous and public registration and issuance process. Approval is given by the [Designated National Authorities \(DNA\)](#). Public funding for CDM project activities must not result in the diversion of official development assistance.

The mechanism is overseen by the [CDM: Executive Board \(EB\)](#), answerable ultimately to the countries that have ratified the Kyoto Protocol. => [CDM-Home](#)

□ [CDM in CHARTS \(iges.or.jp\)](#) [CDM: Methodologies \(unfccc.int\)](#)

□ [Carbon Offsets after 2020: the World Under Paris - Carbon Offset Guide](#)

● GREENHOUSE GAS REDUCTION (OFFSET) PROJECTS

□ [立法院專題研究--我國碳定價制度發展現況之探討](#)

□ [我國的碳抵換專案與碳抵換額度制度--台灣科技媒體中心](#)

□ [溫室氣體自願減量專案管理辦法](#) => [溫室氣體自願減量暨抵換資訊平臺](#)

⇒ [環境部溫室氣體抵換專案及自願減量專案審議會設置及作業要點](#)

⇒ [溫室氣體排放量增量抵換管理辦法](#)

⇒ [溫室氣體抵換專案管理辦法](#)

⇒ [行政院環境保護署溫室氣體先期專案暨抵換專案推動原則](#) (104.12.31 廢止)

● HOMEWORK ASSIGNMENT #2 (2024/03/12) :

請參考 UNFCCC 之 [CDM Methodology Booklet](#)，對照、比較溫室氣體自願減量暨抵換資訊平臺-減量方法查詢、以及環境部發布首批自願減量方法清單--環境部新聞專區所列之方法學清單，以回答 (1) 專案範疇類別 B-1~B-14 或 B-1~B-16 所指為何？ (2) 方法學編碼方式 (大規模、小規模、整合性、造林與再造林)？ (3) 小規模專案類型分類方式 (AMS-I、AMS-II、AMS-III) 所指為何？