國立臺北大學自然資源與環境管理研究所 111 學年度第一學期『環境工程科學概論』

課程講義(15):企業永續與氣候韌性發展 Corporate Sustainability and Climate Resilient Development

• SUSTAINABLE DEVELOPMENT

- □ "Definition" of Sustainable Development
 Sustainable development has been defined as development that meets the needs of the present
 without compromising the ability of future generations to meet their own needs.
 (https://www.un.org/sustainabledevelopment/development-agenda/)
- □ <u>UN Conference on Sustainable Development</u> => <u>Environment and Sustainable Development</u> ⇒2022 Stockholm+50
 - ⇒2015 UN Sustainable Development Summit + UNFCCC COP21
 - ⇒2012 UN Conference on Sustainable Development (Rio+20 Earth Summit)
 - ⇒2002 World Summit on Sustainable Development
 - ⇒1997 Special Session of the General Assembly to Review and Appraise the Implementation of Agenda 21 (Earth Summit+5)
 - ⇒1992 UN Conference on Environment and Development (Rio Earth Summit)
 - ⇒1972 United Nations Conference on the Environment
- □ Conventions, Initiatives, Frameworks, and Nexus => Outcomes of the Summits
 - ⇒Stockholm+50: A healthy planet for the prosperity of all our responsibility, our opportunity
 - ⇒UNSD Summit: Agenda 2030 (SDGs); UNFCCC COP21: Paris Agreement
 - ⇒Rio+20: The Future We Want; Rio+10: WEHAB Framework
 - ⇒Rio Earth Summit: Agenda 21, the Rio Declaration on Environment and Development, the Statement of Forest Principles, UNFCCC, UN Convention on Biological Diversity, ISO 14000 series Standards

• UN SUSTAINABLE DEVELOPMENT GOALS

- ☐ UN Millennium Development Goals
- ☐ UN Sustainable Development Goals
 - ⇒2030 Agenda for Sustainable Development
 - \Rightarrow 17 Goals => 169 targets => 232 indicators
 - ⇒Voluntary National Review (VNR) => VLR, VDR =>永續發展自願檢視(ndc.gov.tw)
 - ⇒The 5P Principles: Prosperity, People, Planet, Peace, Partnership
- □ Taiwan's Sustainable Development Goals 臺灣永續發展目標
 - ⇒"The 18th Goal" => 2030 (or 2025) Agenda for Sustainable Development
 - \Rightarrow 18 Goals => 143 targets => 336 indicators
 - ⇒Targets 具體目標? Indicators 對應指標?
- □ Beyond 2030
 - ⇒The World in 2050 (https://www.unsdsn.org/the-world-in-2050)
 - ⇒Report of the UN Secretary-General: "Our Common Agenda" => 12 commitments
 - ⇒EU Climate Action > 2050 long-term strategy > Climate neutral economy by 2050
 - ⇒Net Zero Emissions by 2050: <u>UN Net-zero Coalition;</u> <u>IEA An updated roadmap to Net Zero Emissions by 2050</u>

• CORPORATE SOCIAL RESPONSIBILITY AND CORPORATE SUSTAINABILITY

- □ Corporate Social Responsibility (CSR) <u>UNIDO's Definition</u>
 Corporate Social Responsibility is a management concept whereby companies integrate social and environmental concerns in their business operations and interactions with their stakeholders.

 => Similar concepts: corporate responsibility, corporate citizenship, corporate sustainable development, triple-bottom line, corporate ethics, corporate governance.
- □ UN Global Compact https://www.unglobalcompact.org/what-is-gc/mission/principles
 Corporate sustainability starts with a company's value system and a principles-based approach to doing business. This means operating in ways that, at a minimum, meet fundamental responsibilities in the areas of human rights, labour, environment and anti-corruption. => 10 Principles
- □ Triple Bottom Line
 - ⇒Coined by John Elkington in 1994: A bottom line that continues to measure profits, but also measures the organization's impact on people and on the planet. The triple bottom line is a way of expressing a company's impact and sustainability on both a local and a global scale.
 - ⇒ Quadruple Bottom Line => 5Ps: people, prosperity, planet, partnership and peace https://www.unssc.org/sites/unssc.org/files/2030_agenda_for_sustainable_development_kcsd_primer_en.pdf
- □上市櫃公司企業永續發展
 - ⇒上市櫃公司永續發展路徑圖;企業永續發展簡介
- □ CSR Report and Corporate Sustainability Reporting
 - ⇒Voluntary or Compulsory Information Disclosure
 - ⇒GRI Standard; SASB Standards => IFRS Sustainability Disclosure Standards
 - ⇒上市/上櫃公司編製與申報永續報告書作業辦法 (2022.09.26)
 - ⇒上市上櫃公司永續報告書確信機構管理要點(草案)=>永續指標+氣候相關資訊揭露
 - ⇒Non-Financial Report > Environmental Report > Corporate Social Responsibility Report > Corporate Sustainability Reporting > ESG Reporting

• OTHER CONSIDERATIONS FOR CORPORATE GOVERNANCE

- ☐ Sustainable and Responsible Investment => Divestment
 - ⇒Principle for Responsible Investment PRI | Home (unpri.org)
 - ⇒Equator Principle Equator Principles Association (equator-principles.com)
- □ Climate-related Disclosure
 - ⇒Task Force on Climate-related Financial Disclosures (https://www.fsb-tcfd.org/)
 - ⇒CDP Carbon Disclosure Project (http://www.cdp.net)
 - ⇒The Science Based Targets initiative (SBTi) (https://sciencebasedtargets.org/)
 The SBTi's Net-Zero Standard
- □ <u>Taskforce on Nature-related Financial Disclosures</u>
- ☐ Sustainable Classification and Green Taxonomy
 - ⇒SASB Sustainable Industry Classification System (SICS)
 - ⇒EU Taxonomy for Sustainable Activities (Green Taxonomy)

• CLIMATE RESILIENT DEVELOPMENT

- ☐ Raised by the IPCC AR6 WGII Reports
 - ⇒Climate Change 2022: Impacts, Adaptation and Vulnerability
 - ⇒Definition of Climate Resilient Development (CRD): A process of implementing greenhouse gas mitigation and adaptation options to support sustainable development for all.
- □ Key Concepts
 - ⇒Scenario, Pathway (Roadmap); Transition vs. Transformation

從氣候風險延伸至氣候韌性發展的構想

▶ 氣候、生態系統(包括生物多樣性)、人類社會的耦合系統



從緊急到 及時行動



治理 金融財務 知識&能力 催化條件 科技

