

Climate Change for Organisation Development



Friday, 26 March 2021

Climate Change for Companies: Strategic Implications, Risks and Opportunities

Session 1

0900 - 1030

Opening Remarks & Welcome

Topic: Climate Science: Causes and Effects

Speaker: John Sayer, Director, Carbon Care Asia

Description: Current understanding of the activities causing global climate change and the impact this is likely to bring to business and society.

Scientific consensus; Human activity and a warming planet; Sources of Green House Gas Emissions (GHGs), planetary boundaries; Intergovernmental Panel on Climate Change (IPCC) work & targets; Three mitigation elements: Clean energy, energy efficiency and carbon removal.

Learning Objectives: Understand the climate emergency causes, climate targets recommended by scientists and the key sectors of climate action planning.

Interactive Activities: Class discussions.

1030 - 1100

Break

Session 2

1100 - 1230

Topic: Climate Change Policies: From Global to Local

Speaker: John Sayer, Director, Carbon Care Asia

Description: Response to the climate emergency from the community of nations and civil society and the relationship of climate action to other development priorities.

Policy and social issues: Paris Climate Agreement; SDGs and Agenda 2030; Climate policy instruments; National and sub-national roles; Adaptation and resilience issues; Social movements and climate change; The need for a Just Transition.

Learning Objectives: Decipher the impact of international agreements and negotiations on Singapore's climate plans; differentiate mitigation, adaptation and resilience; recognise issues of importance to NGOs as they advocate a transition to a low carbon economy and trades unions calls for a Just Transition for workers.

Interactive Activities: Class discussions.

1230 - 1330

Lunch Break

Session 3
1330 - 1500

Topic: Creating the Climate-Ready Corporation
Speaker: John Sayer, Director, Carbon Care Asia

Description: The menu of actions and options facing planners and decision-makers tasked with corporate climate strategy.

Climate governance and management in the corporation; Key decision areas for emissions reduction (energy generation, buildings, manufacturing, transport, waste); Sectoral issues for business: manufacturing; construction & real estate; utilities; transport & storage; aviation & shipping; retail & tourism; finance; Green technology.

The corporate climate action menu:

Energy supply; Energy efficiency; Waste; Water; Transport; Carbon offsets; Supply chain management and ethical sourcing

Learning Objectives: Climate policy strategies for business leaders; priority issues in different corporate sectors, key environmental technology advances.

Interactive Activities: Role-playing exercise on corporate climate priorities in different business sectors.

1500 - 1530

Break

Session 4
1530 - 1700

Topic: Building the Business Case to Fight Climate Change – Role of Leadership
Speaker: Prof Lawrence Loh, Centre for Governance and Sustainability (CGS), NUS Business School

Description: : The impact of climate change and resulting climate action on business and markets. Essential factors in risk minimisation and strategic foresight.

It is essential for all corporations to reflect and articulate strategies in the ongoing emphasis on climate change by stakeholders, particularly consumers, investors and regulators. Leaders play a most critical role in crafting a business case to steer the organisation for the new era of climate change readiness.

The module will cover key issues in formulating climate change strategies along the rationales of corporate social responsibility, risk assessment and business benefits. It will also address challenges in implementing such strategies in terms of structures, processes and more broadly the cultures.

Session 4

1530 - 1700

Learning Objectives: Understand the underlying rationale for organisations to appreciate the need and adopt strategies to combat climate change.

Interactive Activities: Case discussions and exercises.

Quiz Assessment

Saturday, 27 March 2021

Climate Change for Corporate Leadership: Planning and Financing the Climate-Ready Corporation

Session 1
0900 - 1030**Opening Remarks & Welcome****Green Economics: The Cost of Sustainability****Speaker:** John Sayer, Director, Carbon Care Asia**Description: The cost of action and the greater cost of inaction. Economic frameworks appropriate for a climate emergency. The special role of cities.**

Environmental and social capital; Emissions trading, carbon taxes and offsets; Environmental externalities; Delinking growth from carbon emissions; The Kaya Identity and doughnut economics; The circular economy and responsible production; Climate action and social development: trade-offs & co-benefits; Impact of Covid-19 on climate action.

Learning Objectives: Understand new macro-economic metrics that take account of earth's finite resources and social progress; identify the externalities ignored in current economic systems; set carbon intensity in the context of emissions reduction targets; unpack concepts of the circular economy; examine the specific climate challenges facing cities.

Interactive Activities: Class discussions.

1030 - 1100

Break**Session 2**
1100 - 1230**Topic: Green Finance I - Principles and Standards****Speaker:** John Sayer, Director, Carbon Care Asia**Description: Categories of green finance and the principles underlying the different products. The outlook for green finance in Singapore and the region.**

Drivers and constraints; Green finance principles and standards; Ratings services, Indexes and criteria; Responsible investment taxonomies; Global funding gaps; Singapore's sustainable finance goals and plans.

Learning Objectives: Understand the universe of green finance and the distinction between green finance and vanilla finance and how these are rated. Reference the key green finance initiatives and organisations and their standards.

Interactive Activities: Class discussions.

Lunch Break

Session 3

1330 - 1500

● **Topic: Green Finance II: Instruments and Options**

Speaker: John Sayer, Director, Carbon Care Asia

Description: A deeper dive into how green finance works for investors and investees and the process by which the supply and the demand for green finance are matched.

Sustainable finance categories (bonds, funds, IPOs), institutions, and eligible criteria; Current market development for green financial product categories; The roles of different stakeholders (banks, regulators, investors); Shaping business operations eligible for green finance.

Learning Objectives: Identify green funds matching business needs; lender and investor preferences; the process for creating a green investment or borrowing.

Interactive Activities: Case studies; class discussions.

1500 - 1530

Break

Session 4

1530 - 1700

● **Climate Reporting for Business – Role of Leadership**

Speaker: Prof Lawrence Loh, Centre for Governance and Sustainability (CGS), NUS Business School

Description: Climate-related reporting concepts and standards for regulators, investors and the broader circle of stakeholders. Effective communication of corporate climate policy.

Climate reporting and climate metrics; Emissions scopes and measurement; Science-based targets and internal carbon accounting; Standards and benchmarks: Clean Development Mechanism CDM, Global reporting Initiative (GRI), Sustainability Accounting Standards Board (SASB), Task Force on Climate-related Financial Disclosures (TCFD); Climate communications: transparency and framing your sustainability case.

Learning Objectives: Understand the principles of sustainability reporting related to climate and environmental issues; differentiate international reporting standards and their intended audiences; an effective approach to communicate corporate sustainability and climate achievements and targets.

Interactive Activities: Case studies; class discussions.

1700 - 1730

Quiz Assessment