



CP Axtra Public Company Limited

Biodiversity Management (TNFD) 2023 Report

31 July 2024

CONTENTS

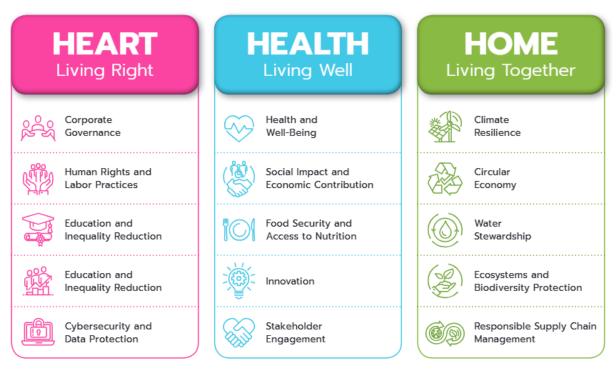
INTRODUCTION	2
GOVERNANCE	3
STRATEGY	6
RISK & IMPACT MANAGEMENT	
Dependency & ImpactPhysical RiskTransitional Risks and Opportunities	9
METRICS AND TARGETS	10
ANNEX I: GLOSSARY	18
ANNEX II :RISK MAP ANALYSIS RESULTS	21
List of Tables Table 1 Roles and Responsibilities of Key Functions	4
Table 2 CP Axtra's Dependency and Impact	
Table 3 CP Axtra's Biodiversity Exposure & Assessment	
Table 4 CP Axtra's Physical Risks	
Table 5 CP Axtra's Transitional Risks and Opportunities	
Table 6 Matrics – Targets and Performances	
List of Figures	
Figure 1 : CP Axtra's 2030 Sustainability Strategy	
Figure 2 : Organizational Structure of Nature and biodiversity Governance	3
Figure 3 : CP Axtra's Biodiversity Protection Strategy	
Figure 4 : Process Step of Biodiversity Risk Assessment	
Figure 5 : Example of risk maps	
Figure 6: The SBTN ART3 Action Framework Mitigation Hierarchy	11

INTRODUCTION

CP Axtra Public Company Limited (The company) operates two core businesses: member-based wholesale business and retail business. The company has been continuously expanding to provide a wide range and assortment of products to professional members, business operators, and end consumers. Headquartered in Bangkok, The company has over 2,000 branches with all types of store formats domestically and internationally. The company's wholesale business includes wholesale stores operating under the Makro brand in Thailand and international markets (except in India, where The company operates under "LOTS Wholesales Solutions") and the food service business. The company's retail business is operated by Lotus's in Thailand and Malaysia. CP Axtra remains steadfast in its devotion to becoming an industry leader whilst expanding its scope of business operations, both online and offline, to be competitive at a regional level in Southeast Asia.

As a foundation for the company's nature and biodiversity journey through establishing a baseline, awareness, and structures also articulates the commitments to protect nature and biodiversity and integrating nature and biodiversity risks and opportunities into the one of our 2030 sustainability strategy within Home - Living Together, "Ecosystem and Biodiversity Protection" as below figure 1.

Figure 1 : CP Axtra's 2030 Sustainability Strategy



This report is the company's first step for adaption of the recommendations of the Task Force on Nature and biodiversity-related Financial Disclosures (TNFD), The scope of the report covers the operation of CP Axtra PCL, its subsidiaries, and selected assets in Thailand. With reference to the TNFD – Recommendations of the Nature and biodiversity-related Financial Disclosures Issued September 2023.

Governance

Describes CP Axtra's governance around nature and biodiversity-related dependency, risks and opportunities.

Strategy

The effects of nature and biodiversity-related dependencies, impacts, risks and opportunities on CP Axtra's business, strategy, and financial planning.

Risk & Impact Management

The processes used by CP Axtra to identify, assess, and prioritize and monitoring and biodiversity-related dependencies, impacts, risk and opportunities.

Metrics & Targets

Describe the metrics and targets used to assess and manage relevant nature and biodiversity-related dependencies, impacts, risk and opportunities.

Moving forward, CP Axtra seeks to continually improve its nature and biodiversity risk and opportunity management in line with TNFD recommendations and global practices. The company intends to regularly review its nature and biodiversity performance against the four pillars above and update this document on an as-needed basis.

GOVERNANCE

At CP Axtra, a robust governance structure is in place to facilitate the oversight of nature and biodiversity-related issues. The Board of Directors (the Board) is the ultimate decision-making body and is responsible for the overall oversight of The company, including overseeing and approving business strategic plans and managing approaches, driving response measures related to environmental, social, and governance (ESG) issues, which also covers the management of nature and biodiversity-related risks and opportunities. The Board considers and reviews its sustainability-related issues and performance as well as mission and strategic plans at least once a year, and assigns relevant functions to develop respective action plans to address these issues.

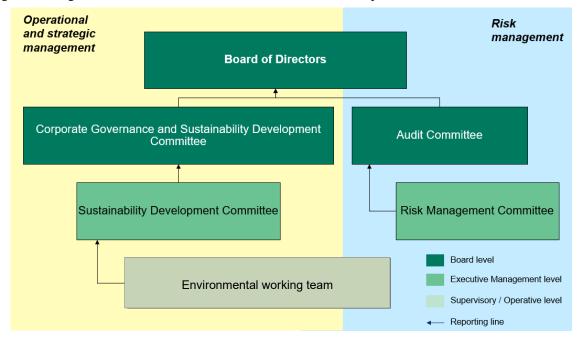


Figure 1: Organizational Structure of Nature and biodiversity Governance

Under the Board's oversight, several committees are established to assist the Board in The company's management of nature and biodiversity-related risks and opportunities, as well as oversee daily operations and report back to the Board in a timely manner (**Figure 1**). These committees include the following:

- Corporate Governance and Sustainability Development (CG&SD) Committee
- Sustainability Development Committee
- Risk Management Committee, under the Audit Committee

In addition, the environmental protection working team was established since June 2022 under the Sustainability Development Committee to enhance the implementation of nature and biodiversity strategy. The roles and responsibilities of each committee are summarized below.

Table 1: Roles and Responsibilities of Key Functions

CP Axtra Functions	Composition	Nature and biodiversity-related Roles and Responsibilities
Board level		
CG & SD Committee (Board Level)	Chaired by an independent director and consists of non-executive directors knowledgeable and experienced in sustainability issues	 Identify and monitor material of nature and biodiversity-related risks and opportunities Endorse policy, framework and strategies to promote sustainability development and nature and biodiversity resilience in the company for the Board's approval Supervise, monitor and review the company's operations against its nature and biodiversity strategy, action plan and goals through corporatelevel oversight Report directly to the Board
Executive mana	gement level	
Sustainability Development Committee	Chaired by one of the Board members, the committee consists of senior executives from all departments responsible for economic, social and environmental performance	 Oversee the efficiency and effectiveness of sustainability and nature and biodiversity performance throughout the company Establish targets, develop strategies, management approaches, and performance indicators for nature and biodiversity-related issues Assign working groups to drive organizational performance to comply with the company's objectives Monitor and review progress on nature and biodiversity actions on a quarterly basis, prepare annual action plans on materiality issues and ESG risks, for the CG & SD Committee's approval Communicate the progress and commitment of the nature and biodiversity dimension within sustainability strategies to internal and external stakeholders
Risk Management Committee	The committee consists of company executives and 12 executives with expertise and experience in risk management. It is structurally independent of the	 Formulate a risk assessment framework and risk management policies covering environmental risks (including nature and biodiversity change) Oversee nature and biodiversity-related risk management Defines the direction of risk management of The company according to its risk appetite and risk policy

business lines and reports directly to the top management of the company.

- Review corporate strategies to ensure the adequacy and appropriateness of risk management for nature and biodiversity-related issues
- Report to the Audit Committee and the Board on its performance annually

Supervisory / Operational level

Environmental Working Teams

Chaired by a member of the Sustainability Development Committee and consists of 17 representatives across departments including Sales and Operations, Supply Chain Management, Construction and Facilities, Risk Management and Compliance, Sustainability, Finance Planning and Analysis, Corporate General Affairs, Account

- Establish operational targets related to nature and biodiversity risk management and resilience with respect to indigenous people, communities and affected stakeholders.
- Implement GHG emissions reduction and offset programs and provide quarterly updates to the Sustainability Development Committee
- Examine technology options and identify solutions for nature and biodiversity resilience that are suitable for the company
- Monitor and ensure compliance with internal environmental policies as well as laws and regulations
- Engage with stakeholders to raise awareness on nature and biodiversity issues, and collaborate with relevant stakeholders on nature and biodiversity management, monitoring and resilience.
- Communicate environmental performance to the Sustainability Development Committee and to other stakeholders via reports and other disclosure channels at least once a year

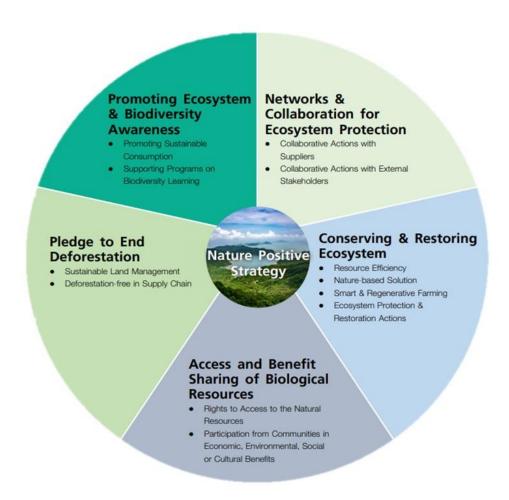
Additional information on the governance framework of CP Axtra's 2023 Annual Report page 103.

Sustainability Reports | CP Axtra

STRATEGY

To maintain healthy and diverse ecosystem of this planet, CP Axtra has established policy to achieve the "No Net Loss" and "Nature Positive Strategy" within 2030 which scope of commitment are all operations, suppliers, vendor, and partners. See more detail at Biodiversity and No Deforestation policy at website link biodiversity-policy-en.pdf (cpaxtra.com)

Figure 2 : CP Axtra's Biodiversity Protection Strategy



The operations with efforts to manage biodiversity values and apply operating practices by setting commitment to prohibit operations where have impacts on species classified as critically endangered, endangered, or vulnerable on the IUCN Red List, endemic species, internationally recognized areas (UNESCO World Heritage sites, Ramsar Wetlands, important biodiversity areas, Conservation of Nature Category or IUCN Category I-IV zones and any adjacent areas to critical biodiversity areas including Protect and restore rare and endangered species by restricting use of any harmful substance or technology to protect soil health and prevent ecosystem destruction and degradation throughout the own operation, supplier and value chain including partners

Conducting a biodiversity risk assessment. Iidentify risks and opportunities have been classified to short, medium, long-term based on the financial impacts. Nature positive strategy is aimed to halt nature loss and reverse the degraded ecosystem that is align with according to TNFD Framework. The strategy is our framework to manage nature-related risks in our operation, supply chain and partners. In addition, It also helps us to convert the nature-related risks to business opportunities.

Application of a mitigation hierarchy including avoidance, minimization, restoration, and offset shall be effectively implemented when the potential risk to biodiversity and deforestation is identified. And

engagement with stakeholders on biodiversity and eencourage all supplier to have a commitment to "No deforestation" and engage with the supplier to ensure that the risk of deforestation shall be managed properly during the contractual period.

RISK & IMPACT ASSESSMENT

To enable CP Axtra's strategy for risks and opportunities associated nature and biodiversity. The company conducted a risk assessment process shown with each step explained below.

Figure 4: Process Step of Biodiversity Risk Assessment



Refer to framework and methodologies from TNFD and analytical tools from IBAT and WWF Biodiversity Risk Filter to assess biodiversity risk location. Including review, the latest nature and biodiversity-related policies and regulations i.e UNESCO World Heritage, and IUCN., market trends and historical hazard events. The location specific approach are applied for assessment are own operation, adjacent areas to own operations (0-5 kms), upstream and downstream activities with Integrated Biodiversity Assessment Tool (IBAT) and WWF Biodiversity Risk Filter. Also reviewed the risks and opportunities reported by its peers to identify and shortlist and opportunity drivers potentially most relevant to The company's business and operation.

The physical and transition risks from each driver towards short-term, medium-term, and long-term time horizons inform the comparative significance of each driver to CP Axtra's business. Each driver was subsequently assigned with an indicator from external nature and biodiversity scenarios. The results were normalized and presented as a heatmap to inform the relative materiality of each driver to business

The company has integrated biodiversity risk and opportunity into the multi-disciplinary company-wide risk management processes of corporate risks that shown on company's website at Enterprise Risk Management Manual (cpaxtra.com) in the identification to enhance and align the biodiversity risk and opportunity with the corporate's overall risk management system.

Dependency and Impact

Dependencies are aspects of environmental assets and ecosystem services that a person or an organisation relies on to function. While, the Impacts refer to a change in the state of nature (quality or quantity), which may result in changes to the capacity of nature to provide social and economic functions. Impacts can be positive or negative. They can be the result of the company's or another party's action.

Table 2 : CP Axtra's Dependency and Impact

	Own operation Adjacent area (0-5 kms)	Upstream activities- fresh food production	Upstream activities-food & beverage manufacturing	Downstream Activities – Delivery
Dependency				
Soil quality	Low	High	Low	Low
Water quality	High	High	Medium	Low
Impact				
Climate Change	Medium	Medium	High	Medium
Land use	Medium	Medium	Low	Low
Water use	Medium	High	High	Low
Ocean use	Low	Medium	High	Low
Air pollution	Low	Low	Medium	High
Solid waste pollution	High	Low	Medium	Medium
Soil pollution	Low	Medium	Low	Medium
Water pollution	Medium	Medium	Low	Medium
Alien species	Low	Medium	Low	Not applicable

Towards to No net Loss and NPI targets for priority areas to work which Priority Areas are identified based on risk assessment data on dependencies and impacts across a company's value chain to determine the relative contribution of different locations to a company's overall biodiversity related risk exposure include the state of nature in value chain locations, the Needs of value chain stakeholders such as dependency on ecosystem services.

Table 3 : CP Axtra's Biodiversity Exposure & Assessment

	Number of sites	Area (Unit: Hectares)
Number and area of own operation including Distribution centre and head offices	Makro = 180 sites Lotus's = 2,465 sites Total CP Axtra = 2,645 sites	Makro = 108.66 Lotus's = 177.24 Total CP Axtra = 285.90
Number of biodiversity impact assessments for own operational sites	Makro = 180 sites Lotus's = 415 sites Total CP Axtra = 595 sites	Makro = 108.66 Lotus's = 142.38 Total CP Axtra = 251.04 (87.8% of total area)
Significant biodiversity impact, or are in proximity to critical biodiversity	Makro = 1 site Lotus's = 1 site Total CP Axtra = 2 sites locate nearby protected area without any significant impact or stakeholder's complaint.	Makro = 0.08 Lotus's = 0.02 Total CP Axtra = 0.10
Significant biodiversity impact, or are in proximity to critical	Makro = 1 site Lotus's = 1 site	Makro = 0.08 Lotus's = 0.02

biodiversity sites have a	Total CP Axtra = 2 sites (100%)	Total CP Axtra = 0.10
biodiversity management plan		
significant biodiversity impact, or are in proximity to critical	Makro = 1 site Lotus's = 1 site	Makro = 0.08 Lotus's = 0.02
biodiversity sites have a	Lotus 5 – T site	Lotus S = 0.02
biodiversity management plan	Total CP Axtra = 2 sites	Total CP Axtra = 0.10
Number of biodiversity impact	Critical tier I = 328 sites (100%)	
assessment sites - supplier (% assessed of total supplier)	Tier 1 = 1,908 sites (35%)	
assessed of total suppliery	Total = 2,236 sites (41%)	
Significant biodiversity impact, or are in proximity to critical	Critical tier I = 0 site Tier I = 0 site	
biodiversity - supplier	Herr – O Sile	
	Total = 0 sites	

Note: 1 hactare = 10,000 sqm.

Physical Risks

CP Axtra categorized physical risks into two types, **acute** and **chronic** risks, and identified the physical risk to The company's assets and operations, value chain. All the significant assets are coverage of this assessment includes 616 key assets (store, head office, distribution centers and warehouse) including suppliers from CP Axtra's portfolio across wholesale and retail stores under different scenarios and time horizons.

Table 4: CP Axtra's Physical Risks

Physical Risk Type	Identified Physical Risk Driver	Baseline (2023)	Medium term (2030)	Long term (2050)
Acute	Riverine floods	Moderate Risk	Moderate Risk	Moderate Risk
Acute	Wildfires	Moderate Risk	High Risk	High Risk
Acute	Tropical Cyclones	Moderate Risk	High Risk	High Risk
Acute/Chronic	Extreme heat	Low Risk	Moderate Risk	High Risk
Acute/Chronic	Water scarcity	Low Risk	Moderate Risk	High Risk
Acute/Chronic	Landslides	Low Risk	Moderate Risk	High Risk

Figure 5 : Example of Risk Maps (see all maps and detail in Annex II)



Transition Risks and Opportunities

Following TNFD recommendations, CP Axtra categorized transition drivers into four types: **policy and legal**, **market**, **technology**, **reputation** and **financial system**. As explained, the assessment was conducted and the results are provided as summary table as below, including the identification of transition drivers, relative materiality of each driver based on the assessment, and potential financial system risk or opportunity.

As the company focuses on the comparative significance of each driver between the base case and the low-carbon case, as it assumes that most transition drivers can be influenced by various factors not related to nature and biodiversity change or low-carbon economy transition. CP Axtra can capture the precise impact of nature and biodiversity-related risks and opportunities have on its business.

Table 5: CP Axtra's Transitional Risks & Opportunity

Table 5 . CF Axtra's Transtitional Kisks & Opportunity				
Transition Risk Type	Identified Physical Risk Driver	Baseline (2023)	Medium term (2030)	Long term (2050)
Policy and Legal	Increasing risk from new laws and regulations	Low Risk	Moderate Risk	Moderate Risk
	Risk from operation within the additional conservation area	Low Risk	Moderate Risk	Moderate Risk
	Tightening restrictions on plastic products	Low Risk	Low Risk	Moderate Risk
Technology	Low-carbon logistics and renewable technology	Limit Opportunity	Moderate Opportunity	Moderate Opportunity
Market	Market-driven shift toward Green Consumerism	Low Risk	Low Risk	Moderate Risk
	Growth of digital marketplaces	Moderate Opportunity	High Opportunity	High Opportunity
Reputation	Social Media, Community or stakeholder's complaint	Moderate Risk	High Risk	High Risk
Financial system	Higher access to finance and capital due to stakeholder recognition	Moderate Opportunity	High Opportunity	High Opportunity

METRICS AND TARGETS

Once the drivers and their materiality were identified and assessed, CP Axtra reviewed and identified the implications of each driver on various aspects of The company's business, from the upstream supply chain to downstream customers. The company also discussed the mitigation measures currently in place or planned in the future among internal stakeholders. The key findings of this discussion enabled CP Axtra to formulate a nature and biodiversity action plan and integrated as material into Enterprise Risk Management system (ERM) and routine monitoring and reporting the progress to the Board of Director.

CP Axtra set the targets and key performance indicators in different time horizons for the focused nature and biodiversity as the of the company's enterprise risk management system. The company believes that setting annual performance targets as its interim progress is complementary to the success of our 2030 Sustainability Targets. In terms of nature and biodiversity-related targets are summarized as follows;

Table 6: Metrics - Targets and Performance

Tuble 5. Flettes Turgets und Ferformunee					
Sustainability	Metrics and KPI Measurement	2023			
Target	(Baseline year – 2020)	Performance			
No Net Loss	 100% own operation and supply chain are assessed to ensure not locate in the natural conservation area or deforestation. Sustainable and traceable sourcing Zero food waste to landfill by 2030 Sustainable packaging by 2030 	 100% operate on legally approval area and 41% suppliers are assessed. Own brand has certified by MSC and ASC and 100% No selling the marine juvenile. 100% plastic packaging is recyclable, reusable or compostable. 100% store - No giving free plastic shopping bag for customer. 100% store - No single use polystyrene food packaging selling. 			
Net Positive	 Every site participates the biodiversity promoting program Planting 200,000 trees by 2030 	 80 sites are participating in the food waste delivered to support the animal conservation centers. Planting 68,228 trees 			
Climate Action	 Carbon neutral by 2030 and Net Zero by 2050 Transition to 100% online delivery with EV within 2030 	 Reduce 1% GHG emission 13%Renewable energy utilization 10% of online delivery fleet have shifted to EV 			

The mitigate actions and projects are developed on the basis of the mitigation hierarchy follow SBTN (2023) Step 4. Act and the example of projects as follow,

Figure 6: The SBTN ART3 Action Framework Mitigation Hierarchy



AVOID

Example projects that have been taken to prevent environmental impacts.

"Sustainable Sourcing" Project

The company prioritizes sustainable sourcing for raw materials and products related to tuna. The selected tuna must not belong to endangered species or red list, as per the International Union for Conservation of Nature (IUCN) guidelines. The company verifies the sources, tuna species, and fishing methods, ensuring they have no adverse impact on the environment. Additionally, The company checks with its partners to ensure compliance with human rights, labour practices, and occupational health & safety regulations for workers. The commitment covers 100% of the products in this category under The company's trademark.

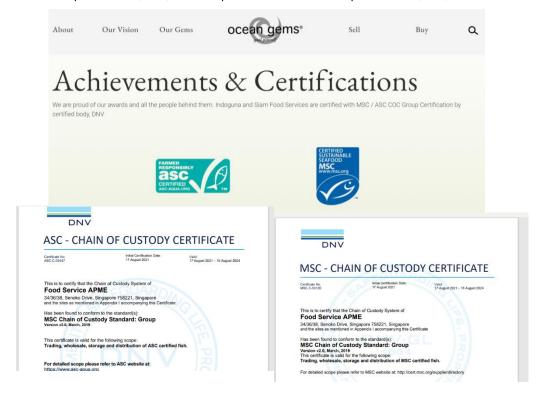






"Own Brand Seafood & Aqua Product Are Certified ASC & MSC"

The "ocean gems" is our seafood and aqua own brand product has 42 items which are certified by Marine Stewardship Council (MSC) and Aquaculture Stewardship Council (ASC)



See detail at https://www.ocean-gems.com/about/achievements-asc and <a href="https://www.ocean

REDUCE

Example of company's actions to minimize or reduce impact or dependency on nature by new development of process and products.

"Save Water, for Future Water Conservation" Project

The Save Water, Save Future project since 2018. To reduce water consumption. by returning the treated effluent to reuse in the green area, and cleaning the waste house or loading area. This project can reduce the amount of water used and recirculate water to improve resource efficiency and reduce operation costs. In 2023, over 72 stores are participating.





"Banana Tree-Packaging" project

Store implemented biodegradable single-use packaging by applying fresh banana tree for the "Local Organic Vegetable" and permanently available at every store for whole year. Over 1,022,997 pieces (equal to 7.16 tons) or 9% of single use plastic are replaced with banana tree packaging.





REGENERATE

Example actions to increase ecological productivity in relation to nature's contribution to people.

" For Better Life of High Land Farmer" Project

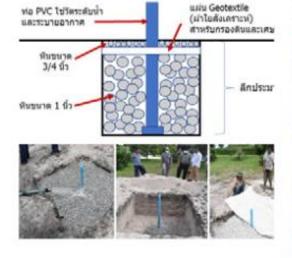
The project aims to survey, educate, and promote farmers in the northern and northeast provinces which are chronic water stress areas. For improving the efficiency of agriculture production and less impact to biodiversity. The company collaborates with the Department of Agricultural Extension and universities to enhance the sustainable and nature based solution farming i.e. use of the water-dropping system,

stopping chemical pesticides by replacing with local herb, and transforming to organic farming. The company also advice the kind of fruit and vegetable that consume less water and high demand.



"Groundwater Banking System" Project

The company adopted a nature solution follow the King Rama IV, the groundwater bank has been installed within the water stress areas. It's simply technology and nature-based solution which only the water sump with rock and vertical piping are installed to collect flash rainfall or well-treated wastewater and flows through the vertically piping to underground reservoir also increase water absorption into the soil. This concept improve water scarcity impacts and from the pilot project at store - Yasothon province and expands to another water stress area in Maha Sarakham province. This knowledge is shared to local farmer and the nearby community. The 20 farmers and communities in water stress are trained and participate the project. The result as over 32 cubic meters per day has returned to nature through groundwater bank system and more than 155,520 Baht in cost savings per year.







RESTORE

We aim to return an area to the original ecosystem and supporting species recovery also ecological restoration at the sites.

"Planting Trees" Project

Lotus's, in collaboration with the Khao Yai National Park Conservation Foundation under the Next Gen New World project, organized youth training activities, including tree planting and forest fire stopping. The project has continuously planted over 61,000 trees in national parks in many provinces. The employees participated planting 500 seedlings, at stores, distribution centers, and community. Furthermore, lotus's collaborates with partners in the campaign to generating funds through the sale of eco-friendly dishwashing liquid products. For every product sold, donated 1 Baht to support tree planting activities in Thailand. In 2023, 61,000 seedlings are planted, and 1,209,234 Baht are donated to support tress planting activities.







Altogether, makro is implementing the project to conserve the native trees based on urban reforestation principles. The planting with native perennial trees, such as bamboo, mango, and jackfruit including rare species tree i.e Teak, Siamese rosewood etc. The project aims to conserve species of local perennial trees, reduce greenhouse gases, improve soil health and being food source and biodiversity education center for employees, customers and nearby communities. In 2023, there are 7,228 perennial trees at stores and more accumulated trees every year.











"AXTRA Care - Save the Turtle and Elephant" projects

As turtle and elephant are at risk species, The company actively collaborated with government, community and suppliers to support the Conservation centre. Under the project "Love the sea, Save the turtle: at "Man Nai" island which is the largest this archipelago. And continuously donate the food waste from stores to support the turtle and elephant upcountry many conservation centres.



TRANSFORM

The company address the fundamental drivers of nature loss, protecting nature and human well-being and improving the functioning of real and financial economy across supply chains and sector.

"Transform the Fishery Supply chain of Thailand - Saving the Juvenile Marine Animals " project

According to SDG-14 (Life below water), The company aims to transforms the national fishery industry. CP Axtra collaborate with government, media and announce our commitment that whole CPAxtra's supply chain "Stop catch, Stop purchase and Stop sell juvenile marine animals". The objective is utilized the economical mechanism drive the wide change to the fishery supply chain in Thailand. For protection the juvenile marine animals, which is fundamental of food chain for biodiversity and ocean ecosystem. The commitment is publicly communicated to all relevant partners and suppliers including stakeholders, communities, media and NGOs. The actions are starting from the enforce the traceability, the proper sourcing, defining & inspect the size and species, equipment, and fishing methods, ensuring no adverse impact on the freshwater and ocean environment. Additionally, this initiative aims to drive to

sustainablele fishery by changing the system and behaviour. Altogether, with the educate to raising awareness among suppliers, producers, traders, and local fishery groups till the customer and consumer.





The commitment are broadcasting on TNN News and can watch at link: "แม็คโคร-โลตัส"หนุนทะเลยั่งยืน ชวนคนไทยไม่บริโภคสัตว์น้ำวัยอ่อน | TNN ช่าวค่ำ | 6 มิ.ย. 65 (youtube.com)

"Transform to Clean Energy and EV Utilization" Projects

Aims to carbon neutral by 2030 and Net zero by 2050. CP Axtra transforms to RE100 -renewable energy 100%. The solar rooftop are installed 87 stores from 111 stores and distribution centers (or 78%). In addition, there 2 stores of Makro achieved the "Global Sustainable Energy and Environment in 2023" (GSEE) from Provincial Electricity Authority of Thailand.

The green refrigerant with "Water-Loop Cooling System." Replacing the traditional refrigerant improves energy efficiency by the smaller size of the compressor and reduces GHG emissions from refrigerant. The pilot project installation is at the two stores (Lat Kra Bang and Pink Lao branches) and expanding plans for the others. The green refrigerant is significant low carbon emission which the reduce GHG 598 tons of CO2 equivalent per year, reduce energy consumption 481,800 kilowatt-hours per year and cost saving 1,927,200 Baht per year.

Also green logistics; the Hydrogen Fuel cell and EV are replacing fossil fuel vehicle for own operation and enforce all supplier both upstream and downstream transportation. Furthermore, all stores are utilizing EV forklifts which decrease greenhouse gases emission and increase cost savings. In 2023, reduce carbon emission 77,421.80 tons of CO2 eq. and energy saving 1,204,962.37 Baht per year.















ANNEX I: GLOSSARY

Alliance for Zero Extinction (AZE) site: highest priority KBAs. AZEs will trigger critical habitat status due their extreme importance for the last known populations of highly threatened (CR and EN) species.

Important Bird and Biodiversity Areas (IBAs): Important Bird and Biodiversity Areas (IBAs) are priority sites for bird conservation because they regularly hold significant populations of one or more globally or regionally threatened, endemic or congregator bird species, or highly representative bird assemblages.

IUCN Protected Area Management Categories: assigned to legally protected areas by national government agencies to allow international comparison between national protected area networks, based on management objectives of a protected area. Assigning IUCN categories to protected areas is encouraged, although their use is voluntary, and therefore not all protected areas have an IUCN category assigned to them. These protected areas are designated or recognised at the national level and should not be treated as less important than protected areas to which a management category has been assigned or reported. The six categories are:

- Ia: To conserve regionally, nationally or globally outstanding ecosystems, species (occurrences or aggregations) and/or geodiversity features: these attributes will have been formed mostly or entirely by non-human forces and will be degraded or destroyed when subjected to all but very light human impact. Strictly protected areas set aside to protect biodiversity and also possibly geological/ geomorphological features, where human visitation, use and impacts are strictly controlled and limited to ensure protection of the conservation values.
- Ib: To protect the long-term integrity of natural areas that are undisturbed by significant human activity free of modern infrastructure and where natural forces and processes predominate, so that current and future generations have the opportunity to experience such areas. Large area of unmodified or slightly modified land, and/or sea, retaining its natural character and influence, without permanent or significant human habitation, which are protected and managed so as to preserve their natural condition.
- II: To protect natural biodiversity along with its underlying ecological structure and supporting environmental processes, and to promote education and recreation. Large natural or near natural areas set aside to protect large-scale ecological processes, along with the complement of species and ecosystems characteristic of the area, which also provide a foundation for environmentally and culturally compatible spiritual, scientific, educational, recreational and visitor opportunities.
- III: To protect specific outstanding natural features and their associated biodiversity and habitats. Areas set aside to protect a specific natural monument, which can be a landform, sea mount, submarine cavern, geological feature such as a cave or even a living feature such as an ancient grove.
- IV: To maintain, conserve and restore species and habitats. Protected areas aim to protect particular species or habitats and management reflects this priority. Many category IV Protected Areas will need regular, active interventions to address the requirements of particular species or to maintain habitats, but this is not a requirement of the category.
- V: To protect and sustain important landscapes/seascapes and the associated nature conservation and other values created by interactions with humans through traditional management practices. Areas where the interaction of people and nature over time has produced an area of distinct character with significant ecological, biological, cultural and scenic value and where safeguarding the integrity of this interaction is vital to protecting and sustaining the area and its associated nature conservation and other values.

• VI: To protect natural ecosystems and use natural resources sustainably, when conservation and sustainable use can be mutually beneficial. Generally large areas, with most of the area in a natural condition, where a proportion is under sustainable natural resource management and where low-level non-industrial use of natural resources compatible with nature conservation is seen as one of the main aims of the area.

IUCN Red List of Threatened Species (IUCN RL or Red List): international standard for assessing threat status for species. The Red List is compiled by IUCN's global network of experts, specialist groups and partners. For further information, please see the IUCN Red List of Threatened Species website. Red List categories are:

- Critically Endangered (CR): Highest risk of extinction. A taxon is Critically Endangered when the best available evidence indicates that it meets any of the criteria A to E for Critically Endangered, and it is therefore considered to be facing an extremely high risk of extinction in the wild.
- Endangered (EN): Very high risk of extinction. A taxon is Endangered when the best available evidence indicates that it meets any of the criteria A to E for Endangered, and it is therefore considered to be facing a very high risk of extinction in the wild.
- Vulnerable (VU): Risk of extinction. A taxon is Vulnerable when the best available evidence indicates that it meets any of the criteria A to E for Vulnerable, and it is therefore considered to be facing a high risk of extinction in the wild.
- Near Threatened (NT): A taxon is Near Threatened when it has been evaluated against the criteria but does not qualify for Critically Endangered, Endangered, or Vulnerable now, but is close to qualifying for or is likely to qualify for a threatened category in the near future.
- Least Concern (LC): A taxon is Least Concern when it has been evaluated against the criteria and does not qualify for Critically Endangered, Endangered, Vulnerable, or Near Threatened. Widespread and abundant taxa are included in this category.
- Data Deficient (DD): A taxon is Data Deficient when there is inadequate information to make a direct, or indirect, assessment of its risk of extinction based on its distribution and/or population status. A taxon in this category may be well studied, and its biology well known, but appropriate data on abundance and/or distribution are lacking. Data Deficient is therefore not a category of threat. Listing of taxa in this category indicates that more information is required and acknowledges the possibility that future research will show that threatened classification is appropriate.

Key Biodiversity Areas (KBAs): Key Biodiversity Areas (KBA) are 'sites contributing significantly to the global persistence of biodiversity', in terrestrial, freshwater and marine ecosystems. Sites qualify as global KBAs if they meet one or more of 11 criteria, clustered into five categories: threatened biodiversity; geographically restricted biodiversity; ecological integrity; biological processes; and, irreplaceability. KBAs comprise an "umbrella" set of internationally-recognized priority sites for biodiversity that include Important Bird and Biodiversity Areas (IBAs); and Alliance for Zero Extinction (AZE) sites. For further information please see the Key Biodiversity Areas website. Protected Area designation: Within IBAT users can filter protected areas data by designation in the following categories:

- National: Protected areas designated or proposed at the national or sub-national level Natura 2000: A European network of protected sites under the European Habitats and Birds Directives, aiming to protect the most valuable and threatened European habitats and species.
- Regional Seas: Protected areas established under Regional Seas Conventions such as OSPAR World Heritage: A landmark or area which is selected by the UNESCO as having cultural, historical, scientific or other form of significance, and is legally protected by international treaties. The sites are judged important to the collective interests of humanity.
- Ramsar: Wetlands protected by national governments to fulfil their obligations under the Convention on Wetlands of International Importance (commonly called the Ramsar Convention).

• MAB: A global network of sites established by countries and recognized under UNESCO's Man and Biosphere Programme to promote sustainable development based on local community efforts and sound science.

Protected Area governance: Within IBAT users can filter protected areas data by governance in the following categories: z

- Governance by government, which includes federal or national ministry or agency, subnational ministry or agency, and government-delegated management
- Shared governance, which includes transboundary governance, joint governance, and collaborative governance.
- Private governance, which includes individual landowners, non-profit organisations, for profit organisations, governance by indigenous peoples and local communities, including indigenous peoples and local communities

ANNEX II: RISK MAP ANALYSIS RESULT

WHAT AM I SEEING HERE?

Water Scarcity

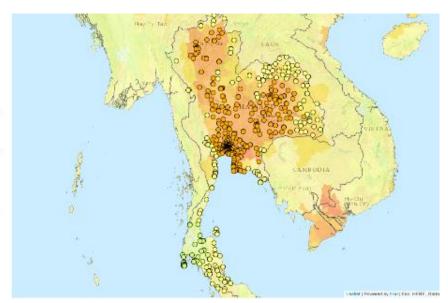
Water scarcity refers to the physical abundance or lack of freshwater resources.

It can significantly impact business such as production/supply chain disruption, higher operating costs, and growth constraints. Water scarcity is numan-driven, and can be baggrowned by entural conditions (e.g., andily, drought peneds). It is generally calculated as a function of the volume of water userdement relative to the volume of water available in a given sees. However, water starcity does not consider whether water is accessible and/or fit for use, as defined by the UN Global Compact CEO Water Mandate (2004).

This indicator has already been talk ulated in the Water stakletter (WRH) and has been integrated into the timber sity. Risk Riter without changes. The Water Risk Riter risk category standty is a comprehensive and notout metric as it integrates a total of a best available and pres-eveneved datasets covering different aspects of scarcity as well as different modeling appenaches, addly, water depistion, baseline water stress, blue water scarcity, available water remaining, drought frequency probability, and projected change in drought occurrence.

What does very high risk mean for this indicator? Areas of very high risk are likely to experience very high. Levels of water scarcity. See the specific risk indicator layers in the WRF methodology for more details.





3.2 Fire Hazard v

Show more settings

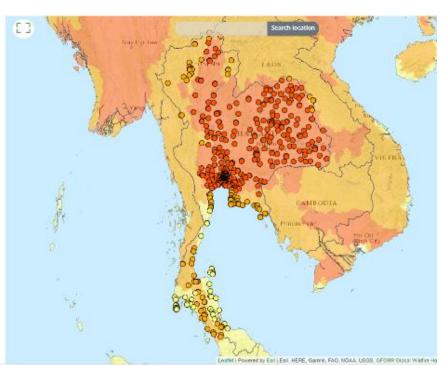
WHAT AM I SEEING HERE?

Wildfire Hazard

This indicator assesses the potential threat of wildfires due to fire weather intensity.

Wildfires impose significant risks to human lives and economic activities. In extreme fire weather events, strong winds and wind-born debris may even weaken the integrity of infrastructure. Climate change may further increase the frequency of fire weather occurrences, including an increase in temperature, greater variance in rainfall and Increase in fire season duration. Climate projections indicate that there could also be an increase in the severity of fire. This indicator is based on the Global Facility for Disaster Reduction and Recovery's (GFDRR) global wildfire hazard levels. The approach to classifying wildfire hazard levels used is based solely on fire weather index dimatology. These intensities are classified based on thresholds using conventions to provide hazard classes that correspond to conditions that can support problematic fire spread in the landscape, if an ignition and sufficient fuel were to be present.

What does very high risk mean for this





WHAT AM I SEEING HERE?

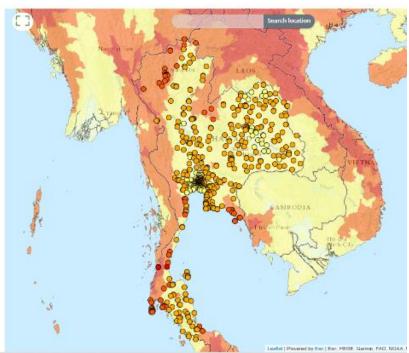
Landslides

This indicator assesses the potential threat of rainfall- and earthquake-triggered landslides.

Landslides impose significant risks to human lives and economic activities. Landslides have become more prevalent because of anthropogenic disturbances, such as landcover changes, land degradation and expansion of infrastructure. These are further exacerbated by more extreme precipitation due to climate change, which is predicted to trigger more landslides and threaten sustainable development in vulnerable regions.

The Global Landslide Hazard Map has been used as the basis for this indicator. It presents a qualitative representation of global landslide hazard on a global scale. It is a combination of the Global Landslide Hazard Map: Median Annual Rainfall-Triggered Landslide Hazard and the Global Landslide Hazard Map: Earthquake-Triggered Landslide

What does very high risk mean for this indicator? Areas of very high risk have a high landsilde



SWILLIE

3.6 Tropical Cyclones

Show more settings

WHAT AM I SEEING HERE?

Tropical Cyclones

This indicator assesses the predicted maximum wind speed (mph) on a 50-year return period.

Storms can impact companies and value chains through a variety of ways, including building and property damage. Rooding or power outages, which may lead to temporary or permanent company closures and loss of

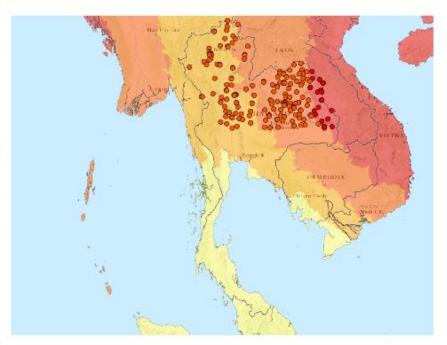
revenue.
This indicator is based on GEDRR's tropical cyclonic strong wind and storm surge model, using information from 2.594 historical using information from 2.594 instonces troptical cyclories, topography, benain roughness and bathymetry. This distributes is the most up-to-date repository of information associated with tropical cyclories.

What does very high risk mean for this indicator? Areas of very high risk are predicted to

experience very high maximum wind speeds (>120mph) on a 50-year return period. See the documentation for more details.

GFDR3 (2017)

n/a Very low risk Very high risk



Show more settings

WHAT AM I SEEING HERE?

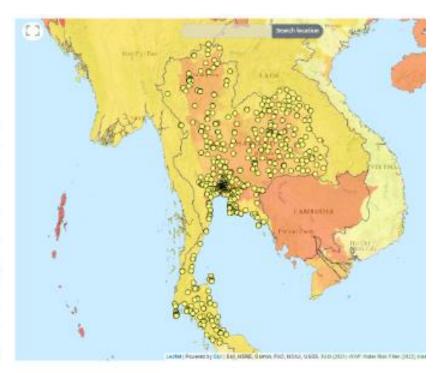
Resource Scarcity: Food -Water - Air

The indicator is a composite of food insecurity, water scarcity and six quality data.

Sometimes named The Sig Three air, water and took are except to rinarian curried. The criticate of indicators was included in the BBF to measure where the most basic conditions were acrisic, which can compromise working conditions and could patentially reflect hardly on businesses, uper ating in regions where these conditions might not be med.

For food instituting, TAO data on prevalence.

For food instituting, TAD data an prevalence of moderate or severe front insecurity in the total population and country/de-country basis was used. Please were this data source is only available on a country level. For water secretly, the Water Risk Fiber's (WRF) data has been integrated into the Beatwards Risk Fiber without changes. See the specific risk indicates layers in the WRF methodology for more details. For air quality, homeone, accept opportunities of PADA is were used. PMIPAS in the armoul global surface consentrations, processors per cubic meter) of all composition ground-level fine particulate matter of 2.5 enterometers or phases.



Show more settings

WHAT AM I SEEING HERE?

Limited Marine Fish Availability

This laid safor refers to the stock status of marine fish,

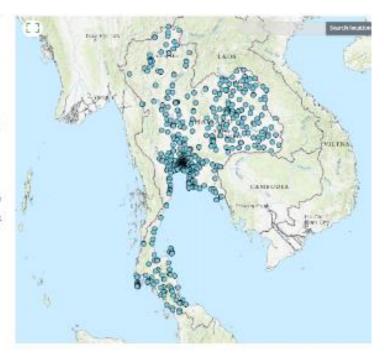
As the largest bladed tool commodity in the world, seahood provides sustainance to billions of people winited at More than 65% of the world's faither have been pushed to or beyond dieth stolegical limits.

Demining occurs in areas that have been applicated at these is that exceed the expectly for implocement in proposal improved that are being exertished or producing satches that are being exertished in the exertished forward. As a result of internet expectably follows sequential stages of exercisonment underwinged, developing fails explored, overfathed, and collapsed, no access areas where maning fath was labelity is limited, all fath exploit that were assessed by the Sea Around US project as anything other than developing were considered.

what does very high not mean for this indicator? In a week of very high not for this indicator it was evaluated that were 1694 first stocks collegised/barrear produces retourned by see that documentation for more detail.

Seattle of the Carte





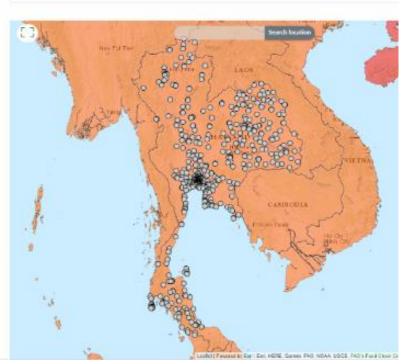


WHAT AM I SEEING HERE?

Plant/Forest/Aquatic Pests and Diseases

This indicator assesses the potential threat from transboundary animal and plant posts and diseases.

as genetic and species diversity in lost and embystems are degrates, the complexity of the devaid system can be compressed, the devaid system can be compressed, making it more volunerable and potentially deating new opportunities for disease emergence. Emerging diseases include transboundary animal and plant poets and diseases, including for estrimber poets and equality animal and part of the standard standard standard transition of the diseases. Foot safety threats can have a large impact on fiscal security, forman health, livelihoods and fiside. To estimate the frequency of abonotic, vector-torne and water frome diseases, data from the EAO's food Chairs Crass barly Warning Bulletin (2018-2020) was used. The purpose of the disease is to inform of forecasted threats to animal and plant health and food safety that may have a significant impact on food and mutrition security. Please note that the bounce data for this indicator is only available on a country level.



: 2 Torest Productivity and Estanco in Markets

Show impressettings

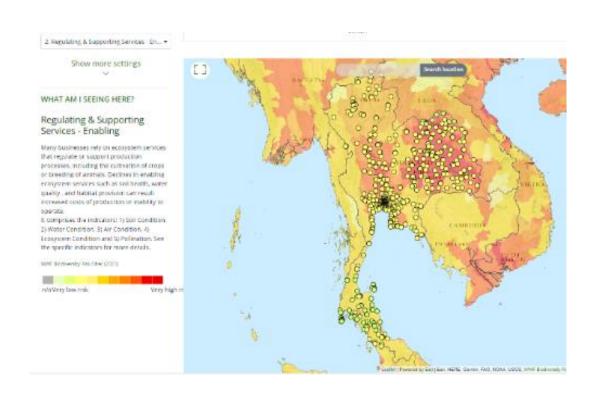
WHAT AM I SEEING HERE?

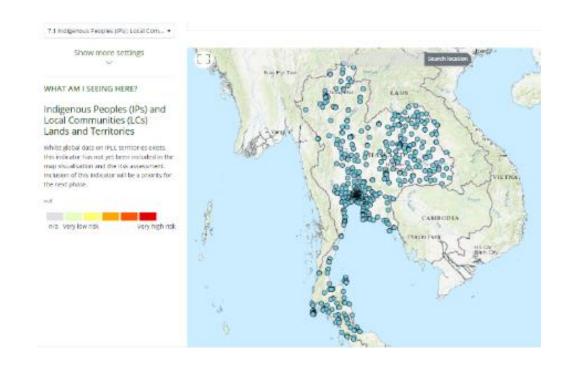
Forest Productivity and Distance to Markets

this indicator refers to aspects of productively and commendal access to timber - more specifically the total potential seaalisticle supply of sinters as well as aspects of accessibility for commercial tember harvesting and availability of infrastructure for the subsequent harroport to markets, applicative per subsequent harroport to markets, applicative.

Foreign, both natural and managed, provide brother for contraction as well as weed and page? products for detection on well toppert. Biddaily, formst-provide ever usus each toppert. Biddaily, formst-provide ever usus each billion, or the of global court strongly would based product. (World Barrs, 2000), At low contractions mere in restantable and can constraine to be provided at the rates consumed. As high extraction rates it is convergable of the coopyrism and may conneg the orbendeds for other services provided by forests. At lock of timber supply or a lack of some softially to markets our significantly impact business through productionsupply shan disruption, higher operating costs, and growth constraints.
This indicator was calculated on the basis of frelative resolved throse services higher (987%) - a function of







CP Axtra Public Company., Ltd.

Head office 1468 Phattanakan Road, Khwaeng Phattanakan Khet Suan Luang, Bangkok 1-250 10120 Thailand

T: +66 2 067 8900 F: +66 2 067 8900

www.cpaxtra.com