

CDL SUSTAINABILITY QUARTERLY REPORT

VOLUME 6: Q3 2018



NO MORE TIME TO WASTE: UNPRECEDENTED CLIMATE ACTION IS NEEDED

While festive bells are ringing with year-end festivities just around the corner, scientists around the world have sounded the alarm bell with the release of the landmark report by Intergovernmental Panel on Climate Change (IPCC) that climate change is happening at a much faster pace than the curbing actions that countries and corporates are taking. As the ferocity of this quarter's super-typhoons and heatwaves shows, the world is changing before our eyes.

In September, Super Typhoon Mangkhut slammed into northern Philippines with violent winds and torrential rains that left behind a trail of heavy destruction and a death toll of 64. Dozens of people, mostly small-scale miners and their families, were trapped by the landslides in far-flung villages. The raging storm then swept into Hong Kong, smashing windows in the city, tearing off parts of buildings and roofs, while hotels and restaurants became flooded with waters waist-deep. When the typhoon hit the nearby cities, more than 100 people were injured and 2.4 million fled to safe grounds in Guangdong. Even the neighbouring enclave of Macau had to close all 42 of its casinos for the first time.

Should global temperatures rise to catastrophic levels by 2040, extreme droughts, heatwaves, sea levels, and even mass extinctions could happen. These events could result in a US\$54 trillion economic loss and climate refugees around the world. In the words of Mr António Guterres, United Nations Secretary-General, during his address on climate change on 10 September 2018: "There is no more time to waste...It is not too late to shift course, but every day that passes means the world heats up a little more and the cost of our inaction mounts."

At City Developments Limited (CDL), it is our longstanding belief that we need to conserve as we construct and manage. Since 2015, CDL has formulated our Future Value 2030 Blueprint to strengthen the long-term resilience of CDL's business while we continue to strive towards our ambitious Environmental, Social and Governance (ESG) goals to support CDL's growth. In Q3 2018, we continued to make good strides in the areas of innovation, a top material issue for CDL, as well as thought leadership for our ESG practices. Innovative solutions for future homes were piloted by our NUS-CDL Tropical Technologies (T²) Lab. We also maintained our top ranking in several global benchmarks, such as Global Real Estate Sustainability Benchmark (GRESB)'s Sector Leader for Office in Asia. CDL's extensive sustainability outreach programs have brought the world's spotlight on Singapore when CDL's Chief Sustainability Officer (CSO), Ms Esther An, became the first Singaporean to be conferred the 2018 Sustainable Development Goals (SDG) Pioneer for green infrastructure and a low-carbon economy by the United Nations Global Compact (UNGC). Another encouraging development that rounded up the quarter was the impact achieved through the Singapore Sustainability Academy (SSA). As the hub for facilitating conversations and collaborations for climate action, the SSA held 104 outreach and training activities from Q1 to Q3 2018, exceeding its target of holding 100 events even before the year has ended.

Read on for more updates from CDL's Sustainability department.

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Q3 2018 SUSTAINABILITY PERFORMANCE PROGRESS

Data reported in this quarterly progress tracker may be subjected to variance following a full year external audit which will take place at the end of 2018.

Legend: Progress Tracking

- ○ ● Meet interim targets, maintain performance towards meeting 2030 targets
- ● ○ Fall short of interim target for one year, review current practices
- ○ ○ Fall short of interim target for more than two consecutive years, review and revise targets (if necessary)

Future Value 2030 Goals	2030 Targets (Effective from 2017)	Interim 2018 Annual Targets	To-date Performance (As of Q3 2018)
Goal 1: Building Sustainable Cities and Communities      	Achieve Green Mark certification for 80% of CDL owned and/or managed buildings	≥75%	○ ○ ● 75% achieved
	Maintain 100% tenant participation in CDL Green Lease Partnership Programme	Achieve 100%	○ ○ ● 100% maintained
	Double our commitment to adopt innovations and technology of green buildings	Average of two innovations or new technology adoptions per year	Annual data to be reported at end of 2018
	Double resources devoted to advocacy of sustainability practices, stakeholder engagement and capacity building	≥100 training programmes and events held in the SSA per year	○ ○ ● 104 comprising 28 trainings and 76 events
	Achieve science-based target of reducing carbon emissions intensity by 59% from 2007 levels	40% reduction ¹	○ ○ ● 34% reduction

Goal 2: Reducing Environmental Impact 	Reduce energy usage intensity by 35% from 2007 levels	29% reduction	○○● 27% reduction
	Reduce water usage intensity by 38% from 2007 levels	32% reduction	○○● 33% reduction
	Reduce total waste intensity by 50% from 2016 levels	0.7% reduction	○○○ 0.1% increase Intensity in steady decline since Q1 2018; projected to meet target by Q4.
	Ensure 100% of appointed suppliers are certified by recognised environmental, health and safety (EHS) standards	≥30% of suppliers appointed by Asset Management Division; 100% of main contractors and ≥30% of consultants appointed by Property Development Division	Annual data to be reported at end of 2018
	Reduce embodied carbon of building materials by 24% compared to their conventional equivalents	7% reduction for new projects awarded from 2018 onwards	Data to be reported at end of 2020 ²

Goal 3: Ensuring Fair, Safe and Inclusive Workplace 	Maintain Zero corruption and fraud incident across CDL's core operations	Zero	○○● Zero corruption and fraud incident
	Maintain Zero fatality across CDL's operations and direct suppliers in Singapore	Zero	○○● Zero fatality
	Maintain Zero occupational disease across CDL's operations and direct suppliers in Singapore	Zero	○○● Zero occupational disease
	Maintain Zero Accident Frequency Rate (AFR)³ for our employees within CDL premises	≤ 1.9 ⁴	○○● Zero AFR
	Maintain AFR of 1 or less for direct suppliers at CDL construction sites	≤ 1	○○● Zero AFR
	Maintain AFR of 1 or less for direct suppliers at CDL managed properties	≤ 1.9 ⁴	○○● 1.0 AFR One reportable incident ⁵

Notes:

¹ For Scope 1 direct emissions and Scope 2 indirect emissions from purchased electricity only. CDL's activities are purely real estate. The direct emissions from construction activities by our construction contractors are reported under Scope 3 emissions. CDL has set separate targets to address our Scope 3 emissions for capital goods and investment. For more information, please visit www.sciencebasedtargets.org

² Based on the life-cycle of our property development projects, embodied carbon data for building materials are only available 2 years after a project has been awarded.

³ Accident Frequency Rate (AFR) refers to the number of workplace accidents per million manhours worked.

⁴ Based on 2017 Real Estate Services Industry Average found in the WSH National Statistics 2017 Report provided by Workplace Safety & Health (WSH) Institute and the Ministry of Manpower (MOM). For more information, please visit www.mom.gov.sg.

⁵ Reportable incident refers to work-related accident, workplace accident, dangerous occurrence and occupational disease that require statutory reporting to the MOM, as mandated by the Singapore WSH Act.

RECOGNITION FOR LEADERSHIP IN ESG PRACTICES

First Singaporean honoured as UN Global Compact SDG Pioneer for Green Infrastructure and a Low-Carbon Economy



Launched in 2016, the UNGC SDG Pioneer Award recognises individuals around the world who have made significant contributions in championing the UN Sustainable Development Goals (SDG). CDL's CSO, Ms Esther An, was among the 10 international awardees to be conferred this honour for 2018. She is the only person from Singapore and one of the two Southeast Asian women to be awarded.

Esther was instrumental in spearheading CDL's sustainability strategy. CDL took the initiative to align its material issues with the SDGs by effectively managing our ESG issues and building collaborations across sectors. One of her initiatives, the zero-energy SSA was conceptualised and built as Singapore's first major ground-up 3P partnership in support of the SDGs. In its first year of operations, the SSA held over 120 sustainability-focused events and training courses, and engaged over 4,500 representatives from the people, public and private sectors.

Esther has also served on the Management Committee of Global Compact Network Singapore (GCNS), the local chapter of UNGC, since 2005. To spur more youths in responsible business, Esther initiated the CDL-GCNS Young CSR Leaders Award in 2011. The case competition was rebranded as CDL-GCNS Young SDG Leaders Award in 2018, to provide closer alignment with the SDGs and to inspire companies in Singapore to take action to embrace the SDGs. CDL is proud of Esther's relentless dedication in pushing the sustainability agenda for over two decades and the global recognition of her achievements.

For full press release, refer [here](#).

CDL tops Global Real Estate Sustainability Benchmark (GRESB) Office Sector in Asia

On the back of rising demand for sustainable investments, CDL continues to lead global rankings as one of the most sustainable companies. CDL has been named as Asia's Sector Leader for Office, in the 2018 Global Real Estate Sustainability Benchmark (GRESB) results. This is the second consecutive year that CDL has received the top honour for the office sector in Asia category.

Each year, GRESB assesses and benchmarks the ESG performance of real estate and infrastructure portfolios and assets worldwide and monitors progress towards global sustainability goals. GRESB's assessments are guided by what investors and the



industry consider to be material issues in the sustainability performance of real asset investments and are aligned with international reporting frameworks such as the Global Reporting Initiative (GRI) and Principles for Responsible Investment (PRI).

With the global transition to a low carbon economy and Singapore's impending carbon tax in 2019, CDL has accelerated its climate strategy by having its carbon reduction targets assessed and validated by the Science-Based Targets Initiative (SBTi). CDL targets to reduce its greenhouse gas (GHG) emissions per square metre across its Singapore operations by 59% from base-year 2007 by 2030. For its development projects, CDL also commits to use sustainable building materials, instead of their conventional equivalents, with a view to reduce embodied carbon by 24% by 2030. In addition, CDL will engage its subsidiary, Millennium & Copthorne Hotels plc, to set a science-based emissions reduction target by 2025



Group Chief Financial Officer Ms Yiong Yim Ming receiving the honour on behalf of CDL from GRESB's Head of Asia Pacific, Mr Ruben Langbroek.

For more information, refer [here](#).

Ethical investment index cites CDL again since 2002 for strong sustainability practices



FTSE4Good

CDL continues to be a member of the FTSE4Good Index Series for the 16th year, following the index review in June 2018. The FTSE4Good Index is a series of ethical investment stock market indices launched by the FTSE Group, designed to provide investors with a transparent and objective benchmark to measure the performance of companies demonstrating strong ESG practices. Only companies that can demonstrate best-in-class sustainability practices make the final list and CDL is proud to be included for the most number of years amongst all Singapore companies in the FTSE4Good Index Series.

CDL recognised at SIAS Investors' Choice Award 2018



Group Chief Financial Officer Ms Yiong Yim Ming receiving the SIAS' award trophy from Mr Edwin Tong, Senior Minister of State, Ministry of Law and Ministry of Health, at the SIAS 19th Investors' Choice Awards Ceremony.

CDL is honoured to receive the Sustainability Award (Winner) and Most Transparent Company Award (Runner-up) at the Securities Investors Association (Singapore) 2018 Investors' Choice Award Ceremony.

This is the second consecutive year that CDL has won the Sustainability Award. Having started its sustainability journey since 1995, CDL has integrated sustainability into its corporate strategy and voluntarily issued its first sustainability report in 2008. Investors are increasingly looking at ESG information and these awards are testament to CDL's leadership in ESG reporting and practices

LEADING THE WAY FOR GREEN BUILDINGS

In support of SDGs:



Developing cutting-edge innovation at NUS-CDL T² Lab



Hosted by SDE Dean Professor Lam Khee Poh, the CDL management team led by Group CEO Sherman Kwek had an enriching site meeting at the NUS-CDL T2 Laboratory.

Led by Group CEO Sherman Kwek, CDL's senior management team and staff from its Enterprise Innovation Committee visited the NUS-CDL T² Lab on 31 August 2018. They were introduced by Professor Eddie Lau to the NUS core members and collaborators for this project. Director Professor Stephen Lau as well as Solar Energy Research Institute Singapore also presented on the progress of some of the pilots that were being carried out at the laboratory.

The NUS-CDL Smart Green Home and NUS-CDL (T²) Lab were part of a S\$2.25 million investment by CDL in 2017 to establish a R&D partnership with the NUS School of Design and Environment. The 107m² laboratory is conceived as an adaptable indoor-outdoor research space that can be configured to test lifestyle scenarios, space-use configurations as well as cutting-edge or emerging technologies. Managed by the School's Department of Architecture, the laboratory will be used to study new ideas relating to research themes such as "healthy, green living" which explores the integration of passive and active building systems to achieve substantial reductions of carbon emissions, as well as "future lifestyles" which examines the adaptability of the Singapore home to ageing, safety and security, work-life balance, and social and cultural expectations.

CDL pledges support for BCA's Super Low Energy (SLE) Challenge



To support the global and national agenda on low carbon economy and best practices, CDL pledged our commitment to Building and Construction Authority (BCA)'s Super Low Energy (SLE) Challenge at the International Green Building Conference on 5 September 2018. CDL was one of 14 developers to pledge commitment to achieve at least one SLE project in the next five years. SLE status is achieved when buildings obtain at least 60% energy savings, based on the 2005 building code level, through cost-effective and energy efficient building designs and measures and onsite renewable energy. In recognition of this commitment, CDL's Group certificate from Mr Lawrence Wong, Minister

General Manager Mr Chia Ngiang Hong, was presented a certificate from Mr Lawrence Wong, Minister for National Development and Second Minister for Finance.

GIVING BACK TO THE COMMUNITY

In support of SDGs:



Inspiring young minds to make a difference



The kids had a wonderful time listening to stories read by Mr Heng Swee Keat, Minister for Finance and Professor Chou Loke Ming at CDL's My Tree House children's library.

CDL aims to inspire young minds to create a better future for the world through its support of some 600 Asian Scientist Junior books to about 100 primary schools across Singapore. Published by Wildtype Media Group, each book illustrates the life story of an outstanding scientist in Asia, such as Chinese palaeontologist Chang Meemann and Indian space scientist Udipi Rao. Professor Chou Loke Ming, who has made saving coral reefs his life's passion, is the only Singaporean scientist to be featured in the series.

The Asian Scientist Junior book series was launched at CDL's My Tree House, the world's first green library for kids. Opened in 2013 by CDL in partnership with the National Library

Board, a third of the books in My Tree House are green-themed, covering on animals, plants, nature, water, weather, the environment, recycling, and climate change.

Mr Heng Swee Keat, Minister for Finance and Chairman of the National Research Foundation Singapore was the Guest-of-Honour for the book launch at the library. Minister Heng read the story about Professor Chou Loke Ming to a large group of excited and attentive children, who readily answered his questions and peppered his storytelling with their comments and questions about marine life. After the book reading by Minister Heng, children and their parents in the audience were treated to a show-and-tell demonstration about the importance of saving Singapore's coral reefs by Professor Chou. In his speech to the children and parents at My Tree House, Minister Heng said: "Science, technology and innovation is where we have to invest to build Singapore's future. In this spirit, we must continue to inspire our children to be curious about science, understand its possibilities and make an impact using science."

For more information about the Asian Scientist Junior book series, refer [here](#).

CDL rallies internally to raise funds for Myanmar flood relief efforts



In July 2018, villages in Myanmar were left destitute when a heavy monsoon season descended upon them. According to news reports, more than 100,000 people were displaced and farmlands, which livelihoods depended on, had been submerged. Access to clean potable water is critical during such

emergencies as water sources and distribution systems are often polluted or damaged. Recognising this pressing need, CDL conducted a fundraising drive to purchase 3 water treatment systems from Aquayana, a social enterprise specialising in disaster relief efforts. CDL's Group of hotels – Copthorne King's Hotel Singapore, Grand Copthorne Waterfront Singapore, M Hotel Singapore and Orchard Hotel Singapore, responded to the appeal and generously donated lunch boxes and pastries that went to the fundraising sale. Donations were also received from CDL's subsidiaries – CBM, City Serviced Offices, Tower Club Singapore, Le Grove Serviced Apartments, Hong Leong Recreation Club, South Beach and Distrii.

Within a week, the fundraising target was exceeded and more than S\$36,000 was raised from the charity sale of lunches, pastries, recycled leather products and donations, after CDL's dollar-for-dollar matching. Following that, three water treatment systems were brought to Myanmar by Aquayana, to serve the water needs of the flood victims. The fundraising event exemplified CDL's care for the community and demonstrated how impact was amplified when everyone in the Group contributes.

For more information, refer [here](#).

GROOMING SUSTAINABILITY CHAMPIONS OF THE FUTURE

In support of SDGs:



SEC Finals Judging Session

The Sustainable Enterprise Challenge (SEC) is a local case challenge that is part of the Asian Business Case Competition (ABCC) organised by Business Solutions. This year, for the fifth year running, SEC 2018 challenged NTU participants to come up with possible synergies between a smart campus and an eco-campus, integrating green technologies with automation. This year's challenge attracted a sign-up of over 150 Nanyang Technological University (NTU) students from 38 teams.



Prior to the judging session, an educational visit to CDL's SSA was organised for the students to gain insights into CDL's firm commitments to sustainability and green buildings, facilitating the ideation and development of fresh and innovative solutions. CSO Esther An was also invited to join the judging panel for the SEC Finals presentations by the top three teams on 10 September 2018.



CDL-GCNS Young SDG Leaders Award

Jointly organised by CDL and GCNS, the CDL-GCNS Young SDG Leaders Award is an annual case competition that offers youths a platform to champion sustainable development since 2011.

Formerly known as the CDL-GCNS Young CSR Leaders Award, this year's Award aligns with the SDGs by focusing on SDG integration into business for positive change. The objective is to educate and empower young leaders with SDG knowledge and skills, while inspiring companies in Singapore to take action on the SDGs.

About 80 entries were received from universities, polytechnics, junior colleges and high schools. After an intense round of evaluation, 10 finalist teams were chosen. Their final task involved analysing their assigned case company's sustainability strategy and assessing how the company can better align its sustainability strategy with SDGs, which included coming up with innovative and sustainable products or services. At the final judging, the panel of judges was impressed with their professionalism and innovative ideas, reflecting their sound understanding of the SDGs and case companies' sustainability strategies. The winners were recognised at the GCNS Summit 2018 held on 19 November 2018.

ADVOCATING THOUGHT-LEADERSHIP, ADVANCING SUSTAINABILITY AGENDA

In support of SDGs:



The Singapore Sustainability Academy (SSA): One Year and Going Strong

On 5 June 2017, the SSA opened its doors for the first time. Within a year, the SSA hosted over 120 events and training programmes, 4,500 visitors, and established 140 partnerships with like-minded individuals and organisations from Singapore and beyond to advance action and awareness of sustainability and climate action.

In 2018, the SSA continues to serve as a major platform for businesses, the community and youth to gather in pursuit of a more sustainable Singapore and planet. It is proud to have hosted some 104 events, high-level meetings and workshops from Q1 to Q3 2018. Some key events are outlined below.

1. UN Environment SEA Youth Environmental Network (SEAYEN) Forum, 6-7 July



The UN Environment Southeast Asian Youth Environmental Network (SEAYEN) Regional Meeting is a gathering of selected youth representatives from 10 Association of Southeast Asian Nations (ASEAN) member nations. It is held every two years to gather prominent youth environmentalists from ASEAN to report on their countries' environmental status and the activities done by young people in their home countries. As the ASEAN Chair for 2018, Singapore was privileged to host this year's Regional Meeting at the SSA. This ties in with Singapore's Year of Climate Action in 2018. The event was organised by the National Youth

Achievement Award (NYAA) of Singapore, in collaboration with UN Environment. At the Forum held in the SSA over two days, talks from sustainability experts from Singapore and capacity-building sessions equipped some 30 youth leaders with knowledge and skills to enhance environmental actions back in their home country. They were encouraged to 'work local, think global' in implementing solutions, new ideas and best practices from other countries.

2. LepakInSG Public Action's discussion about the Sustainable Singapore Blueprint, 11 July



Environmental community group representatives were invited for a focus group discussion on the Sustainable Singapore Blueprint (SSB), a roadmap for Singapore's national sustainability plan published by the Ministry of Environment and Water Resources (MEWR). The discussion aimed to collate opinions and feedback from the ground about the plans laid out in the SSB, to be sent to the relevant government agencies for the next review of the SSB.



3. LepakInSG's "Sea our Shores" Blue Nudge Workshop, 20 July

Small nudges make a difference for climate action too. For LepakInSG's 7th "Sea Our Shores" Blue Nudge Workshop, they brought together a small group of 15 marine activists and community players to discuss the mounting marine trash problem in Singapore.

The workshop aimed to raise awareness about current efforts taken by the government and civil society groups. The attendees were also informed about how they can stay involved and provide their feedback to the various groups involved.

4. CDL 5-Star EHS Seminar, 25 July



Into its 69th run, CDL's 5-Star Environmental, Health and Safety (EHS) seminar promoted the importance of EHS among CDL's building industry partners including architects, engineers, quantity surveyors and contractors. Speakers from the Workplace Safety and Health Council and Ssangyong Engineering & Construction (E&C) were invited to present on topics such as prevention of mosquito breeding and work safety at height, to an audience size of about 100. Results of the CDL 5-Star EHS Audit Assessment for ongoing projects in the second quarter of 2018 were also announced at the seminar to recognise exemplary EHS performance by the builders.

5. Visit from Ramaiah Institute of Technology School of Architecture students, 27 July



30 students and three professors from the Ramaiah Institute of Technology in Bengaluru, India visited the SSA during a study trip to Singapore. Hailing from the private college's School of Architecture, these fourth-year students were studying architectural designs for urban spaces.

During the visit, CSO Esther An gave an overview of the SSA's programmes and core focus of promoting sustainable development. Senior Project Manager Alfred Ng, who led the development and construction of the SSA, then spoke

to the students about the architectural design and building process, from the sourcing of the SSA's sustainable timber as verified by the Nature's Barcode system, to its creatively designed roof that keeps out the heat while allowing rainwater to be funnelled off for collection. The students were inspired by the SSA's holistic approach to promoting sustainability, and were keen to learn about how the Academy, as a sustainability space in an urban setting, was transformed from a sky park into a green building.

6. National Youth Council's Youth Conversations on Zero Waste, 28 July



The National Youth Council (NYC)'s Youth Conversations is a platform for youths to voice their opinions, connect with their peers from all walks of life, and come up with ideas for change on a range of environmental and social topics of interest to Singapore. It also gives them the opportunity to propose innovative ideas and experiment with solutions with support from the NYC.

This event focusing on Zero Waste aimed to engage youths to discuss and share perspectives on the topic of waste generation and reduction across a range of topics like sustainable fashion,

food waste, e-waste and others. They aimed to spur youths to greater individual and collaborative actions, hopefully leading up to more systemic change. Exploring the questions of ‘Where are we?’ ‘Where do we want to go?’ and ‘How can we lead us there?’ around Singapore’s waste issues, some 60 youth participants were able to surface their concerns on various waste-related topics and discuss their ideas for action to realise their zero-waste goals. Participants at this Youth Conversation also gained greater awareness about civil society initiatives like Straw-Free Singapore and initiatives taken by responsible corporate citizens like CDL to reduce waste and increase recycling.

7. Young Sustainable Impact SEA’s Singapore Sustainability Conference and Showcase, 29 July



The event started with the Young Sustainable Impact Southeast Asia (YSI SEA) Sustainability Conference, which brought together 55 investors and guests, representing 24 different organisations. During the product pitching session, the regional finalists were grouped into six start-ups. Their aim was to come up with innovative sustainability solutions and pitch for funding to the floor of investors, consisting of venture capitalists, impact investors and other investors. It was truly a moment of euphoria as

all six teams successfully secured funding or development support from the investors.

The event progressed to the Singapore Sustainability Showcase, which was held as a grand culmination of the 14-week Innovation Programme. The opening was graced by Mr Desmond Lee, Minister for Social and Family Development and Second Minister for National Development. The theme “Rethinking Innovation” shifted the participants’ focus on real-life problems in the sustainability ecosystem. YSI SEA’s presentation prompted the audience to rethink about sustainable innovation and getting to the heart of problems. The audience were also inspired by the presentations by the booth partners that shared about how social-sustainable enterprises function and the passion that drives them. SSA was honoured to have hosted the 500 like-minded individuals, impact investors such as the Temasek Foundation and Tembusu Foundation as well as guests, who were passionate about driving sustainability solutions to the market.

8. Accommodate’s Climate Change Dialogue for Youths, 12 August



As a means of understanding climate change’s impact on Singapore’s urban planning and redevelopment, 48 participants played a land-use simulation game that was designed to focus on climate change. Participants stepped into the shoes of policy-makers and built a Singapore that they envisioned, while considering the land constraints and priorities of the country. Through the process, participants explored the relationship between economic and population growth, climate change and urbanisation.

With deeper understanding of climate change’s impact on Singapore and the desire to fight climate change, the participants collectively took the [Climate Action Pledge](#) by Ministry of the Environment and Water Resources (MEWR) and committed to be more climate-friendly in their daily lives. Later in the session, four speakers from the People, Private, Public sectors spoke about actions that could be done to combat climate change.

Chua Ying Xuan and Sammie Ng, co-founders of Accommodate, said: “The thoughtful layout of the SSA makes a particularly brilliant location for public engagement events. The space itself being sustainable in terms of its building material and carbon neutrality is also extremely inspiring and heartwarming to us

organisers and participants who are passionate about sustainability, making it a perfect place for fulfilling SDG 17, which is Partnership for the Goals.”

9. NTU Sustainable Enterprise Challenge (SEC) - Visit to SSA, 30 August



As part of CDL’s commitment to youth development and sustainable urban solutions, CDL hosted participants of the SEC2018 at the SSA. SEC is a local case challenge which aimed to seek solutions and recommendations from the NTU student community to enhance the sustainability of the NTU campus. Attended by close to 25 students from diverse faculties, the visit and a sharing by CSO enabled students to gain a deeper understanding about CDL’s efforts towards sustainable development in an urban landscape. This played an integral role in sparking ideation on sustainable solutions for green campuses and eco-buildings among the SEC participants.

10. Climate Conversations, Facilitator Training Workshop, 1 September



Many people are concerned about climate change but do not feel that they know enough to act. To bridge this gap, Climate Conversations, a non-profit volunteer organisation, held a workshop under its facilitator training series at the SSA, to equip participants with the skills to become change agents for climate change. One of the trainers at Climate Conversations who conducted the facilitator workshop is Ms Kei Franklin. Ms Franklin is an outreach manager and course architect at Skillseed, where she crafts and curates socially-impactful experiential learning journeys for youths.

She is also an editor and writer for Brack magazine, a platform for socially engaged artists in Southeast Asia. Ms Franklin shared that facilitation is a powerful way to contribute to social change. Creating space for conversation can be a powerful first step that contributes to the climate movement.

11. GCNS Youth Seminar on the Arctic, 1 September

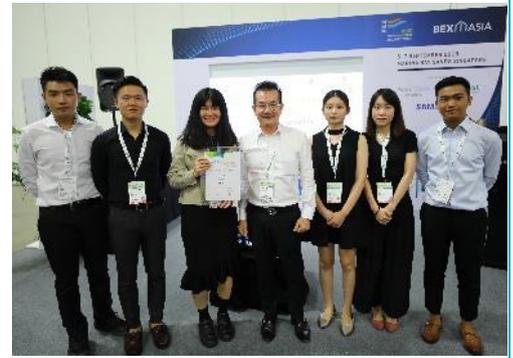


To most people in Singapore, the Arctic is perceived as an inhospitable, far-flung location with sweeping tundra, glaciers and ice caps. As for the 100 attendees who were at the seminar on “What A Changing Arctic Means For Singapore”, they became aware why Singapore should be more concerned about the effects of climate changes in this region more than 7,000 km away from our country.

As the Arctic region opens up and integrates deeper with the global economy, its impact on Singapore will come in many ways. This seminar for youths was organised by Energy Studies Institute, GCNS and supported by the Ministry of Foreign Affairs (MFA). The Guest-of-Honour was Minister of State, Ministry of Foreign Affairs & Ministry of Social and Family Development Mr Sam Tan Chin Siong, who shared about his experiences at the Arctic in his closing remarks.

12. BCA-CDL Green Sparks 2017/2018 Finals, 3 September

The BCA-CDL Green Sparks Competition is a nation-wide biennial green building competition and a public-private initiative by the BCA and CDL. Into its fourth edition, the competition received over 30 entries this year. The tertiary students conceptualised innovative green solutions to make Bukit View Secondary School positive energy or zero energy. The finals for the competition was held at the SSA, where each team showcased their proposals to the judges. The winning entries of the BCA-CDL Green Sparks Competition 2017/2018 were recognised and subsequently exhibited later in the same month at the BCA Pavilion during BEX Asia 2018.



13. Nature Society Singapore, Birding in Singapore With Your Eyes Closed, 6 September



The large community of birders in Singapore showed the strength of their numbers during their talk on 6 September 2018 at the SSA. Organised by the Nature Society (Singapore), the 150-strong audience were entranced by the talk led by Dr Yeo Seng Beng, a veteran in birding. He shared about the popularity of birding in Singapore and pointed out how bird

sounds and calls are an integral part of the birding experience. The audience were taught how to identify bird species based on their calls. In addition, they learnt about the mechanics (equipment used and basic analysis) of bird sound recording and its use in bird conservation. At the end of the talk, the audience left with a deeper appreciation of avian biodiversity and the role they can play in the conservation of bird life.

14. International students visit SSA, 10 September



The NTU Asian Business Case Competition (ABCC) is an annual case challenge centred on business and sustainability, organised by the Nanyang Business School. As part of the competition, some 70 international university students visited the SSA for its green building features. They learnt first-hand from CSO about CDL's sustainability strategy and green building innovation. The knowledge acquired from the visit helped to spark ideation among the participants in developing their case submission for the competition.

15. LepakInSG's Sea Our Shores – Marine ID workshop, 16 September



As an island-country, Singapore is blessed with seagrass lagoons, coral reefs, rocky shores and mudflats which are home to a multitude of marine species. To enhance the public's knowledge of these marine species, LepakInSG held a workshop at the SSA for 42 participants. Nature enthusiast Ms Ria Tan from WildSingapore also shared expert tips on how to identify tricky-to-spot marine species. Through the event, these members of the public learnt how to identify marine creatures seen on Singapore's shores and got acquainted with reliable online marine-identification databases.

16. WWF Regional Meeting and WWF Sustainable Finance Workshop, 17 – 21 September



The Asian Finance Practice community gathered in Singapore at the SSA in mid-September 2018 for its regional meeting. Hosted by WWF Singapore, the meeting was attended by over 50 participants from 11 countries to discuss and share information on implementation of the Finance Practice Strategy and the Areas of Collective Action and Innovation (ACAIs).

The meeting also benefited from the active participation of regional experts from UNEP FI, ABN AMRO Bank, Ernst & Young, Moody's and the Stock Exchange of Singapore on its first two days, as well as other speakers who touched on Climate and Energy, Forests, Food, Governance and Wildlife Practice, Public Sector Partnerships and Communications.

The meeting was an excellent opportunity to share the work being done on sustainable finance around the region and to share information with regional focal points on latest happenings in the Finance Practice within ACAI communities. The SSA subsequently hosted another 20 people to delve into WWF's Sustainable Finance in ASEAN. A workshop was held to discuss upcoming projects for the next three years and the discussions involved strategic planning, deliverables and execution of activities for the different offices under WWF.

17. Temasek Ecosperity, Futures-Thinking Workshop, 22 September

With the increasing number of environmental sustainability initiatives facing everyone these days, how do people even begin to respond to buzzwords like 'sustainability' and 'liveability'? How do we start thinking about new possibilities?

To address these questions, Temasek Foundation Ecosperity organised the 'Envisioning a Liveable Singapore' workshop for students from the NUS. The focus group discussion was facilitated by Young Sustainable Impact Southeast Asia (YSI SEA) and saw the NUS students brainstorming vision statements and new ideas for sustainability in both visual and textual forms. The event provided an avenue for the 30 participants to forge collaborations for sustainability leadership within their volunteer communities. Participants also had the opportunity to hear more about the work of Temasek Foundation Ecosperity and YSI SEA in the sustainability innovation sector, and how they catalysed the development of innovative and transformational solutions. To walk the talk on sustainability, the students even brought along their own reusable cutlery and containers for the event's lunch reception.



18. Wildtype Media Group, The Big Problem of Microplastics, 27 September



Scientists predict that there will be more plastic than fish in the ocean by 2050. Up to 30% of plastic released into oceans each year could be microplastics, entering into the human food chain through seafood consumption. The potential detrimental effects of microplastic pollution require urgent action.

At the talk held on 27 September 2018 titled "The Big Problem of Microplastics", giant clam researcher, Dr Neo Mei Lin and Singapore's leading coral reef expert, Professor Chou Loke Ming shared interesting findings about the impact of microplastics on the ocean and marine life to over 100 conservation enthusiasts.

Extensive Thought-leadership to Promote Best Practices in Sustainability

In support of SDGs:



As an early adopter of sustainability and pioneer in green building and green bonds in Singapore, CSO Esther An was invited to share CDL's integrated strategy at various high-level conferences and summits in Q3 2018.



Here is a quick review of some of the sustainability-focused speaking engagements that took place in the past quarter:

9 July | Green Growth & Business Forum 2018

Held in conjunction with the World Cities Summit, CleanEnviro Summit Singapore and Singapore International Water Week, this forum brought together forward-thinking businesses, researchers and government agencies to enhance collaboration in a low carbon space.

11 July | CleanEnviro Summit Singapore

At this biennial summit organised by the National Environment Agency, CDL shared insights on the topic, "Nudging Forward with Behavioural Science: Creative Ways to Solve Environmental Challenges".

12 July | Asia-Pacific Week Climate Week

At this forum organised by the Asian Development Bank, World Bank Group and United Nations Environment Programme (UNEP) DTU Partnership, CDL shared about "Data to Drive Climate Action and Energy Transitions in Cities".

23 August | HSBC Sustainable Finance Forum

Organised by the Hongkong and Shanghai Banking Corporation (HSBC), this forum covered topics such as opportunities in Southeast Asia's low-carbon economy and insights on managing carbon transition. CDL spoke during the panel discussion on "How Disclosures Can Influence Investors", joined by finance experts from HSBC and BlackRock.

28 August | ASEAN Responsible Business Forum

During the panel discussion for this regional platform attended by government officials, civil organisations and enterprises, CDL shared with the audience how green business practices can lead to a more resilient ASEAN.

29 August | Bloomberg Event: Expansion of Green Financing

Attended by finance practitioners, corporate and media representatives in the region, CDL's experience-sharing about the issuance process for green bonds and how it complemented the company's sustainability strategy and commitment was well-received.

5 September | International Green Building Conference (IGBC 2018)

IGBC was the anchor event held in conjunction with the 10th Singapore Green Building Week. At the track titled “Is Green Financing a Fad?”, Esther shared how sustainability has been integrated into its business, its green bond issuance experience and how green financing has opened up alternative streams of financing for the company. The co-panelists were from Swire Properties, ING Bank and DBS Bank.

12 September | Women’s Forum for the Economy and Society

Held for the first time in Singapore, the opening for this ASEAN-focused forum was graced by Mdm Halimah Yacob, President of the Republic of Singapore. Headquartered in Paris, the Women’s Forum upholds women leaders’ distinctive capacity to create positive impact on their employees, communities and societies.

During the panel discussion that touched on how ASEAN companies can take the lead in addressing climate action and the role of women’s leadership in addressing sustainability challenges ahead of peers, CDL spoke about the pressing issues of climate action to the 680-strong audience.

18 September | CSR Asia Sustainability Reporting Summit

At this annual conference organised in Hong Kong by CSR Asia, Esther addressed the issue of climate resilience during the breakout session, moderated by Dr Richard Welford, Chairman of CSR Asia. CDL was joined by representatives from Carbon Disclosure Project, Swiss Re and Interface.

SUSTAINABILITY INSIGHTS FROM GLOBAL EXPERT



As part of CDL’s continued thought-leadership and advocacy efforts, we have been featuring sustainability insights from experts on our dedicated sustainability microsite: www.cdlsustainability.com. This issue features the speech made by Mr António Guterres, UN Secretary-General, during his major address on climate change on 10 September 2018.

In his [remarks on climate change](#), Mr António Guterres sounded the alarm on the urgency and impacts of climate change and the severe global costs of not addressing it. He ended his speech with a warning that immediate action needs to be taken before time runs out for mankind and life on earth.

Mr António Guterres was elected as the ninth Secretary-General of the United Nations in 1 January 2017. Prior to his appointment as Secretary-General, he served as the United Nations High Commissioner for Refugees (UNHCR), heading one of the world’s foremost humanitarian organisations during some of the most serious displacement crises in decades. Before joining UNHCR, he served as the Prime Minister of Portugal from 1995 to 2002.

ADVISOR | Sherman Kwek

EDITOR | Esther An

EDITORIAL TEAM | Doris Ho, Tracy Yeow, Hong Sze Yunn, Diane Albeper, Rena Tan, Jen Ong, Rachel See

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