

SUSTAINABILITY QUARTERLY NEWSLETTER

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PLANTING 400 MANGROVE TREES WORLD ENVIRONMENT DAY 2020



To commemorate World Environment Day on 5th June, Chiva-Som launched the next phase of the Krailart Niwate Mangrove Preservation Project to expand the reconstructed wetland area by 50% on an adjacent, barren floodplain.

Over 50 members of the Chiva-Som Family gathered in the morning sun and began 'building the forest' with the planting of 400 seedlings indigenous to the region to transform and create another thriving ecosystem in the city. The undertaking is going to continue throughout the year by completely reforesting the new mangrove area with a total of 5,000 trees of various mangrove species to expand the biodiversity of plants which in turn attract and provide the habitat for numerous species of wildlife including fish, crustaceans, birds and reptiles.

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CHAIRMAN'S MESSAGE



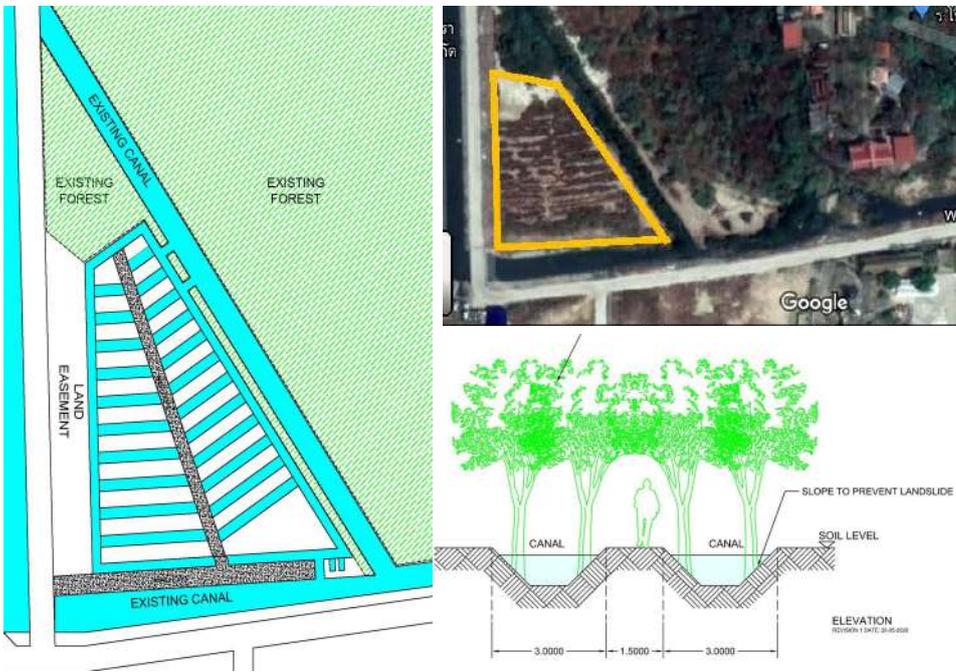
Since its foundation, Chiva-Som has been dedicated to operating at the world's highest environmental, ethical and sustainability standards at all levels of operation. Our pioneering and considered approach to Sustainability has gained Chiva-Som the reputation as a respected authority on environmental preservation practices within the travel and tourism industry worldwide.

Our Sustainability initiatives are guided by the Quadruple Bottom Line of Corporate Social Responsibility; Stakeholder Wellness, Environmental Preservation,

Socio-cultural Development and Economic Sustainability.

I am delighted to launch this Sustainability Newsletter as a part of our journey, and I look forward to ongoing innovations and planet-loving policies being trialed and implemented throughout the resort operation.

Krip Rojanastien, Chairman & CEO



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The expansion of the mangrove forest area is located on six rai of land west of the Buddhist temple, Wat Khao Krailart. An integrated network of 26 canals were built to provide a constant supply of water from the existing canal that leads to the Gulf of Thailand.

The *rhizophora mucronata* trees are planted in sloped, muddy soil during low tide to ensure access to moisture throughout the year. A variety of other mangrove species are to be planted at higher tide levels to develop the biodiversity of plant species in the new forest.

CELEBRATING WORLD ENVIRONMENT DAY

Krailart Niwate Mangrove Ecosystem Preservation Project, the last remaining mangrove ecosystem in Hua Hin, is a reconstructed wetland project and an urban nature reserve in the centre of the city raising awareness on the importance of mangrove ecosystems while promoting eco-spiritual tourism in the region.

Expanding the scope of Krailart Niwate, the planting started with 200 trees on 4th June and another 200 on 5th June at the new project site.

“A clean environment and healthy life go hand-in-hand. Diverse and rich ecosystems are key components of a sustainable environment. The new expansion of our mangrove ecosystem preservation project highlights and demonstrates our commitment to ensure environmental well-being, biodiversity preservation, combating climate change and encouraging others by setting an example of a sustainable business approach. We are delighted to contribute to the global Blue Carbon Initiative by enhancing the mangrove ecosystems to combat climate change at a greater level.” said Dilshan David, Corporate Director of Sustainability and Compliance of Chiva-Som.





Brian Anderson, Chiva-Som's Head of Sustainability has been directing the development and reforestation of Krailart Niwate since the project's beginning in 2007. The Chiva-Som family with local stakeholder groups have planted over 5,000 trees in the mangrove ecosystem over the years to create the luxuriant forest and protected wildlife habitat that it is today.



Mr. Vaipanya Kongkwanyuen, the General Manager of Chiva-Som (in the middle of the picture) joining the event handing over mangrove seedlings.

WORLD ENVIRONMENT DAY (WED) 2020

This year's WED is dedicated to **biodiversity**. At present, the biodiversity, also known as biological diversity, of our planet Earth is facing numerous challenges due to deforestation, pollution and climate change-related events such as storms and wildfires. From 2019 to early 2020, millions of hectares of forest in Australia, the United States and Brazil were destroyed by wildfires and about one billion animal deaths were estimated in Australia alone.

Biodiversity has equal importance for the functions of the planet itself with more benefits to humanity. From the air we breathe, the food we eat, the water we drink, and the majority of the medicine we take, to all the raw materials consumed by industries, are influenced by biodiversity. Biodiversity has always played a significant role in the variety of ecosystem services that are freely available for us to use.

Every living organism including the macro-world and micro-world, fauna, flora, microorganisms and humans - all are part of the biological resources of our world. It is estimated that there are approximately 8.7 million species of different plants and animals on our planet Earth. Of those, around 1.2 million species have been identified and listed. There are many species that had become extinct before they were identified, and new species are always emerging due to the continuous

process of evolution. This shows the extent of diversity of the biological component of the world in which we live.

With the spread of COVID-19, the pandemic has shown many drastic changes in the environment related to biodiversity. Some of the species in water and on land are returning in greater numbers to their original territories. Due to the lockdown periods to contain the pandemic, cities are being reinhabited by wild animals. The eggs of birds have been photographed on the wheels of grounded aircraft and more wild animals have been seen roaming freely in the national parks and protected areas. COVID-19 itself is a result of the poorly managed human activities that affect the biological world.

Extinction of species is one of the greatest threats to the biological resources at present putting the Earth's splendid variety of life at risk. The bottle of palm oil we use, some of the clothing and shoes we wear, the jewellery that is so precious to us, a cup of tea or coffee we drink, some of the medicine we take, the massive amount of plastic disposed into our oceans and the ever-increasing global warming due to our daily activities, are all creating threats to the biological diversity of our planet.

Let us see the beauty and importance of biodiversity. Let us take some time to enjoy nature, and to be united with nature rather than separated. Let us do our part today to ensure the well-being of our environment and biodiversity for future generations to thrive and prosper.





EARTH DAY 2020 - CLIMATE ACTION

The annual Earth Day took place on 22nd April with the theme of 'Climate Action', which is the greatest challenge for all of us. Since the Paris Agreement on climate change in 2015, almost five years have passed and the target of limiting the global temperature increase below 1.5°C has not shown any positive outcome. It is also worth mentioning that this year 2020 was the 50th anniversary of Earth Day.

In the 2015 Paris Agreement, the participating countries of the United Nations Framework Convention on Climate Change (UNFCCC) agreed to a common target; to hold the rise in global average temperature "well below 2 degrees Celsius above pre-industrial levels and to pursue efforts to limit the temperature increase even further to 1.5 degrees Celsius."

Year after year the energy demand for all sectors is increasing and this rising demand is fulfilled by conventional energy sources which are mostly derived from non-renewable fossil fuels. While there is considerable growth in the renewable energy sector, its implementation is much slower than the ever-increasing demand.

We have seen that climate change has impacted many areas of the social, environmental and economic sectors. From rising energy costs, more frequent, extreme weather events, and massive threats to the world's food production, to the fastest recorded melting of glaciers are creating a threat to human life as well as all the living organisms on our planet Earth.

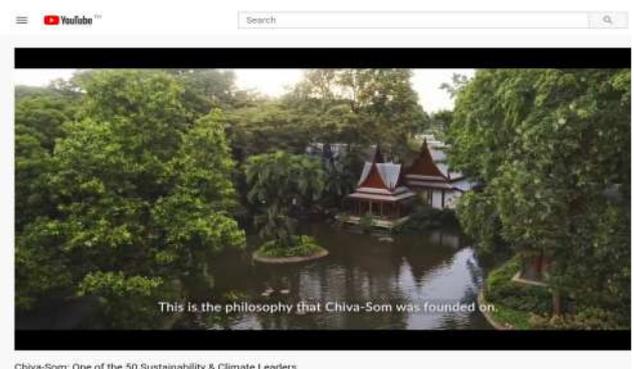
This year's Earth Day reminds us of the urgent need for our collective effort, commitment and action to reduce the ever-growing energy demand and dependency on fossil fuel-based economies - both producers and consumers. As individuals of our planet's human population, we all have the responsibility to do our best

to limit global warming by minimising our energy and natural resource consumption, producing less waste and even growing our own food at home.

Together with the global community committed to Sustainability and a safe environment for the present as well as our future generations, the Chiva-Som family would like to emphasise the importance of action against climate change and we welcome all of you to join with us by practicing simple actions that will help lead us to a healthier environment in the future without further delays.

Chiva-Som was recently selected as one of the 50 Sustainability & Climate Leaders for 2020. A prominent sustainability and climate action promotion driven by Bloomberg L.P., the project features 50 leading organisations from the international business community that demonstrate the leadership and the will to take effective action in the fight against climate change. The official video launched by Bloomberg L.P can be viewed using the following link.

<https://www.youtube.com/watch?v=agyqbmD9WiU>



CORPORATE SOCIAL RESPONSIBILITY NEWS - PRESERVE HUA HIN GROUP



พิทักษ์หัวหิน
PRESERVE HUA HIN

To help address the issues of the rapidly growing population’s increasingly demanding ecological footprint on the municipality, the Preserve Hua Hin Group was formed as a community development organisation in 2004.

Mr. Boonchu Rojanastien, the founder of Chiva-Som and honorary chairman of Preserve Hua Hin Group with Mr. Krip Rojanastien the Chairman & CEO of Chiva-Som and Chairman of Preserve Hua Hin Group enlisted support from private and public sector organisations to spearhead the development of Preserve Hua Hin Group and organise activities to promote environmental awareness and preservation, and increase social interaction in the community. Preserve Hua Hin Group is under the Royal patronage of Her Royal Highness Princess Maha Chakri Sirindhorn.

Since its inception, Preserve Hua Hin Group has regularly organised annual marathons, reforestation projects, beach clean-ups, Junior Ambassador Mangrove Ecosystem Study Camps and other activities for social welfare and community improvement.

PRESERVE HUA HIN DONATIONS FOR COMMUNITY WELLNESS



30th March: Preserve Hua Hin Group donated THB 100,000 to the Hua Hin Municipality to help support the local government’s preparedness and protection against the COVID-19 pandemic. The donation was presented to Hua Hin’s Mayor Mr. Nopporn Wutthikul by Chiva-Som’s Mr. Surapol Rukkusol, Mr. Tawat Khunchart and Mr. Chonchalerm Pumjalern.

30th April: To help support the Hua Hin Hospital’s medical staff protection against the COVID-19 virus, Preserve Hua Hin provided THB 54,430 worth of personal protective equipment including body suits, face masks, rubber gloves and disinfecting alcohol gel to the director of the hospital, Dr. Niran Chantakul. The donation was presented by Mr. Krip Rojanastien, the Chairman and CEO of Chiva-Som and Preserve Hua Hin Group.



2nd June: In Preserve Hua Hin’s ongoing effort to support those in need during the COVID-19 pandemic, an additional THB 50,000 was donated to the Hua Hin Municipality to help them purchase personal protection items for use by the government employees. Special thanks go to Mr. Surapol Rukkusol, Mr. Win Rojanastien and Mr. Chonchalerm Pumjalern.in on behalf of Chiva-Som.

CHIVA-SOM ORGANIC GARDENS RECEIVE ACT ORGANIC STANDARDS CERTIFICATION

Over the last 25 years, our farming staff have been producing organically-grown vegetables, fruits and herbs used by our culinary artists to create delicious and healthful dishes for our guests and staff. They have also been propagating the diverse array of orchids, flowers and other decorative plants that have adorned the resort grounds since the beginning.

Now, we are proud to announce that both of our Organic Farms received Organic Agriculture Certification in accordance with Agriculture Certification Thailand (ACT) Organic Standards on 4th June, under the scope of nearly 80 products.

ACT Organic Standards and the certification process are accredited by the International Federation of Organic Agriculture Movements (IFOAM) that is headquartered in Bonn, Germany.

Special thanks go to our Farm Manager Mr. Sommai Boonya and his team to have achieved this important certification proving that the produce grown meets the stringent guidelines for organic agriculture.

Mr. Sommai stated, “Achieving the certification was certainly a challenge, but luckily very few modifications were required to conform to the organic standards.”



ORGANIC FARMING NEWS - NEW VEGETABLE BEDS AT THE PALA-U ORGANIC FARM



Several developments and additions are planned for our organic farms to enhance the productivity and capacity targeting greater production of fresh produce for our resort kitchens.

Recently our organic farmers completed the renovation of the 22 growing beds at our farm in the Pala-U region. The walls of the beds were raised to accommodate more nutrient-rich soil to enhance the root growth of the plants and increase the yield.

Another piece of land adjacent to our farm at Pala-U has been prepared to construct another large greenhouse as well as an orchard for a variety of fruit trees.



FARM TO TABLE

CHIVA-SOM GARDEN SALAD



Leafy, green vegetables are always a good choice for a healthful diet, and combined with good fatty acid oil from a blend of seeds and a probiotic berry dressing, the Chiva-Som Garden Salad is a delicious dish to aid your digestion.

Naturally low in calories and sodium, this salad is made fresh to order by our culinary artists using organic produce from our certified organic farms. Now you too, can make this healthy choice at home.

Method :

- ◆ Arrange all the salad leaves, tomato, carrot and red radish in a bowl.
- ◆ Put all the ingredients for the mixed berry dressing into a blender and blend until smooth.
- ◆ Top the salad leaves with the dressing and mixed seeds.

INGREDIENTS - Salad

15	g	Lettuce
5	g	Baby spinach
8	g	Wild rocket
10	g	Rocket
25	g	Cherry tomato, cut in half
5	g	Carrot, thinly sliced
5	g	Red radish, thinly sliced

INGREDIENTS - Mixed Seeds

0.5	g	White sesame, crushed
0.5	g	Black sesame crushed
0.5	g	Flax seed, crushed
0.5	g	Chia seed, crushed
4	g	Sunflower seed
2	g	Pumpkin seed

INGREDIENTS - Mixed Berry Dressing

60	ml	Olive oil
3	tbsp	Apple cider vinegar
2	tbsp	Kombucha
2	tbsp	Coconut nectar
25	g	Strawberry
25	g	Blueberry
25	g	Raspberry

MANGROVE CLEAN-UP

The Chiva-Som Family joined together for the monthly rubbish clean-up at the Krailart Niwate mangrove forest on 21st May to remove any items littering the ecosystem.

An assortment of discarded plastic, glass, paper and metal items are regularly picked up to maintain a pristine environment and reduce the chance of any wildlife being harmed by the waste materials polluting their habitat. In total, **46 kilograms** of rubbish were collected in the sunny afternoon.



GLOBAL WELLNESS DAY 2020

For the 6th consecutive year, the Chiva-Som Wellness Team and Preserve Hua Hin celebrated the annual Global Wellness Day on 28th May. Led by the GWD Thailand Key Supporter Ms. Pilailuk Thongtan, our Holistic Health Manager, the day entailed another visit to the Karon villagers community, a disadvantaged group of 300 residents in the mountainous region of Pala-U, Thailand along the border with Myanmar. Necessary daily items such as dry food, rice, alcohol sanitiser gel, facemasks, clothing and medicine were received by the villagers and the sub-district medical practitioner Mr. Panya Budsarakum on the day. The products were purchased from personal donations by our warm-hearted staff totaling THB 15,000.

Concurrently, our resident Naturopath & Nutritionist Ms. Renee Grandi discussed ‘How Stress Affects Women’s Hormones’ to the audience of the GWD 24-hour livestream, online platform. Our Assistant Food & Beverage Manager Ms. Lalita Thongchuay explained in detail how to make Immune Aid juice to boost your immunity and build and cleanse your blood using fresh carrot, beetroot, green apple and ginger.

The longstanding motto of GWD is ‘One day can change your whole life!’ with focus on immunity, indoor exercise, mental health, nutrition, stress, and love and compassion.



Sustainability Newsletter is a joint publication of the Sustainability Department and Sustainability Committee of Chiva-Som.

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