

soneva sustainability report
2013-14



SONEVA

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The Soneva Group is an operator of luxury resorts, residences and spas. Soneva is comprised of Soneva Fushi in the Maldives and Soneva Kiri in Thailand.

Our remote but accessible locations provide a combination of luxury, environmentally friendly design and authentic Maldivian and Thai experiences. We aim to provide a blueprint for barefoot luxury and to inspire an ethos of sustainability amongst both our guests and our hosts.

www.soneva.com

sustainability awards

Wild Asia

Winner of 'Most Inspiring Responsible Tourism Accommodation Provider' Award – Soneva Resorts

IE Awards for Sustainability in the Premium & Luxury Sectors

Soneva wins IE Sustainable Luxury Award 2014 in recognition for its sustainability work in the luxury and premium sector of the hospitality industry.

Maldives Travel Awards 2013

Leading Eco Resort – Soneva Fushi Resort, Maldives



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chairman's statement



I am a strong believer that tourism can have a positive impact on the environment and social development. Without tourism, many wildlife reserves in Africa would be mines or farms. Many national parks have been created as a result of the tourism industry. We are proud that Soneva Fushi is part of what is now the Baa Atoll UNESCO Biosphere Reserve.

At the same time, our industry is hugely extractive. We take far more than our fair share of the world's resources. We have a moral and business obligation to reduce our impact and increase our potential for good. As an industry, this involves a deep and often uncomfortable analysis of everything we do.

At Soneva, we strive to provide the inspiration to go one step further for our fragile planet through everything we do. Our core purpose of SLOW LIFE – sustainable, local, organic, wellness, learning, inspiring, fun, experiences – is the moral compass that guides us, whether we are aiming to inspire a guest, an employee, a business partner, a member of our local community or the president of a country. If we are not living our core purpose, we cannot hope to inspire others.

Intelligent Luxury is our vehicle for delivering this inspiration to our guests. By sharing our passion for the natural world in subtle, respectful and innovative ways, our guests experience a unique perspective on luxury, one that delivers space, privacy, comfort and beauty in total harmony with the pristine location in which they are staying. By avoiding the usual clichés of luxury and instead focusing on what is rare and precious, our guests leave with a sense of wonder that stays with them long after they return home.

At the heart of our operational mission is our ultimate goal to be decarbonising. In simple terms, this means taking measures to absorb more carbon dioxide than we release as a result of our business. It informs everything we do.

This report details our efforts across our operations to make significant reductions to our resort emissions. It also details how we mitigate what we cannot control, such as guest air travel. For this express purpose, we have set up the SLOW LIFE Foundation to develop environmental projects that reduce carbon emissions at the same time as addressing deeper social and environmental challenges.

We also want to inspire beyond our own industry. In 2008 we founded the SLOW LIFE Symposium which annually convenes some of the world's greatest minds to collaborate on environmental solutions of global impact.

At the same time, we recognise that the next generation of environmental stewards are as likely to be found in the remotest corners of the world as in the most cosmopolitan of cities. They just need to be nurtured and encouraged. To that end, we run a Learn To Swim programme with our local communities that teaches a potentially life-saving skill to children who live on the ocean's edge while also inspiring a love of the ocean.

Thank you for taking the time to read this report.

Sonu Shivdasani
Chairman and CEO, Soneva Group
Founder, SLOW LIFE Foundation

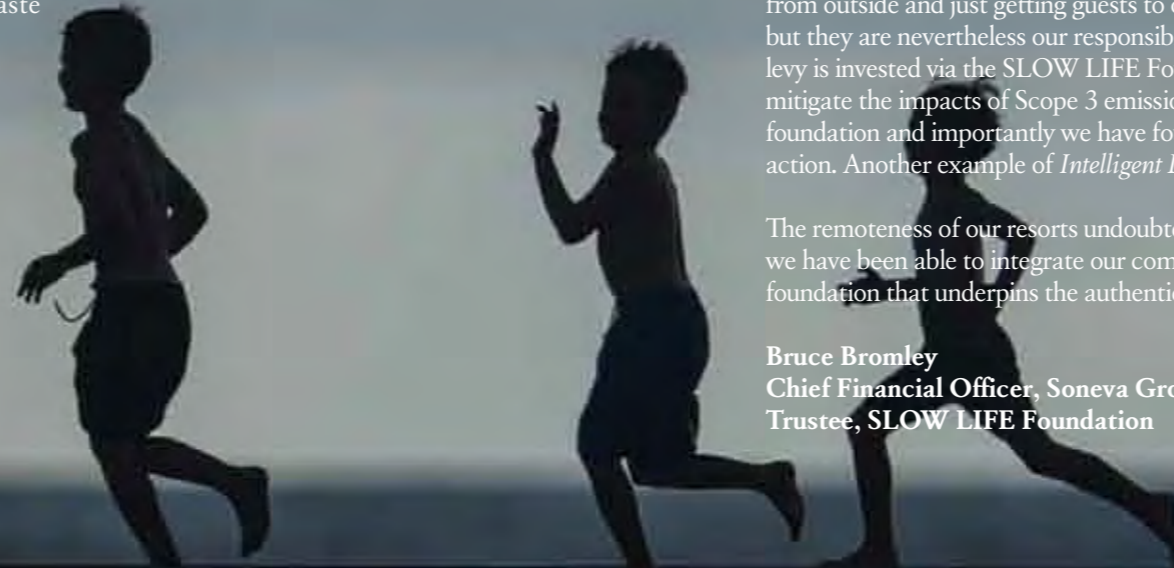
cfo's statement



Soneva resorts are defined by being 'remote but accessible'. Such remoteness brings with it operational and environmental challenges which we must manage to ensure that we protect the unspoilt nature of our surroundings. The pages of this report touch upon the challenges we face and the actions we are taking to ensure that we minimise the negative impact of our resorts on their local environment.

The costs of operating in remote locations can be high. Being remote means lacking access to municipal water, electricity and sewerage services and these need to be provided in situ in a cost effective manner. Managing solid and biological waste is equally challenging and one takes for granted such waste management facilities until they are not on your doorstep. Food and beverage needs for our guests and our 700 hosts are met largely through imports. Even our guests are travelling long distances to reach our properties. Add these up and it is evident that managing the environmental impacts of our operations is a major undertaking.

For companies to be truly sustainable the commercial ambitions of the corporate and their obligations to society cannot be a duality. Soneva recognises this and we address it through our reporting lines with the ultimate responsibility for our sustainability performance resting with the CFO. The corporate structure has been designed so that the core environmental values of the company are directly aligned with our approach to investment and our profitability goals. Sustainability and profitability are not mutually exclusive. If a company genuinely has sustainability as a core value then surely it is a conflict of interest to have a CFO who is not an advocate for the environment.



As we highlight in this report, there is good commercial sense in aligning commercial goals and sustainability obligations. For Soneva a focus on sustainable practices has been additive to the bottom line by reducing costs through recycling our waste, focusing on energy efficiency, generating our own power and producing much of the fruit and vegetables that we consume in our own organic gardens. Production of food on our resorts saved us as much as US\$ 48,000 in the last financial year and reduced the need to ship in nearly 15 tonnes of produce, saving an estimated 47 tonnes of CO₂. Sustainability really is good for the bottom line.

As thorough as we are in our efforts to reduce the environmental impact of our resorts in situ, the reality is that we are a consumer of resources from outside and just getting guests to our resorts has an environmental cost. To a large extent these elements are out of the scope of our activities but they are nevertheless our responsibility. To address these Scope 3 emissions we introduced a carbon levy on guests staying at our resorts. This levy is invested via the SLOW LIFE Foundation into projects in developing countries that benefit communities at the same time as helping us to mitigate the impacts of Scope 3 emissions. Since we implemented the carbon levy we have raised US\$ 5.5m which has been deployed through the foundation and importantly we have found that this carbon levy has had no adverse impact on our business. Another example of sustainability in action. Another example of *Intelligent Luxury*.

The remoteness of our resorts undoubtedly brings with it many operating challenges. Through clarity of purpose, ingenuity and hard work, we have been able to integrate our commercial ambitions and our obligations to society. And such seamless convergence of focus is the very foundation that underpins the authenticity of the Soneva brand.

Bruce Bromley
Chief Financial Officer, Soneva Group
Trustee, SLOW LIFE Foundation

intelligent luxury

Intelligent Luxury is our guiding principle. It translates as our desire to challenge and to fully understand what true luxury is in today's context, not the out-dated version which is commonplace in the luxury industry.

The wealthy of today come from a different context to the wealthy of the past when some of the more traditional luxuries were established. With this in mind, the experience we have created for our guests is as far detached from an urban scenario as possible. Simple pleasures such as eating a rocket salad picked just one hour ago, breathing fresh air and enjoying a beautiful view. Such an experience is rare in the modern world, and combined with the space, privacy and comfort of our villas and rooms, and the intuitive service provided by our hosts, we create *Intelligent Luxury*.

It begins the minute our guests arrive when we take away their shoes – No News, No Shoes.



slow life - our core purpose

The acronym SLOW LIFE (Sustainable-Local-Organic-Wellness-Learning-Inspiring-Fun-Experiences) explains the Soneva philosophy. Our aim is to create unforgettable, enlightening experiences that rejuvenate each guest's love of SLOW LIFE. It's about illuminating lives whilst treading lightly on the earth.

With this in mind we have set our core purpose to be: *"We create innovative, enlightening SLOW LIFE."*

Our aim is that our guests' experience stays with them long after departure and inspires a sense of wonder and custodianship for this beautiful world we live in.

SLOW LIFE is not just a guest experience. It is also a guiding principle for all our team members. It is our moral compass as well as our operating compass. We believe companies must have a purpose beyond just enriching shareholders and paying employees a wage. Our ability to create magical experiences for our guests whilst at the same time minimising our impact on the environment is also highly motivating and engaging for our employees.





ENVIRONMENTAL PERFORMANCE

Soneva's vision is to become decarbonising through implementing programmes that will result in a net absorption of CO₂. A **Carbon Calculator** has been developed to monitor this covering the full footprint of our operations including **energy consumption, air travel, ground travel, freight, food, paper, waste and water.**

BIODIVERSITY

50 ha land area (size of the island) and 119 ha house reef under conservation by Soneva Fushi.

7,500 m² vegetable gardens

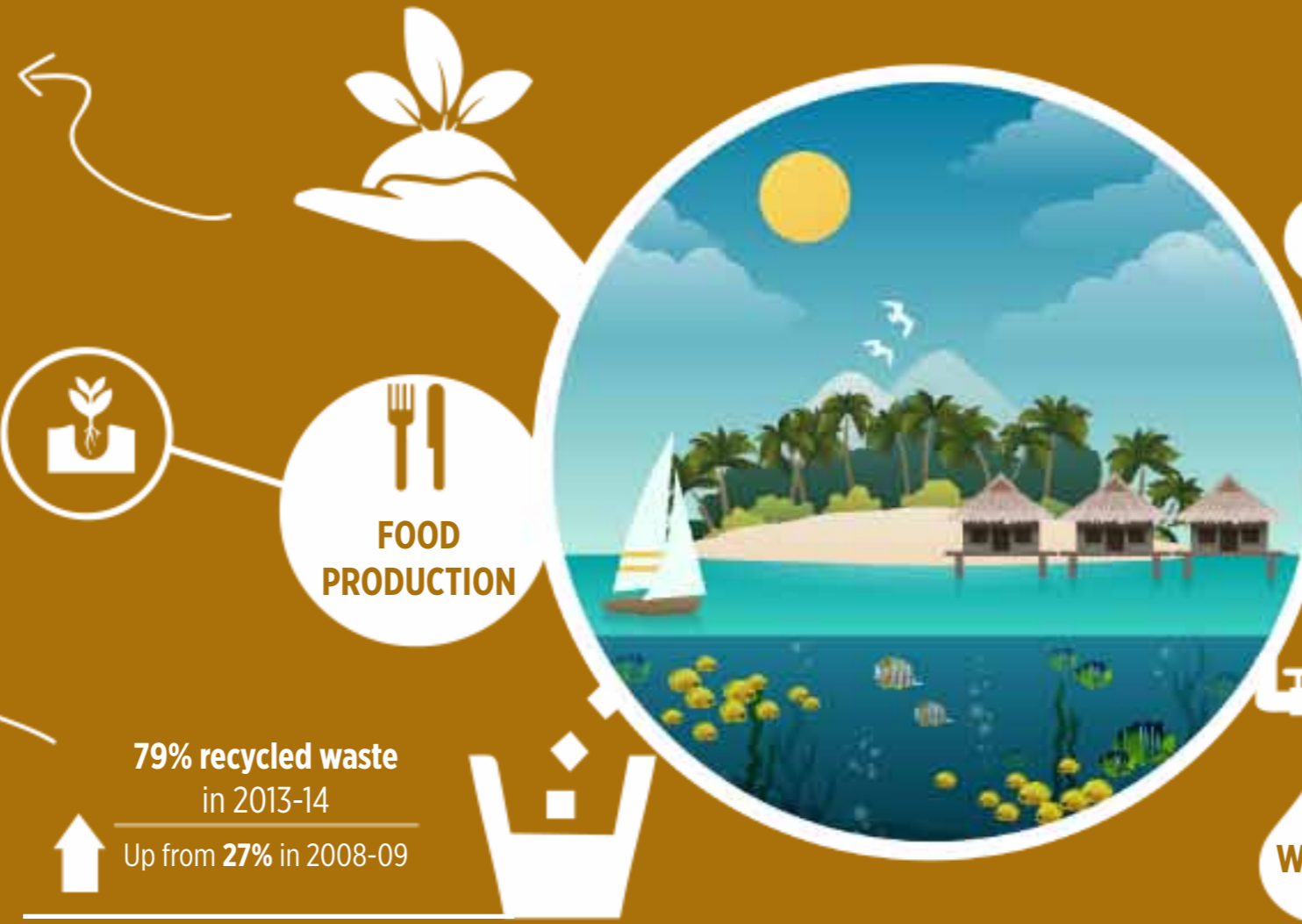
 14,786 kgs produced in 2013-14

Composting soil used instead of artificial fertilizers

WATER RECYCLED

- Food Waste
- Garden Waste
- Styrofoam
- Wood turned into bio-charcoal
- Metal
- Paper
- Plastic

Composted food waste is used for the herb & vegetable gardens to grow vegetables for our restaurants



FOOD PRODUCTION

79% recycled waste in 2013-14
 Up from 27% in 2008-09

72 tonnes of negative CO₂ emissions in 2013-14 from waste management

TOTAL CARBON FOOTPRINT

36,698 tonnes CO₂ (2013-2014)
 Down 12% relative to 2008-09 base year

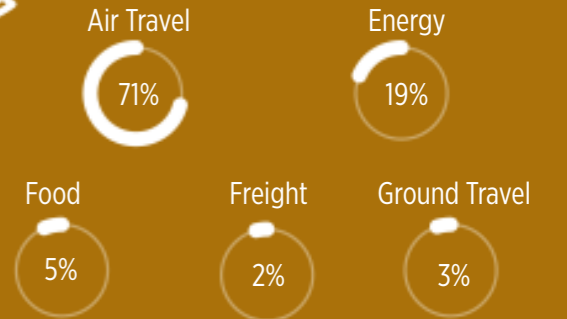
RESORT EMISSIONS

By measuring and monitoring all aspects of our business, we know where we can have most impact on our on-site carbon emissions.

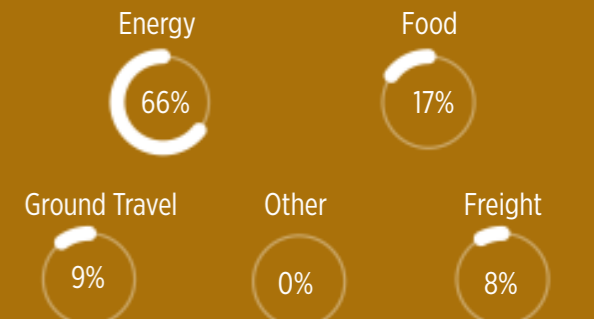
100% of water sourced sustainably

- 47% Rainwater Collected
- 6% Deep Wells
- 47% Desalination

SONEVA CARBON FOOTPRINT BY SOURCE:

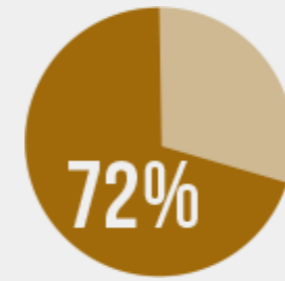


SONEVA CO₂ EMISSIONS EXCLUDING AIR TRAVEL:





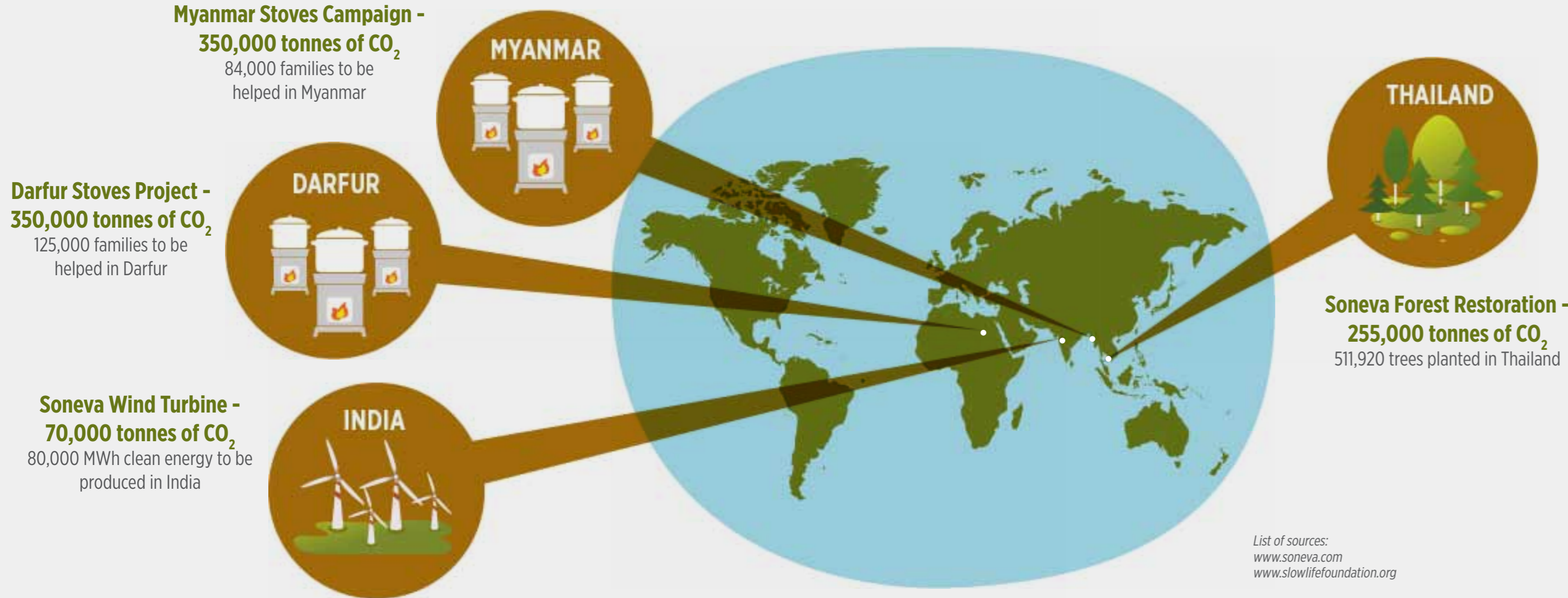
CARBON MITIGATION



of our footprint is derived from **guest air travel**, emissions that we cannot directly control, but which we believe we have a responsibility to account for and to mitigate.



A carbon levy of 2% of room revenue is added to guest bills to mitigate these emissions and invested in carbon mitigation projects by the **SLOW LIFE Foundation**.

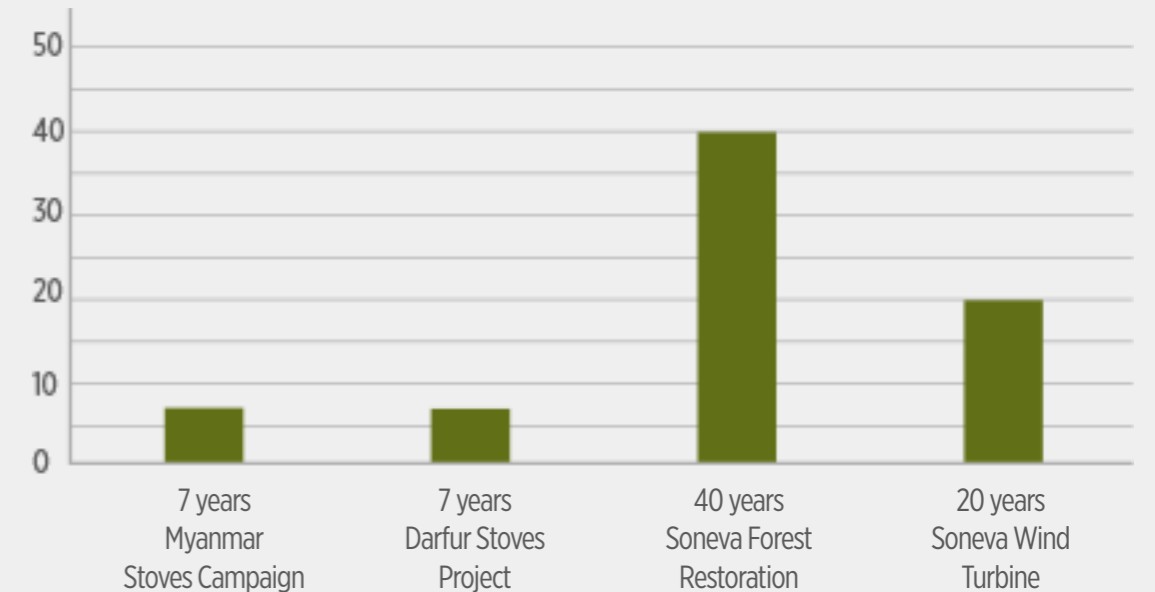


List of sources:
www.soneva.com
www.slowlife.foundation.org



MITIGATION TARGETS

Mitigation targets over lifecycle of projects:



social & environmental conscience statement



Soneva is committed to responsible tourism. The management of our carbon footprint is a key component of this commitment.

To identify where to invest in carbon reduction, Soneva conducts an annual *Carbon Survey*.

Each of our resorts has a designated Sustainability Officer who collects and reports performance data on all resort activities and equipment that emit greenhouse gases. In addition to monitoring our own emissions, we also collect data on emissions from activities that occur outside the resort property, but which can be directly attributed to the activities of the resort – this includes emissions from the freight transport of goods and the air travel of our hosts and guests.

Scope

For our annual carbon survey we collect and report emissions data on activities in eight categories that collectively capture all the CO₂ emissions associated with Soneva resorts. These categories are: energy, air travel, ground travel, freight, food, paper, waste and water.

In order to meet international conventions on emissions reporting we further group these emissions into three baskets or ‘scopes’. Each scope reflects how the emissions relate to the activities of the resort.

Figure 1 provides a key for identifying how each category of emissions is grouped by scope.

Throughout this document we report emissions by both scope and the activity category responsible for the emissions. Details of conversion factors and other technical elements associated with our approach to carbon reporting can be found in the carbon footprint section.

Additional sustainability reporting

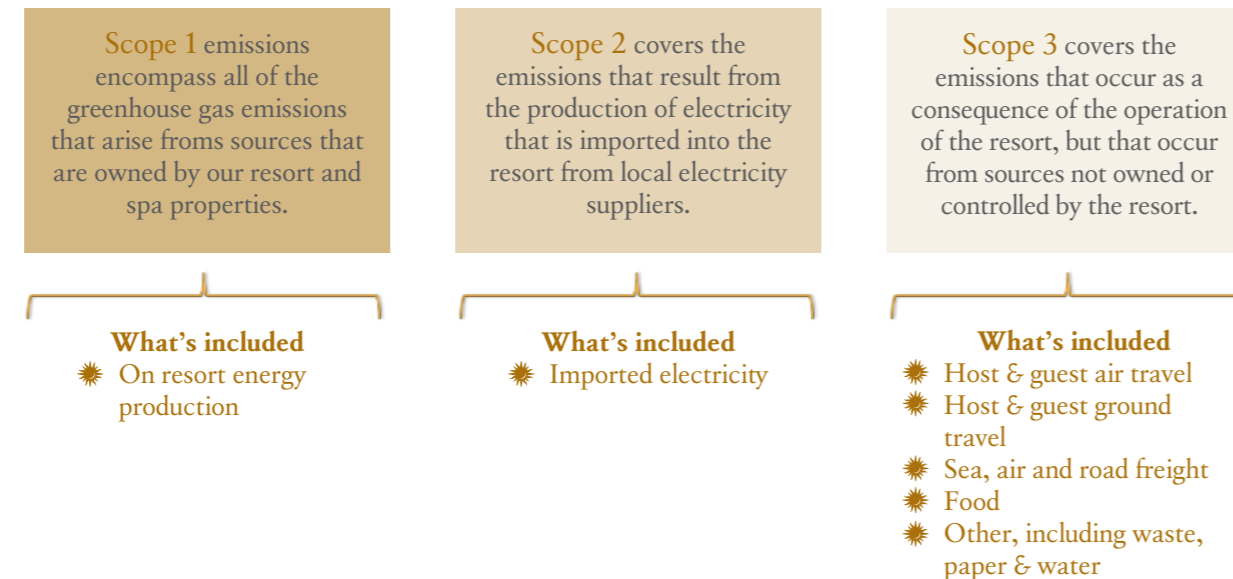
We have also implemented a Soneva Sustainability Index. This incorporates the Soneva Carbon Calculator measurements, but also looks at other sustainability parameters such as biodiversity, chemical management and health and safety.

During the year we have been working on developing an Environmental Profit & Loss (eP&L) statement, which will look further into our supply chain and how it impacts on the environment. We aim to implement this in the 2014-15 fiscal.

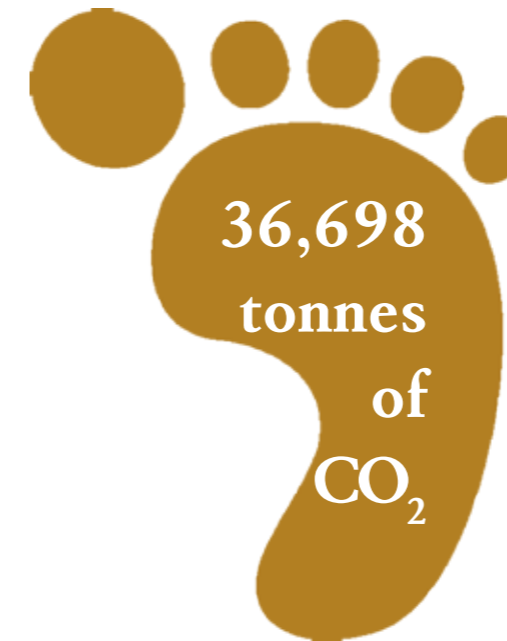
As our carbon survey looks at emissions beyond our control – for example, the 71% of our carbon footprint that is a result of guest air travel - we have to mitigate this. This is being done through the development of a portfolio of carbon reduction projects through the SLOW LIFE Foundation, which you can read more about in this report.

Arnfinn Oines
Social and Environmental Conscience, Soneva Group

Figure 1: The scope of our carbon footprint analysis



Source: Soneva



Carbon Footprint 2013-14



Relative to 2008-09 base year

Source	Tonnes CO ₂ emissions	Change on 2008-09
Air travel	26,223	-17%
Ground travel	947	-10%
Energy	3,895	+9%
Freight	863	-5%
Food	1,827	+3%
Waste	-72	-286%
Paper	10	-20%
Water	0	±0%
<hr/>		
Scope 1 emissions	6,895	+9%
Scope 2 emissions	0	±0%
Scope 3 emissions	29,803	-16%



Hilary Fontanelle
Chief Engineer, Soneva Fushi

Improving our energy efficiency and switching to renewable energy sources is our top priority. As we operate in remote, off-grid locations, our biggest challenge is reducing our diesel consumption.

Making our resorts energy efficient is the easiest step in improving our carbon footprint. Our villas and restaurants are designed with natural ventilation, reducing the need for air conditioning.

As is true of energy efficiency measures in any context, the initial gains are relatively straightforward. But the subsequent gains are harder to achieve, particularly in remote locations. That is where the need to innovate becomes apparent and the results are even more satisfying. Late this year will see energy improvements in our desalination process and the installation of a 500kWp solar plant.

SUSTAINABLE LOCAL ORGANIC WELLNESS
LEARNING INSPIRING FUN EXPERIENCES

Energy Source

- 6,895 tonnes CO₂ from energy emissions 2013-14
- Energy consumption totalled 66% of company carbon emissions excluding air travel for 2013-14
- In 2009, the 70kW Solar Photovoltaic (PV) power plant on Soneva Fushi was the largest renewable energy plant in the Maldives
- 93,558 kWh of clean energy was produced in 2013-14
- A 500 kWp solar plant will be installed late 2014. With planned energy saving measures, this will reduce our diesel consumption by a further 40-50%.





Soneva Kiri's Cinema Paradiso gives guests an amazing outdoor cinema experience. It also holds the resort's rainwater-harvested water reservoir.



Georgina White
Naturalist, Soneva Kiri

At Soneva Kiri, we use a sophisticated yet completely natural water filtration process to turn our waste water into naturally enriched water that is used to irrigate our fruit and vegetable gardens.

The waste water moves through a series of filtration and oxygenation ponds. Nine species of mopping plants naturally remove the contaminants from the water and sequester them in the vegetation. The vegetation is, in turn, eaten by tilapia fish. 80 different types of effective micro-organisms keep a good balance between the positive and negative bacteria.

As a result our BOD level is excellent at 5.4 mg/l – well below the 20 mg/l maximum requirement for treated waste water.

This process demonstrates the ingenuity that is often applied to tricky problems in remote locations. Sometimes having to think creatively reveals a much lower-impact way of dealing with a perceived problem.

SUSTAINABLE LOCAL ORGANIC WELLNESS
LEARNING INSPIRING FUN EXPERIENCES

Soneva sources all its water sustainably and is 100% self-sufficient.

- 47% of our water supply is derived from collected rainwater
- 6% is from deep wells
- 47% is from desalination

Water saving shower heads, aerators in taps and push valves in heart-of-house areas have been introduced to reduce water consumption.

In October 2008, Soneva resorts banned imported bottled water. We produce our own drinking water enhanced with minerals and bottled in reusable glass bottles.

Globally, 780 million people lack access to safe drinking water and 2.5 billion to basic sanitation services. In recognition of this, Soneva gives a significant proportion of the revenue generated from our water sales to the SLOW LIFE Foundation, which works with various charities to implement Clean Water Projects.

In four years Soneva has helped over 600,000 people to have access to safe water. 493 projects in 53 countries have been implemented. Our main implementing partners are Water Charity and Thirst-Aid.

waste to wealth

As the Maldives is a nation with few municipal waste facilities, a rigorous waste management programme is not only desirable but essential at Soneva Fushi. At Eco Centro, our waste management centre, we look at waste as an asset rather than a problem.

100% of our food and garden waste is composted and becomes rich soil that is much needed for our vegetable gardens. We are able to produce great vegetables for our kitchen even in the middle of the Indian Ocean with sandy and salty soil conditions. With no food waste dumped in the sea – the common practice in the Maldives – we are producing so much compost that in 2015 we will consider exporting to other islands in the Maldives. This can then replace compost imported from Sri Lanka.

Wood waste is made into biochar and charcoal that is used on site. Glass is crushed and reused as a versatile material. Plastic waste is virtually eliminated as we do not serve branded bottled water and all our room amenities such as soap, shampoo and body lotion are offered in ceramic reusable containers.

Styrofoam is another problematic waste product that causes huge issues for landfills due to its volume and slow rate of breakdown. We have found several innovative ways to transform the styrofoam that arrives at the resort as packaging into a resource. With a simple hotwire cutter, we cut it into panels and use it for insulation in the walls of new buildings. We even cut some in the shape of a kick-board, which we used for our Learn To Swim programme.

The solution to waste is entirely down to attitude. If you change your perspective and view waste as a resource, all kinds of innovative ideas rise to the surface!



Gordon Jackson
Waste to Wealth Manager, Soneva Fushi

SUSTAINABLE LOCAL ORGANIC WELLNESS
LEARNING INSPIRING FUN EXPERIENCES



In total, 79% of Soneva waste is recycled through our Eco Centro Waste-to-Wealth programme, up from 27% compared to 2008-09 baseline.

The overall carbon footprint of Soneva waste management is 72 tonnes of *negative* CO₂ emissions per year. This means our recycling efforts result in more carbon avoided than produced, which is an important component of our decarbonising programme.

150,000 plastic bottles are saved per year and practically eliminated through banning imported water and bottling our own water in reusable glass bottles.



The LIFE in SLOW LIFE stands for Learning – Inspiring – Fun – Experiences. Ensuring that guests and hosts learn about the rich marine life that surrounds us and find inspiration and fun in their interactions with the underwater world plays a vitally important role in protecting the reef from human damage and such education is one of the key roles of the Marine Biologist. In the last 12 months, we personally guided 1,652 guests on our house reef and beyond.

Beyond human interaction there are many events, both natural and otherwise, that can affect the health of a reef and of a marine ecosystem. Many of these factors are macro (or global) in scale, some are seasonal and some are evolutionary. It is always challenging to identify with certainty which factors are causing a change when one is generally looking at the health of the reef through a narrow lens of our local marine environment.

Soneva Fushi's house reef is under some pressure, both as a result of human interaction with the reef as well as naturally occurring factors. The good news is that we are seeing some changes from previous surveys which are encouraging, not least because they demonstrate that through our duty of care for our local environment we are having a positive impact. Over the last six months we have seen a stabilisation in the trend of declining coral abundance, possibly reflecting lower sedimentation and algal cover.

It gives me great hope that such positive changes can be observed in a short space of time as it demonstrates that while the reef is highly fragile it is also highly resilient if given the right protection.



Federica Siena
Marine Biologist, Soneva Fushi

SUSTAINABLE LOCAL ORGANIC WELLNESS
LEARNING INSPIRING FUN EXPERIENCES

Each Soneva resort has a house marine biologist. Since 2007, marine biologists based at Soneva Fushi have worked with five other resorts in the Baa Atoll to secure recognition for Baa Atoll as a UNESCO Biosphere Reserve. The status was achieved 2011 and now our efforts are focused on ensuring the reserve is effectively managed and protected.

At Soneva Kiri we started a Coral Restoration project in 2011 using metal frames with electrical current from solar panels. After two years the 1,850 transplanted corals that cover 40 x 12 metres have grown well and 69 different fish species have been counted.

Soneva has banned night fishing due to its destructive attributes.

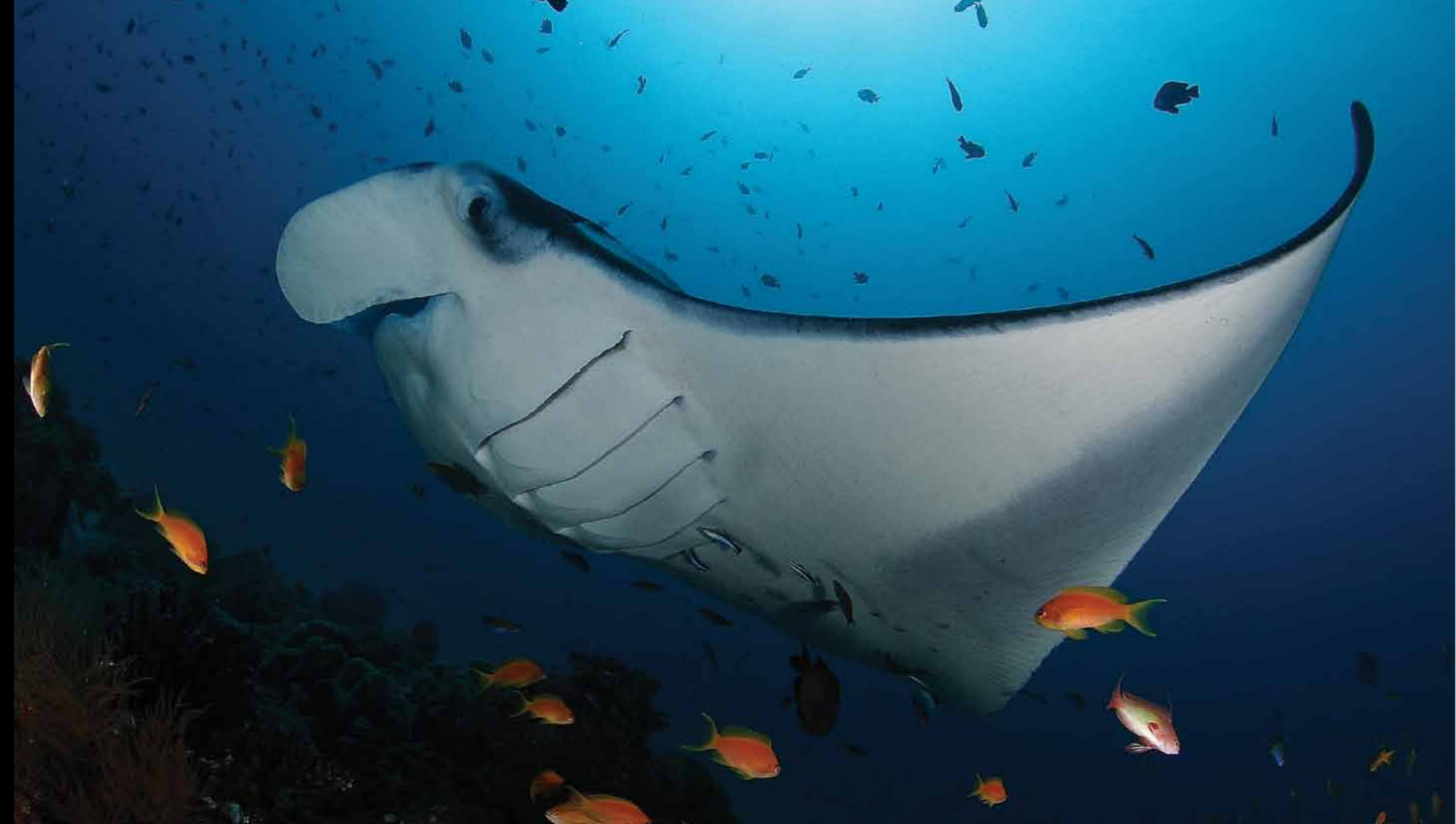
50 ha of land (the size of the island) and 119 ha of house reef are under conservation management by Soneva Fushi.

FINished with Fins

Soneva Fushi has long been an active campaigner against shark fishing in Maldives. In 2010, the Maldives became only the second country in the world to implement an outright ban on shark fishing.

In 2014, Soneva Fushi was named 'I'm FINished with Fins' campaign regional headquarters, and Soneva founders Sonu and Eva Shivdasani were named as ambassadors.





case study: baa atoll unesco biosphere reserve

We are fortunate that Soneva Fushi is located in a UNESCO Biosphere Reserve and it is a privilege to be in a place that has been recognised for its biodiversity and the commitment of local islands and resorts to sustainable development.

The success of marine protected areas has been demonstrated around the world from Belize in South America to Komodo in Indonesia, and Chagos, not far from us here in the Maldives. Well-coordinated and financed protected areas have shown remarkable resilience and the ability of their coral reefs, biodiversity and fish populations to recover.

Within the Biosphere Reserve there are nine 'core areas' which have been identified as being of the highest ecological value. The first of the nine areas to receive a management plan was Hanifaru Bay which boasts an extraordinary migrating population of manta rays coming here to feed on plankton. During the season, from June to November, guests who snorkel here will come across whale sharks and manta rays, sometimes in their hundreds. Protected status means that the number of vessels allowed within close proximity of whale sharks and manta rays in aggregating sites is restricted, as is the size of vessel and number of swimmers in the water.

Goidhoo will be the second protected area with a management plan in the Biosphere Reserve and it is the largest mangrove forest in the Baa Atoll. Olhugiri, with its roosting Frigate Birds, breeding Tropic-Birds and nesting turtles is equally special. Each of the nine areas is unique and shows the beauty and diversity of the Baa Atoll.

Resort islands can be key to the success of the reserve. Although they have to deal with the impacts derived from tourism activities and the operational management of the island, resorts could be potential hot-spots for recovery as fishing practices and tourism activities are planned and monitored. IUCN (International Union for Conservation of Nature) has been promoting the establishment of Marine Managed Areas within resorts, highlighting resilience areas to be specially protected from harmful activities. If and when this programme commences and the protection suggested by the UNESCO Biosphere Reserve is implemented in all the nine sites, we will be living in a natural jewel and will slowly see significant improvements in the marine environment.

Soneva has always had a strict policy on what we will and won't serve in our restaurants. We operate a 'no no' list that ensures no endangered species are on our menus and that we only serve fish caught sustainably. However, at the last SLOW LIFE Symposium, we were so inspired by the dialogues we were having that we were motivated to go further.

Now we chefs at Soneva Kiri and Soneva Fushi discuss our food sourcing in fortnightly conference calls. It gives us a focus and it helps to learn from each other. We have updated our menus with the sustainability rating of our food products and suppliers. We take the time to speak to our guests in our restaurants about their meal and where the ingredients have come from. People are genuinely interested and concerned and it reinforces our commitment to go further. Currently we are assessing the embedded CO₂ in some of our ingredients, such as beef, which will help us decide the best supplier by farming method and geographical location. It's a complicated process but understanding our supply chain is fundamental to operating a sustainable kitchen.



**Chefs Mark Ian Jones and Kevin Fawkes
Soneva Kiri**

In 2013-14 we have focussed on sourcing even more of our food locally. At Soneva Kiri we grew over 5 tonnes of herbs and vegetables to a value of nearly US\$ 10,000. Additionally, we are now producing our own cheddar, feta and blue cheeses with raw materials from Thailand rather than importing the cheese from Europe. We also produce our own sausages, salami and bacon. We have created our own smoking machine that allows us to smoke the locally caught sea bass and mackerel to give more variety without the need to import products.

We have created a heavenly chocolate room where guests can indulge in fair trade truffles and chocolates. The secret to inspiring environmental awareness through food is to constantly surprise and delight.

**SUSTAINABLE LOCAL ORGANIC WELLNESS
LEARNING INSPIRING FUN EXPERIENCES**



Soneva serves a prime selection of biodynamic wines. Biodynamic agriculture aims to 'restore, maintain and enhance ecological harmony'.





Fresh fruit breakfast buffet



Luxury fair trade chocolate is made on site



7,500 m² of land is set aside for vegetable gardens where we followed organic principles to grow 14,786 kgs of produce in 2013-14. No artificial fertilizers are used as we produce rich composting soil from our composting piles.



Fresh vegetables ready for preparation for dinner at Khun Benz



We cultivate mushrooms in our own lab from spawning to plate, reducing the need to import this luxury ingredient.





profile: khun benz

When Sonu and Eva stopped at a roadside cafe to ask for directions fifteen years ago, they stumbled across someone they instantly knew was special. Khun Benz's charisma and cooking made a lasting impression on them, so much so that they invited her to become a permanent part of the Soneva community. Benz worked at Soneva Fushi for 10 years, before returning to her native Thailand to open her own restaurant within the Soneva Kiri resort. Her incredible food and wonderful company make for an unforgettable experience.

Khun Benz's restaurant offers guests the chance to enjoy traditional Thai food and hospitality in an authentic local setting. The restaurant gives guests two choices – meat or seafood. Using what she finds in the market that day, Khun Benz cooks up a fantastic seven course meal.

Prior to conversion, the restaurant building was home to two Soneva Kiri hosts, Pom and his brother. Now Pom is an Assistant Restaurant Manager.



Patrick Brizio
Managing Director of Projects and Engineering

The design and build of Soneva villas is informed by our SLOW LIFE core purpose. Design incorporates the vernacular architecture of the location, using locally made materials, the knowledge of indigenous communities accumulated over millennia and cutting edge sustainable technologies.

We put great emphasis on blending in with the natural surroundings. We focus on providing our guests with space and privacy rather than increasing the number of villas.

The use of large open spaces is important to give guests something unique and help them get in touch with nature. Large 100 square metre open air bathrooms with outdoor showers emulate our *Intelligent Luxury* concept – a rarity you will not find in the big cities. It also promotes natural ventilation rather than the energy intensive air-conditioning often used in tropical settings.

The same concept is transferred to our restaurants which are open air to harness the natural cooling element of wind rather than air-conditioning. Nothing is better than enjoying good local food in the fresh air.

SUSTAINABLE LOCAL ORGANIC WELLNESS
LEARNING INSPIRING FUN EXPERIENCES

Building Materials

Wood is our primary building material. Using sustainably sourced wood is paramount – if it isn't from a sustainable source, we simply won't use it. Where practical, we use fast growing softwoods such as casuarinas and acacia. Bamboo, technically a grass, is also one of our preferred building materials.

Where hardwood is required, we source it from sustainably managed forests, preferably certified by the likes of the Forest Stewardship Council (FSC). Examples include red river gum and pine.

When we can recycle, we do. Driftwood, for example, is extensively used for decoration as well as creating benches and tables.

Fixtures, Fittings and Operating Equipment

Where possible, our fixtures, fittings and operating equipment are produced by small village artisans in Thailand. Crockery, cutlery and lamp shades bring local character into our resorts and bring commerce to local artisans.

Our room amenities allow us to combine artisan craft with a lower carbon footprint. Providing our soap and shampoo in ceramic dispensers allows us to support local traders at the same time as eliminating disposable packaging and lowering our carbon footprint from freight. It also saves us money.

Our colourful daybeds and cushions are an iconic feature of Soneva resorts. These are produced in Sri Lanka by a company working with women in small work centres, mostly located in rural areas.







case study: the den at soneva kiri

The Den at Soneva Kiri mixes traditional craftsmanship, modern design and sustainable materials to create a unique and exciting children's activity and learning centre. Located on a rocky slope close to the sea, its design – an elevated, cantilevered form shaped as a manta ray – offers cross-ventilation and daylight access.

The Den was built with bamboo – one of the more environmentally friendly building materials. Technically a grass, bamboo can be harvested after five years compared to 40 years for trees. The bamboo came from plantations in the neighbouring Thai province of Prachinburi. It is treated with Boron, a natural salt, to protect it from termites and other insects.

To assess the building's strength, a 3-D 1:30 scale model was created and tested in the wind tunnel of Thammasat University in Bangkok. Thai craftsmen of the Karen hill tribe from the Mae Chaem district in Chiang Mai formed the majority of the construction team along with international experts. Together, they created a fun space for children at Soneva Kiri, as well as promoting the reputation of bamboo as a versatile and strong building material.



Ann-Louise Hancock
Chief Talent Officer, Soneva Group

At Soneva we use the word host rather than employee. We recognise that everyone has a key contribution to make that ensures that the guest experience is exceptional. As hosts to our guests we deliver our service with pride and a strong sense of ownership and accountability. We have created a feeling of family where each host knows and understands how they personally impact the business and the guest.

SUSTAINABLE LOCAL ORGANIC WELLNESS
LEARNING INSPIRING FUN EXPERIENCES

In 2013-14 we employed on average 700 hosts of which 639 were based at our properties.

Local Hosts

Great emphasis is placed on local employment. We have a strong belief that local hosts provide the best service as they feel they are welcoming guests to their home environment. In 2013-14 77% of our hosts were from the country in which we operate.

Gender Equality

19% of our hosts are female and 81% are male. We believe in gender equality and encourage women to work with Soneva. There are significant differences in gender distribution depending on our location.

In Thailand distribution is 36% female and 64% male, whereas in Maldives the distribution is 94% male and 6% female. This reflects the national norms of the location.

Host Facilities

We invest heavily in our hosts as we know that they are the heart of our business. We strive to create a home from home and provide facilities that provide comfort and good standards. As our resorts are located in remote areas where the hosts have to live on-site, we have developed host villages that provide accommodation, restaurants, bars, libraries, relaxation areas, game rooms and sporting facilities.

HR Policy and Practices

At Soneva the HR Teams are closely aligned to the business to ensure that best practice is applied in the way that we facilitate our hosts' engagement with the business. Our policies and practices reinforce SLOW LIFE and cover the whole employment journey from recruitment and induction to development and training, growth and career planning, and exit.

Host Learning and Development

In 2013-14 a total of 47,515 training hours were completed. Of this, 26% or 12,213 hours were dedicated to sustainability training.

Our Learning and Development team ensures all hosts receive an induction in the Soneva SLOW LIFE philosophy and both local and worldwide environmental challenges and solutions. Specific sustainability training is provided for individual teams and hosts. This training is continually being reviewed and developed to ensure that Soneva and our hosts are fully aware of the current challenges faced by the environment.





Eco Camp students touring the herb and vegetable garden at Soneva Fushi

working with our communities



Isha Afeef
Social and Environmental Responsibility
Fund Manager, Soneva Fushi

Our local communities are made up of our friends, our neighbours and our colleagues. Together, we are the custodians of the incredible locations we are lucky enough to live in. The well-being of the sea, marine life, the land and the people is our collective responsibility.

I have lived by the sea all of my twenty years. Yet like many Maldivians, I have a fear of the ocean that is hard to shake. That is why our Learn To Swim programme resonated so deeply with me. When I'm in the water holding the hand of a young girl who doesn't even dare put her head in the water, I understand that crippling fear that makes it hard to let go. The satisfaction of teaching these children and their mothers was equally matched by the turnout we received from the same community to our beach clean on World Environment Day. More than 100 people participated in a mass beach clean, confirming the philosophy that if you want people to care about the ocean, first you have to teach them to love it.

Another highlight of my year is Eco Camp, when we invite around 15 7th-graders from local islands to experience first hand what we are doing at Soneva Fushi in a way that is relevant to them when they return to their home islands. The students snorkel, plant herbs in coconut husk pots, sleep under the stars and visit the mangroves and farmlands of Goidhoo on their way back home. Watching these bright and enthusiastic young people absorb ideas and information like a sponge gives hope for the future of our islands. After all, these same young people could well be the future community leaders who provide custodianship of our local and global environment.

These are just two example of how we work with our local communities. Whether it is providing local employment, purchasing local products or arranging sporting events, this is less a programme of work and more an integrated way of operating in partnership with our neighbours.

SUSTAINABLE LOCAL ORGANIC WELLNESS
LEARNING INSPIRING FUN EXPERIENCES





case study: learn-to-swim

Despite living in an island nation, many Maldivians grow up without learning to swim. While this poses a clear risk to life, it also means that children grow up with little environmental awareness of the ocean and the coral reefs that surround them.

We believe that if children learn to swim, they can lose their fear of the ocean and learn to love it. If they love it, they are more likely to protect it. Over an intensive two weeks, and then fortnightly classes thereafter, the Soneva Learn To Swim programme takes children and mothers from the very basics through to their first time snorkelling on the reef edge.

Swimming is a potentially life-saving skill. For children of all ages, 79% of drownings occur during the day between the hours of 8am to 4pm – exactly when fathers are at work. It is vital that mothers should also be rescuers, so our Learn To Swim programme includes a class dedicated to mothers.





Slow Life
FOUNDATION

At Soneva we are committed to reducing our environmental footprint by embracing responsible business practices and investing in sustainable resort equipment. While we are doing what we can to improve our own performance we recognise that the environmental impacts of our resorts also include indirect emissions such as guest air travel.

To address these emissions we have introduced a carbon levy to all guest bills which has raised US\$ 5.5m to date. These funds are invested by the SLOW LIFE Foundation into the development of environmental projects that reduce carbon emissions at the same time as addressing deeper social and environmental challenges. The Foundation uses impact investing principles, seeking to recover outlays through carbon finance, which is in turn fed back into projects to help extend the reach and benefits to more families.

Myanmar Stoves Campaign

The SLOW LIFE Foundation is funding the first Gold Standard certified carbon project in Myanmar which will see the distribution of fuel efficient cook stoves to 84,000 families. This project is delivered in partnership with Mercy Corps.

Myanmar has one of the fastest rates of deforestation in the world. As the forests disappear, the price of wood gets higher, driving more and more families into energy poverty. Cutting expenditure on wood makes a huge difference to families already living in poverty, and reducing time spent foraging for wood means more time to spend on smallholdings and securing a good harvest.

In 2013-14 we distributed 2,209 stoves reaching 10,161 people. The fuel efficient stove supplied by the SLOW LIFE Foundation reduces wood consumption by 50%, air pollution by 80% and CO₂ emissions by 60%.

Darfur Stoves Project

The SLOW LIFE Foundation is providing funding to distribute 125,000 efficient cook stoves in war-torn Darfur. Women are particularly vulnerable to sexual violence while foraging for wood, so reducing the amount of fuel needed for cooking is vitally important. Deforestation is also averted and carbon emissions from cooking – a major contributor to global carbon emissions – are reduced. The project has created a local industry around the assembly of cook stoves, bringing much needed employment to an area where jobs are scarce. In 2013-14, 12,930 stoves were distributed reaching 64,650 people.

Soneva Forest Restoration Project

The SLOW LIFE Foundation has partnered with the PATT Foundation to plant 511,920 trees covering 300 acres in the Chiang Mai region of northern Thailand. We used a Framework Species Methodology, with guidance from the Forest Restoration Research Unit of Chiang Mai University, with 90 species of trees planted. Over a period of 7-8 years, seed-dispersing birds will increase the number of species further, creating a rich biodiverse forest. The project will mitigate an estimated 255,000 tonnes of CO₂.

Soneva Wind Turbine

The Soneva Wind Turbine is a 1.5 Mega Watt (MW) Suzlon wind turbine built to provide clean energy in Tamil Nadu, India. This will mitigate 70,000 tonnes CO₂ over a 20-year period through the production of 80,000 MWh of clean electricity.

www.slowlifefoundation.org





profile: ma khin myaing

Ma Khin Myaing became the first owner of the five minute stove, as it is known locally, in her village Baw Di Kone in Myanmar's central Dry Zone in 2013.

Household cooking, often done indoors without a chimney and on inefficient stoves, is a silent killer. Air pollution from domestic cooking is responsible for the premature deaths of 4 million people a year, more than HIV Aids and malaria combined. By containing the fire, the five minute stove reduces air pollution by up to 80%, providing a much cleaner method of cooking. As the combustion chamber is enclosed, sparks do not escape, greatly reducing the risk of a household fire.

For Ma Khin Myaing, the physical benefits are clear. "I used a lot of wood with my old stove and it made my eyes water. This one is different. It needs less wood, the fire is more contained and I don't get so hot."

Just three sticks of wood create enough heat for boiling, cutting fuel requirements by 50%. The heat is retained in the central section of the stove, making it much more efficient than an open fire or the traditional three stone stove. This saves up to 60% on CO₂ emissions and dramatically reduces deforestation.

Ma Khin Myaing's husband, U Win Myaing, supplements his income by selling the cook stoves for which he receives a commission, but his endorsement of the stove is more than just financial. "I'm glad to be a cook stove vendor as I can see the deforestation around our village. But since some of us have been using the cook stove, I can see it starting to become green again. Now most villagers are planting trees and cutting less. I think in ten years it will be green again."



SYMPOSIUM

We founded the SLOW LIFE Symposium to have influence beyond our own networks and beyond our own industry. Organised by the SLOW LIFE Foundation and hosted by Soneva, it is a perfect opportunity to align the values of the Foundation with the business ethic of Soneva.

Each year we gather the best scientists, philanthropists, business leaders and policy makers for three days of dialogues around the large sustainability challenges and opportunities facing humanity. Participants do not just contribute to an event, but to a collaborative 12-month programme of solutions-focused work.

www.slowlivesymposium.com



The State of Bihar has the lowest human development index and nominal GDP per capita of all 28 states and seven Union Territories in India. Around 70% of the population lives below the poverty line and the literacy rate is just 43.9%.

Water supply coverage in the district of Sheohar is estimated at 62%, which means that 249,628 people do not have access to safe drinking water.

Working with partners One Drop and Water for People, WHOLE WORLD Water will ensure that 100% of the population of Sheohar has access to safe drinking water.



Photo Credit: One Drop

slow life symposium initiatives

Resilient Seas

All the seas in the world are over-fished. 80-90% of wild fish stocks have been depleted to unsustainable levels. Illegal, unreported and unregulated fishing threatens the very future of the fishing industry.

An expert group of scientists, business leaders and ocean advocates committed at the 2013 Symposium to helping find pathways to a resilient future for the fishing industry and our oceans that help safeguard fish resources, provide good livelihoods and ensure food security.

Sustaining the Hospitality Industry

The travel and tourism industry currently contributes approximately 9% of global GDP or a value of over US\$ 6 trillion, and accounts for 255 million jobs. Jochen Zeitz and Sonu Shivdasani committed at the 2011 Symposium to identifying opportunities for transformational change with the goal of strengthening commitment and action for sustainability within the hospitality sector.

WHOLE WORLD Water

The SLOW LIFE Foundation is a co-founder of the WHOLE WORLD Water campaign, which aims to unite the tourism and hospitality industry to address global water challenges. The simple model takes the Soneva concept of filtering and bottling drinking water, selling it to guests and contributing 10% of water revenues to clean water projects. It is estimated that if the hospitality industry unites over this issue, US\$ 1bn could be raised annually to provide clean and safe water around the world.

The concept of WHOLE WORLD Water was conceived at the 2011 SLOW LIFE Symposium. It now has almost 100 members around the world and is funding seven projects in Uganda, India and Cambodia that provide people with access to clean and safe drinking water.

sustainability awards

Winner	Award
2013-14	
Soneva	Wild Asia Responsible Tourism Award 2013 category Most Inspiring Responsible Tourism Accommodation Provider
Soneva Fushi	Leading Eco Resort – the Maldives Travel Awards 2013
2012-13	
Soneva	Positive Luxury Blue Butterfly Trust Mark 2012
Soneva Fushi	Long Run Alliance Member – Long Run Alliance
Soneva Kiri	Long Run Alliance Member – Long Run Alliance
Soneva Kiri	Winner of World’s Leading Eco Resort and Spa – World Travel Awards 2012
2011-12	
Soneva*	Winner Condé Nast World Savers Award 2011– Doing it All – Small Hotel Chains 2011
Soneva*	Corporate Leadership Award – HICAP Sustainable Hotel Awards 2011
Soneva*	Green Accommodation Award Gold Class – Thailand Department of Environmental Quality Protection
Soneva*	ASEAN Green Hotel Standard 2010-2011 – ASEAN Tourism Standard
Soneva*	Winner Travel+Leisure Global Vision Awards 2011 – Footprint Reduction
Soneva*	Runner up The Sunday Times Travel Magazine Readers Award – Green Travel Award 2011
Soneva*	Positive Luxury Blue Butterfly Trust Mark 2012
Soneva Kiri	Green Development Award at 2011 Thanachart Bank Thailand Property Awards
2010-11	
Soneva*	Walpole Award for Corporate Social Responsibility
Soneva Kiri	Winner of PoolAsia Award 2011, in category Resort Pool Villa Main criteria: Environmentally friendly and fully integrated water treatment
2009-10	
Soneva*	Condé Nast Traveller - UK Readers’ 2009 Travel Awards - Winner of the Inaugural Barclays Wealth Sustainable Award – Sonu and Eva Shivdasani, Six Senses Resorts & Spas
Soneva*	Condé Nast Traveler - USA 2009 World Savers Awards - Honorable Mention Wildlife Category
Soneva Fushi	Finalist of ‘Wild Asia’s Responsible Tourism Award 2009: Mid-size to Small Accommodation Operators’
Soneva Fushi	2009: Condé Nast Traveller: ‘Barclay’s Wealth Sustainable Award’
Soneva Fushi	2009 Green Globe Benchmarked

2008-09	
Soneva*	Hospitality Awards 2008 Best Initiative in Sustainable Development
Soneva*	AsiaSpa Awards 2008 Winner – Eco-Spas of the Year
Soneva*	Condé Nast Traveller – 2008 World Savers Awards Honorable Mention Health Category
Soneva*	PATA Gold Award 2008 – Corporate Environmental Programme
Soneva*	The World Travel & Tourism Council (WTTC) Winner – Global Tourism Business Award, Tourism for Tomorrow Awards 2008
Soneva*	Favourite Eco/Green Spa – Spa’s Silver Sage Readers Choice Awards 2008 – US
Soneva*	Winner for The Green Award – Lifestyle + Travel Readers’ Choice Awards
Soneva*	The 9th Annual Guide Awards, Excellent integration with the environment (Luxury extraordinarily well blended with the environment) – The Guide Magazine
Soneva Fushi	2008 Winner of the President of Maldives’ ‘Green Leaf Award’ for Eva and Sonu Shivdasani
Soneva Fushi	2008 National Geographic Adventure Magazine The Top 50 Ecolodges – The Most Earth-Friendly Retreats in the World’s Most Spectacular Wilds
Soneva Fushi	Most Environmentally Friendly – Virtuoso Best of the Best Hotel Awards
2007-08	
Soneva*	2007 Recipient of Kuoni’s ‘Green Planet Award’
Soneva*	PATA Grand Award 2007 -- Environment -- Social and Environment Conscience programme
Soneva*	The World Travel & Tourism Council (WTTC) Finalist – Global Tourism Business Award, Tourism for Tomorrow Awards 2007
Soneva Fushi	2007 Winner of Virtuoso’s ‘Most Environmentally Friendly Resort Award’
Soneva Fushi	2007 Winner of PATA’s ‘Gold Award’ for the Soneva Nature Trip
Soneva Fushi	2007 Recipient of Kuoni’s ‘Green Planet Award’
Soneva Fushi	2007 Winner of ‘The President of Maldives’ Green Resort Award’
2006-07	
Soneva*	TTG Travel Awards 2006 Most Environmentally Friendly Travel Company of the Year
2005-06	
Soneva*	TTG Travel Awards 2005 Most Environmentally Friendly Travel Company of the Year
Soneva Fushi	2005 Winner of ‘The President of Maldives’ Green Resort Award’
2003 or before	
Soneva Fushi	2003 Winner of ‘The President of Maldives’ Green Leaf Award’ for the Soneva Nature Trip
Soneva Fushi	2000 Winner of ‘The President of Maldives’ Green Resort Award’

* Awards won under the previous trade name Six Senses Resorts & Spas

carbon footprint

Soneva had a total carbon footprint for 2013-14 of 36,698 tonnes CO₂. This represented a decrease of 12% on the 2008-09 baseline figure of 41,715 tonnes CO₂.

Guest and host air travel emissions represent the vast majority of Soneva emissions with 71% of the total, while energy emissions are the second largest contributor to the overall footprint with 19% of measured emissions. Remaining emissions account for 10% of the total carbon footprint seen in Figure 2.

The distribution of the total emissions is equal between the two resorts seen in Figure 3.

Per-resident-night comparisons

Another useful approach for comparing the carbon footprints of each property is to interpret the emissions through some measure of “per unit” emissions such as per-guest-night or per-guest-stay. The unit that we focus on most readily in our assessment of a resort’s emissions is the resort’s emissions *per-resident-night*. This is defined as:

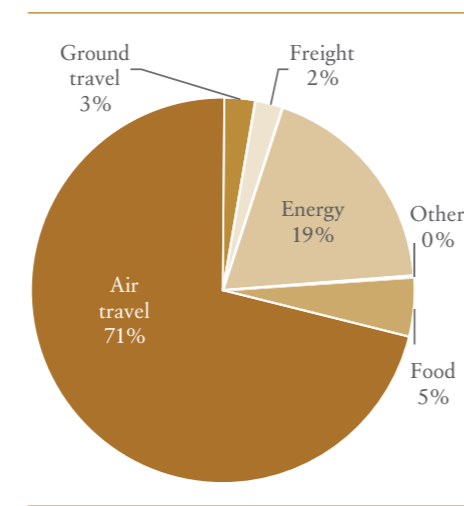
$$\frac{\text{Total carbon footprint}}{\text{Total guest nights} + \text{Total host nights}}$$

Table 1: Breakdown of 2013-14 emissions

Tonnes of CO ₂ unless	Scope 1	Scope 2	Scope 3							Totals		Per-resident-night		
			Air Travel	Ground Travel	Freight	Food	Waste	Paper	Water	Total emissions Scope 1&2	Total emissions Scope 1-3	Per-resident-night Scope 1&2 in kg	Per-resident-night Scope 1-3 in kg	Per-resident-night excl. air travel in kg
Resort	Resort direct energy consumpt.	Electricity imports												
Soneva Fushi	3,863	0	14,888	712	669	1,200	-63	10	0	3,863	17,416	22	119	36
Soneva Kiri	3,032	0	11,335	235	195	628	-9	5	0	3,032	11,335	30	152	40
Soneva*	6,895	0	26,223	947	863	1,827	-72	15	0	6,895	29,803	25	131	37

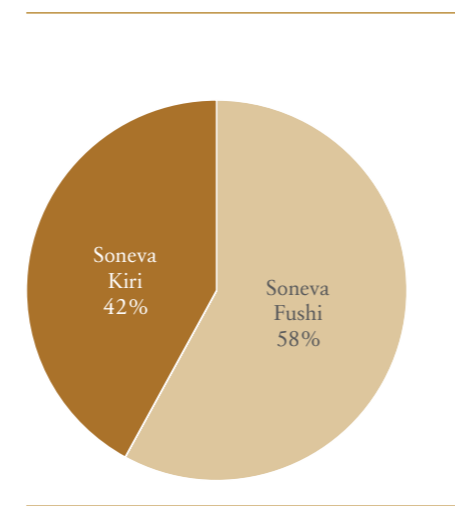
Source: Soneva Carbon Calculator

Figure 2: Soneva emissions by source



Source: Soneva Carbon Calculator

Figure 3: Soneva emissions by resort



Source: Soneva Carbon Calculator

The reason for favouring a per-resident-night measure is that the measure is relatively effective at neutralizing the impact of changing occupancy or host levels on the overall emissions picture. A per-resident-night approach also has an advantage over a per-guest-night perspective in that it neutralizes the impact of different resourcing policies and hosts residing on or off resort.

Table 1 provides a breakdown of emissions by source for each of the Soneva resorts. The columns furthest to the right of the table illustrate the emissions per-resident-night for each property.

Soneva had a footprint of 131 kgs CO₂ per-resident-night in 2013-14. Excluding air travel the carbon footprint per-resident-night for was only 37 kgs CO₂.

Emissions reductions

Soneva reduced its total carbon footprint by 12% against the baseline emissions in 2008-09.

The majority of these emissions increments were through lower air travel emissions, largely reflecting an increase in average length of stay at both properties.

Adjusting for the contribution of air travel emissions the overall performance of Soneva was neutral. On a per-resident-night basis (excluding air travel) emissions were the same as in 2008-09. If one considers only energy, Soneva emissions increased by 9% overall and 5% per-resident-night.

Table 2: Change in emissions relative to 2008-09 base-year

% change relative to 2008-09	Scope 1	Scope 2	Scope 3							Totals		Per-resident-night		
			Air Travel	Ground Travel	Freight	Food	Waste	Paper	Water	Total emissions Scope 1&2	Total emissions Scope 1-3	Per-resident-night Scope 1&2	Per-resident-night Scope 1-3	Per-resident-night excl. Air travel
Resort	Resort direct energy consumpt.	Electricity imports												
Soneva Fushi	+13%	0%	-21%	-3%	-7%	+23%	-256%	-11%	0%	+13%	-14%	+9%	-17%	+5%
Soneva Kiri	+4%	0%	-11%	-26%	+2%	-21%	0%	-33%	0%	+4%	-9%	0%	-13%	-7%
Soneva*	+9%	0%	-17%	-10%	-5%	+3%	-286%	-20%	0%	+9%	-12%	+5%	-15%	0%

Source: Soneva Carbon Calculator

Breakdown of 2013-14 emissions

Table 3: Breakdown of 2013-14 emissions

Scope	Source	Quantity	Unit	CO ₂ (kg/yr)	Percent of total resort emissions
Scope 1 (Direct emissions)	Energy consumption				
	Charcoal	19,412	kg	44,978	0.12%
	Methanol	7,427	L	9,507	0.03%
	Kerosene	3,570	L	9,032	0.02%
	Diesel for power consumption	2,451,427	L	6,569,823	17.90%
	Liquefied Petroleum Gas	86,272	kg	261,404	0.71%
Scope 2	Imported electricity from local electricity supplier	0	kWh	0	0%
Scope 3 (Indirect emissions)	Air travel				
	Long Haul International (>5,000km)	109,742,775	km	23,061,347	62.84%
	Medium Haul International (1,000-5,000km)	10,659,148	km	1,990,809	5.42%
	Short Haul International (<1,000km)	321,173	km	106,973	0.29%
	Jet Fuel (Seaplane)	420,392	L	1,063,593	2.90%
	Ground travel				
	Boat – Petrol	2,283	Hours	40	0.00%
	Boat – Diesel	7	Hours	0	0.00%
	Motorcycle/scooter	94,050	km	6,866	0.02%
	Diesel for transport	179,831	L	481,947	1.31%
	Gasoline for transport	197,768	L	457,833	1.25%
	Food				
	Non-vegetarian meals	843,305	Meals	1,475,783	4.02%
	Vegetarian meals	281,102	Meals	351,377	0.96%

Scope	Source	Quantity	Unit	CO ₂ (kg/yr)	Percent of total resort emissions
Scope 3 (Indirect emissions)	Freight				
	Air – Long Haul (>5,000km)	363,008	ton km	91,554	0.25%
	Air – Medium Haul (1,000-5,000km)	408,589	ton km	539,337	1.47%
	Air – Short Haul (<1,000km)	49,488	ton km	217,805	0.59%
	Ship	70,019	ton km	8,612	0.02%
	Paper				
	Office paper (0% recycled content)	42	kg	118	0.00%
	Office Paper (100% recycled content)	5,927	kg	10,609	0.03%
	Toilet paper / tissue paper / serviettes	3,906	kg	3,906	0.01%
	Waste				
	Landfill - mixed solid waste	217,725	kg	26,127	0.07%
	Organics dumped at sea	0	kg	0	0.00%
	Biochar produced	15,530	kg	-7,765	-0.02%
	Recycled food scraps (organic)	373,414	kg	-44,810	-0.12%
	Recycled garden waste	352,287	kg	3,523	0.01%
Recycled glass	21,643	kg	-1,948	-0.01%	
Recycled metal	15,756	kg	-22,689	-0.06%	
Recycled plastic	2,595	kg	-1,090	0.00%	
Recycled paper	21,694	kg	-22,996	-0.06%	
Water					
Rainwater collected		m ³	0	0.00%	
Deep well		m ³	0	0.00%	
On-site desalination	84,840	m ³	0	0.00%	
Total emissions for 2013-14				36,697,701	100%

Our methodology

The Soneva Carbon Footprint Report is modelled on the World Resources Institute / World Business Council for Sustainable Development (WRI/WBCSD) *Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard, Revised Edition*.

The Soneva Carbon Calculator collects and analyses emissions data from Soneva resort and spa properties and this information is then reported in an annual Carbon Inventory Report for each property.

Our operational boundaries

Soneva's operational inventory follows the 'control' approach and includes carbon emissions from sources over which it has operational control.

The GHG Protocol identifies three Scope categories for common classification and comparison of resort emissions:

- **Scope 1:** Direct Carbon Emissions from sources that are owned by resort/spa
- **Scope 2:** Indirect Carbon Emissions from the generation of purchased electricity
- **Scope 3:** Indirect Carbon Emissions that occur as a consequence of the activities of the resort/spa, but occur from sources not owned or controlled by the resort/spa

According to the Greenhouse Gas Protocol, Scopes 1 and 2 must be included in any carbon footprint assessment. The inclusion of Scope 3 emissions is optional and Soneva has opted to include it in our Carbon Footprint analysis. Carbon dioxide (CO₂) is the primary greenhouse gas that is included in this inventory. Other gases, such as CH₄ and N₂O are more minor contribution sources based on Soneva's activities and are included as part of the CO₂ results.

Inclusions and exclusions

- Emission sources are identified with reference to the methodology described in the GHG Protocol and the ISO 14064-1 (2006) standard.
- Soneva accounts for all of its direct and indirect emissions and no emissions have been intentionally omitted from this report.

Good practice

A number of good practice guidance documents are used in the calculations of the Soneva Carbon Footprint Report. These include:

- Greenhouse Gas Protocol Corporate Standard
- Guidelines to DEFRA's GHG Conversion Factors: Methodology Paper for Transport Emission Factors (2008)
- Environmental Defense Paper Calculator

- US-EPA Solid Waste Management and Greenhouse Gases: A Life-Cycle Assessment of Emissions and Sinks
- US-EPA – Direct Emissions from Mobile Combustion Sources

Note that for ease of general interpretation we have adopted a convention of ignoring the equivalence "e" in our presentation of emissions and merely refer to CO₂ emissions.

Base year selection

In order to set a reduction target and to measure performance against that target Soneva has set a base year which acts as a reference year against which to assess its progress reductions targets in the future years.

The base year has been established as the period July 2008 – June 2009. This period is in line with Soneva's financial year.

Data collection and quantification methodologies

Emissions factors

Each emissions source has an associated emissions factor which indicates the average emissions from the source relative to the intensity of that activity.

These emissions factors are used to derive estimates of greenhouse gas emissions based on the amount of fuel combusted on industrial production levels, distances travelled or similar activity data.

Emission factors assume a linear relation between the intensity of the activity and the emission resulting from this activity.

Table 4 on page 76 details the sources of the relevant data and the emissions factors which have been used. The volume of CO₂ emissions has been calculated by multiplying the activity data from the resort by Soneva by the relevant emissions factor.

Other assumptions

The following assumptions were made in calculating resort emissions:

- **Flights:** Precise routing was not known and estimated based on guest's country of residence. As a result, those flights were categorised as either short (<1,000 km), medium (1,001-5,000 km), or long (5,000 km+) haul. Distances were then estimated based on Carbon Foresight Flight Distance Calculator.
- **Seaplane** average occupancy assumed to be 15 passengers per flight (maximum capacity 16), in calculation of total flights from total passengers flown.
- **Soneva Kiri plane** emissions were calculated based on Jet A fuel consumption.

- **Gasoline/Petrol** was assumed to be used exclusively for vehicles and so was classified as ground travel combustion, Scope 3. This includes company owned boats, which could have been put in Scope 1.
- **Charcoal** is considered Residential/Commercial Coal with an emissions factor of 2.317 kg CO₂ / kg.
- **Canned Heat** is considered as methanol with an emissions factor of 1.28 kg CO₂ /L.
- **Water** desalination and pumping: energy use was already included in energy figures so desalination and water pumping does not have a specific carbon impact.
- **Laundry:** All laundry energy and water was already included in energy and water figures.
- **Freight:** At present freight is measured from source port to resort, but no account has been taken of the transport of the product from its place of origin. Work to improve the measurement and reporting of emissions from freight is ongoing.
- **Paper:** Recycled paper was considered to be made of 100% recycled content. Non-recycled paper was considered to contain 0% recycled fibres.
- **Food:** meals were estimated to be 25% vegetarian and 75% non-vegetarian. Each

meal was estimated as an average composite meal with its carbon impact estimated using the low carbon diet calculator (<http://www.eatlowcarbon.org/Carbon-Calculator.html>).

- The emissions from the properties' Six Senses Spas are included in the Carbon Footprint Inventory.

Quality Assurance

The data provided by Soneva Fushi and Soneva Kiri presented in this report was obtained under the supervision of Soneva Social & Environment Conscience and is assumed to be accurate and complete.

In many instances accurate measures of emissions are not possible, and estimates have had to be made. Soneva continues to strive towards improving the accuracy of its measurement and reporting.

This voluntary disclosure of our process and the calculation of our carbon emissions has been independently reviewed and verified by Orbis Carbon Management.



Table 4: Emissions factors used in estimating carbon footprint

Emission Source	Units	Emissions Factor	Factor Source
Air travel			
Long Haul International (>5,000km)	Ton km	0.1106 (0.211 with RFI of 1.9)*	DEFRA 2008. RFI DEFRA 2008
Medium Haul International (1,000-5,000km)	Ton km	0.0983 (0.187 with RFI of 1.9)*	DEFRA 2008. RFI DEFRA 2008
Short Haul International (<1,000km)	Ton km	0.1753 (0.331 with RFI of 1.9)*	DEFRA 2008. RFI DEFRA 2008
Jet Fuel (Seaplane)	L	2.53	EPA – Direct Emissions from Mobile Combustion Sources
Energy			
Diesel	L	2.68	EPA – Direct Emissions from Mobile Combustion Sources
Liquefied Petroleum Gas (LPG)	kg	3.03	EPA – Direct Emissions from Mobile Combustion Sources
Methanol (Canned Heat)	L	1.28	EPA – Direct Emissions from Mobile Combustion Sources
Coal – Residential/Commercial (Charcoal)	kg	2.317	California Climate Action Registry – General Reporting Protocol – v3. 1 Jan 2009
Ground Travel			
Car Large Diesel (approx >2L)	Km	0.264	carboncounted.com values
Car – Medium Diesel (approx 1.4-2L)	Km	0.188	carboncounted.com values
Car – Small Diesel (approx <1.4L)	Km	0.185	carboncounted.com values
Van (diesel, up to 3.5 tonnes)	Km	0.272	carboncounted.com values
Car Large Petrol/Gas (approx >2L)	Km	0.296	carboncounted.com values
Car – Medium Petrol/Gas (approx 1.4-2L)	Km	0.216	carboncounted.com values
Car – Small Petrol/Gas (approx <1.4L)	Km	0.185	carboncounted.com values
Van (petrol, up to 3.5 tonnes)	Km	0.272	carboncounted.com values
Motorbike – Small (Moped/Scooter - approx 120 c.c.)	Km	0.073	carboncounted.com values
Boat – Diesel (100hp) emissions per hour	Hours	17.56	carboncounted.com values
Boat – Petrol (100hp) emissions per hour	Hours	18.65	carboncounted.com values

* The Soneva Carbon Calculator includes a Radiative Forcing Indicator (RFI) to reflect the added global warming effect of greenhouse gases when emitted in the stratosphere.

Emission Source	Units	Emissions Factor	Factor Source
Freight			
Air – Long Haul (>5,000km)	Tonnes km	0.60	carboncounted.com values
Air – Medium Haul (1,000-5,000km)	Tonnes km	1.32	carboncounted.com values
Air – Short Haul (<1,000km)	Tonnes km	1.85	carboncounted.com values
Ship	Tonnes km	0.013	carboncounted.com values
Road: Truck	Tonnes km	0.123	carboncounted.com values
Food			
Non-vegetarian meals	each	0.00175	Estimate based on low carbon diet calculator
Vegetarian meals	each	0.00125	Estimate based on low carbon diet calculator
Waste			
Landfill – Mixed Solid Waste	kg	0.12	EPA Solid Waste Management and Greenhouse – Sept 2006, Exhibit 8-6
Organics dumped at sea	kg	0.06	EPA Solid Waste Management and Greenhouse – Sept 2006, Exhibit 8-8
Biochar Produced	kg	-0.6**	EPA Solid Waste Management and Greenhouse – Sept 2006, Exhibit 8-8
Recycled Food Scraps (Organic)	kg	-0.12**	EPA Solid Waste Management and Greenhouse – Sept 2006, Exhibit 8-8
Recycled Garden Waste	kg	0.01	EPA Solid Waste Management and Greenhouse – Sept 2006, Exhibit 8-8
Recycled Glass	kg	-0.09**	EPA Solid Waste Management and Greenhouse – Sept 2006, Exhibit 8-8
Recycled Metal	kg	-1.44**	EPA Solid Waste Management and Greenhouse – Sept 2006, Exhibit 8-8
Recycled Paper	kg	-1.06**	EPA Solid Waste Management and Greenhouse – Sept 2006, Exhibit 8-8
Recycled Plastic	kg	-0.42**	EPA Solid Waste Management and Greenhouse – Sept 2006, Exhibit 8-8
Water			
Collected Rainwater	m3	0	carboncounted.com values
Deep well	m ³	0	carboncounted.com values
Desalination	m ³	0	carboncounted.com values
Local Tap Water	m ³	0.03	carboncounted.com values
Paper			
Office paper (0% recycled content)	kg	2.844	Environmental Defence Fund Paper Calculator: papercalculator.org
Office Paper (100% recycled content)	kg	1.79	Environmental Defence Fund Paper Calculator: papercalculator.org
Toilet paper / tissue paper / serviettes	kg	1	Wuppertal Institute’s MIPS data tables.

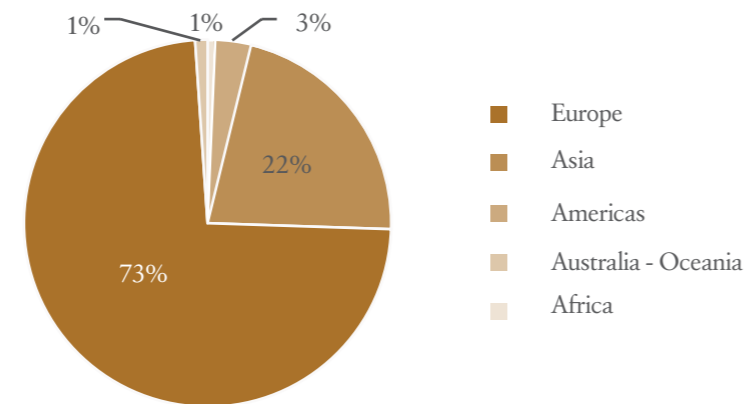
** Under the sign convention used in this report, the negative value indicates that emissions are improved as it represent the incremental change in GHG emissions involved in recycling or composting compared to landfill.

market

The majority of our guests are from Europe (73%) followed by Asia (22%), Americas (3%), Australia-Oceania (1%) and Africa (0.4%). This makes our resorts long haul destinations for most of these guests and it means that the environmental impact of our resorts begins before our guests arrive on our islands and continues after they leave.

Our resorts had 21,355 room nights from July 2013 – June 2014. We employ 700 Hosts. Our total revenue for fiscal July 2013 – June 2014 was US 31.8 million*.

* Revenue refers to Soneva Holdings Pte Limited



organisations we support

SLOW LIFE Foundation
WHOLE WORLD Water
Orbis Development Partners
Mercy Corps
Gold Standard Foundation
Impact Carbon
Potential Energy
MyClimate
Water Charity
Thirst Aid
Action Against Hunger

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www.thirst-aid.org
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The Converging World
Shark Savers
One Ocean Media Foundation
Diversity in Aquatics
Baa Atoll Resorts United (BAARU)
Baa Atoll UNESCO Biosphere Reserve Office
The Long Run
International Tourism Partnership
World Travel & Tourism Council

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www.tourismpartnership.org
www.wttc.org

This is Soneva's fourth Sustainability report. It follows Soneva's fiscal year from July-June. This brochure has been printed on 100% recycled FSC Certified Cocoon Offset paper with vegetable based ink. CO2 emissions incurred during printing have been offset through the SLOW LIFE Foundation. The brochure is also produced for online viewing. Photography by Adam Oswell, Antonina Gern, Bruno Aveillan, Cat Vinton, Dan Kulberg, Fabio Giungarelli, Herbert Ypma, Kieattipong Panchee, Jörg Sundermann, Robert Green, Paul Raeside, Sandro Bruecklmeier, Supakorn Aurprayoon, . Layout Artist: Sitida Neamsom Printed in Thailand Copyright © Soneva Resorts, Residences & Spas - 2014 Soneva Resorts, Soneva Fushi, Soneva Kiri, the Sun crest, are registered marks belonging to Soneva Resorts, Residences & Spas.



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