



# Annual Review 2016–17

Bioregional



Bioregional works with international partners to create better, more sustainable places to live, work and do business. Our vision is of a world where everyone, everywhere, lives happy, healthy lives within the limits of the planet. We call this One Planet Living.

**Cover** WGV at White Gum Valley is a highly sustainable, self-build development in the City of Fremantle, Western Australia. It became a One Planet Community in 2015. © Yolk Property

**As we reflect on the year, it strikes me that there are four core ingredients to our work in championing a better, more sustainable way to live.**



**Sue Riddlestone OBE**  
CEO & co-founder

*Sue Riddlestone*

### **We are our people**

I'm impressed every day by the dedication and ingenuity of the people who work at Bioregional. I hope you will enjoy getting to know some of my colleagues by reading about their highlights of the year in the first half of this document, our Annual Review of 2016/17.

### **Long-term partnerships are vital**

From our ongoing partnership with B&Q to our continued support for the UK's first eco-town and the alliances we've formed to develop and implement the UN Sustainable Development Goals, we know how much can be achieved through long-term collaboration.

### **We are entrepreneurs at heart**

BedZED, the UK's first mixed-use eco-village which we initiated and helped develop, turns 15 in 2017. After working alongside the project team to shape its development, we moved in – and have been here ever since. BedZED continues to be a great place to live and work, and to inspire communities around the world.

We're once more tapping into our entrepreneurial genes to play a leading role in developing new One Planet Communities in the UK, integrating approaches to enable sustainable – and truly affordable – homes.

### **We have a vision – and the practical tools to achieve it**

One Planet Living, the framework we developed from our BedZED learning, has proved a fantastic tool to drive and communicate sustainable change. So, we've started building a digital platform to rapidly scale up sustainable living. Combined with a new training offer, [oneplanet.net](http://oneplanet.net) will help make One Planet Living accessible to anyone, anywhere in the world.

On the second side of this review, you'll find our top ten tips for moving towards One Planet Living, illustrated by stories from some of our inspiring partners across the globe.



# 10 highlights from the year, as told by our team

Working across four continents, we are helping pioneering organisations create happy, healthy lives for everyone, within the limits of the planet.

To celebrate our achievements, we've invited some of our staff to share their highlights from the year.

# 1

After working closely with wildlife reserve Singita Serengeti since 2012, I'm delighted that its parent company Singita has committed to using One Planet Living across all its safari lodges in Southern Africa

**Ben Gill**

International Technical Manager  
for One Planet Communities



© Singita



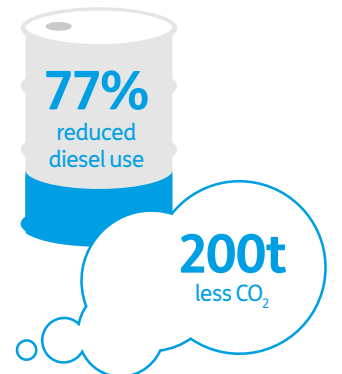
3888 solar panels and battery storage at Singita Kruger National Park have reduced diesel use by 77% in the first six months of 2017. This is an annual carbon saving of approximately 200t CO<sub>2</sub> – equivalent to taking 200 cars off the road.

## Creating a One Planet holiday in Southern Africa

Founded in 2003, Singita is a conservation company that combines environmentally conscious hospitality, wildlife conservation and community development to help protect over one million acres of wilderness across Africa.

Singita Serengeti has been using One Planet Living for the last five years to enhance and measure its sustainability efforts. It's had great success, particularly in encouraging the 800 staff that live onsite to enjoy happier, healthier lives within the limits of the planet.

So, it's been really exciting to work with Singita this year to train 40 staff and help create a One Planet Action Plan for all six of its lodges and two urban support offices in South Africa and Zimbabwe. This plan outlines ambitious targets across all ten One Planet Principles, which are already being put into action.



2

**I've enjoyed working with the new 'Global Founders' of our online platform. These five sustainability leaders are helping us accelerate change towards One Planet Living**

**Pooran Desai OBE**

International Director for One Planet Communities



## Scaling up sustainability with oneplanet.net

Since we launched One Planet Living in 2004, hundreds of companies, communities and organisations across 50 countries have used it to guide their sustainability efforts. But the pace of global change is not fast enough.

In 2016/17, we've been developing and beta testing our new digital platform, oneplanet.net. It's designed to enable anyone, anywhere, to use One Planet Living to create sustainability strategies, share them and compare them.

It's been fantastic to welcome five new Global Founders of oneplanet.net: Cundall, Feilden Clegg Bradley Studios, Integral Group, Sherwood Design Engineers and Urban Equation. As well as providing financial and technical support and advice on the development of oneplanet.net, these leading building design companies are proving powerful ambassadors for One Planet Living.

We plan to publicly launch the platform in 2018, enabling the creation of a global community collaborating to build a better, more sustainable future for all.

“““

What's really exciting about One Planet Living is its ability to change hearts as well as minds. It's a fantastic tool for making sustainability accessible to all. We are extremely proud to have joined as a Global Founder and encourage other like-minded firms to come on board.

**Kevin Hydes,**  
Integral Group

oneplanet.net  
has also been  
funded by Mark  
Leonard Trust  
and Purpose

3

**My highlight has been White Gum Valley (WGV), a One Planet Community and self-build development in Western Australia, galvanising developers and self-builders to use One Planet Living**

**Suzette Jackson**

Director of Bioregional Australia



## One Planet Living develops in Australia

WGV at White Gum Valley in Fremantle (Perth, WA) is a diverse development led by LandCorp, the Western Australian state government land development agency. With plenty of green space, it's designed to create a vibrant community of over 80 homes with a people-friendly, rather than car-dominated, layout.

As LandCorp is not building the units itself, it's got creative to achieve its One Planet targets. We've supported this by helping develop a One Planet Construction Charter for the site, as well as sustainability information packs for self-builders and new residents.

It's been great to see developers of the apartment blocks at WGV embrace One Planet Living as a result. One of these is York Property Group, which has a detailed One Planet Action Plan for its highly sustainable apartment block Evermore WGV.



**LandCorp has teamed up with the Australian Renewable Energy Agency to offer financial support for all self-builders and developers at WGV to install solar PV with battery storage.**

## Did you know?



Bioregional Australia Foundation was founded in 2012. As well as our headquarters at BedZED eco-village, Bioregional also has regional UK offices in Oxford, Brighton and Bristol and international representatives in North America, South Africa and Mexico.





4

**As the first residents move into Elmsbrook at NW Bicester, I've supported the drive to encourage sustainable travel at this One Planet Community**

**Suzannah Gore**  
Travel Plan Co-ordinator for Elmsbrook



© A2Dominion

### The road to sustainable travel at the UK's first eco-town

Led by developer A2Dominion, Elmsbrook is the first phase of 393 homes at the NW Bicester eco-town (near Oxford). Residents have now moved into the first 87 highly sustainable homes, with abundant green space and community facilities.

With its commitment to sustainability, A2Dominion aims to reduce trips made by car from the local average of 67.5% to 50%. I was recruited as the Travel Plan Co-ordinator for Elmsbrook to help residents and businesses wean themselves off fossil-fuelled cars.

So far, this has included:

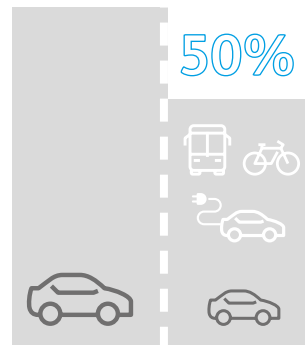
- Reviewing the bus service for NW Bicester, and encouraging residents to use it
- Holding an electric vehicle test-drive event
- Engaging four Elmsbrook residents as electric vehicle champions to share their experiences with their neighbours
- Understanding the barriers to cycling

We are also using the 'Shimmy' (a tablet computer issued to each household) for promoting sustainable transport options, like borrowing a Brompton folding bicycle or encouraging use of the E-Car club.

#### Did you know?

Our Bioregional Oxford team has worked in Bicester since 2012, collaborating with a range of partners to help deliver sustainable initiatives across the town. This has included work with A2Dominion to help the eco-town achieve its high sustainability standards.

67.5%



A2Dominion aims to reduce trips made by car from the local average of 67.5% to 50%

5

**Armed with my hard hat and a hard task, I've worked with partners to develop an innovative approach to helping new homes reach their energy-saving potential**

**Doug Drewniak**  
BEPIT Research Engineer



### Smashing the energy performance gap with BEPIT

Energy-efficient homes are urgently needed to tackle rising energy prices and cut carbon emissions. But the energy performance gap – the gap between the energy efficiency levels new homes are designed to achieve, and what they actually manage – is one of the construction industry's biggest headaches.

We decided to help tackle it by spending four years working with partners on a £1.3 million Innovate UK-funded project conducting real-life research at a large housebuilding project in Oxfordshire.

From our learning, we have developed the Building Energy Performance Improvement Toolkit (BEPIT) service for housebuilders to help optimise building performance. After launching the service with its own website in March 2017 ([www.bepit.org](http://www.bepit.org)), we've had lots of interest from housebuilders, architects and energy experts about how they can build it better with BEPIT.



Using BEPIT onsite has resulted in a 40% improvement in airtightness levels.

Our partners on this project were A2Dominion, Loughborough University, Willmott Dixon, PRP Architects and Silver DCC.



© Yolk Property

6

**I teamed up with our long-term partner B&Q to reveal how gardens in the UK are vital for our country's wildlife, and our own wellbeing**

**Nick Schoon**  
Writer and Researcher



## Conservation begins in your backyard

### The Nature of Gardens report with B&Q

We've been working with B&Q over the last decade, helping implement its One Planet Home strategy and monitor its progress. This year, B&Q also commissioned us to research and write an in-depth report on the value of UK gardens to nature.

As lead author, I spent several weeks reading over 100 reports and concluded that:

- Gardens are vital for Britain's declining wildlife
- Wildlife and nature are good for people's mental and physical health, and our gardens are one of the most important places where this happens.

Our findings were combined with the results from extensive B&Q-commissioned consumer research into people's attitudes towards wildlife in their gardens, plus a list of top ten tips for less experienced gardeners on how to support wildlife.

Launched in Spring 2017, The Nature of Gardens was endorsed by leading wildlife and gardening organisations including the Royal Horticultural Society and the RSPB.



# 10.9m

### In the media

B&Q's accompanying garden wildlife campaign was covered by more than 40 national and regional press titles, with a combined readership of more than 10.9 million people.



B&Q announced that to help protect our bees, it will stop using neonicotinoid pesticides from 2018 for all the flowering plants it sells



© B&Q

7

**I'm proud to have helped Nando's design one of the greenest restaurants in the UK, which achieved RICS SKA Gold – the highest possible sustainable fit-out rating**

**Anthony Probert**  
Sustainable Places Manager



© Nando's

## Recipe for sustainability

### Nando's new eco-restaurant

In the summer of 2015 we were visited by a Nando's team with a vision: to build its most sustainable restaurant on a piece of brownfield land in Cambridge. They wanted our thoughts on how they might achieve it.

To help them realise their ambitions, we worked with the team to focus on maximising sustainability across three main areas of design and build:

- Sustainable fit-out – including 100% FSC-certified and upcycled timber products, lampshades made from mushrooms, LED lights, low-flow taps and staff showers, and a heat recovery unit taking heat from the grill for hot water and heating
- Low-impact design – featuring a timber frame, Cumbrian sheep's wool for insulation, a wall and roof planted with greenery and 150m<sup>2</sup> of solar panels
- Green and local construction – with 95% of construction waste reused or recycled compared to an industry average of 67%, and a 20% reduction in vehicle movements onsite.

“““

It has been a pleasure working with Bioregional. The team's knowledge and rigour continue to keep us true on our sustainability journey. They were instrumental in our achievement of the SKA Gold standard.

**Henry Unwin**, Do the Right Thing Project Manager



8

**As more companies realise the environmental and financial benefits of the circular economy, I've enjoyed helping two of the UK's largest retail firms embed circular thinking in their business models**

**Hayley Baines-Buffery**  
Head of Sustainable Business



### Helping UK retailers lead the way with the circular economy

#### Marks & Spencer

We helped M&S create a common language to foster a clear internal understanding of circular thinking.

Building on this, we drew on cutting-edge circular economy practice to create four guidance documents across the retailer's different business units, including food and clothing. These outlined:

- The importance of circular thinking for M&S and its suppliers, from how products are designed to how materials can be recovered from customers and reused
- A framework for developing and testing new circular ways of working
- The business opportunities that circular thinking offers

#### Kingfisher

We've been working with Kingfisher for seven years on its sustainability programme, including helping define its targets, collecting and analysing data, and producing product criteria for its Sustainable Home Product guidelines.

In 2016 we developed a new set of principles for circular product design and a method to assess progress. These provide practical guidance for product developers and suppliers on using circular principles. So far, Kingfisher has identified three circular value chains to use the principles with.



easyGrow™ is one of B&Q's circular products

#### Did you know?

**The circular economy seeks to keep resources in use for as long as possible, extracting the maximum value while they are in use and recovering and regenerating materials once they can no longer be used.**

➤ **Check out:**  
**Our blog series shares how to get started on the circular economy:**  
[bit.ly/BioregionalCircularEconomy](http://bit.ly/BioregionalCircularEconomy)

9

**As part of Bioregional's work on the steering group of the UK Stakeholders for Sustainable Development (UKSSD), I helped co-ordinate an open letter to the UK Prime Minister**

**Emily Auckland**  
Network Director of UK Stakeholders for Sustainable Development (UKSSD)



### Supporting the Sustainable Development Goals in the UK

Bioregional has successfully worked with partners to lobby for the UN's Sustainable Development Goals (SDGs) since 2011. We built on this in 2015 by helping create UKSSD, which facilitates cross-sector collaboration to implement these global goals for a more sustainable UK.

The SDGs provide an exciting opportunity for the UK to tackle growing inequalities and environmental damage, including climate change. Our network of 70+ partners and over 700 friends are all helping to mobilise action.

Our open letter to the UK Prime Minister Theresa May was printed in The Times in January and was signed by over 80 British businesses including Unilever, Tesco, Mars, and Ikea. It called for the government to work with us to deliver the SDGs in the UK.

We were encouraged by the Prime Minister's response that government departments have a responsibility to deliver the SDGs, and to engage with businesses and organisations to do so, but we continue to call for more action.



# 550,000

At the UKSSD annual conference in March 2017 we reached over 550,000 Twitter users with our social media Thunderclap calling for people to show their support for the SDGs in the UK.



# 10

This year I've been inspired to hear how more people are finding out how One Planet Living can help create sustainable change in their communities, businesses and homes

**Julia Hawkins**  
Head of Communications and Policy



Staff at One Planet Destination Villages Nature® Paris learn about One Planet Living

## Reaching new people – spreading the word about One Planet Living

More people are learning about One Planet Living all the time. This year they've included business leaders in California's Silicon Valley; staff at new eco-resort Villages Nature® Paris; businesses and communities in UK cities – and of course, new online audiences.

The fact is, sustainable living isn't just possible – it's something we can all aspire to. So, as well as showing people how it can be done, this year we've continued to share the stories of some of the people who are championing One Planet Living in their workplaces, schools and communities.

Join us online – and share your story too

- @OnePlanetLiving
- @Bioregional
- facebook.com/OnePlanetLiving

## Spreading the word

More than 110 people received in-depth training in how to use One Planet Living to transform their sustainability efforts

# 110



# 4,440

We spoke about One Planet Living to 4,440 people at events, from conferences with real estate professionals to UN seminars

43,000 people are now living, working and visiting at businesses, communities and organisations with a deep commitment to One Planet Living

# 43,000



## One Planet Champions

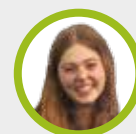


"While sustainability has been a part of my life for a long time, the One Planet framework has helped me think more practically about what changes I can make at home as well as in my job."



**Mark Taylor**  
Principal Consultant at Josh Byrne & Associates (Australia)

"One Planet Living has become one of the most exciting and vital programs at our school, in part because it affects so many different aspects of life and people feel compelled to participate."



**Amelia Malpas**  
Student at Credo High School (California)

"One Planet Living is really easy for people to understand – we have one planet, not two or three! Communicating a complex subject simply makes it different from other frameworks and helps win hearts as well as minds."



**Amie Shuttleworth**  
Global Head of Sustainability at Cundall (Hong Kong)

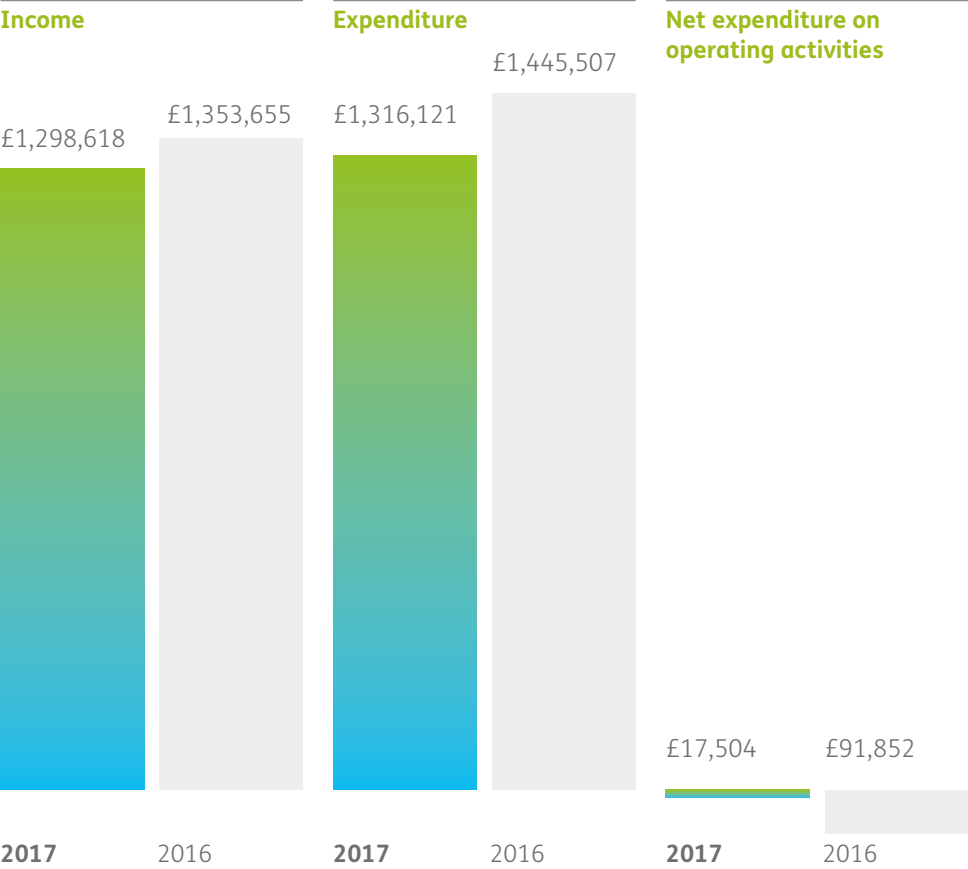


# Financial report

## 2016–17

Bioregional generated income of £1,298,618 against £1,353,655 in the previous year. Total expenditure for the year amounted to £1,316,122 (2016: £1,445,507), a decrease of £129,385 compared to the previous year. The net result of the charity for the year is an operating deficit of £17,504 (2016: £91,852). During this period, we have continued to invest in our digital platform for One Planet Living, oneplanet.net. We are confident that oneplanet.net will increase our impact and generate income from training, advisory services and membership of the online platform. We also continued our search for another site to develop our third One Planet Community.

The free reserves balance (which is calculated as unrestricted funds excluding designated funds and fixed assets) at the 31st of March 2017 for the charity is £554,260 (2016: £632,527). This is equivalent to 6.7 months (2016: 6.8 months) of unrestricted expenditure.



	Unrestricted Funds £	Restricted Funds £	Totals 2017 £	Totals 2016 £
<b>Income</b>				
Donations and grants	1,302	6,220	7,522	37,601
<b>Income from charitable activities:</b>				
Primary purpose trading income	968,527	-	968,527	970,330
Charitable activities	-	313,529	313,529	331,197
Income from Investment income	550	-	550	952
Other income	8,490	-	8,490	13,575
<b>Total income</b>	<b>978,869</b>	<b>319,749</b>	<b>1,298,618</b>	<b>1,353,655</b>

<b>Expenditure</b>				
Charitable activities	999,973	316,149	1,316,122	1,445,507
<b>Total expenditure</b>	<b>999,973</b>	<b>316,149</b>	<b>1,316,122</b>	<b>1,445,507</b>

<b>Net expenditure on operating activities</b>	<b>(21,104)</b>	<b>3,600</b>	<b>(17,504)</b>	<b>(91,852)</b>
Fund balances at 1 April	671,431	-	671,431	763,283
<b>Fund balances at 31 March</b>	<b>650,327</b>	<b>3,600</b>	<b>653,927</b>	<b>671,431</b>



Income from Investment income  
 Donations and grants  
 Other income  
 Charitable activities  
 Primary purpose trading income

# Bioregional's funders and partners

**Our work would not be possible without the support  
of our partners and funders. Thank you**

A2Dominion Developments  
B&Q  
Build Green Solutions / Urban  
Equation  
Cherwell District Council  
City of Fremantle  
Clean Energy Prospector  
Coévolution s.à r.l.  
Cundall  
Feilden Clegg Bradley Studios  
Folkestone Harbour (GP)  
Futerra Sustainability  
Communications  
Government of Finland  
Green Soluce  
GREENWOODS – Ecoresorts  
Empreendimentos  
Grumeti Reserves  
Imbera SA de CV  
Integral Group  
Intu / Broadmarsh Retail  
Kingfisher  
London Borough of Lambeth  
Landcorp  
London Borough of Sutton  
Marks and Spencer  
St Mungo's  
Newhaven Town Council  
One Brighton Energy Services  
Oxfordshire Community Foundation  
Price Piltzer Yawitz Architects

Sherwood Design Engineers  
Singita  
Skanska Sverige  
SOMO Village  
South Oxfordshire District Council  
Sutton Centre for the Voluntary  
Sector (SCVS)  
Universal Paragon Corporation  
Vale of White Horse District Council  
Les Villages Nature de Val d'Europe  
SAS  
White Horse Federation  
Windmill Dream Ontario Holdings  
The Green Growth Platform  
Joseph Rowntree Charitable Trust  
Innovate UK  
Good Energy  
WWF UK  
Purpose  
Mark Leonard Trust  
Urban Community Energy Fund  
John and Susan Bowers Fund  
Pooran Desai OBE  
PPP Agency  
Cushman & Wakefield LLP  
The Heschel Center for  
Sustainability  
University of Cambridge  
University of Exeter  
Transition by Design  
KTH Royal Institute of Technology

## Bioregional

[www.bioregional.com](http://www.bioregional.com)  
[info@bioregional.com](mailto:info@bioregional.com)

[@Bioregional](https://twitter.com/Bioregional)  
[@OnePlanetLiving](https://twitter.com/OnePlanetLiving)  
[Facebook.com/OnePlanetLiving](https://www.facebook.com/OnePlanetLiving)

London / Brighton / Oxford in the UK  
North America / Australia  
South Africa / Mexico

### Bioregional patrons

Kevin McCloud MBE  
Patron for the Built Environment

Professor Sir Ghilleen Prance FRS  
Patron for the Natural Environment





# Ten tips for moving towards One Planet Living

Bioregional





# Moving towards One Planet Living can seem daunting. It doesn't have to be.

We have met hundreds of individuals, businesses and communities making achievable changes and benefiting from healthier, happier lives that also help protect the planet.

## 10 tips

Check out our ten tips for moving towards One Planet Living, illustrated with real-life stories.



Health and happiness



Equity and local economy



Culture and community



Land and nature



Sustainable water



Local and sustainable food



Travel and transport



Materials and products



Zero waste



Zero carbon energy





## Health and happiness



### Tip 1

Make it easy to choose good food, exercise, and time to socialise – and watch as wellbeing starts to improve



## Singita Serengeti: Wellbeing in the workplace

Engaging over 250 of its employees, Singita Serengeti's 'health month' made exercising and healthy eating accessible to everyone

With over 800 staff at Singita Serengeti, a wildlife reserve in Tanzania, this One Planet Community runs regular events to promote One Planet Living and supports its staff to live happier, healthier lives.

Its 'health month' in February 2017 was designed to promote the benefits of healthy living by:

- Providing exercise options available every day of the week, from running, walking, cycling and yoga to volleyball, weightlifting, soccer and rugby
- Sharing healthy eating tips, including menus that listed calories per meal (all materials were provided in English and Swahili)
- Offering lemon and cucumber water instead of sugary drinks in the canteen
- Showing inspiring TED talks



Health month helped me access information about healthy eating and getting fit. I made some changes to my diet and took part in the weightlifting classes, and lost six kilograms! I have more energy and feel much healthier.

Joseph Malenya

## City of Fremantle: Right on the money

With its commitment to creating a One Planet lifestyle for its residents, businesses and council staff, the City of Fremantle wants local enterprises to flourish

The City of Fremantle (Perth, Western Australia) became a One Planet City in 2015 with its long-standing mission to protect the planet and make the city a better place to live for its 30,000 residents.

In 2016, as part of its work towards One Planet Living, the council teamed up with crowdfunding platform Start Some Good to help local sustainable start-ups. Over \$85,500 was provided

to eight projects through this One Planet 'FreoMatch' scheme.

One project, LifeCykel, is an urban farm using waste coffee grounds to grow gourmet mushrooms for local restaurants. Tackling the carbon impact of sending coffee to landfill as well as growing local food, this thriving enterprise has already set up another two farms in Victoria and Queensland.



We're not going to become a sustainable council just by planting trees. Sustainability is also about community and having that conversation about what kind of place we want to be."

Brad Pettitt,  
Mayor of Fremantle



## Equity and local economy



### Tip 2

Create jobs and prosperity in your community by supporting local businesses, rather than global companies



© LifeCykel



## Culture and community



### Tip 3

Encourage a sense of community and neighbourliness by making space for people to connect with one another



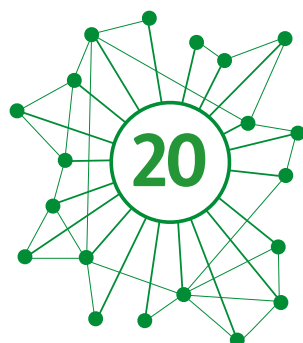
## BedZED eco-village: Everybody needs good neighbours

As BedZED eco-village in South London reaches its 15th birthday, it seems apt to celebrate what residents say is its biggest success: the sense of community

With its traffic-free streets, large communal green field and community pavilion, BedZED encourages children to play and adults to chat. Many residents remark that the feeling of community is what makes the development special.

But that's not to say that only communities that

feature shared spaces can create these benefits. BedZED residents also get talking through an email group to share resources like children's toys and DIY tools, and run regular community events like barbecues and street parties. These can easily be done in a variety of settings.



People living at BedZED know around 20 neighbours by name, compared to a local average of eight.





Villages Nature® Paris  
Natural talent

Opening in September 2017, Villages Nature® Paris, a ground-breaking sustainable tourism destination, is proving very good natured

Over the last decade, Euro Disney S.C.A. and Pierre et Vacances – Center Parcs Group have been working together to create a holiday destination that offers a new form of holiday: one that connects its guests with nature, while minimising its impact on the natural environment.

One of its One Planet targets is to make the

site ‘biodiversity positive’ – in other words, actively supporting an increase in wildlife. With over 430,000 plants and 28,800 trees planted during construction, the destination has already attracted three new species of bird: the Little Ringed Plover, the Common Tern and the Common Greenshank.

Land and nature

Tip 4

Don't just prevent damage to our natural world, help it thrive



© Villages Nature Paris/Ludovic Lecouster

“““

As a leisure destination, we want to merge large-scale tourism with sustainability to inspire people to live in harmony with nature. We aim to help our guests create an emotional bond with nature, with plenty of green space for them to explore and enjoy.”

Olivier Robin, Director of Operations at Villages Nature® Paris

During construction, there was zero impact on the 72 protected species onsite.

Sustainable water

Tip 5

From droughts and flooding to pollution, water issues will be specific to your local area – so consider how you can have the most impact



© Credo High School

Credo High School:  
Sea change

With its engaged and energetic One Planet Leadership team of students, Credo High School in California holds regular ‘surf and beach clean-up’ days

Credo High School is using One Planet Living to embed sustainability throughout its campus, community and curriculum, with a committed group of passionate young students leading the way. Each One Planet Principle has several champions who co-ordinate a range of activities.

As part of their work on sustainable water, the students have been helping clean up the local beach by collecting rubbish. The local surf shop appreciates these efforts and provides the students with a discount on surf rentals so they can enjoy catching the (cleaner) waves for the rest of the day.

“““

Particles of plastic are everywhere in our oceans and they are harmful to wildlife and human health. By cleaning up waste from our local beach, Credo students are helping protect one of the most at-risk and valuable ecosystems: our oceans.

Bailey Holland, Sustainable Water Captain (12th Grade)





## Local and sustainable food



### Tip 6

Make a dent in your food footprint by cutting out meat a few times a week – your health will benefit too



Even the Hong Kong office (a meat-loving team) went out for a veggie lunch, which was definitely outside their comfort zone. We wouldn't have done this without One Planet Living and it was inspiring to see so many people get stuck in.

**Amie Shuttleworth**, Global Sustainability at Cundall

## Cundall: Carnivore's challenge

Cundall, an international engineering consultancy and One Planet Company, challenged its 750 staff around the world to a meat-free week

Cundall's journey towards One Planet Living involves action on waste, water use and reducing carbon emissions. But the firm doesn't forget the importance of engaging its staff with the steps they can take as well.

In 2016, employees at its global offices – including London, Sydney and Hong Kong – were encouraged

to go veggie for a week and share their recipes (and photos), with the best winning a vegetarian cookbook.

This was just the starting point – Cundall now seeks to be 100% meat free at all its events, including its many thought-leadership seminars and internal conferences.



According to Meat-Free Day, a company of 500 people going veggie for one day is the carbon-saving equivalent of six return flights from London to Zurich.



## One Brighton: The path less travelled

The One Brighton apartment complex made history in 2008 by becoming the UK's largest private-car free development

One Brighton comprises two highly sustainable apartment buildings of 172 homes at the heart of this UK south-coast city. Developed in partnership between leading UK housebuilder Crest Nicholson and Bioregional Quintain, it drew on the lessons from Bioregional's experience with the BedZED eco-village.

With no parking available aside from nine spaces for disabled parking and

five for car-club vehicles, sustainable transport options are well signposted. The train station is less than five minutes' walk, there are excellent bus links, and ample, secure bicycle storage.

An onsite car club was also provided, with residents offered two years' free membership. Many residents reported feeling fitter and healthier without their cars.



I was able to give up my car because we live opposite the train station (the location was a brilliant choice). I joined the City Car Club for the rare occasions when I really do need a car. I wouldn't have done it without the introductory incentive."

**A One Brighton resident**

## Travel and transport



### Tip 7

Make low-impact travel the new normal with cycling facilities, information about public transport, car-sharing and car clubs





## Materials and products



### Tip 8

Achieving a circular economy will be a gradual process – try some pilot projects to help you test ideas and identify opportunities for wider transformation



## Kingfisher plc: Closing the circle

Kingfisher plc, B&Q's parent company, achieved 28% of its sales from sustainable products in 2016, representing £3.1bn in revenue

818 of B&Q's products now have 'closed-loop credentials'. This means they are made from recycled or renewable materials and use only renewable energy in their manufacture and use. For example, Pro Grow is a peat-free compost created from garden waste.

Kingfisher has also estimated that its energy-saving products have reduced its customer bills by a staggering £840 million a year - helping them create warmer, more comfortable homes in the process.

## £3.1 bn

28% of its sales from sustainable products in 2016, representing £3.1bn in revenue



By offering Sustainable Home Products, we are responding to customer needs by making homes cheaper to run, more comfortable and healthy to live in. We have a great opportunity to make a difference to the lives of millions of people.

**Arja Taaveniku**, Chief Offer and Supply Chain Officer, Kingfisher



## B&Q:

### Waste not, want not

B&Q, the UK's leading home improvement retailer, has reduced its total waste by 34% and is diverting 99% of this from landfill

Over the last ten years, Bioregional has worked with B&Q to help the retailer use One Planet Living to drive its sustainability efforts. As part of its commitment to zero waste, it seeks to reduce and re-use waste and recycles what's left.

Its pioneering 'green pallet scheme' was designed to fill a gap in the market as B&Q noticed that its

products didn't suit the 'one size fits all' pallets available. Teaming up with Scott Pallets, it now offers returnable pallets in bespoke sizes, made from responsibly sourced timber.

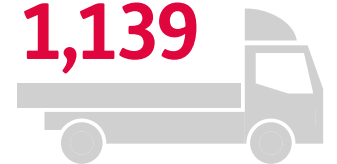
As well as winning two awards the scheme has attracted a lot of attention and was called 'a potential industry game changer' by edie.net, a leading trade publication.

## 322,316



sustainably sourced pallets have been reused, saving 12,170m³ of timber and removing 1,139 lorry trips

## 1,139



## Zero waste



### Tip 9

Prioritise reducing and re-using before recycling and think about waste as a resource





## Zero carbon energy



### Tip 10

Look at the big picture: from renewable power and energy-efficient appliances to communal forms of heating, there are many ways to move towards zero carbon energy



© A2Dominion

### Elmsbrook, NW Bicester: Going for zero

NW Bicester, the UK's first eco-town, is pushing the envelope on how developments in the UK can provide comfy homes with low carbon footprints

Elmsbrook is the first 393-home phase of NW Bicester and a One Planet Community, with a sustainability action plan endorsed by Bioregional. It's designed to show how to build a great place to live with a strong community spirit, while protecting the planet for future generations.

All homes will be 'true zero carbon.' This means they minimise the energy used

by the house to create heat and light, as well as the energy that will be used by the people who live there – such as TVs, laptops, and other electronic household goods.

Electricity will be generated from solar pv panels on every well-insulated home, while a home 'dashboard' will raise householders' awareness of energy consumption.



With solar panels on every roof, Elmsbrook will have the UK's largest residential solar array when completed.

