



# THE EDEN PROJECT

Annual Review 2016/2017





## CHAIRMAN'S LETTER by Edward Benthall



The Eden Project in Cornwall, an educational charity and social enterprise, aims to connect people with each other and the living world.

The Eden Project has been telling its stories to a steadily growing audience. Like all the best stories, ours have many voices. They are vivid and intimate, with a sweeping compass and a compelling energy. They tell of man's evolving relationship with the natural world. They question our relationship with our fellow man.

What you hear as you zigzag through the gardens and the Biomes, the art and the architecture, the classrooms and the cafés, may be a different story every day because every day is different. The plants change with the seasons, of course, and the events and activities dreamed up by our extraordinarily creative team are designed to surprise and enthrall. Our visitors become part of the stories and contribute to their telling.

The common thread that runs throughout is a search for balance. The lessons of science – botany, ecology, anthropology, sociology – are that a new equilibrium is needed. At Eden, we encourage people, young and old, to observe, listen, share and respect. This is what we mean by education and it is the best way, we think, to find that balance.

We help people to imagine a better way to live, sustainably, within the confines of our remarkable planet and we achieve this partly by our own actions. The Eden Project is a symbol as well as a practical demonstration of the potential for transformation, but we re-examine constantly our capacity to transform. This report highlights some of the many ways in which we do so.

A handwritten signature in black ink, appearing to read 'Edward Benthall'.

Edward Benthall, Eden Trustee and Chairman of the Eden Trust

## INTRODUCTION by Gordon Seabright

Visitors to the Eden Project are greeted by a sign: 'We are ordinary people trying to change the world. Join us.' An increasing number of people are doing just that, either informally with the actions they take in their communities, homes and workplaces, or more formally by becoming Members of the Eden Project.



Eden's purpose is to connect people with each other and the living world, and for the past two years we have been following a strategic framework intended to ensure that we focus on the priorities agreed by our Trustees and Directors in 2015. We have made great strides during this period, building a resilient platform from which Eden has begun its latest phase, investing in our Cornish home, beginning to make our ambitions as an educational charity a reality, tackling issues of community cohesion and loneliness and, importantly, working towards the creation of new Edens across the world. Eden has been transformed and we look forward with great confidence.

This report highlights some of our achievements during 2016–17. We delivered our fourth consecutive year of growing visitor numbers, including the busiest December Eden has ever enjoyed. This growth helped us invest in the Project, with resources focused on new and exciting exhibits such as the Weather Maker and the increasingly beautiful Bright Sparks planting of *Kniphofia*, increasing resilience through behind-the-scenes capital projects, and training our people through initiatives such as Eden Connections. The launch of our Life Sciences agenda and programmes such as Little Eden and Deep Roots, New Shoots, signalled our intent to connect new audiences of all ages with the living world, and we brought our community programmes together under the single banner of Eden Communities to help fulfil our promise to connect people with each other.

Thank you for reading our annual review, and for your interest in our work. And if you share our passion for making a positive difference, join us!

Gordon Seabright, Chief Executive, Eden Project Ltd

# The Eden Project is a charity. We are ordinary people trying to change the world. Join us.

eden project



This project is  
part-financed by  
the European Union



Working with Objective One

The Objective One Partnership  
for Cornwall and Scilly

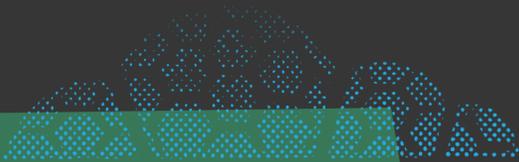


Millennium Commission  
LITTERY FUNDED



South West of England  
Regional Development Agency

The Eden Project is home to the Eden  
Trust – Registered charity no. 1093070



# CONTENTS PAGE

- 2 **Chairman's letter** by Edward Benthall
- 3 **Introduction** by Gordon Seabright, Chief Executive, Eden Project Ltd
- 5 **Vital and growing**
- 10 **Horticulture at Eden**
- 13 **Transformation: it's in our nature**
- 20 **Eden educates**
- 23 **Life sciences at Eden**
- 26 **Eden Project Membership**
- 27 **Reporting**
- 30 **Future plans**
- 36 **Afterword** by Sir Tim Smit, Executive Vice Chairman & Co-Founder, Eden Project
- 37 **Thanks to our supporters**
- 38 **Directors and trustees**



# VITAL AND GROWING

For almost 20 years, Cornwall has been home to a scientific visitor destination with an international reputation.

Here, a collection of the most useful plants to humanity provides the stage set and cultural platform to showcase our dependence on the natural world. Eden's exhibits, events and education programmes explore ideas and approaches that could shape a sustainable future for all.

Vital and growing

# RAINFOREST CANOPY WALKWAY

The Weather Maker, the latest phase of the Rainforest Canopy Walkway, was launched in March 2017 accompanied by a weekend of activities.

Developed with academic support from the Met Office and the University of Exeter, it enables visitors to explore the canopy's hidden secrets. They can now trek across an aerial rope bridge, shelter from tropical rain and pass through clouds, experiencing how rainforests affect weather and regulate the climate and understand why the conservation of the world's rainforests is vital for all of our futures.

This latest stage of the Canopy Walkway has been designed and delivered by Blue Forest, Tate Harmer Architects, John Grimes Partnership, Ward Williams Associates, Ease and the Eden Project Rainforest Canopy Walkway project team.

The Canopy Walkway has been supported by a number of educational and scientific foundations and individuals, including the Garfield Weston Foundation, Bunzl plc, The Kirby Laing Foundation and donors to the Eddie George Memorial Appeal as well as donations from Eden Project Members and visitors.

'Once again the team at Eden have done a stunning job. Not only can visitors enjoy a unique perspective on the forest from above, they can also learn about the vital scientific research into rainforests and climate.'

**Professor Richard Betts, Climate Scientist at the University of Exeter and the Met Office.**

Vital and growing

# THE LIGHT FANTASTIC

Working with creative partners Edenlab and renowned light artist Chris Levine, Eden launched a brand-new Festival of Light and Sound in December 2016 alongside our traditional winter season activities, Father Christmas and ice-skating.

The spectacle combined dramatic laser displays and light projections with beautifully choreographed performances showcasing the talents of Cornish vocalists and musicians.

The Festival generated huge word of mouth amongst the local audience, particularly on social media channels, resulting in very successful visitor figures overall. Marketing support capitalised on this, complementing the traditional outdoor poster advertising with increased investment in digital channels, using a specially created video promotional trailer for the event. The trailer on Facebook alone reached over 250,000 people across Cornwall and Devon, with almost one third of them engaging with the advert – either commenting or sharing to their own Facebook networks.

- **20,000 increase in visitors during the Christmas holiday season – the highest number of visitors in December since opening**
- **Overall satisfaction for the light and sound experience within the Med Biome was 98% ‘excellent or good’**
- **97% of the visitors said that they would recommend the Festival of Light and Sound to friends and family**

‘It was probably one of the best events we have been to.’

‘The experience was magical.’



Vital and growing

## RELAXED SESSIONS

**The Eden Project prides itself on being an inclusive visitor attraction.**

We work with the Sensory Trust to ensure that Eden is accessible to everyone. Following the demand for our first Relaxed Sessions at Christmas 2015 we developed our first summer Relaxed Sessions for Dinosaur Uprising in 2016. The sessions were designed for children with autism spectrum condition, sensory and communication needs or learning disabilities who might benefit from a more informal experience and were run on Friday and Saturday mornings before the Eden site opened to the rest of the public. The children had the chance to enjoy the main exhibition at their own pace in a calmer environment – as well as meeting the dinosaurs.

VisitEngland – winner best visitor attraction for inclusivity 2017

Gold award for Access and Inclusivity at the South West Tourism Excellence Awards

Cornwall Tourism Awards – Best visitor attraction for Access and Inclusivity.



Vital and growing

## WOW WEEKENDS

**In January, our series of weekend events for families themed around science got the year off with a bang.**

Devised to help gather momentum for the launch of Invisible Worlds in 2018, each WOW Weekend explored a different aspect of science. 'Far-out Forces' investigated physics and meteorology; the Met Office demonstrated how to make a tornado in a bottle and predict storms, 'Amazing Space' explored the universe and how to get out there. 'Mighty Microbes' featured the minuscule marvels that make the world go round.



Vital and growing

## THERE'S NO ESCAPE

**This year saw Eden launch its first Escape Room: Alien Escape.**

Escape Rooms are problem-solving physical adventure games in which teams work against the clock to solve a series of puzzles to escape a room, or series of rooms. Recognising the potential of escape rooms as a science communication tool, Eden created a scenario in which teams were tasked to create an immune system for an alien who had crash-landed on Earth. Alien Escape was devised by Eden with the help of one of the country's top escape room design teams, the Tom Sawyer Effect, who were behind London's premier escape game Time Run and The Crystal Maze live and supported by the Wellcome Trust. Of those taking part, over half were from non-STEM backgrounds (science, technology, engineering and maths) and over a third wouldn't normally seek out science-based activities. Eighty-nine percent of participants said they would recommend it to friends and family.



Vital and growing

## OUT TO LUNCH

**The Eden Project came top of a new league table ranking the health of food served to children and families in the UK's most popular visitor attractions in 2016.**

The Soil Association's Out to Lunch survey employed a team of 'secret diner' parents who gave Eden glowing reports for its food and dining experience. All the attractions were ranked on the following criteria, food you can trust, healthy choice for children, healthy choice for adults, healthy choice attraction and eating experience, to give an overall score.

'The Eden Project is a great place to visit, you learn so much, particularly about food! It was great for our six-year-old to see fruit growing on trees. There was information on display about fair trade, organic growing and recycling. You could even watch the food being cooked and the waste being sorted and recycled, instead of being dumped into bins.'

Out to Lunch Secret Diner.

Vital and growing

## HORTICULTURE AT EDEN

Eden, as a great garden, is always working to improve the quality of the garden as a visitor resource, as an educational resource and as a venue for research and conservation.

2016 was characterised by significant improvements to the garden and estates, and particularly as preparation for major garden openings in 2017 (south western Australia and the renovation of the ZigZag path). A huge effort was made by the whole team to make the Rainforest Biome beautiful again after the Walkway works this winter.



Vital and growing - Horticulture at Eden  
**MAKES SCENTS**

This year, inspired by Moorish gardens of old such as Al Andalus in southern Spain, Eden has created a new Perfume Garden, laid in a geometrically shaped courtyard near the entrance to the Mediterranean Biome.

It features a pathway across a terracotta-tiled floor with a giant urn as a centrepiece and a range of blossoming fragrant potted herbs and plants for visitors to touch and smell as they walk through the garden. The fragrances will change with the seasons, with different plants blooming through the year to create a series of beautiful bouquets.





Vital and growing - Horticulture at Eden  
**BRIGHT SPARKS**

In March 2016 Eden's gardeners planted Bright Sparks, a display of Kniphofia or red-hot pokers.

Sitting opposite the Core building, the display is called Bright Sparks because of the forms and colours of the planting as well as the involvement of our own 'bright sparks' – our young horticulture apprentices. Currently numbering around 85 species and cultivars, the ambition is to increase that number to 125 and establish it as a national collection.



# TRANSFORMATION: IT'S IN OUR NATURE

We believe it's vital that people understand that humans depend on the living world and recognise the need to work together to solve the problems that face us.

These issues are complex, and Eden has always engaged with the widest audience possible in a way that enables them to be taken on board as easily as possible. Behind the scenes, we run engagement programmes and research projects that provide people across the UK with a better understanding of the world they live in and how they can help change it for

**the big lunch**  
an eden project



**BIG LOTTERY FUND**  
LOTTERY FUNDED

7.3 million people attended a Big Lunch in 2016.

Big Lunch Extras participants April 2016

Transformation: it's in our nature

## **CONNECTING COMMUNITIES**

Eden recognises the value of community-led activism and has been supporting communities through its programmes. Community engagement is at the forefront of our work, through programmes like the Big Lunch (now in its seventh year) and through grass-roots initiatives and pilot projects.

Through our Big Lunch and Big Lunch Extras programmes, we have assembled a growing cadre of people who work at grass-roots level in the heart of their communities to create real change. We are building on that successful legacy, and want to go further by developing a broader and deeper community engagement programme that allows people to work together to transform communities across the UK. In 2016, all of our community outreach work was brought together under a single brand: Eden Project Communities.

In 2016, we ran our last Big Lunch Extras camp and reorganised ourselves to begin work on a series of new programmes which took the learning from the Big Lunch Extras programme and incorporated it within a wider programme of activities and research and development projects.

[edenprojectcommunities.com](http://edenprojectcommunities.com)



Transformation: it's in our nature - Connecting Communities  
**EDEN ON PRESCRIPTION**

Working in partnership with St Austell Healthcare, a GP practice of 32,000 patients, and Age UK Cornwall and the Isles of Scilly we have developed five weekly activities that aim to encourage individuals to manage their health and well-being through connecting to nature and other people. These include walking groups for people with COPD and diabetes, a horticultural therapy group and a lunch club.

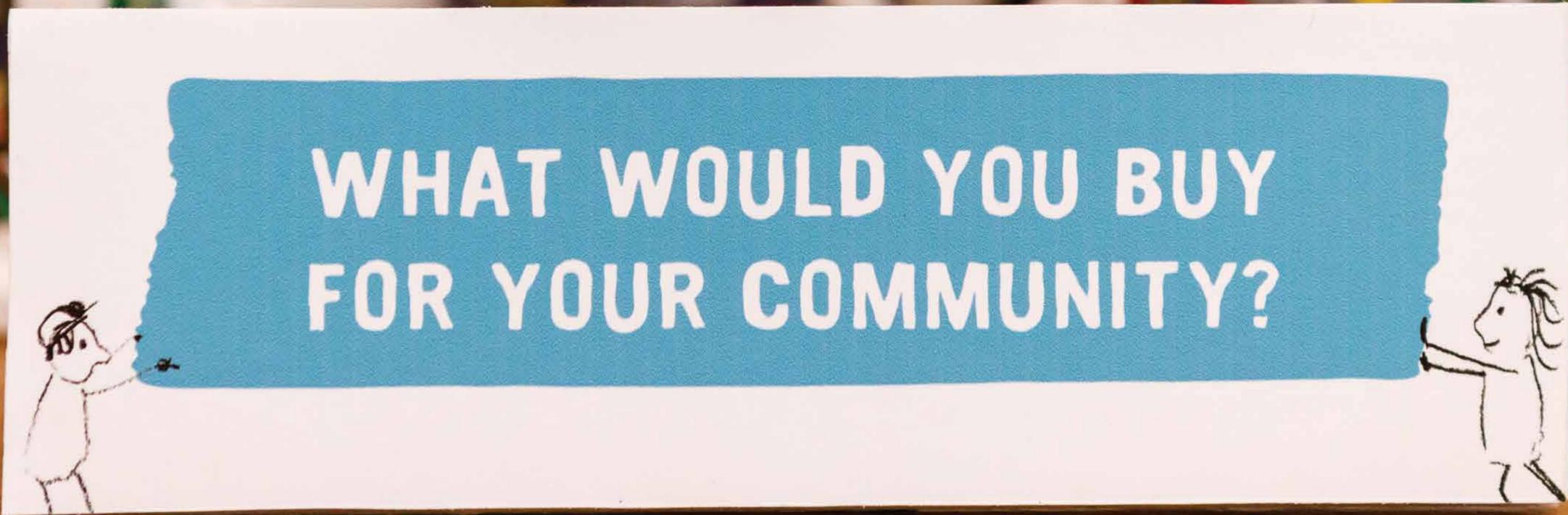
Transformation: it's in our nature - Connecting Communities  
**SHARE FAIR**

Piloted in Boston, Milton Keynes, St Austell and Eden Project over the past six months, Share Fairs are regular social gatherings, taking place in easily accessible public spaces such as market squares, village greens, urban corridors, community gardens and parks, where instead of buying new things, people share, swap or recycle, and instead of feeling isolated, people meet and share ideas, stories and skills. By sharing what they know, do and have, people can discover new ways to value themselves, and each other, and communities can become stronger and less wasteful.



Transformation: it's in our nature - Connecting Communities  
**COMMUNITY BUSINESS NETWORK**

Working in partnership with the Power to Change programme, the Eden Project Communities Team have created a peer network of people who are seeking to create a community business. Those participants have taken part in Community Business workshops alongside a menu of plenary talks.



**WHAT WOULD YOU BUY  
FOR YOUR COMMUNITY?**



Transformation: it's in our nature - Connecting Communities

## IT'S GREAT OUTDOORS

Currently in the planning stages, It's Great Outdoors will develop and trial events and activities to encourage families with children under five to have a stronger relationship with the natural world. These family-led nature- and narrative-based play activities for children aim to improve opportunities for informal learning but also support child health by providing activities that can also help tackle issues such as childhood obesity. A pilot event was run in the autumn of 2016 to research the barriers that families face and the support they require and the learning from this will help shape how the programme, scheduled for summer 2017, is delivered.

Transformation: it's in our nature - Connecting Communities

## DEEP ROOTS NEW SHOOTS

The Eden Project will mobilise the time and talents of 150 volunteers aged 50+ as peer educators, narrators and nature-based play facilitators. They will support grandparents and grandchildren (aged 0-5) to explore and learn together on our site. The team will work in particular with local families where grandparents are taking on a significant caring role, or need additional support. This will result in a step-change in support for grandparents and grandchildren visiting The Eden Project, and lead the way for visitor attractions across the country. This project is being delivered in partnership with Nesta.

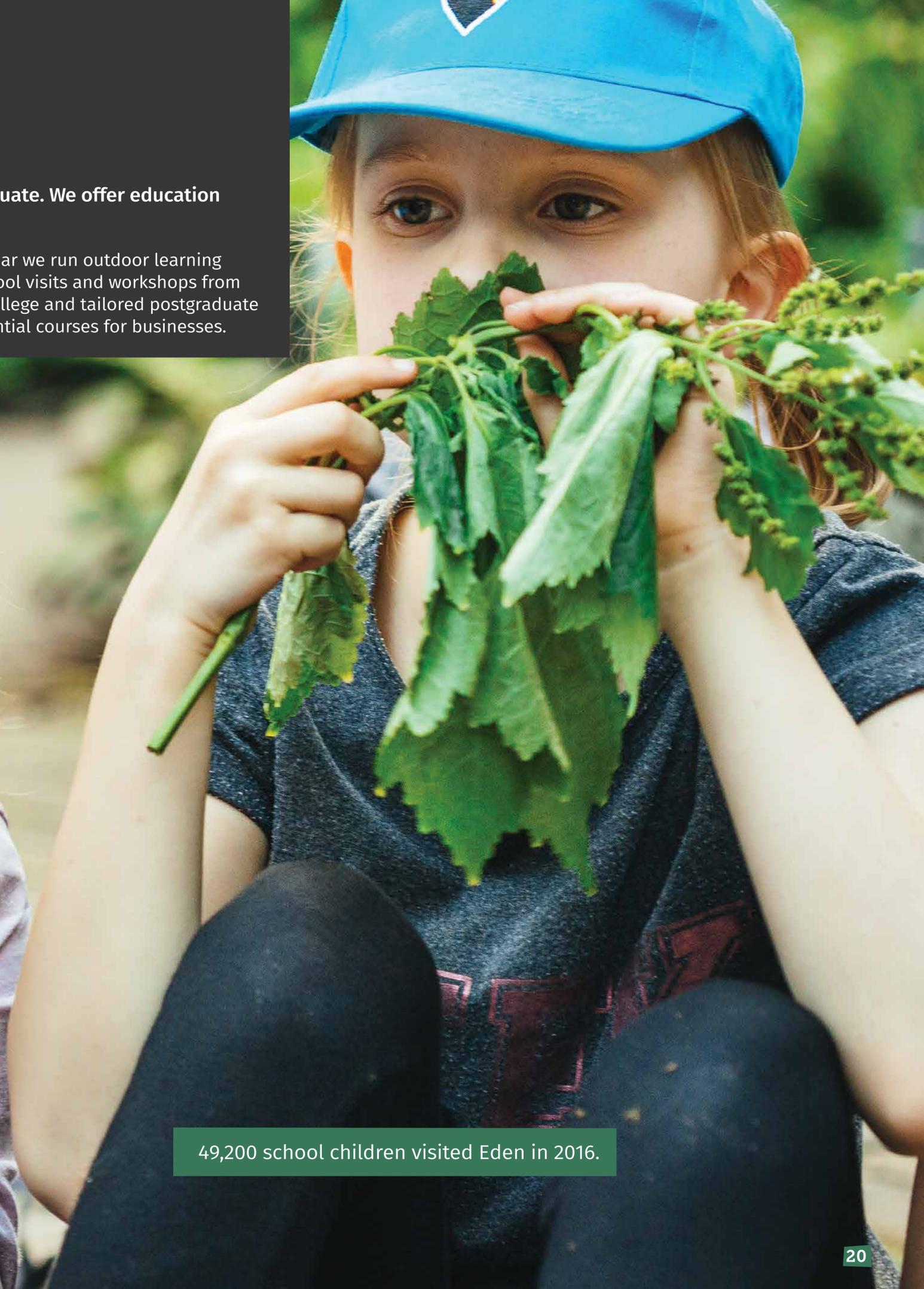


Transformation: it's in our nature

# EDEN EDUCATES

The Eden Project provides educational opportunities from preschool to postgraduate. We offer education programmes for all ages.

As well as our seasonal programmes which bring science and art to a million visitors a year we run outdoor learning for preschoolers and pilot programmes offering support to their families and carers, school visits and workshops from primary to A-Level, apprenticeships, degree programmes in conjunction with Cornwall College and tailored postgraduate courses and activities in partnership with universities. We also run HotHouse, our residential courses for businesses.



49,200 school children visited Eden in 2016.



Transformation: it's in our nature - Eden Educates

## OUTDOOR LEARNING WHATEVER THE WEATHER

September 2016 saw the launch of Little Eden, a weekly club for parents and under-fives set in Eden's magical wild perimeter.

The club is designed to help children and their families play and learn together through outdoor games and activities, facilitated by members of Eden's Schools Team. Activities celebrate the great outdoors through games and stories, quests and hunts, making and creating, and campfire cooking. Fifty children have attended so far, with many families coming week after week, whatever the weather.

The development of the site at Little Carne Farm has been enhanced by the involvement of first and second year students from Falmouth University School of Architecture, who designed and built a permanent fire-pit and shelter, now used by the Little Eden children every week.

Transformation: it's in our nature - Eden Educates  
**HOT HOUSE**

In December 2016 we launched Eden Connections, a Hothouse programme for the Eden Team.

Using Eden's key themes of transformation, connection and commonality, and inspired by natural systems, the programme allows our staff to explore the role they each play in fulfilling Eden's ethos, mission and purpose and exploring how their own personal values connect with this.

So far 40 team members have taken part in the programme and it has been really well received. Delivery of the programme will resume again in Autumn 2017.



Eden was also named in the National Top 100 Apprentice Employers list, after being Highly Commended in the Apprentice Employer of the Year (Large Employer) category at the regional stage (South West) of the National Apprenticeship Awards.





Transformation: it's in our nature

## LIFE SCIENCES AT EDEN

Eden made its commitment to science and horticulture explicit with the appointment of Dr Mike Maunder as its first Director of Life Sciences in August 2016.

Life Sciences at Eden recognises the profound nexus of human health interests, biodiversity and the need for a new food ecology. We believe there is an imperative to train a new generation of land custodians who focus their work on the regeneration of natural resources and the regeneration of a human link with biodiversity and that this could fundamentally change the human relationship with biodiversity and the wilder landscape.

'I was privileged to play a small part in the establishment of Eden and I am honoured to be joining Eden's extraordinary team. There is a creative alchemy at Eden that is unmatched in the botanic garden world, that creativity has positioned Eden as a place of inspiration, a great garden, and an institution tackling issues of global importance.'

**Mike Maunder, Eden's Director of Life Sciences**



Transformation: it's in our nature - Life sciences at Eden  
**BACK FROM THE BRINK**

In 2016, a six year collaboration between Eden Project and Natural England culminated in the planting of 200 rare Lizard junipers in a secret location on the Cornish peninsula.

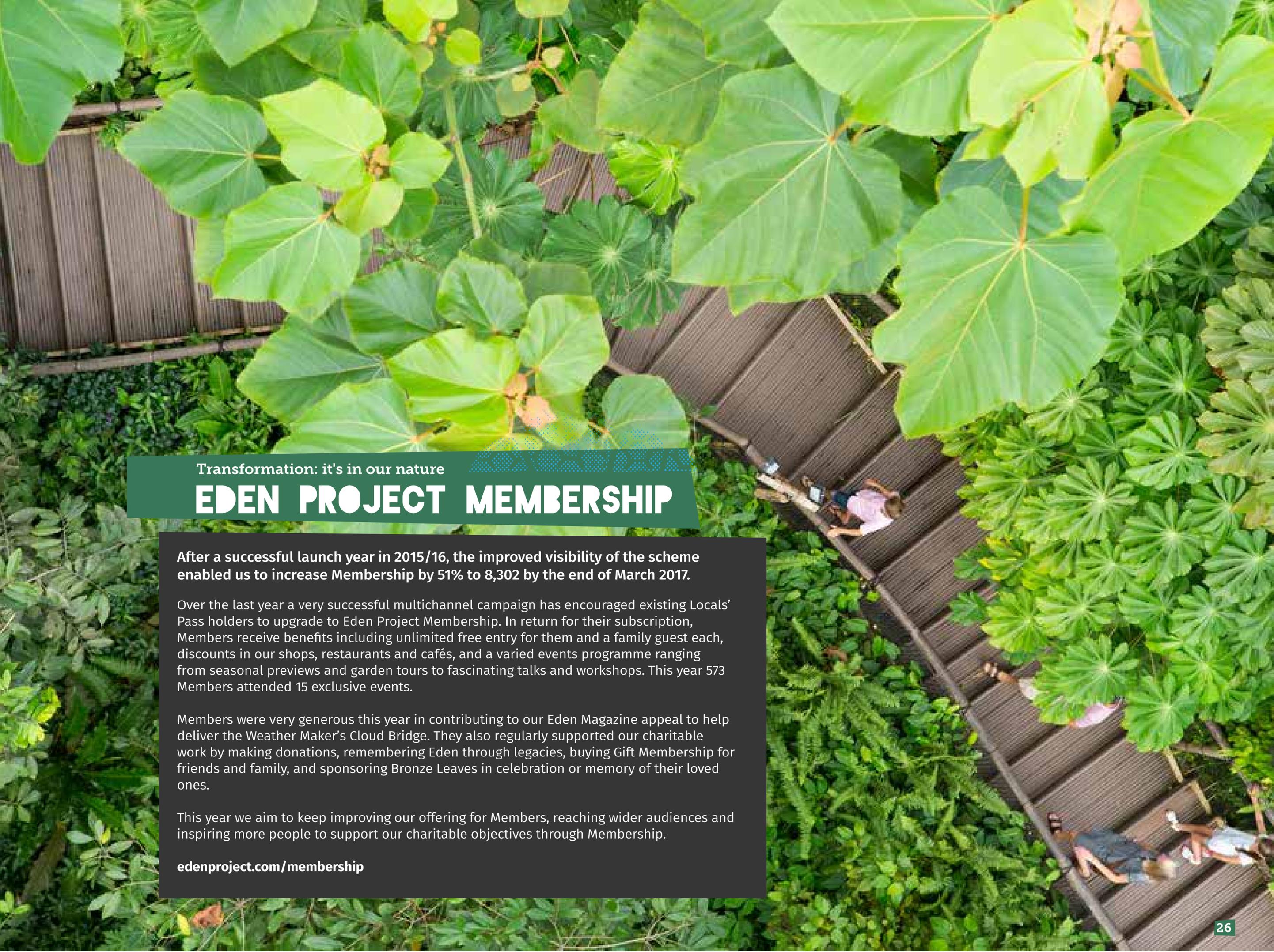
The Lizard juniper (*Juniperus communis* ssp. *hemisphaerica*) is a subspecies only found on the Lizard peninsula. Six years ago the population had dwindled to only 13 plants in the wild, putting the subspecies at risk from being wiped out by a wildfire or grazing animals. Eden and Natural England took cuttings and started growing new plants at Eden's Watering Lane Nursery. Protected by an electric fence, it's hoped that the new plantation will result in a thriving wild population.



Transformation: it's in our nature - Life sciences at Eden  
**DANUM VALLEY**

Three Horticulture staff including one Eden apprentice joined the University of West of England to collaborate on rainforest and palm oil ecology research that had been tested in the Rainforest Biome.

The team travelled to Danum Valley, Borneo, to help with a project which explores whether the introduction of *Asplenium nidus*, the bird's-nest fern, into oil palm plantations increases biodiversity and benefits growers by encouraging beneficial insects and improves nutrient cycling. This work also aided in the creation of our new oil palm exhibit which brings cutting-edge, living science into focus for Eden visitors.



Transformation: it's in our nature

## EDEN PROJECT MEMBERSHIP

After a successful launch year in 2015/16, the improved visibility of the scheme enabled us to increase Membership by 51% to 8,302 by the end of March 2017.

Over the last year a very successful multichannel campaign has encouraged existing Locals' Pass holders to upgrade to Eden Project Membership. In return for their subscription, Members receive benefits including unlimited free entry for them and a family guest each, discounts in our shops, restaurants and cafés, and a varied events programme ranging from seasonal previews and garden tours to fascinating talks and workshops. This year 573 Members attended 15 exclusive events.

Members were very generous this year in contributing to our Eden Magazine appeal to help deliver the Weather Maker's Cloud Bridge. They also regularly supported our charitable work by making donations, remembering Eden through legacies, buying Gift Membership for friends and family, and sponsoring Bronze Leaves in celebration or memory of their loved ones.

This year we aim to keep improving our offering for Members, reaching wider audiences and inspiring more people to support our charitable objectives through Membership.

[edenproject.com/membership](http://edenproject.com/membership)

Reporting

# FINANCIAL SUMMARY

**It's been a good year for the Eden Project. We made a cash surplus from trading of more than £1.6 million in the last financial year. Turnover and visitor numbers also increased significantly during the period.**

Annual accounts for 2016/17 show that the trading cash surplus of £1,653,000 was down on the previous year's figure of £1,823,000. However, it is the fourth successive year that Eden has recorded a significant profit.

2016 saw Eden making big investments in its staff and on improvements to the site. There have been increased costs meeting and exceeding the National Living Wage requirements by applying the wage to employees from age 21 rather than the mandatory 25.

Building on the success of the previous three years, turnover increased for the financial year by more than £1.8 million mainly due to an increase in visitor numbers. For the first time since 2011, Eden welcomed more than a million visitors in a 12-month period and recorded our highest visitor numbers for December since opening.

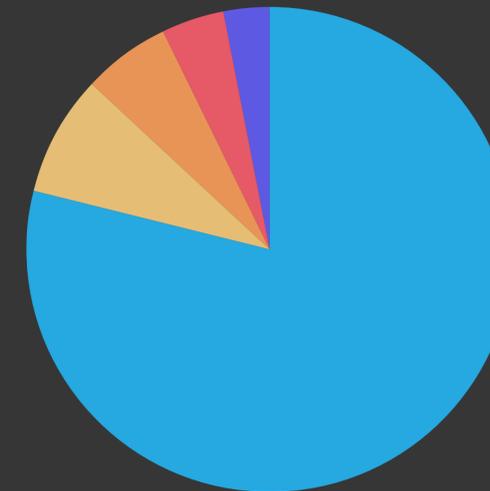
Any surplus generated from the visitor destination and related income streams is used to support maintenance and investment on our site, educational programmes and financing costs. The surplus is not sufficient to cover all the costs and like many charities we seek the support of Charitable Trusts, grants and donations to deliver new educational projects in the societal, health and science arena.

Eden is grateful to the support of its funders (a full list of which can be found on p.34 of this document) which has enabled the creation of the Weather Maker in the Rainforest Biome, the development of Invisible Worlds and the continuing success of Eden's development and outreach projects (see pp.13-15).

The full financial report can be found here:  
<https://beta.companieshouse.gov.uk/company/04487099>

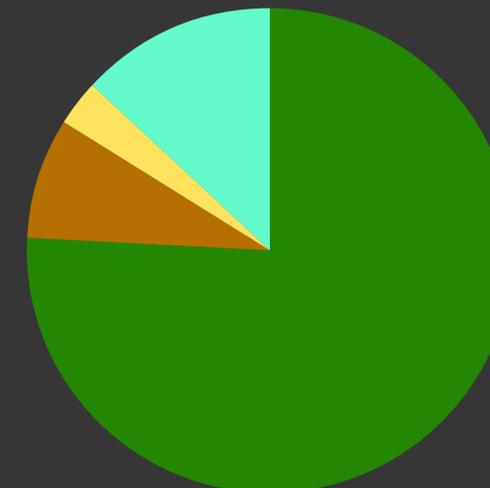
**'It has been another encouraging year, with good results in terms of our trading surplus, turnover and visitor numbers, all of which have helped us make significant investments in the team and our site.'**

**Peter Wroe, Finance Director**



## Revenue

- 79% Visitor related income
- 8% Grants and donations
- 6% Gift Aid
- 4% International
- 3% Other income



## Expenditure

- 76% Eden site education
- 8% Outreach projects
- 3% International projects
- 13% Governance and administration

Eden Project Group Accounts	Mar-17 Group Actual YTD £000s	Mar-16 Group Actual YTD £000s
Group Earnings before interest	1,805	1,885
(Reduction) / Increase in net current liabilities	(999)	796
Net Cash Inflow from Core Activities	806	2,681
Net Interest Paid	(445)	(506)
Net Investment in Fixed assets	(1,047)	(673)
Loan and Lease Advances	1,535	284
Loan and Lease Repayments	(1,067)	(1,662)
Net Cash (Outflow) / Inflow	(218)	124

# REGENERATIVE SUSTAINABILITY

**At Eden, sustainability to us has always meant regenerative sustainability: how can we generate more (environmental, social and economic) good?**

Since its opening in 2001, Eden has contributed £1.7 billion to the local economy and is one of the most important employers in the county. With the skills of our horticulture team, our global garden is thriving. Over a million plants now grace a formerly derelict site, performing an important carbon sequestration role, over 17 million people have been exposed to Eden’s message through our site, with even more through our on-site education programmes and community outreach projects. This is regenerative sustainability.

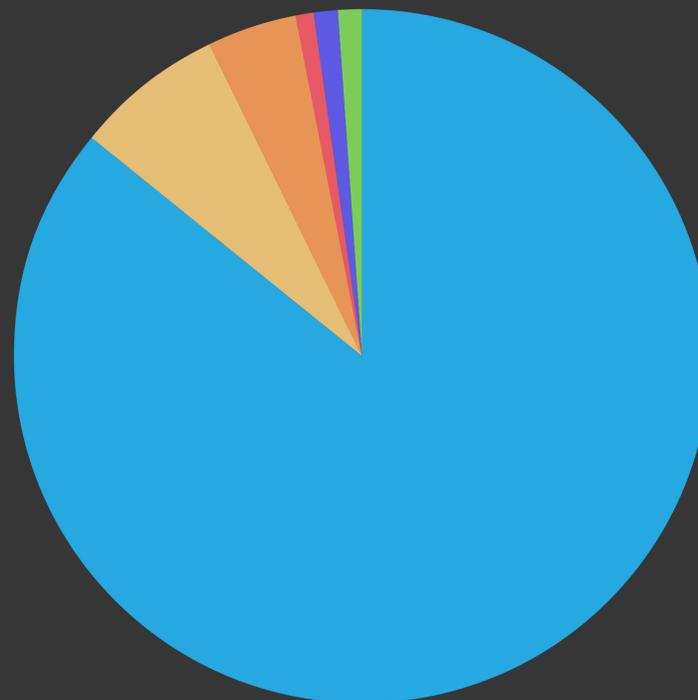
### Sustainability figures 2016/17

A busy year has meant we have prepared more food, done more cleaning, and we have had bigger as well as more energy-intense events. All of this combined has meant we have seen our carbon emissions increase somewhat on last year’s figure to a total of 3,413 tonnes CO<sub>2</sub>e. But compared with our baseline year, we have still managed to achieve emission reductions.

Despite increases in some areas such as energy use, we have managed to reduce carbon emissions in others. In 2016, we introduced a new fleet of 19 electric vehicles in partnership with Renault, reducing our use of petrol- and LPG-fuelled vehicles and therefore our carbon footprint. We continue to source all of our electricity from Good Energy, ensuring our electricity comes from 100% renewable sources.

Our increasing number of partnerships and international work has meant business travel, particularly long-haul flights, increased considerably over this last year. We offset carbon emissions related to business travel with Climate Care.

We continue to work towards our zero waste to landfill target and despite increasing visitor numbers we are producing less waste. 87% of our waste is now either recycled, composted or turned to energy compared to 55% in our baseline year.



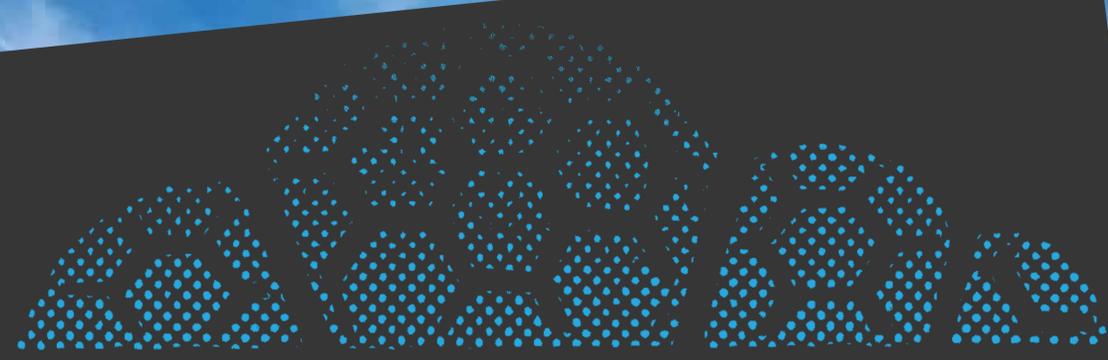
### What made up Eden's carbon footprint this year?

- **86%** Energy for electricity, heating and cooking on gas
- **7%** Business travel (air and car)
- **4%** Fuel for Eden vehicles
- **1%** Refrigerants and catering gases
- **1%** Water
- **1%** Waste

# CARBON FOOTPRINT EDEN PROJECT

	Source	2016/2017		2015/2016		Baseline year 2012/2013	
		Units	CO <sub>2</sub> e (t)	Units	CO <sub>2</sub> e (t)	Units	CO <sub>2</sub> e (t)
Energy	Electricity (kWh)	4,316,637.0	1,778.7	3,977,203.2	1,838.2	4,764,421.0	2,191.7
	Gas (kWh)	5,180,820.6	953.3	4,762,056.8	878.4	5,671,168.0	1,050.4
	LPG (l)	128,741.0	193.8	148,242.0	223.8	128,053.0	196.3
	Oil (l)	0	0	1,800.0	4.6	991.0	2.5
	Bottled Gas (catering LPG)(l)	3,020.4	4.5	1,880.0	2.8	1,923.0	3.0
	Renewable generation (kWh)	32,376.7	0	50,695.4	0	68,924.0	0.0
	<b>Total</b>			<b>2,930.2</b>		<b>2,947.7</b>	
Fuel for Eden vehicles	Diesel (l)	6,827.9	17.8	6,572.7	17.2	38,834.4	100.3
	Gas oil (red diesel) l	30,974.0	91.9	30,818.0	91.4	0.0	
	Petrol (l)	6,883.9	15.1	7,785.4	17.1	9,171.4	20.1
	LPG (l)	9,772.0	14.7	15,712.0	23.7	18,719.0	28.2
	<b>Total</b>			<b>139.5</b>		<b>149.4</b>	
Refrigerants and catering gases	R134a (kg)	1.78	2.5	2.64	3.4	4.10	5.3
	R404a (kg)	8.23	32.3	3.97	15.6	3.80	12.4
	R417a(kg)	1.0	1.4	15.5	20.2	0.00	0.0
	R407c (kg)	0.85	1.5				
	CO <sub>2</sub> (l)	1598.1	1.6	1094.3	1.1		
<b>Total</b>			<b>39.4</b>		<b>39.2</b>		<b>17.7</b>
Business travel	Car (km)	174,271.7	32.6	193,588.8	36.6	218,812.5	41.4
	Domestic flights (passenger km)	123,036.0	34.3	96,471.3	28.7	84,804.5	24.9
	Short-haul flights (passenger km)	20,941.0	3.5	75,743.1	12.9	10,851.5	1.8
	Long-haul flights (passenger km)	576,607.0	110.5	227,205.9	45.0	177,655.0	37.3
	International flights (passenger km)	340,931.0	61.0				
<b>Total</b>			<b>241.9</b>		<b>123.0</b>		<b>105.4</b>
Water	Mains water supply (m3)	11,137.9	3.8	10,021.3	3.4	13,393.0	4.6
	Water treatment (m3)	54,615.5	38.7	67,401.0	47.7	25,127.0	17.8
	Rain & Ground water usage (m3)	43,477.6	0	57,379.8	0	11,734.0	0.0
<b>Total</b>			<b>42.5</b>		<b>51.2</b>		<b>22.4</b>
Waste	Food - Aerobic/anaerobic digestion (tonnes)	65.0	1.4	84.1	1.8	5.7	0.0
	Recycled (tonnes)	159.1	3.3	148.7	3.1	206.4	4.5
	Energy recovery (tonnes)	180.9	3.8	173.9	3.7	0.0	0.0
	Clinical & Haz waste (tonnes)	5.5	0.1	4.9	0.1	10.1	4.0
	Landfill (tonnes)	55.3	11.0	56.7	11.3	161.1	45.1
<b>Total</b>			<b>19.6</b>		<b>19.9</b>		<b>8.5</b>
<b>Total (tonnes CO<sub>2</sub>e)</b>			<b>3,413.2</b>		<b>3,330.4</b>		<b>3,746.5</b>

The carbon emissions calculation for 2016/2017 are based on Defra 2016 greenhouse gas conversion factors. Well to tank emissions have been omitted for 2016/2017 reporting in line with The Planet Mark's Code of Practice. 2012/2013 is our baseline year against which we compare performance. With regard to flights, we have included figures from our travel partner Key Travel only.



# FUTURE PLANS





Future plans

# WESTERN AUSTRALIA GARDEN

Spring 2017 will see the launch of the Western Australia Garden in the Mediterranean Biome, the result of two years of research and development. Working with Western Australia Botanic Garden (WABG) at Kings Park Botanic Garden in Perth, Catherine Cutler received support from RHS bursaries to undertake a two-week study tour of national parks and wild areas, followed by a fortnight's intensive work experience with the team at WABG. The garden will be sponsored by Western Australia Tourism and will showcase three of the region's habitats.

[edenproject.com/western-australia](http://edenproject.com/western-australia)



Future plans

## INVISIBLE WORLDS: THE MUSEUM FOR OUR TIME

**When Britain's Victorian palaces of public education were built, they reflected an understanding of the world very different to our own.**

In botanic gardens, zoos and museums the world was firmly divided into plants, animals and humans. We now know that life as we experience it, ourselves, the plants and the animals, are exceptional: most life (more than 80% by mass) is microscopic. The scales we use to measure the world – from a hair's breadth to a mile, from seconds to lifetimes – are the merest slivers of space and time, while most earth processes such as plate tectonics or evolution work over distances and time spans that are hard to comprehend. Invisible Worlds will explore the world beyond our senses: too vast, too small, too fast, too slow, too far away in space or time.

Invisible Worlds will be based in the Core building. After 12 years and 12 million visitors, this extraordinary building, based on the mathematics of nature, is having a facelift. Launching in late spring 2018, new exhibits, exploring our relationship with microbiology and planetary forces, will be installed on the ground floor. On the first floor, a working laboratory will provide a new way for Eden to engage the public and schools around science. The lab will offer demonstrations, citizen science, and debates about new technologies and hot topics for the public. The top floor will have a larger flexible exhibition and events space to provide the south west with a venue for the very best travelling exhibitions, and also feature the Rock Garden, which will explore the biology of geology. The café kitchen will be opened up and will be used for cookery demonstrations and classes year-round.

This project has over £3.5m of support from the Wellcome Trust, Wolfson Foundation and Dr Mortimer and Theresa Sackler Trust but we are seeking support for further live programming, artworks and standalone exhibits on subjects such as camouflage and bioluminescence.

[edenproject.com/invisible-worlds](http://edenproject.com/invisible-worlds)

Future plans

## WALK THIS WAY

In January 2017, Eden Project teamed up with the Jo Cox Foundation to prepare for the Great Get Together, a weekend to celebrate community and commonality with The Big Lunch at its centre.

There are also plans afoot to shine a light on ordinary people going the extra mile for their communities all over the UK. The Great Big Walk will see five teams of walkers set off from the late Jo Cox MP's constituency on a three-week adventure. The teams will walk to Scotland, Wales, Northern Ireland, Cornwall and London, each returning to their communities in time for The Big Lunch. Along the way, they will stop in different places to get to know the people working on amazing projects that bring their communities together.

[edenprojectcommunities.com](http://edenprojectcommunities.com)

200+ MILES

10 WALKERS

21 DAYS

5 ROUTES

### 1 MISSION

to shine a light on ordinary people who are going the extra mile to bring people together



Future plans

## EDEN PROJECT NURSERY

Eden's commitment to early years learning will be increased through the addition of a new Eden Project Nursery.

Part of a new project to create a primary school and nursery at West Carclaze, St Austell, led by the Atlantic Centre of Excellence Trust in partnership with Eden and EcoBos Development. The nature-inspired Nursery will cater for 60 children aged between three and four years old, who will spend at least 80% of their time outside. Both the Atlantic Centre of Excellence Trust and Eden advocate an outdoor learning approach and believe that it leads to significant benefits for children's health, happiness, well-being and development, in their relationship to nature and each other.

'We're especially excited about the inclusion of the Eden Project Nursery the first extension of Little Eden. Our unique outdoor preschool will be a fantastic asset for the new community.'

Gordon Seabright, Managing Director, Eden Project.

Future plans

# EDEN PROJECT INTERNATIONAL

Eden Project International is continuing to make progress with partners across the world with a view to establishing an Eden Project on every continent except Antarctica.

Eden Project International will be established as a separate company under the Eden Trust in the next financial year.

[edenproject.com/eden-story/our-ethos/eden-project-international](https://edenproject.com/eden-story/our-ethos/eden-project-international)





## AFTERWORD

by Sir Tim Smit



In 2015, Paris bore witness to an act of political imagination beyond anything we could have dreamed possible. Its import became obvious as Laurent Fabius looked up from signing it. The delegates first clapped, then rose to their feet and cheered and everywhere there were tears. Those that say it hasn't gone far enough don't seem to grasp the powerful symbolism of an act of almost universal will enacted on behalf of all of us. Tweaking can come, but the principle is established.

The present disquiet over the withdrawal from the Agreement by the Trump administration has strangely had a hugely positive effect too, as all over America, states, cities and parishes are committing themselves to Paris at a scale which is massively encouraging. When Pittsburgh asks the President not to speak on its behalf because it is committed to going green, you might say that the Administration is out of step with the tide of history!

Eden wants to grow awareness of the work of the Stockholm Resilience Centre on the 9 Planetary Boundaries for a safe operating system for a healthy planet, and the 17 UN Sustainable Development Goals. Like the Paris

Agreement neither is perfect, but an important step to putting 'globalisation' behind us and ushering in a period of reflecting that we are now Citizens of the World with shared concerns and responsibilities.

As a result, Eden has set itself the ambition of building an Eden on every continent, each independent yet linked to our Cornish hub, and each having a distinct main ecological theme which as a whole will enable the Eden family to offer a holistic approach to and perspectives on the natural forces that shape and influence our planet.

We are doing this is because we believe we can create platforms that will enable scientific, cultural and social ideas to be explored and disseminated widely, thereby speeding up the process of humanity living at ease with the environment.

Underpinning all this is a passion for education and a belief that the distinction between education and qualifications has been blurred too much. We are investing heavily in our capacity from Nursery to degree level, specialising at the higher level in the repositioning of horticulture and agronomy

to transform them into courses attractive and stimulating to young people. This is essential as across the world farmers are ageing and a new generation is not being attracted in. This has a huge potential impact on food security and food safety. Moreover, the Planetary Boundary work throws up the startling insight that 43% of negative impacts on the environment come from poor agricultural practice.

Our mission is to develop public understanding of how the natural world works and how we can minimise our impact upon it while sustaining ourselves, and to teach the coming generations how to work and live well within those boundaries. This in turn will improve our chances of achieving the Sustainable Development Goals.

So...taking the example of Paris, we at Eden would say that the time is coming where we accept that sustainability isn't about continuing doing everything the same but without the carbon problem, and becomes instead a journey towards balance in all things.

Sir Tim Smit, Executive Vice Chairman & Co-Founder, Eden Project



# THANKS TO OUR SUPPORTERS

During the financial year 2016-2017 the following funders provided financial support to a variety of our charitable projects, many of which have been mentioned in this report. Further details of all of our funders to date are available from our website [www.edenproject.com](http://www.edenproject.com).

It's thanks to their help and cooperation that we are able to undertake much of our charitable work. Eden Project International will be established as a separate company under the Eden Trust in the next financial year. Many other supporters have played a part in our development since Eden Project opened in 2001. We would particularly like to thank our volunteers for their time and effort.

[edenproject.com/eden-story/our-ethos/eden-project-international](http://edenproject.com/eden-story/our-ethos/eden-project-international)

## Our funders

The Big Lottery Fund (Big Local)

The Big Lottery Fund (The Big Lunch Programme)

The Wellcome Trust

Power to Change – Peer Network Grant

European Social Fund (Living Well)

European Social Fund and The Big Lottery Fund (Building Better Opportunities)

Association of Science and Discovery Centres

Woodford Investment Management (Neil Woodford and Craig Newman)

The Pears Foundation

The Prince of Wales's Charitable Foundation

Dr Mortimer and Theresa Sackler Foundation

Kirby Laing

St Austell Brewery

Pukka Herbs

Renault

William Grant

University of West of England Bristol

Cormac

# DIRECTORS AND TRUSTEES

## Trustees

Edward Benthall, Chairman of the Eden Trust

Jonathan Drori

Lucy Parker

Penny Parker

Sir Ghilleen Prance

Richard Reid

Geoffrey Austin

Professor Adam Beaumont

Kevin Havelock

Sir Ferrers Vyvyan

## The EPL Board

Eden Project Limited is managed by a Board of Executive and Non-executive Directors.

## Non-Executive Chair

Judith Donovan CBE, Non-Executive Chair of Eden Project Ltd

Geoffrey Wilkinson, Non-executive Co-Chair of EPIL

Keric Morris, Non-executive board director of EPIL and EPIL

## The Directors

Sir Tim Smit KBE, Executive Vice Chair of EPL and Executive Chairman EPIL

Gordon Seabright, CEO of EPL and board director of EPIL

David Harland, board director of EPL and CEO of EPIL

Mike Maunder, board director of EPL and EPIL

Peter Stewart MVO, board director of EPL

Peter Wroe, board director of EPL

Angela Marshall, non-executive board director of EPL

Helen Owers, non-executive board director of EPL and EPIL

Andrew Peters, non-executive board director of EPL

Andrew Walmsley, non-executive board director of EPL

Caroline White, non-executive board director of EPL

Lucy Edge, non-executive board director of EPL

**eden project**



This project is  
part-financed by  
the European Union



The Objective One Partnership  
for Cornwall & the Isles of Scilly

Working with Objective One



Millennium Commission  
LOTTERY FUNDED