



A Portrait of Winchester

Final Report

15th November 2021

Portrait of Winchester: an outline roadmap

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for Winchester City Council

Final Report

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Executive Summary

In June 2019 Winchester City Council declared a climate emergency and in its Council Plan 2020-25 recognised that “*the climate crisis is the biggest challenge all of us face in the coming years and decades. Winchester must play its part in tackling the crisis and hand our district to our children and grandchildren in a better state than it is now.*”

In November 2020 Winchester City Council invited Wessex Green Hub to co-host two public online workshops to co-create a future Portrait of Winchester. The objective of these workshops was to collectively imagine a beautiful vision of a future Winchester in 2040 and for the participants to identify initiatives which could translate this vision into specific, tangible yet transformative actions.

Following on from these workshops, Winchester City Council invited Wessex Green Hub to develop a concept for a roadmap as a guide for how we get from where we are now to where we imagine we want to be in 2040.

This report sets out the approach developed by Wessex Green Hub to create this roadmap, based around Kate Raworth’s Doughnut Economics model. It can be used by Winchester City Council to connect its own policies, initiatives and activities together with those of the local community, business and other organisations to map and understand how these actions together create a pathway to this sustainable and regenerative future for Winchester District.

It looks at how Doughnut Economics has been down-sized from a global scale to the level of a single city or region - ‘the city selfie’ - and how in a number of cities around the world local people are coming together to create doughnuts for their city and surrounding region to show how the city can thrive and provide for the local population across a range of social foundations whilst remaining within sustainable planetary boundaries, and how the dimensions of these social foundations and planetary boundaries can be selected and quantified.

The report sets out a four-stage approach to establishing a roadmap and demonstrates how this can be applied through two specific lenses of transport and business. It concludes by setting out a series of key findings and recommendations for how Winchester City Council can develop and implement this forward-looking approach and what the specific next steps could be, demonstrating the opportunity for all parts of the community to work together to make Winchester a thriving City & District in which every single person thrives.

Key findings

- The Doughnut provides a framework to integrate policies and strategies to address the climate emergency
- The holistic structure of the Doughnut facilitates a balance across environmental and social needs and demands
- There are a growing number of cities and regions in the UK and internationally which are currently developing Doughnut based strategies
- A Doughnut methodology can be used to create a roadmap for action to guide systemic improvement
- The policies and strategies currently in place in Winchester can be integrated effectively into the roadmap
- It is essential to identify a 'north star' of intent and purpose for the city or region
- Cooperation and co-creation are essential to take the community and all stakeholders into a better future together
- Successful development of a Doughnut approach in other cities is achieved by a group of committed individuals working closely with and supported by local organisations and local government

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Introduction

This report presents a concept for a coherent Roadmap for Winchester City Council to move from the present situation to a sustainable and regenerative future that allows all of Winchester District to thrive.

Winchester City Council in its Council Plan 2020-25 recognises that “*the climate crisis is the biggest challenge all of us face in the coming years and decades. Winchester must play its part in tackling the crisis and hand our district to our children and grandchildren in a better state than it is now.*”

The Roadmap approach set out in this document can be used by Winchester City Council to draw together its own policies, initiatives and activities together with those of the local community, business and other organisations to map and understand how these actions together create a pathway to this sustainable and regenerative future for Winchester District.

This document outlines the next steps in the Portrait of Winchester process to create this coherent Roadmap towards the future Vision for Winchester, created in two workshops facilitated by the Sustainability Team at Winchester City Council and Wessex Green Hub in November and December 2020, and subsequently with Council members and senior officers in June 2021, applying the principles of flourishing communities, both locally and globally.

The approach set out in this document builds on Kate Raworth’s Doughnut Economics model to structure a Roadmap embedded in place – linking climate action and social justice – right here in the culture and fabric of Winchester civic life. This approach provides Winchester City Council with guidance on how to develop a clear, practical Roadmap to reach carbon neutrality by 2030 and enact the Vision for 2040.

The approach purposefully enables the integration of existing strategies and plans, including Winchester City Council’s Carbon Neutrality Action Plan and the work of Winchester Action on Climate Change.

The approach set out in this proposal will encourage milestones, targets and initiatives to be set, reviewed and shared with the community, for example through quarterly ‘doughnut visualisations’ on Winchester City Council’s website.

In order to succeed, the transition from now to a sustainable, regenerative future needs to be owned and enacted by all in the community, business and all stakeholders, not only Winchester City Council.

Overview

This report shares some concepts and ideas for Winchester City Council to consider that would support the alignment of its policies, strategies and plans with the long-term needs of Winchester District and with the substantial and significant changes that need to be made to address the climate emergency that was declared by Winchester City Council in 2019.

It brings together existing and recognised approaches and methodologies, enhances them, and makes them specific to and relevant for Winchester.

It also proposes a set of recommendations and next steps as to how Winchester City Council can bring the concept of the City Doughnut to the centre of its policy setting and strategic development to align its thinking and its action across not just the Council but the whole of Winchester District and provide guidance to and alignment with other local stakeholders and neighbouring and overlapping authorities.



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An overview of the Portrait of Winchester

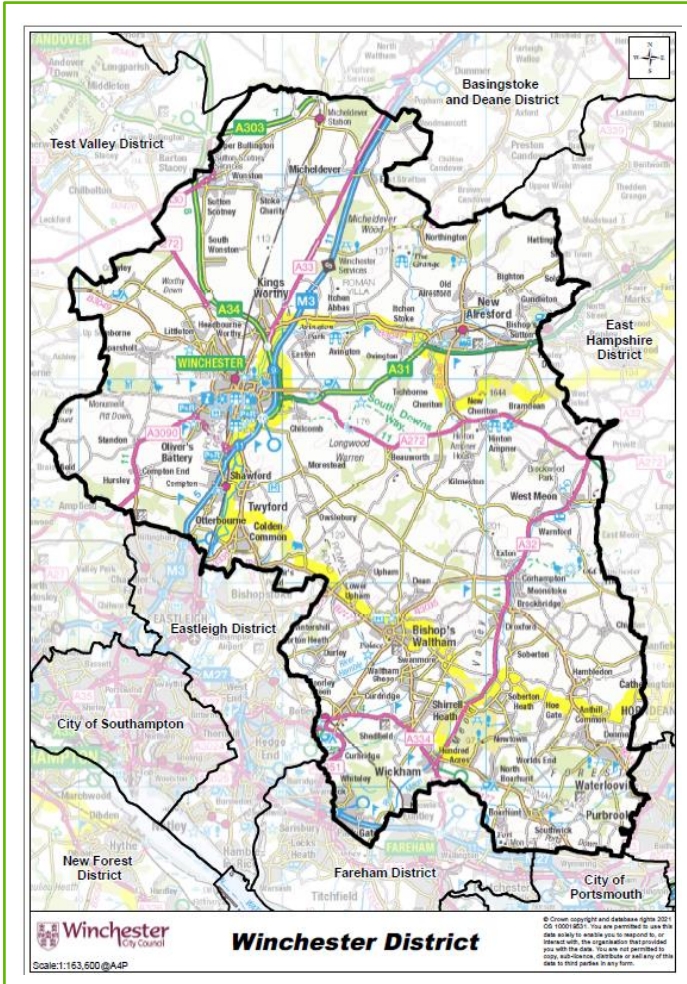
The Portrait of Winchester process has been a collaboration between Winchester City Council and Wessex Green Hub which started in November 2020. The purpose of the Portrait of Winchester has been and is to work with businesses, charities, organisations, and members of the public to develop a shared vision for a sustainable, decarbonised future Winchester. The development of a positive future vision of Winchester is of prime importance to Winchester City Council as is demonstrated by, amongst other activities, the Carbon Neutrality Action Plan, Winchester Town Forum's Vision 2030, and the Green Economic Development Strategy.

However, the Portrait of Winchester process has followed a different approach from these other visions and plans. The Portrait of Winchester is rooted in the belief that in order to solve the challenges of the climate emergency, we need to cultivate our ability to collectively reimagine most aspects of how our society works (following the work of Transition Network and Rob Hopkins). The Portrait of Winchester vision was formulated with this in mind and encouraged participants to use creative thinking and the power of imagination to step into the future and envision how a sustainable/net zero Winchester might look/feel/smell/sound/taste.

The purpose of the Portrait of Winchester process is to encourage and then translate these radical ideas for the future into specific, tangible yet transformative actions. In order to achieve the 2030 net zero target for Winchester District, we will all need to find ways of being and working which push the boundaries and to implement exciting yet challenging policies. What became apparent through this process is the need for current/future action to extend beyond just reducing carbon emissions and meeting the 2030 carbon neutrality target – there is a need to develop policies and initiatives which instil a sense of place, community, and belonging, and create an embodied experience of sustainable living within Winchester District.

This study builds on the Portrait of Winchester process to set out an approach to creating a Roadmap to a future thriving Winchester and provides a route to build a sustainable/net-zero future Winchester District. It uses well known and relevant models such as Doughnut Economics and the Theory of Change to set out clear steps to how we can collectively imagine, design and manifest this more sustainable future and allows for the integration of many of the strategies and initiatives which Winchester City Council has developed over the last few years.

How can Winchester be a home to thriving people in a thriving place, while respecting the wellbeing of all people and the health of the whole planet?



Map: copyright Ordnance Survey
Source: DEAL (2020a), DEAL (2020b)

Creating a Thriving Portrait of Winchester District

Through an exploration of this question, and what it provokes, we can discover what it would mean to thrive within the Doughnut - the safe and the just space for humanity - given Winchester's location, context, culture and global impact. The result is the City Portrait.

The Thriving City Portrait can be used to:

- envision what it means to be a thriving city, combining social goals with ecological ones, and local aspirations with global responsibility.
- connect a network of city actors, with diverse interests and concerns, through a common framework.
- explore the city from a holistic perspective, inviting city actors to see interconnections, recognise tensions, and identify synergies for action.
- inspire city-wide initiatives and co-creation through an iterative process of transformative innovation.
- develop metrics fit for a 21st century city, that start to measure and reflect what it means for Winchester to thrive.

The Portrait of Winchester process engaged local people and decision makers through a series of online workshops and drop in sessions in 2020 and 2021

Public workshop 1 (November 2020)

The first workshop started with the creation of a shared vision of a future Winchester District in 2040 using a Visioning Exercise led by Dr Deborah Benham of Transition Network. This was followed by breakout sessions, organised by sector, to identify actions that could be taken by 2030 to achieve this future vision. The sectors, which had been determined by WCC prior to the workshop were: Education, Buildings, Transport, Embodied Carbon, Business, Circular Economy, Energy, Industrial Processes, Fashion and Agriculture.

Public workshop 2 (December 2020)

The second workshop focused on determining actions, initiatives and policies that are needed from WCC as well as residents, businesses and other organisations, to get to a sustainable future Winchester District across six priority sectors: education, transport, energy, agriculture, circular economy and embodied carbon. The ADKAR® change management model was used to guide this process and around 80 action and policy recommendations were recorded during the workshops.

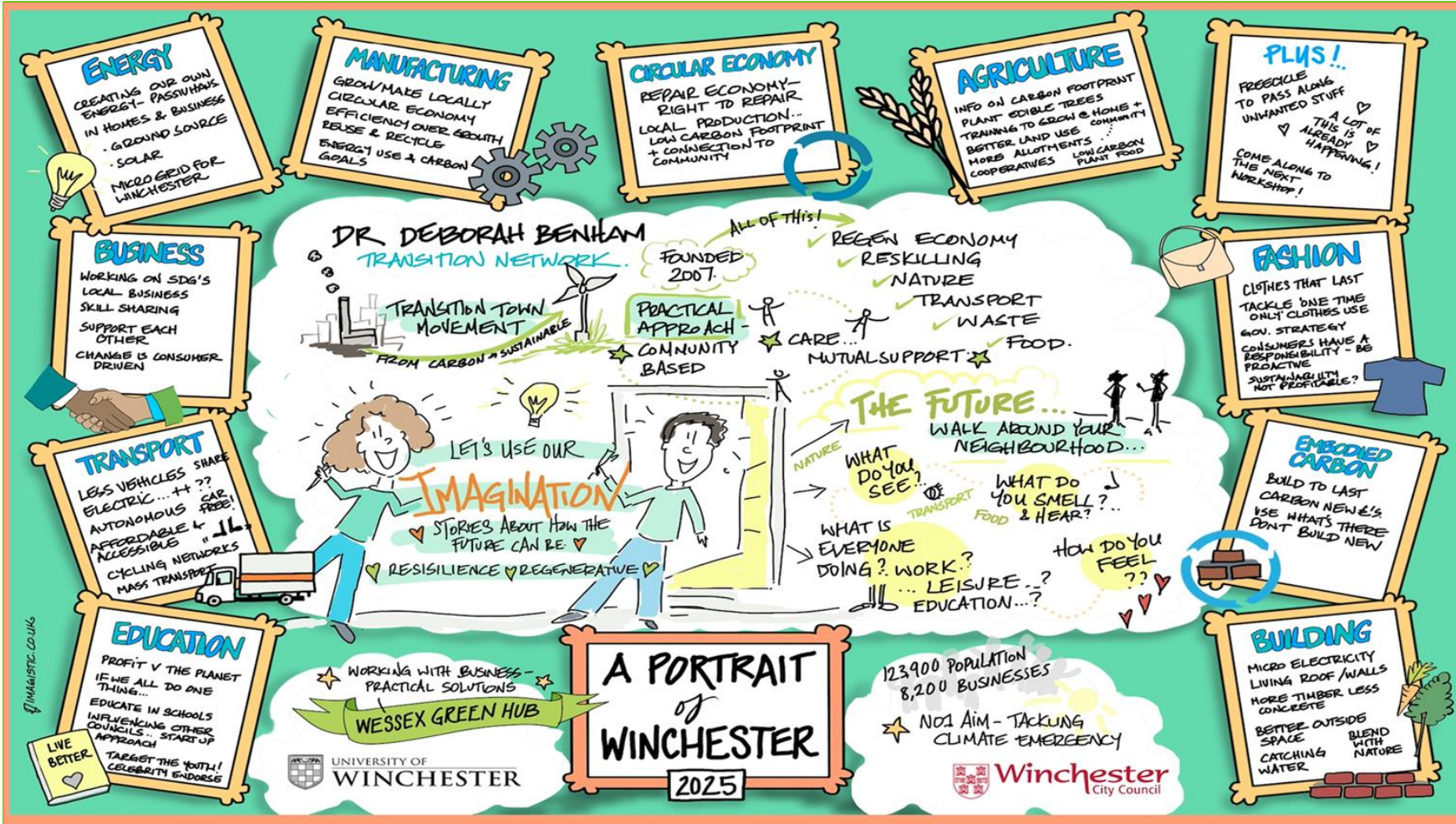
WCC members & officers workshop (June 2021)

The third workshop was coordinated by Wessex Green Hub and led by Rob Hopkins, founder of the Transition Town movement and provided an opportunity to imagine a flourishing future Winchester District. Rob took the elected members and officers who participated on a trip in his Time Machine to a very different future than the one that currently appears to be on offer. He encouraged everyone to be more imaginative, more playful, more capable and to do the kind of big thinking that the Climate Emergency demands.

Imagine Winchester drop-ins (September 2021)

As part of the nationwide Great Big Green Week celebration of action on climate change, two drop in sessions were held in Winchester to encourage local people and visitors to imagine their vision of a thriving District, and to share, discuss, draw and build these visions together. As well as a physical drop-in, the Imagine Winchester initiative will continue to provide a platform for sharing ideas and connecting people to work together to manifest these ideas. The Imagine Winchester platform can be accessed at <http://www.facebook.com/groups/imaginewinchester>

At the first Portrait of Winchester workshop in November 2020 a more regenerative future for the District was imagined across ten sectors

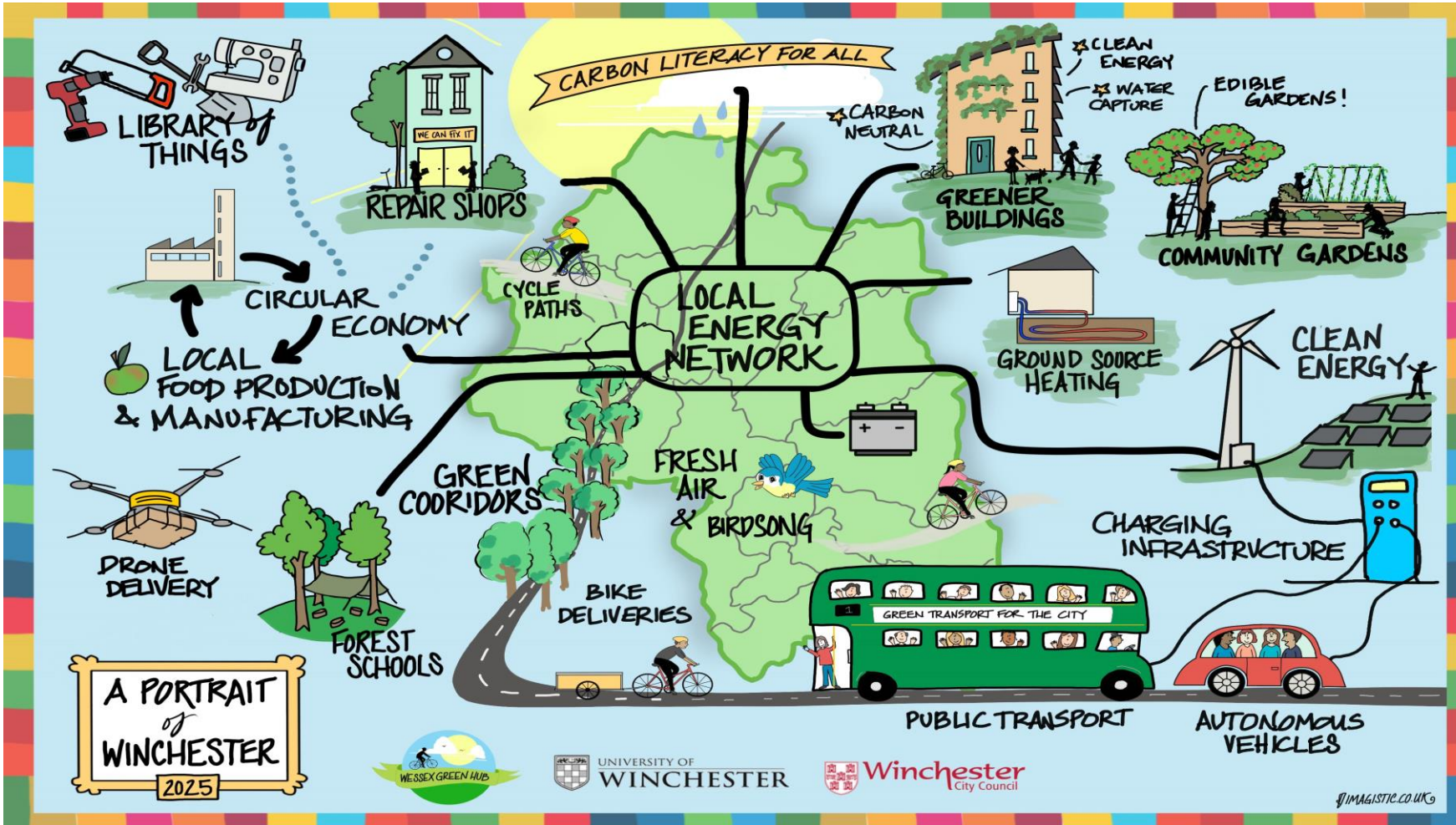


Portrait of Winchester workshop 1 (November 2020)

- Online workshop with an open invitation and around 60 local residents and stakeholders attending.
- Visioning exercise to create a first shared vision of a future Winchester District in 2040.
- Sector specific breakout sessions: Education, Buildings, Transport, Embodied Carbon, Business, Circular Economy, Energy, Industrial Processes, Fashion and Agriculture.
- Analysis of discussions to determine which sectors and subject were included in workshop 2.

Source: Emma Paxton for WCC

The second Portrait of Winchester workshop was held in December 2020 and focused on identifying specific actions and initiatives

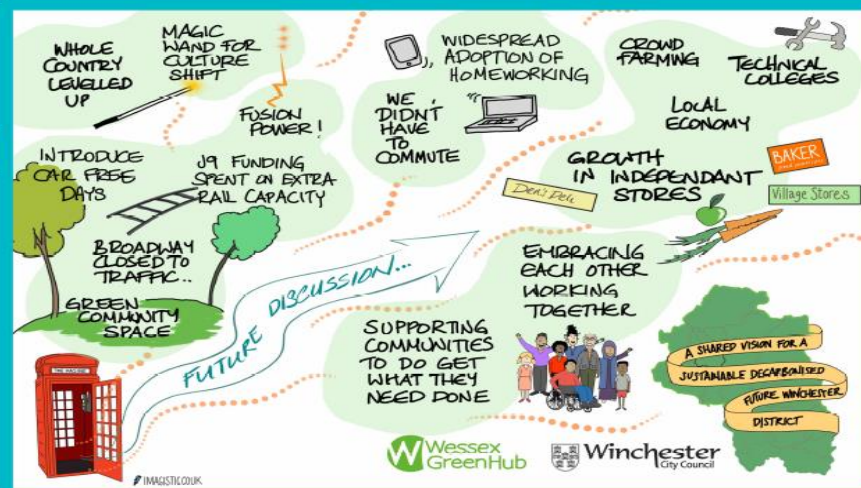
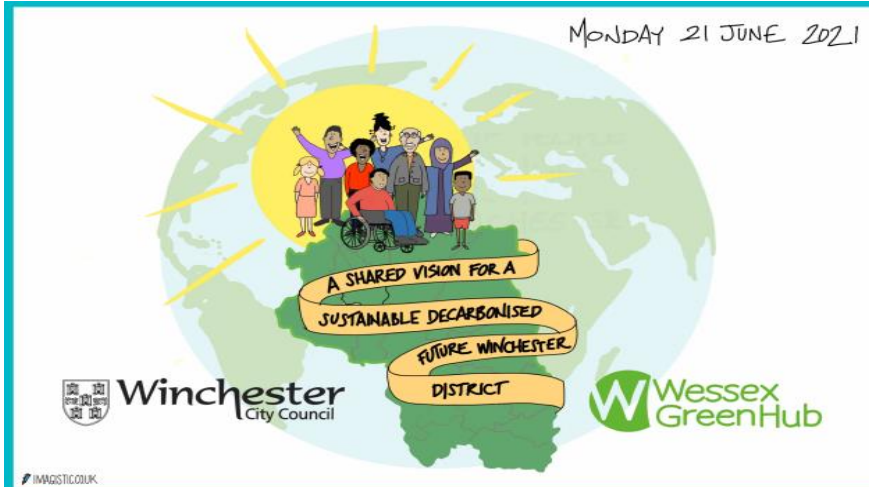


Portrait of Winchester workshop 2 (December 2020)

- Six priority sectors: education, transport, energy, agriculture, circular economy and embodied carbon.
- Focus on determining actions, initiatives and policies that are needed from WCC as well as residents, businesses and other organisations, to get to a sustainable future Winchester District.
- Identified around 80 action and policy recommendations during the workshops.
- Created a visual Portrait of Winchester summarising many of the key ideas that emerged from the workshop discussions.

Source: Emma Paxton for WCC

The third workshop was held in June 2021 for the elected members and officers of Winchester City Council



Portrait of Winchester workshop 3 (June 2021)

- Coordinated by Wessex Green Hub and led by Rob Hopkins, founder of the Transition Town movement.
- Provided an opportunity to imagine a flourishing future Winchester District, thriving in place for people and planet.
- Rob invited the participants to be more imaginative, more playful, more capable and to do the kind of big thinking that the Climate Emergency, which WCC has declared, demands.
- The response was very engaged and positive from all participants.

Source: Emma Paxton for WCC

As we move from 'What is' through 'What if' to 'What next' we will be continuing to develop an online and physical space to 'Imagine Winchester'



Imagine Winchester

The next step is to create a forum of connection and practice - both online and in person - to share ideas and exchange information and develop initiatives - bringing together some of the ideas of the Amsterdam Donut Coalitie and the Bologna Civic Imagination Office.

Imagine Winchester provides a forum for individuals, organisations and businesses to come together, to connect and to identify opportunities, actions and dreams for the local area.

This is an initiative to inspire local people and motivate businesses and organisations to improve their sustainability, to tackle the climate emergency and improve social justice through regenerative and sustainable work and community practices. It will bring together passionate, caring people from all parts of the community as well as local organisations to imagine and create a kinder, fairer, more connected local society.

Imagine Winchester is available to everyone in the local area, across all races, ages, genders and socio-economic conditions.

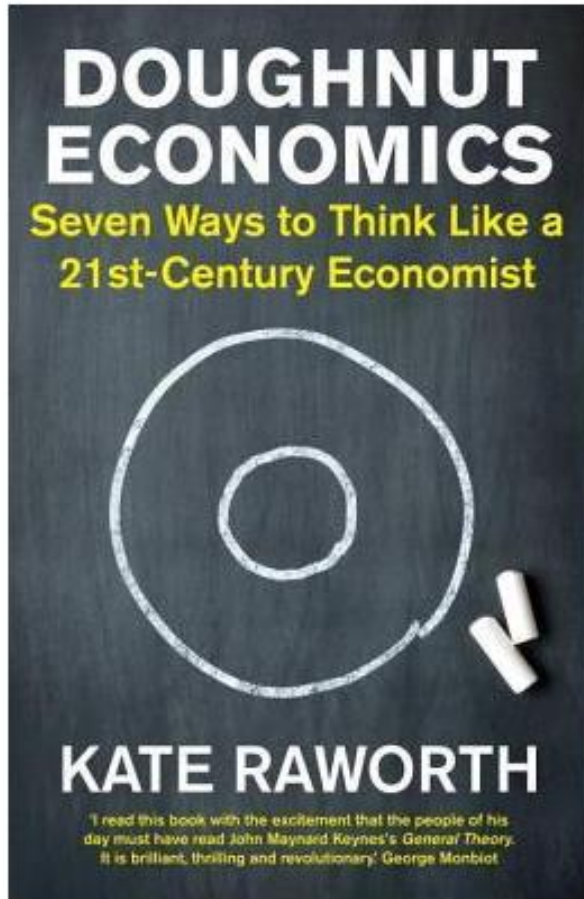
<https://www.facebook.com/groups/imaginewinchester>

Credits: (1) Bologna Civic Imagination Office; (2) Rob Hopkins; (3) Institute of Imagination <https://ioi.london/>
(4) Design by: www.alistephens.co.uk , volunteer designer of Transition Kentish Town

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To get from where we are now to the thriving future Winchester District that has been imagined we are encouraging the adoption of Doughnut Economics

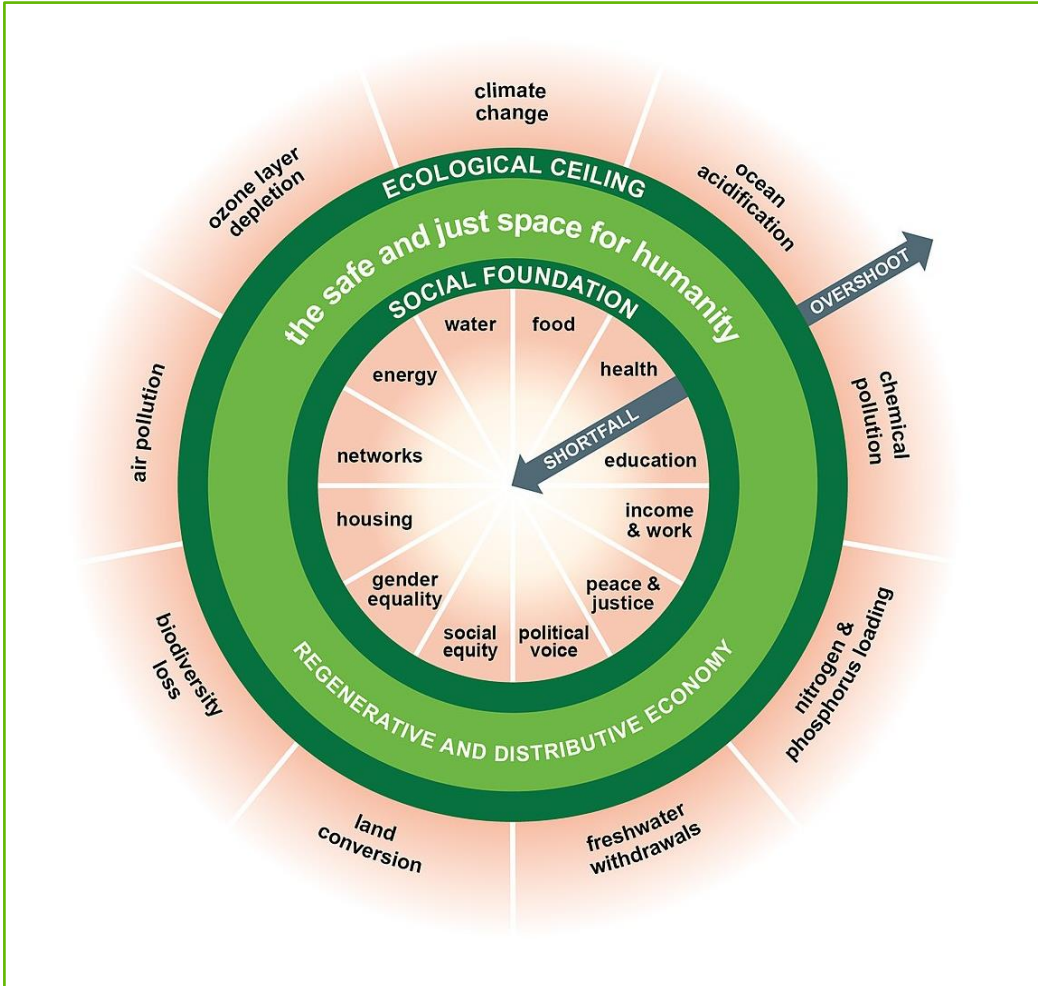


Source: Raworth, K. (2017a)

What is Doughnut Economics?

- The Doughnut is an economic mindset which is fit for the context and challenges of the 21st century and is a way of thinking that brings about regenerative change.
- The starting point for the Doughnut is to change the goal from endless GDP growth to thriving within the Doughnut.
- Developed by Kate Raworth and initially published as part of her Oxfam report in 2012, the concept of Doughnut Economics has rapidly developed attention within cities around the world.
- Doughnut Economics offers a vision or pathway into what it means for humanity to be able to thrive in the 21st century by exploring the mindset and ways of thinking necessary in order to achieve its targets. It is a way of meeting the needs of all people within the means of the living planet.
- The ideas of Doughnut Economics are currently being put into practice in regions and cities in the UK and across the world including Cambridge, Cornwall, Wales, Melbourne, Brussels and Amsterdam.
- Further information at <https://doughnuteconomics.org/about-doughnut-economics>

The Doughnut is defined as the ecologically safe and socially just space which meets the needs of all people and in which humanity can thrive



Source: DEAL (2020b)

What is the Doughnut?

The Doughnut can be thought of as a compass for human prosperity in the 21st century, whose goal is to meet the needs of all people within the means of the planet. It consists of two concentric rings:

- A **social foundation** – below which lies critical human deprivation, to ensure that no one is left falling short on life's essentials,
- An **ecological ceiling** – beyond which lies critical planetary degradation, to ensure humanity does not collectively overshoot planetary boundaries.

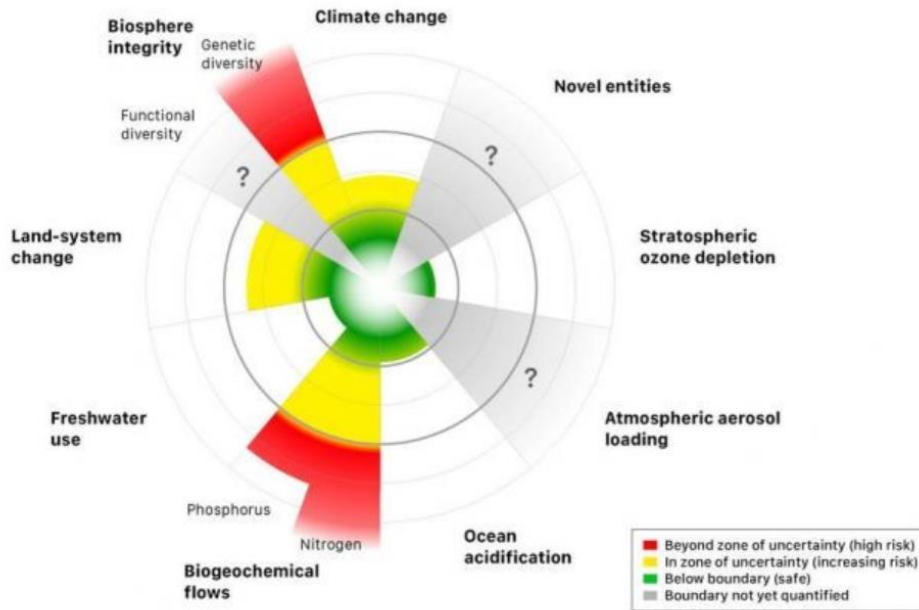
Between these two boundaries lies a doughnut-shaped space that is both ecologically safe and socially just – a space in which humanity can thrive.

These two boundaries are foundational in the sense that humanity should always seek to avoid critical human deprivation and critical planetary degradation. But how best to define their specific dimensions and measure their current status relative to desired outcomes will keep evolving over time.

The Doughnut's dimensions are based on robust analysis developed by Earth-system scientists and the UN's Sustainable Development Goals

The Ecological Ceiling

The 9 dimensions of the ecological ceiling are the nine planetary boundaries defined by Earth-system scientists.



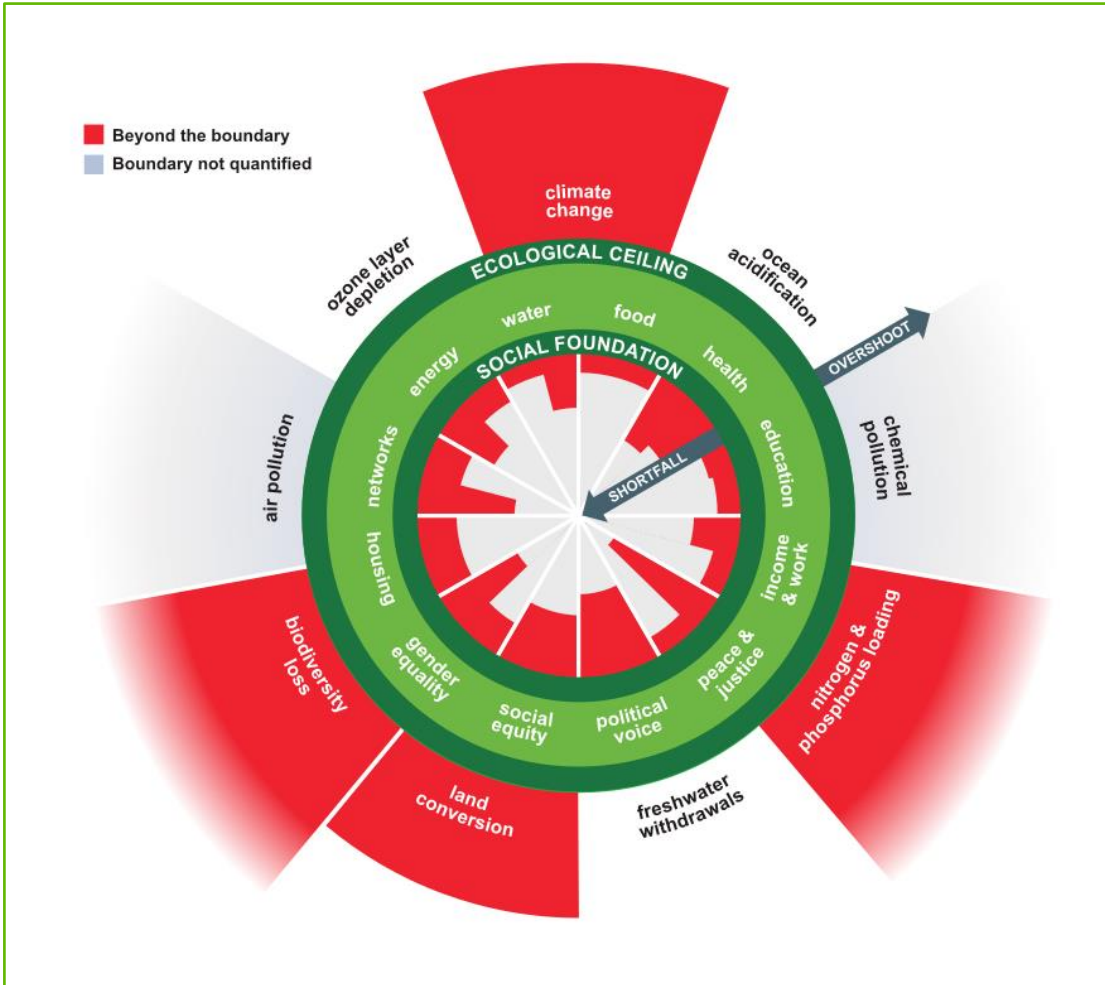
The Social Foundation

The 12 dimensions of the social foundation are derived from the social priorities agreed in the UN's Sustainable Development Goals.



Source: DEAL (2020b), Steffen et al. (2015), UN (2015)

Each dimension of the Doughnut is quantified using well-defined metrics and the amount of red shows the extent of shortfall or overshoot of each boundary



Quantifying the Doughnut

The image shown here reveals the current state of humanity and our planetary home: it can be thought of as humanity's 'selfie' in the early days of the 21st century.

Each dimension is measured, where possible, with 1 or 2 indicators, and the red wedges show the extent of shortfall and overshoot of the Doughnut's social and planetary boundaries.

It shows us that millions of people still fall short on all 12 of the social dimensions, and that humanity has already overshoot at least four planetary boundaries (air pollution and chemical pollution are currently unquantified).

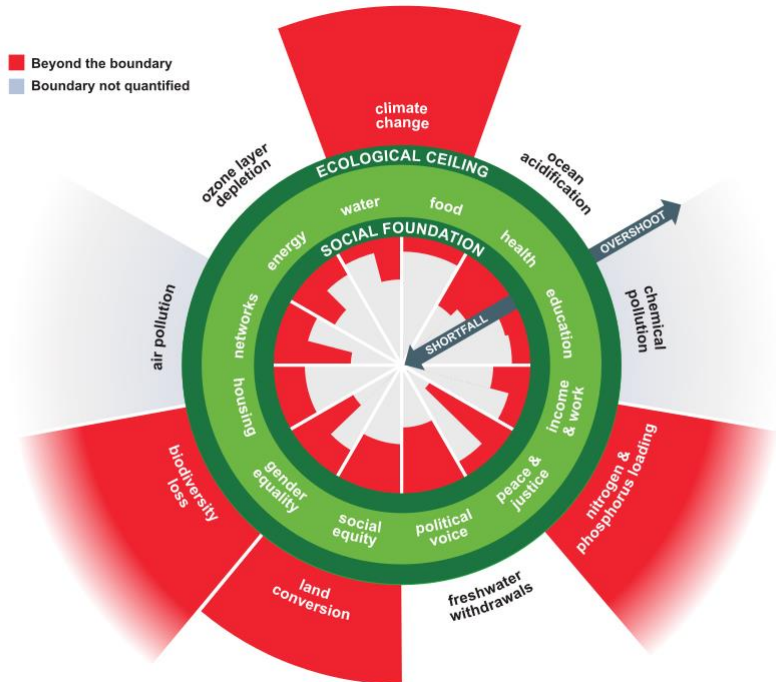
To achieve the 21st century goal of meeting the needs of all within the means of the living planet means eliminating all of the red from the Doughnut diagram, and this must be done from both sides at the same time.

Source: DEAL (2020b)

How do we move from our current situation with ecological overshoots and social shortfalls in so many dimensions to a regenerative and just place?

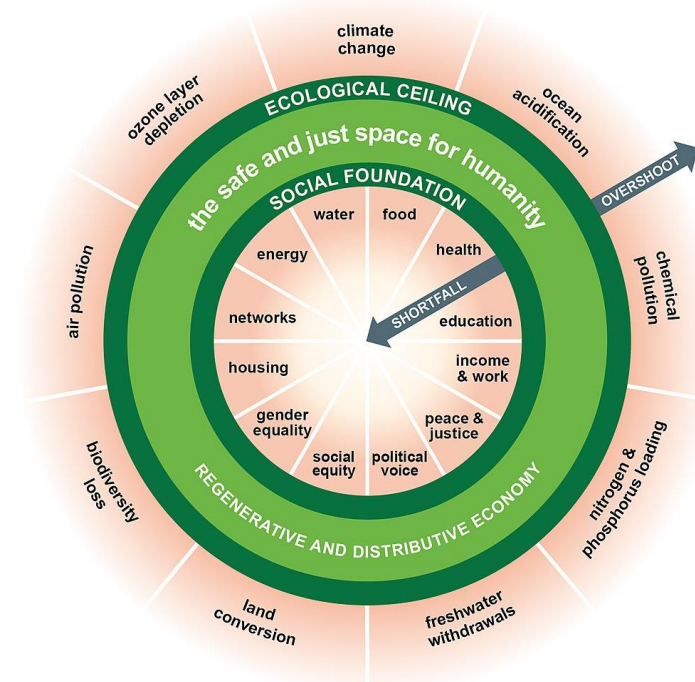
2021: Example of current situation

Currently at both a global and a local scale we are overshooting our planetary boundaries and falling below the social foundations needed for human wellbeing, and this is not sustainable.



2040: Possible regenerative future for Winchester

By 2040 could a flourishing Winchester District be thriving and healthy with sufficient social foundations and within planetary boundaries, both locally and globally?



Source: DEAL (2020b), Raworth, K. (2017b)

The Doughnut can be used at a more local level as well. Here we demonstrate “Downscaling the Doughnut: from Global Compass to City Portrait”

The 4 Lenses of the City Portrait:

We adopted the City Portrait tool designed by the Thriving Cities initiative. The tool provides a holistic snapshot of the city and its impact through four lenses – social, ecological, local, and global.

For example.

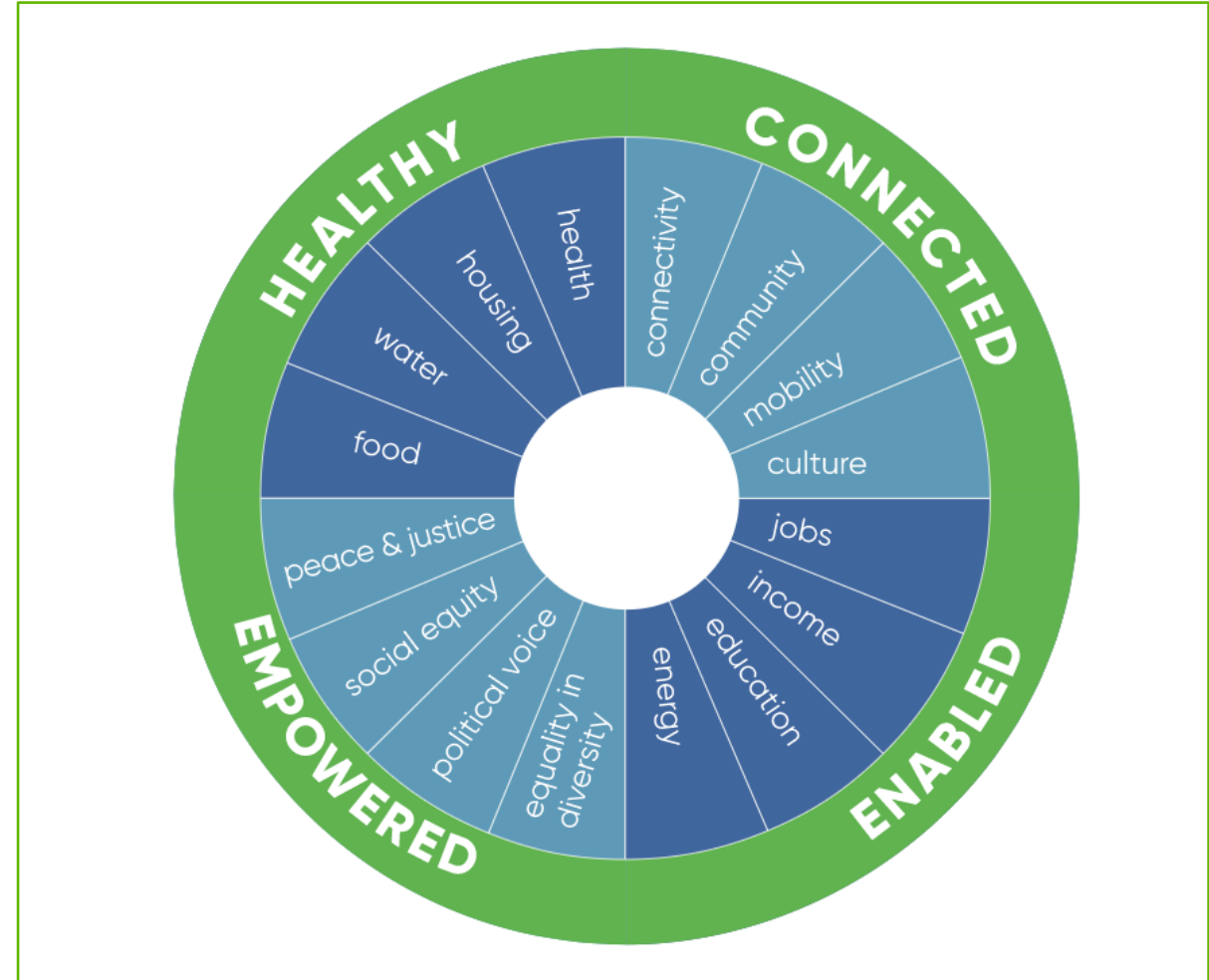
When do you experience Winchester as a *healthy* city?

When do you experience Winchester as an *unhealthy* city?

What *challenges* does Winchester experience in being a healthy city?

How does it *feel* to live in a healthy city?

	SOCIAL	ECOLOGICAL
LOCAL	What would it mean for the people of this city to thrive?	What would it mean for this city to thrive within its natural habitat?
GLOBAL	What would it mean for this city to respect the wellbeing of people worldwide?	What would it mean for this city to respect the health of the whole planet?



Source: TCI (2020) Creating City Portraits: a methodological guide from The Thriving Cities Initiative. Oxford: Oxford University

There are clear and strong interconnections between the Portrait's different lenses as demonstrated here through a focus on food

Should Winchester import its food or aim to grow its own?

Local – Social and Global – Ecological:

The coronavirus pandemic had a significant and unequal impact on people's finances – with a sharp increase in claims for Universal Credit in April 2020, and a record 2.5 million emergency food parcels given to people in crisis by the Trussell Trust between April 2020 and March 2021.

Strengthen the Local Economy:

In the past 18 months, Hampshire farmers and bakeries have come to the rescue by providing healthy, sustainable food.

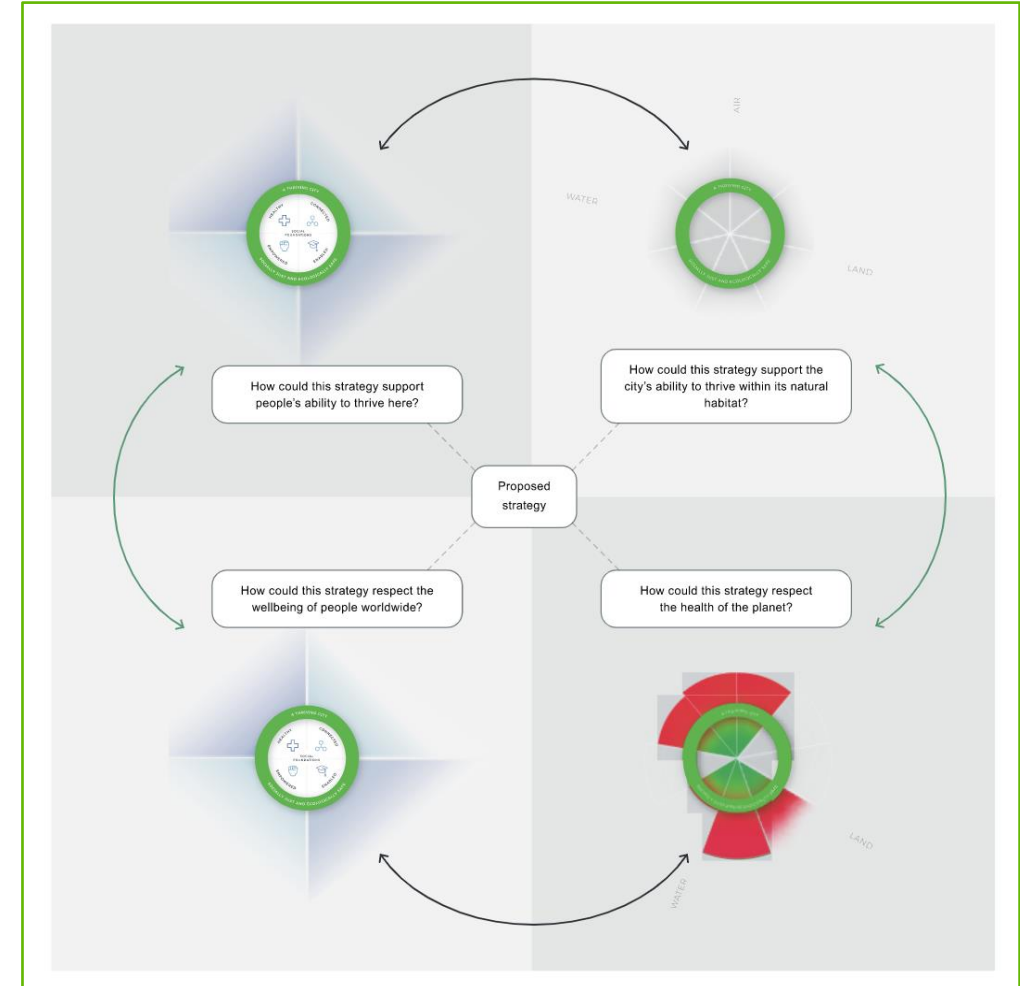
Major supermarkets sell food originating from all over the world, which has far-reaching implications, socially and ecologically. They can create valuable rural jobs in both high- and low-income countries but carries a high carbon footprint for distant transport.

Strong and Resilient Communities:

Agricultural Organisations have estimated that at least 800 million people grow food in and around cities worldwide. Many of these people are poor and growing some supplemental produce can make a real difference to their economic and physical health.

Urban food farms in Winchester can create local jobs, and enrich urban biodiversity, enhance food security and promote community understanding of the connection between food, human health, and the living world. At the same time, the Winchester community can work together to tackle and eradicate food poverty.

Source: DEAL (2020a), Quaker Social Action (2020)



Lessons from five cities: what's similar, what's different, and how might other cities “start well”?



- This study examines the initial implementation and development of the Doughnut method in five cities (Sydney, Berlin, Melbourne, Brussels and Amsterdam) which are all in different stages of their journey.
- It provides an overview of the initiatives and actions each of these cities is taking in order to implement the Doughnut successfully.

“What we learn we share, we don’t hold back behind the doors of the City or University.” — Jennifer Drouin, Amsterdam.

- Amsterdam , Brussels and Melbourne are funded. All have dedicated community platforms, monthly community meetings, monthly newsletters, and at least one funded team member who channels enquiries coming through the community platform.
- “Top tips’ for getting started with implementing the Doughnut include: **‘Align the doughnut to problems and values to get funding’, ‘Find the others, find the right energies’**, outlining the need to spend time building relationships and trust which was emphasised by all cities.
- Other guidance is **‘Be patient. Don’t force things and don’t feel like you need to start from scratch’, ‘Agree on minimum processes’ and ‘Build in time for reflection and iteration’**.
- These offer a place to begin for ‘people who are keen to ‘do’, but don’t know where to start’.

Source: Goodwin, K. (2019)

Melbourne Doughnut Economics Model:

REGEN MELBOURNE (2020)

Regen Melbourne was convened in 2020 by a range of organisations, e.g., the Lord Mayor's Charitable Foundation and the Small Giants Academy, at the height of the COVID-19 pandemic. It brought together 700 individuals and 40 organisations from different disciplines and sectors (food, health).

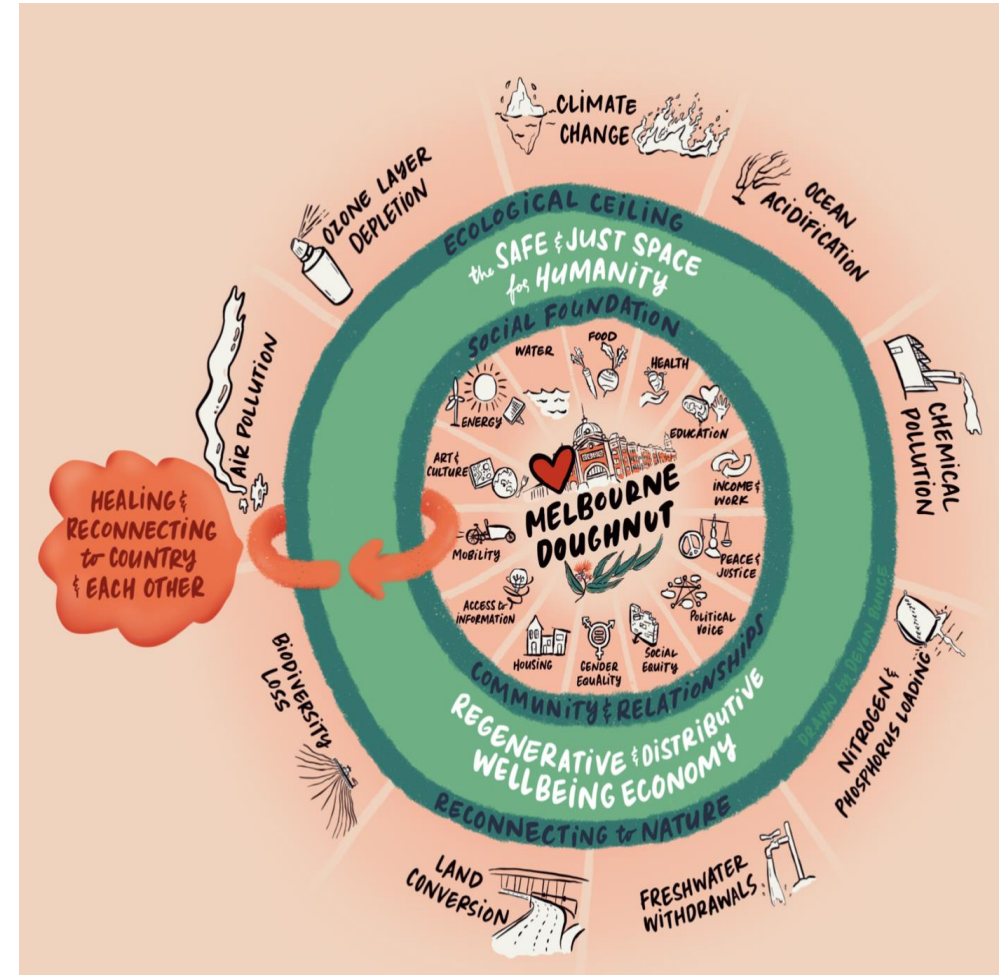
PROJECT AIMS:

From the outset, Melbourne had a very clear purpose to downscale Kate Raworth's Doughnut Economic model and investigate its adaptability in the unique context of the South Pacific. Next, to engage local communities and organisations in developing preliminary insights of how they might develop a regenerative future for their own locality.

But they didn't stop there. The conveners engaged the marginalised First Nation People as Traditional Custodians of Melbourne, arguing that "Sovereignty was never ceded. This was, and always will be Aboriginal land" (Regen Melbourne, 2020).

Finally, they sought to explore the value of bringing together people, organisations, research, and projects in driving the city of Melbourne to the sweet spot of a "safe and just space for humanity" and develop a road map for the future.

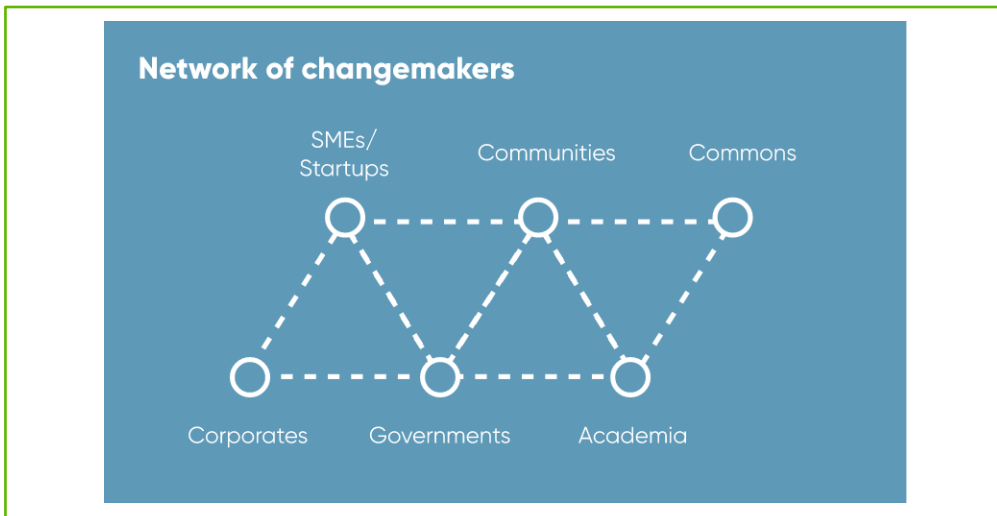
Source: Regen Melbourne (2021)



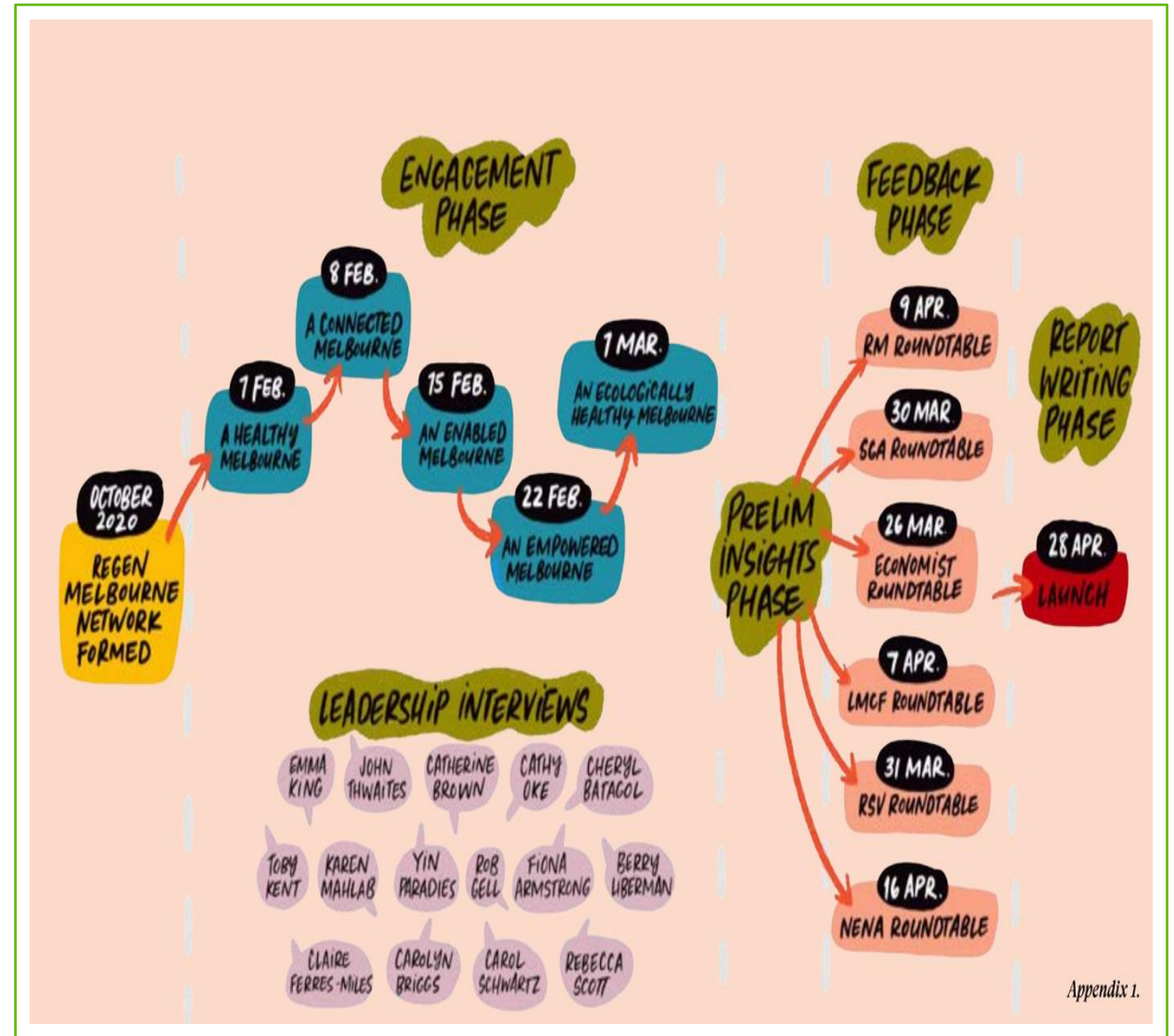
Doughnut Economic Model Applied to Melbourne, Australia (Regen Melbourne, 2021)

A NETWORK OF CHANGEMAKERS:

Melbourne employed a unique Community Engagement Model of 5 participant forums, 15 leadership interviews and 6 roundtable discussions.



Source: Regen Melbourne (2021)



Appendix 1.

The local portrait or vision can then be turned into transformative action by developing a roadmap with clear steps as has been done in other regions

For example, the **Creating City Portraits Methodological Guide** developed by the Thriving Cities Initiative sets out nine steps to generate action for those who want to develop and implement an effective Doughnut approach in their region or city:

1. Mirror

Reflect on the current state of the city through the portrait's holistic perspective

2. Mission

Create a compelling vision of what it means to become a thriving city

3. Mobilise

Bring together the city changemakers and stakeholders needed to bring about change

4. Map

Identify existing initiatives, policies and strategies that are already taking the city in this direction

5. Mindset

Embrace the values, ways of working and new narratives that underpin the deeper shifts required

6. Methods

Draw on complementary tools that serve to expand the city portrait's analysis and deepen its insights

7. Momentum

Create an interactive process that drives cycles and transformative policy and action

8. Monitor

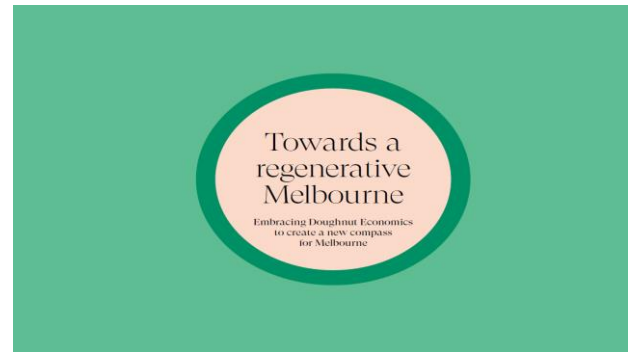
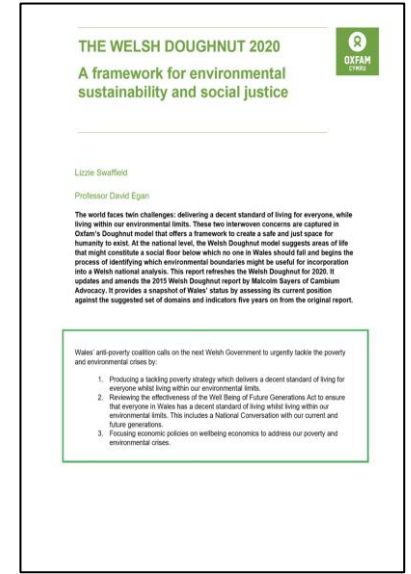
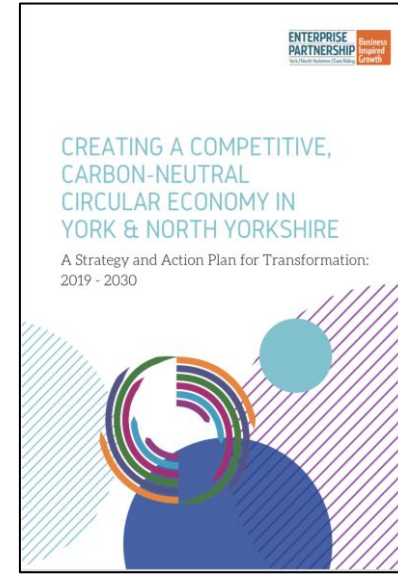
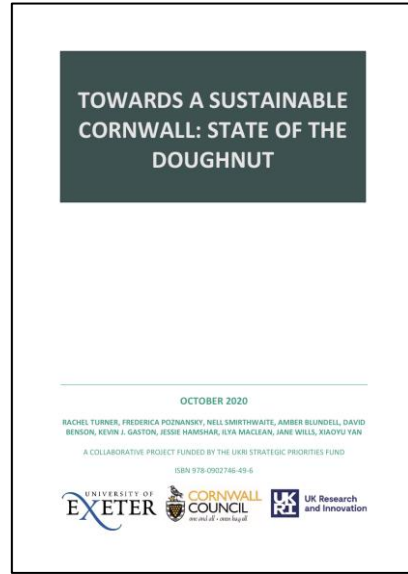
Assess progress against leading indicators that enrich the City Portrait

9. Mmm

Make it irresistible: be creative, have fun, share learning and stories of success, and celebrate

Source: DEAL (2020a), TCI (2020)

A Doughnut approach is now being used in a number of regions and cities in the UK and around the world, including Cambridge, Cornwall, Wales, Melbourne, Berlin and Amsterdam, and this study draws on these experiences



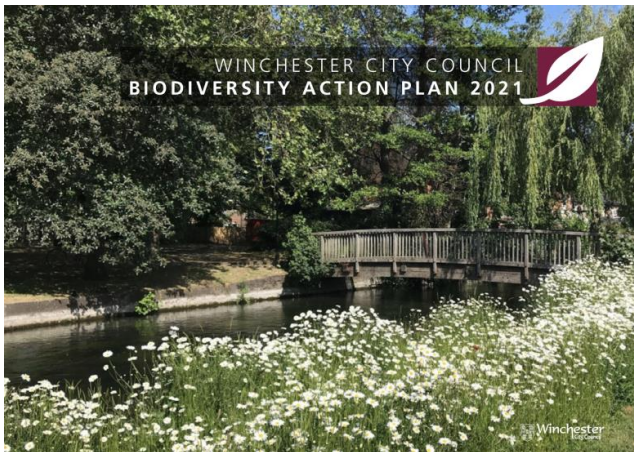
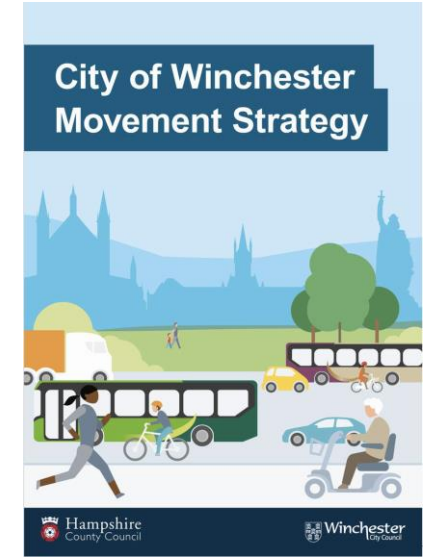
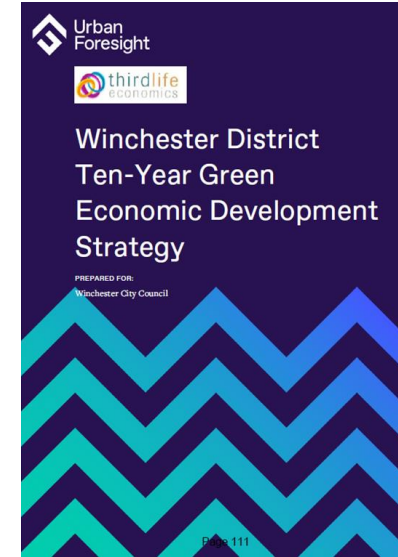
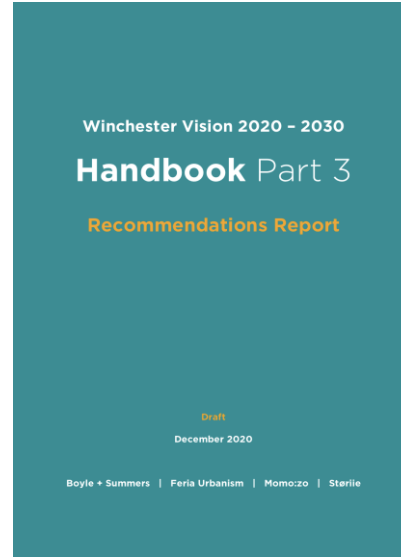
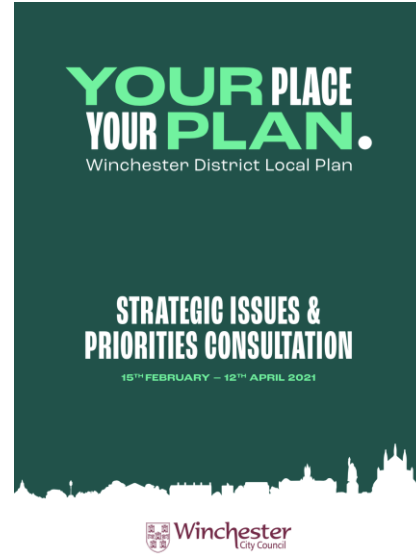
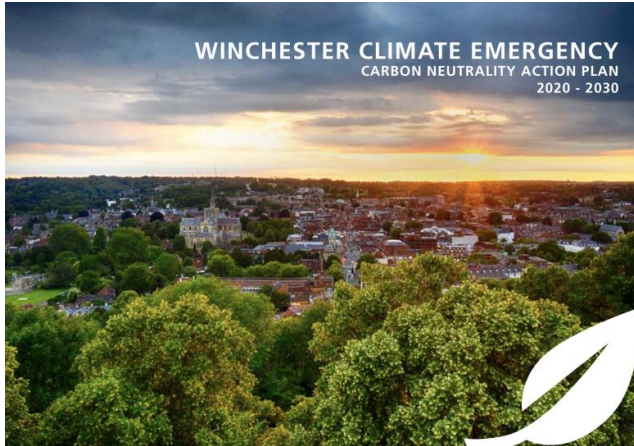
Source: TCI (2020); University of Exeter (2020); Oxfam Cymru (2020); DEAL (2020a); Regen Melbourne (2021).



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A number of key local strategies and plans were reviewed in order to understand what they include and how they connect with one another



Source: A list of all the documents relating to Winchester that were reviewed for this study is included at the end of this report. The Ten-Year Green Economic Development Strategy was not included in the review due to the timing of publication.

Winchester City Council – Carbon Neutrality Action Plan 2020-2030

This Carbon Neutrality Action Plan was produced in response to Winchester City Council declaring a climate emergency in June 2019 and provides targets, actions, governance and headlines for the programs and projects needed for the delivery of this strategy.

The subsequent aims from this declaration are to commit to making the activities of Winchester City Council carbon neutral by 2024, and the district of Winchester carbon neutral by 2030; publish a report within six months setting out the immediate actions the council will take to address this emergency; work with partners across the district to deliver this new goal through all relevant strategies and plans; and support the lobbying of Government in relation to the Climate Emergency.

This report was produced to outline how both Winchester City Council and Winchester District aim to reduce or eliminate and offset its own carbon emissions and clearly details the actions which need to be taken to be able to support and help others like businesses, agencies and organizations to take action so that the district can become carbon neutral. These are:

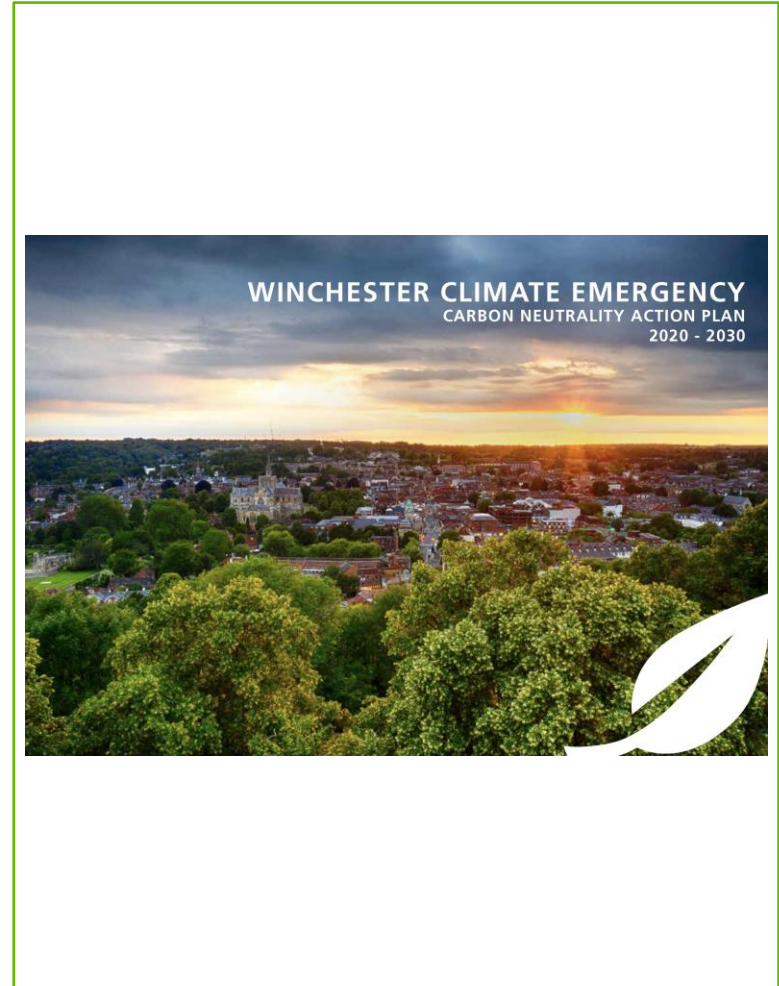
Scope 1: covers the Green House Gas (GHG) emissions that an organisation makes directly,

Scope 2: indirect emissions caused by the purchase of energy from external sources

Scope 3: emissions that an organisation is indirectly responsible for, up and down its value chain.

The plan details the actions that promote climate resilience. These include; biodiversity, waste and recycling, planning and development and commerce and economy. The Council is measuring success using the World Resources Institute Greenhouse Gas Protocol (GHG) looking at direct and indirect emissions resulting from the councils upstream and downstream activities.

Source: Kuebler-Ross, E. (2021), WCC (2020a)



Winchester City Council: WCC Biodiversity Action Plan 2020 - 2030

This report was produced in response to the depletion of a large number of priority habitats, including lowland, grassland, lowland meadow, lowland mixed woodland, wet woodland and wood pasture and parkland. Biodiversity in the UK has been massively depleted by centuries of habitat loss, management changes, development and persecution.

This report sets out the aims and actions for the Biodiversity Action Plan 2021 as well as how these will be delivered in the future. The report looks into existing work that has been implemented by Winchester City Council and details how this existing work can be used to aid future development.

The plan sets the direction for how Winchester City Council will respond to the need to protect, enhance and restore key biodiversity across the district with a particular focus on the Council's own operations and outlines the priorities and key data sets that are being used to drive positive action.

The current state (with latest available data) shows a decline in Winchester from 2006 to 2018 with the loss of: 19.2 % Lowland Calcareous Grassland, 44.9% Lowland Meadow, 12% Lowland Mixed Deciduous Woodland, 8.6% Wet Woodland and 69.1% Wood Pasture & Parkland. With this in mind, the plan aims to help address these factors by providing strategic direction to restore biodiversity over a 5-year period, halting the loss of habitats and species, monitoring decline, being an exemplar and working in partnership with volunteers and the community.

Source: WCC (2021a)



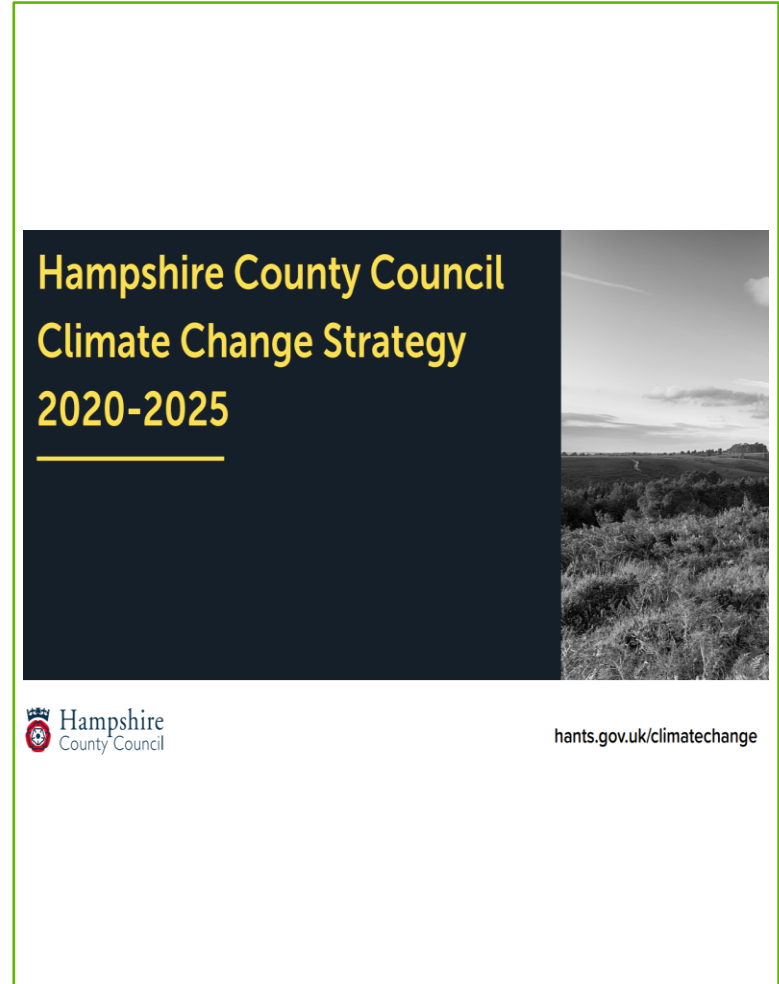
Hampshire County Council Climate Change Strategy 2020-2025

The Vision for Hampshire 2050 was established in 2018. The strategy was developed to set out Hampshire County Council's (HCC) approach to tackling the sources and mitigating the impacts of climate change. HCC declared a climate emergency in 2019, with 2 key targets: 2050 carbon neutrality and preparing to be resilient to the impacts of a 2.0 degree C temperature rise.

The vision for HCC is to recognise the changing climate as its biggest threat, and that a well-adapted and resilient Hampshire will be essential to ensure that the local economy, environment and society continues to thrive and prosper. The approach taken aims to lead, empower and stimulate action on climate change and the strategy outlines the policy of "*developing and promoting a focus on embedding climate change resilience and mitigation across key policies and sectors, working with communities across Hampshire*". The key principles outlined in the strategy are:

- Carbon hierarchy: avoid, reduce, replace & offset. Avoid carbon intensive activities, reduce your impact by increasing efficiency, replace high carbon energy sources with lower carbon energy provision, offset those emissions that cannot be tackled by the above;
- Co-benefits: prioritize actions that deliver co benefits such as reducing congestion, improving air quality, improved health and economic growth;
- Proportionate affordable equitable;
- Accelerate where appropriate;
- National government - policy and funding;
- Digital and innovation.

Source: HCC (2020)



One Great Win – Winchester Vision 2020-2030

'One Great Win' was an action taken to contribute to the Winchester Vision 2030, asking stakeholders "what's the one thing that you wish you could share with your great great great grandchild?". This engaged with people in many ways, setting a vision for the next decade, which also feeds into the local plan through the Winchester Town Forum.

The report is the third part of a trilogy of reports together representing the Vision for Winchester 2020 – 2030 and clearly outlines and sets out several strategies, principles, and recommendations. It applies to all residents who live and work in the city and focuses specifically on the people of Winchester, not on buildings or urban master plans. It explores ways in which they "make and inhabit Winchester", and acts upon their call for greater agency. A primary focus of the vision must be to invest in communities and networks that emphasise walking.

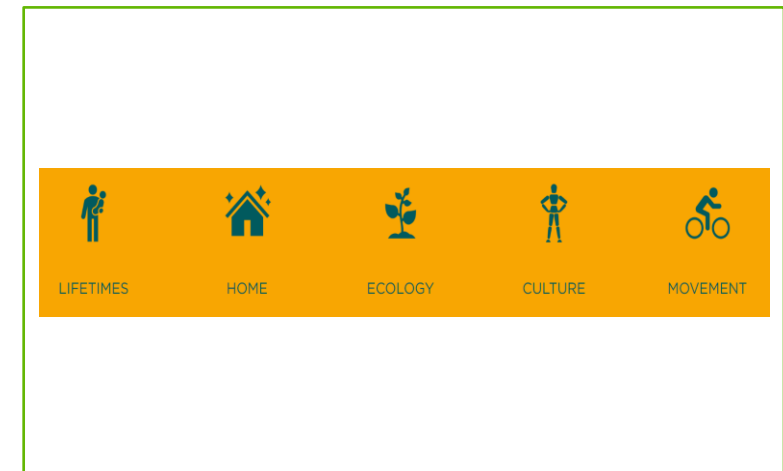
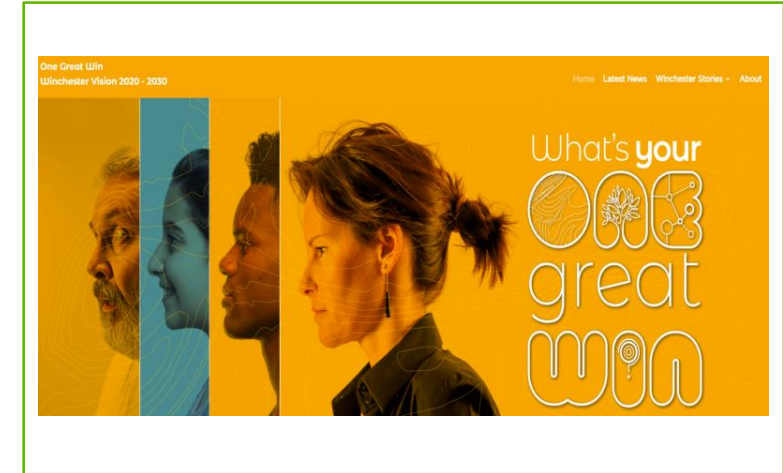
The report identifies three approaches to making change happen and describes how these approaches could be applied across the city. For example:

1. The City Made by Walking,
2. Establishing Mechanisms that Enable Communities,
3. Auditing & Sharing Resources.

A set of handbooks were created to enable action, present the research and act as instruction manuals:

- Handbook 1 captured the early research unique to each topic, with case studies and inspiration;
- Handbook 2 provided a record for 4 weeks of live projects;
- Handbook 3 outlines a set of recommendations and actions.

Source: One Great Win - Winchester Vision 2020-2030



This report has identified a number of key areas of focus from the review of key strategies and plans

Summary and conclusions from review of key strategies and plans

The themes running through the strategies, plans and initiatives to mitigate and adapt to climate change include a focus on a number of key areas:

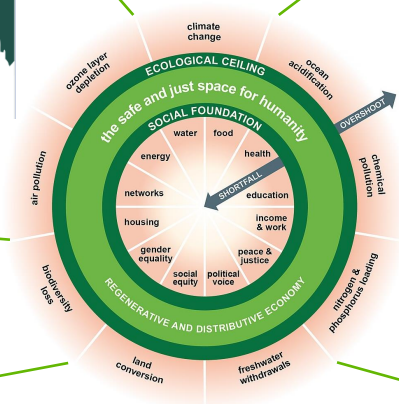
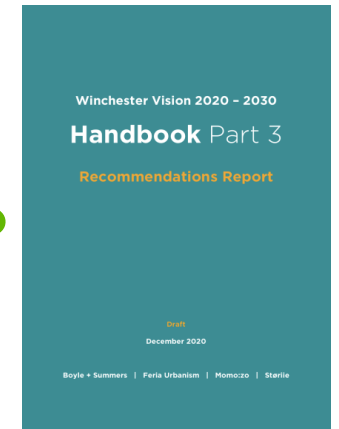
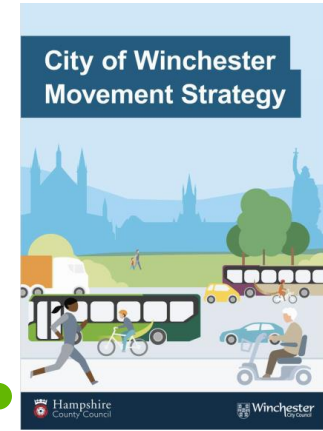
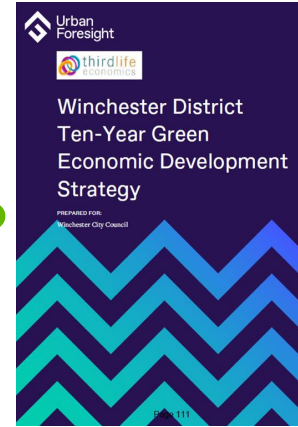
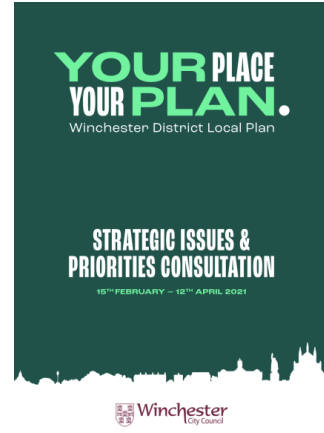
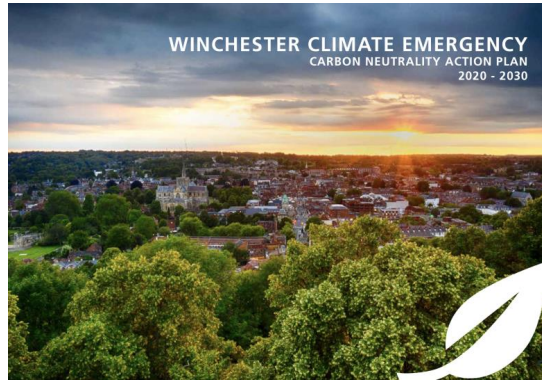
- **Organisational emissions** – aiming to become exemplars for the community in order to share good practice from a strong position.
- **Community and community led projects.**
- **Energy** – reducing reliance on high emission energy generation, capacity and generation.
- **Rewilding** – greening of city spaces and protecting biodiversity through habitats managed by the Council.
- **Innovation** – funding and supporting a move to the circular economy, developing eco systems for business.
- **Transport** – decrease the reliance on the car, invest in public transport, enable electrification, cycling and walking strategies.
- **Residential / built environment** – upgrading current residential stocks for energy efficiency.
- **Waste and the circular economy** – reduce waste going to landfill through programmes of waste prevention, efficiencies, materials in use.
- **Business** – promoting a move to regenerative business through design thinking, innovation, collaboration and co-operatives.

The key strategies and plans provide opportunities, hope and challenges to achieve net zero. Partnerships and working groups have been initiated and are continuing to work on these issues and challenges.

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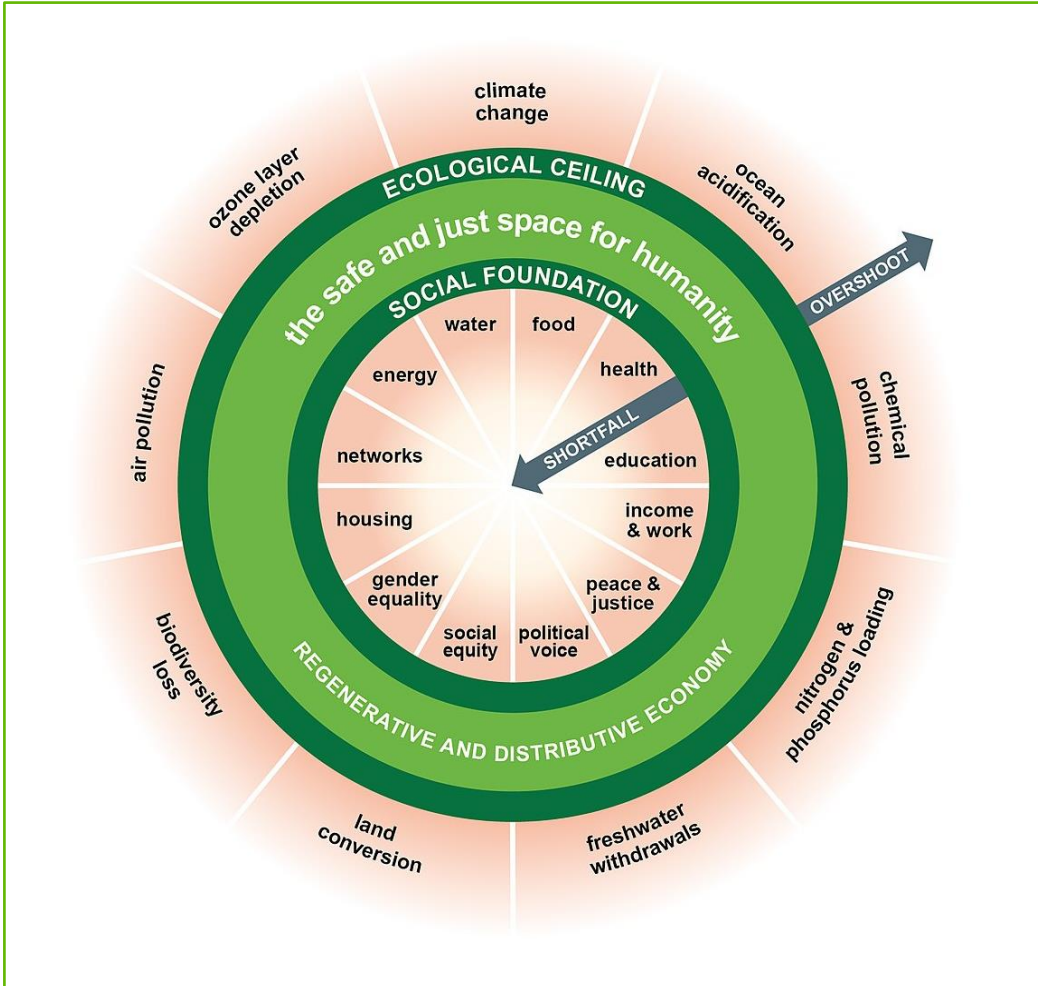
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The Doughnut has the potential to offer a holistic framework which connects and aligns existing and future strategies and plans for Winchester District



Source: A list of all the documents relating to Winchester that were reviewed for this study is included at the end of this report.

The doughnut can be applied to Winchester by deciding how to apply each dimension, identifying appropriate indicators and mapping current strategies



How to apply the Doughnut

- A comparison has been made of the environmental ceiling dimensions used in a number of different cities and regions (original Doughnut Economics, UK, Amsterdam, Cornwall and Wales) together with suggested dimensions which might be appropriate for Winchester.
- For each of these environmental ceiling dimensions, the appropriate indicators for the specific location are identified – on page 40 indicators appropriate for Winchester have been suggested.
- Each of the selected key strategies and plans reviewed earlier in this report have been mapped to the environment ceiling dimensions to illustrate which will be impacted by these strategies and plans.
- The next step would be to create a dashboard for WCC to communicate the impact of all proposed and actual decisions on the dimensions of the Winchester Doughnut, and then to develop a model to allow WCC to test the impact of plans and initiatives on all the dimensions of the Doughnut.
- The comparisons set out on the next three pages apply to the dimensions of the ecological ceiling. A similar comparison can be carried out for the dimensions of the social foundation.

Source: DEAL (2020b)

Comparison of environmental ceiling dimensions used in different locations together with proposed dimensions for Winchester

Doughnut Economics	UK Doughnut	Cornwall	Wales	Winchester (suggested)
Air pollution	Air quality	Air pollution	Air quality	Air quality
Biodiversity loss	Biodiversity loss	Biodiversity	Biodiversity	Biodiversity
Chemical pollution	Chemical pollution	Chemical pollution	Chemical pollution	Pollution
Climate change	Climate change	Climate change	Climate change	Climate Change
Renewable energy	Renewable energy	Renewable energy	Renewable energy	Renewable energy
Water resources	Global fresh water	Water resources	Global fresh water	Water resources
Land conversion	Land use change	Land use change	Land use change	Land use change
N&P loading	Nitrogen cycle		Nitrogen cycle	
	Phosphorous cycle		Phosphorous cycle	
Ocean acidification	Ocean health	Ocean health	Ocean Health	Ocean health
Ozone-layer depletion	Ozone depletion		Ozone depletion	
Circularity / Waste		Waste		Circularity / Waste
		Soil and waterway health		Soil and waterway health
		GHG emissions		GHG emissions

Source: Amsterdam, Cornwall, Wales reports (see page 30)

Comparison of environmental ceiling indicators used in different locations together with proposed indicators for Winchester

Dimension	UN SDGs	Amsterdam (Local)	Amsterdam (Global)	Cornwall	Wales	Winchester (suggested)
Air quality	3,12	Air quality regulation	PM2.5 emissions	Annual mean NO2	Particulate Concentration	NO2 & particulates
Biodiversity	14,15	Biodiversity support	Sustainably managed fish stocks	Biodiversity trends, progress towards Aichi targets	UK Farmland Birds Index	Biodiversity trends, progress towards Aichi targets
Pollution	12,14	Reduce Co2 emissions by 55%		Chemical quality of surface waters	Ozone depleting substances	Water & farmland (industrial) pollution
GHG emissions	7,13	Carbon sequestration	CO2 emissions	Territorial CO2 emissions	Consumption of CO2 equivalent	Territorial & Consumptive CO2 emissions
Renewable energy	7	Temperature regulation, Energy harvesting, utilise 2/3 energy potential				% energy from non-GHG / renewable sources
Water resources	15	Water provisioning	Blue water footprint, freshwater withdrawals, supply-demand	bathing water quality, Pollution status of water bodies		Supply-demand balance of fresh water
Land use change	14,15	Erosion protection, green infrastructure	Excessive land use (eco footprint), excessive fertilizer use, environmental growth	Land use for environmental growth	Land use development, Chemical status of Welsh rivers, proportion of sustainable fish stock	Conversion greenfield to development & natural to cropland; proportion protected land
Soil & water health	14		Nitrogen emissions to water			River water quality
Ocean health	12		Overfishing, Ocean acidification	Sustainably harvested fish stocks		Not applicable
Circularity / Waste	12		Total household waste	Household waste disposal (total & % recycled)		Circularity metric
Air quality	3,12	Air quality regulation	PM2.5 emissions	Annual mean NO2		NO2 & particulates

Source: Amsterdam, Cornwall, Wales reports (see page 29)

Mapping of key strategies and plans to the Doughnut Economics environment ceiling dimensions to illustrate the scope of these strategies and plans

	Air quality	Biodiversity	Pollution	GHG emissions	Climate change adaptation	Water resources	Land use change	Soil and waterway health	Ocean health	Materials economy	Renewable energy
CNAP	X	X	X	X	X						X
BDAP		X					X	X			
Local Plan		X	X		X		X	X			X
Movement	X		X	X			X				
OneGreatWin					X		X				
HCC CCS	X	X	X	X	X	X	X	X			X
Green Econ.											

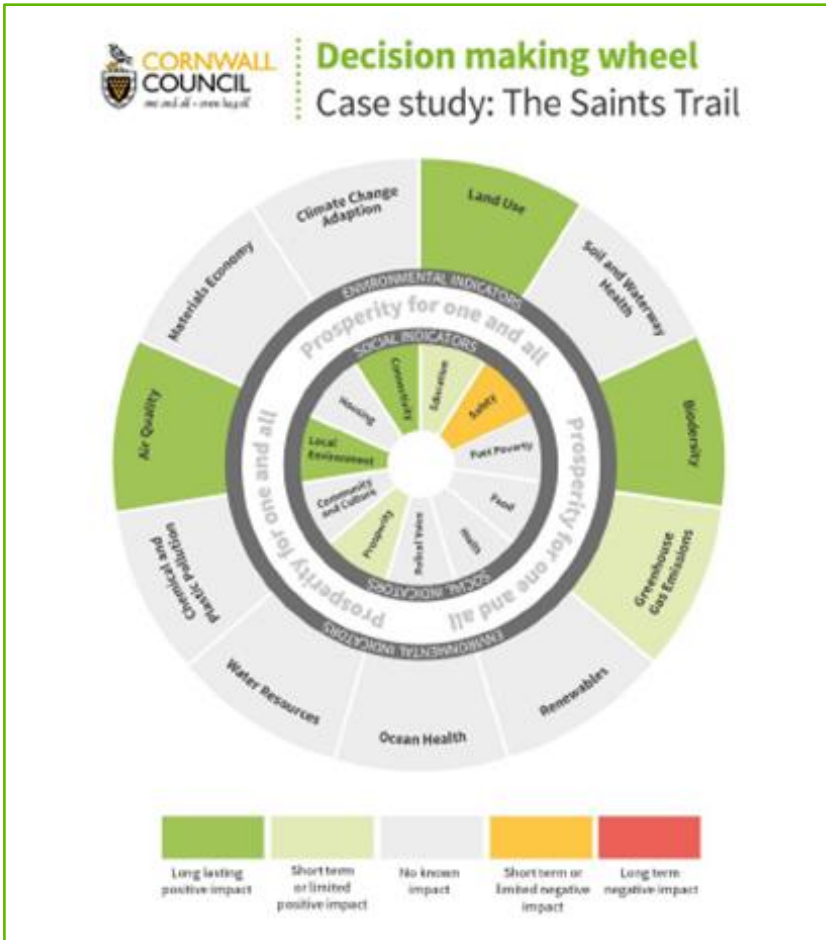
Note: this mapping has been completed for the environmental ceiling domains and can also be applied to the social foundations

Source: Winchester City Council selected reports (see page 31)

Note: The Ten-Year Green Economic Development Strategy was not included in the review due to the timing of publication

In addition to being a strategic framework, the Doughnut approach can be used to assess the multiple ecological and social impacts and benefits of a specific initiative or project, as it is in Cornwall

EXAMPLE



Cornwall Council Decision Wheel

The Doughnut can be used to support local decision making on specific projects and initiatives as well as supporting policies and strategies.

Since September 2019 Cornwall Council has used a Decision Wheel based on the Doughnut to guide cabinet decisions and to ensure that all decision-making relating to climate change mitigation is balanced with the principles of social justice. The Decision Wheel is used by Cornwall Council to illustrate the positive and negative impacts of each initiative being proposed in an easily accessible form.

The impact of an initiative on each dimension of the Decision Wheel is considered in turn and then assigned an impact level together with a narrative directing decision makers to any specific points that project leads wish to emphasise.

Cornwall Council has found that as well as supporting decision making, use of the Decision Wheel is embedding a new way of thinking and acting into the Council and increasing both members' and officers' understanding of the social, economic and environmental impact of the Council's work and the trade-offs between these dimensions.

Such an approach could be applied to decision making around new housing developments or energy and transport projects around Winchester District or other key Council decisions.

Further information can be found at <https://www.local.gov.uk/case-studies/cornwall-council-doughnut-economics>

Source: Cornwall Council (2021); Local Government Association (2021)

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A simple process has been designed to create a roadmap to an imagined future vision of Winchester using a set of aligned initiatives in four steps

Step 1 – A Future Vision for Winchester

A roadmap needs a destination which acts as the ‘north star’ towards which all policies and strategies are aligned.

For the purpose of the Doughnut work this is provided by the Future Vision of Winchester. This is not a fixed future vision and will emerge and change over time, influenced and guided by all relevant stakeholders.

The first version of this Future Vision has been dreamed and created through the ‘Visioning’ and ‘What If’ sessions within the three Portrait of Winchester workshops, the first two of which were open to all and the third one was run for the elected members and senior officers of WCC.

Step 2 – Mapping the Doughnut

The Future Vision is mapped to the doughnut in the Doughnut Economics model with its 12 social foundations and nine planetary boundaries to create a picture of 2040. Initially this might be with either no or limited overshoots to produce an ideal future scenario.

An equivalent doughnut map for the present (2021) can be created to show where current overshoots exist.

Appropriate indicators are identified for each of the doughnut dimensions, which can then be measured either using a graded heatmap or specific quantified parameters.

The difference between the present state and the future vision can then be measured.

Step 3 – A Pathway back to the present

The third step in creating the roadmap is to work backwards from the Vision of Winchester 2040 in steps to understand what pre-conditions will have been needed at each stage to have reached that stage (following the Theory of Change).

This will create a connected, robust Pathway from the future Vision to the present. At each step of the sequence WCC will be able to outline clear indicators, thresholds and assumptions.

A ‘way-point’ can also be created for 2030 to align with the current end point of WCC’s Carbon Neutrality Action Plan (and other way-points can be created too).

Step 4 – Creating a detailed Roadmap

The final step is to map the existing initiatives from key policies strategies, plans and analyses from WCC and (where appropriate) from other relevant local organisations onto the Pathway created in Step 3.

It will be necessary and useful to iterate between Step 3 and Step 4 to produce a robust Roadmap that includes all the relevant initiatives and also ensures that all pre-conditions are taken account of at every point along the roadmap.

This approach will also identify any gaps in the planned initiatives which are required to achieve the ‘target’ overshoots defined in the 2040 doughnut.

Example: transport – an outline roadmap applies actual planned transport initiatives from the selected plans to the doughnut dimensions



Photo by Mangopear creative on Unsplash

Transport sector

'Transport' is used to demonstrate how the doughnut roadmap can be applied in practice as it is complex and multi-disciplinary, linking into many of the sectors that were identified in the Portrait of Winchester workshop series as priority by the participants. The demonstration case follows four steps:

- A set of initiatives relating to transport policy have been identified from the selected strategies and plans.
- The doughnut dimensions which are most impacted by transport activities have been identified and illustrated with examples of appropriate indicators.
- A heatmap for transport has been developed showing the impact of selected initiatives on the relevant doughnut dimensions.
- A theory of change approach is used to work backwards to understand which initiatives and pre-conditions are needed to achieve the 2040 vision.

It should be noted that the application of initiatives can be categorised in different ways within the roadmap - so that it can be looked at through different 'lenses'. For example, the initiatives can be categorised by sector (using the sectors defined by WCC for the Portrait of Winchester series) and they can also be categorised by stakeholder responsibility or urgency. This flexibility enables the initiatives within the roadmap to be segmented, measured and monitored in different ways, depending on the needs of WCC and other stakeholders.

A set of initiatives relating to transport policy have been identified from the selected strategies and plans

WCC CNAP

Initiative	Timeframe
Introduce two electric pool cars	2020
Develop additional Park & Ride facilities- 130 initial new car park spaces	2021
Seek investment to deliver smart mobility projects	2021
Council vehicles to be ultra-low emissions or electric	2022
Electric refuse freighter and/ or Park & Ride Bus	2022
Only ultra-low emission vehicles to be leased by council	(from) 2024
Expand remote working in partner locations- reduce travel/accomodation	2024
Expand network of EV charging points- up to 46 points	2024
Bus fleet minimum Euro 6 standard	2028
Facilitate roll out of private charging facilities	2030
Require buses and taxis to be low emission/ alternative fuel vehicles	2030
Implement differential charging for low EV in Council car parks	2030

Local Plan: Your Place, Your Plan

Initiative	Timeframe
Positively contribute to achieving a carbon neutral district- development	2030
Ensuring developments are correctly designed/ located	2030
Ensure that development provides biodiversity net gain	2030
Require development to be resilient to climate change challenges	2030
Support sustainable travel choices including walking and cycling	2030
Achieve a transport system that is balanced and is focused on sustainability	2030
Develop built environment that is focused more on private cars	2030

Winchester Movement Strategy

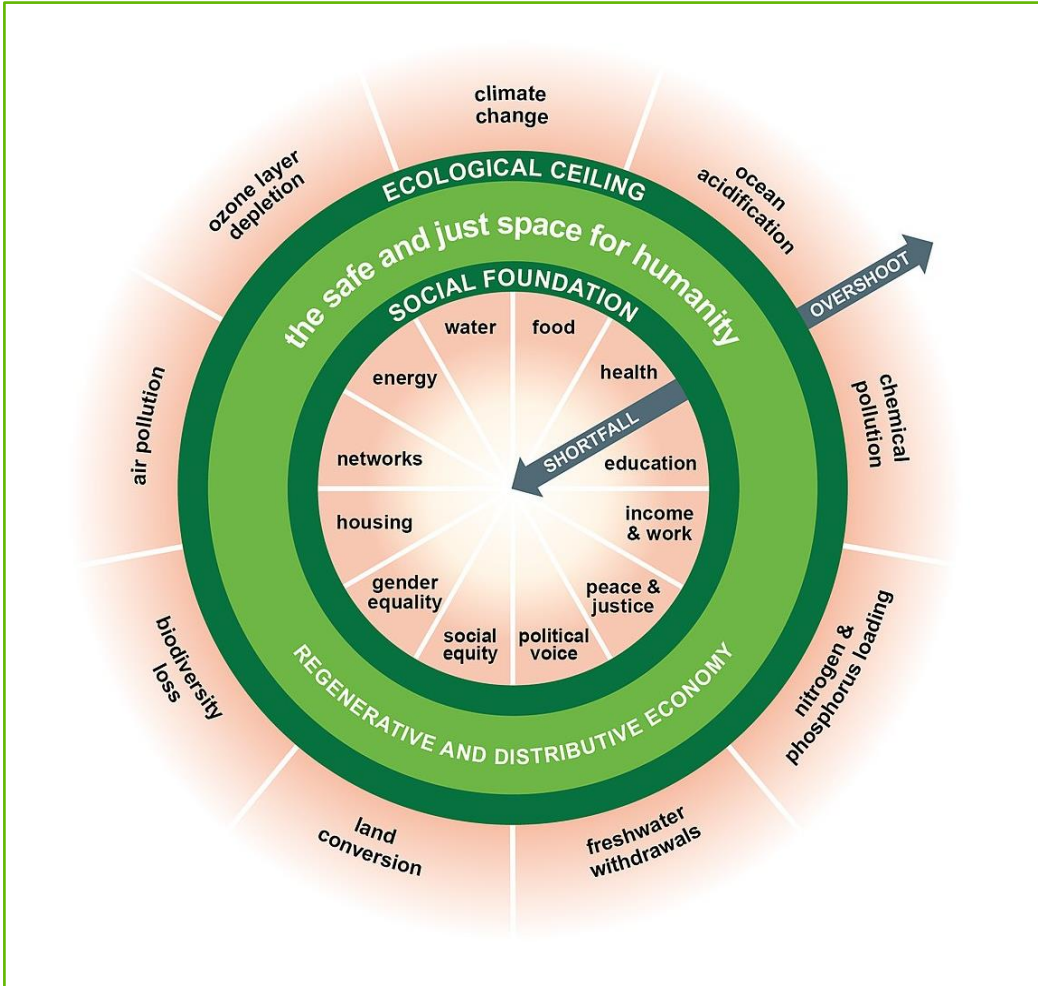
Initiative	Timeframe
Enhancing primary road network capability	N/A
Charging Zone- consider introducing a charging zone	N/A
An integrated approach to transport planning and land use planning	2021-2022
Enhanced Strategic Road Network capacity- M3	2021-2024
Deliveries- Better management of goods to the city centre	2022-24
Bus operator partnership- new bus partnership with bus operators across city	2022-25
Enhancing public realm in the city centre	2023-25
Traffic Demand Management	2024-27
Walking & Cycling- reallocation of road space	2024- 26
Bus Priority- introducing bus priority measures on key radial routes in city	2024-27
Park & Ride- increasing the capacity of Park & Ride facilities	2025-35

Winchester Vision

Initiative	Timeframe
"fifteen minute city mode" which favors local walking and cycling access	2030

Source: WCC reports, WGH analysis

The doughnut dimensions which are most impacted by transport activities have been identified and illustrated with examples of appropriate indicators



Source: DEAL (2020b), WCC reports, WGH analysis

Social Foundations

Dimensions	Example Indicators
Food security	Food poverty
	Food/ delivery transport links
Health	Promoting healthy lives- healthy transport routes
	Healthy life expectancy
Networks	Improved transport network development
	City centre network development
Social equity	Improved transport links
	Social Networks- community/ isolation

Planetary Boundaries

Dimensions	Example Indicator
Air pollution	Reduce CO2 emissions consumption
	N02 and particulates
Biodiversity loss	Road network development
	Rivers and farmland
Climate change	Territorial & Consumptive CO2 emissions
	Ozone depleting substances
Land conversion	Land use development- land converted to crop
	Excessive land use- land use optimisation

A heatmap for transport has been developed showing the impact of selected initiatives on the relevant doughnut dimensions

Report/Strategy	Selected initiatives	Timeframe	Social Foundations				Planetary Boundaries			
			Food Sec.	Networks	Social Eq.	Health	Air Poll.	Biodiversity	Climate Ch.	Land Conv.
WCC CNAP	Develop additional Park & Ride facilities	2021		Low			Low			
WCC CNAP	Council vehicles to be ultra-low emissions or electric	2022					Medium			
WCC CNAP	Expand network of EV charging points	2024		Low			Medium			
WCC CNAP	Require buses and taxis to be low emission vehicles	2030					Medium			
YPYP	Contribute to achieving a carbon- neutral district	2030		Low			Low			
YPYP	Sustainable travel choices- walking and cycling	2030		Low		Low	Low			
YPYP	Transport system balanced & sustainability focused	2030		Low			Low			
MOVEMENT	Better management of goods to city centre	2022-24	Medium				Medium			
MOVEMENT	Enhancing public realm in the city centre	2023-25			Low	Medium				
MOVEMENT	Bus priority measures on key radial routes in city	2024-27					Low			
WINCH VISION	"fifteen minute city mode"- walking and cycling	2030			Medium	High	Low			

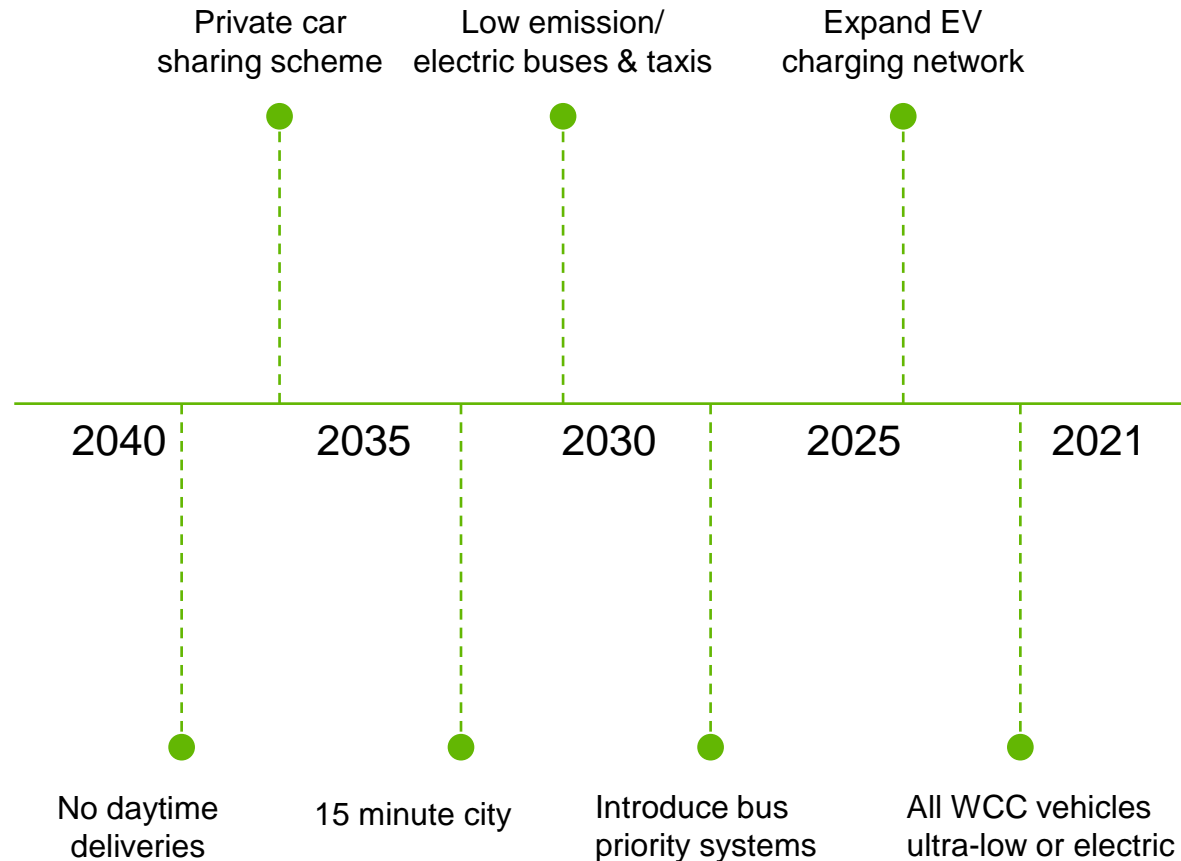
	Impact
	Low
	Medium
	High

Source: WCC reports, WGH analysis

A theory of change approach is used to work backwards to understand which transport initiatives and pre-conditions are needed to achieve the 2040 vision

EXAMPLE

Example Vision for 2040: private car ownership at 70% of current levels, 50% of private cars are electric, 15 minute bus frequency on key routes, all electric and low emission bus fleet, no deliveries in towns or cities between 7am and 7pm. 80% of deliveries by electric or person powered vehicles.



Theoretical example: Current situation - private car ownership at 1.3 cars per household, <1% of private cars are electric, average 30 minute bus frequency on key routes, limited restriction on freight deliveries, <1% of deliveries by electric or person powered vehicles.

Note: these initiatives have been drawn from the reports reviewed but are used here in combination purely for illustrative purposes

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Findings (1)

The Doughnut provides a framework to integrate policies and strategies to address the climate emergency

- The holistic structure of the Doughnut facilitates a balance across environmental and social needs and demands.

Doughnut Economics is being used in many regions and cities around the world aiming for a more hopeful future

- There are a growing number of cities and regions in the UK and internationally which are currently developing Doughnut strategies, providing opportunities to learn from one another.
- The Doughnut Economics approach is fully open to all with no proprietary rights; support and guidance can be provided by the UK based Doughnut Economics Action Lab (DEAL).

A Doughnut methodology can be used to create a roadmap for action to guide systemic improvement

- The policies and strategies currently in place in Winchester can be integrated effectively into a Doughnut-based roadmap.
- A city or regional roadmap should be guided by the specific local needs of that area.
- Other cities are developing their own roadmaps along similar lines, appropriate to their locality, geography and history.
- There are many ways of 'doing' Doughnut Economics – it must be appropriate and relevant for your place.

It is important to identify a 'north star' of intent and purpose for the region or city

- This 'north star' can then be used to guide and align the development of diverse policies, strategies and plans.
- It also provides a 'check back' during the implementation and operational phases.

Findings (2)

Cooperation and co-creation are essential to take the community and all stakeholders into a better future together

- The Doughnut provides a serious yet playful model to structure policy and strategy making as well as engagement with partners, stakeholders and the public.
- A Doughnut approach provides a democratic basis of co-creation with opportunities for different parts of the community to come together.
- Experiences demonstrate the importance of working together with other authorities, organisations, charities, community groups, businesses, etc.
- The Doughnut is not 'owned' by anyone – the approach needs to be collaborative and transparent.
- 'Follow the energy': the need to spend time building relationships and trust was hugely emphasised by all cities.
- All cities are highly aware of the lack of diversity and inclusiveness in their initiatives and have made this a priority as they move forward.

Successful development of a Doughnut approach seems to come from a group of committed individuals working closely with and supported by local organisations and local government

- Creating a holistic approach cannot be done either only top down or bottom up – it needs a 'middle out' approach, integrating the passion and skills of the community.
- Working with existing stakeholder groups and 'other issue' initiatives and programmes is key.
- The benefit of aligning the local Doughnut to local challenges and values is recognised.
- It is importance to identify appropriate funding sources: e.g. shared funding models – collaborative and not aligned with a single authority or agenda.

Recommendations (1)

Overall

- Use the concept of the Doughnut to bring the impact of the Climate & Biodiversity Emergency alive – for members, officers and the public - and use it as a core framework for Council decision making and communications.

Communications

- Internal WCC presentation to senior leadership team and elected members to introduce the concept of Doughnut Economics and propose the development of a Winchester Doughnut.
- Bilateral review of Doughnut approach with the new 10 year Green Economic Strategy to enable and facilitate linkages.
- WCC to support a workshop(s) with other local authorities and organisations with a role or an interest in the area of Winchester District to introduce the concept of Doughnut Economics and the development of a Winchester Doughnut.

Actions

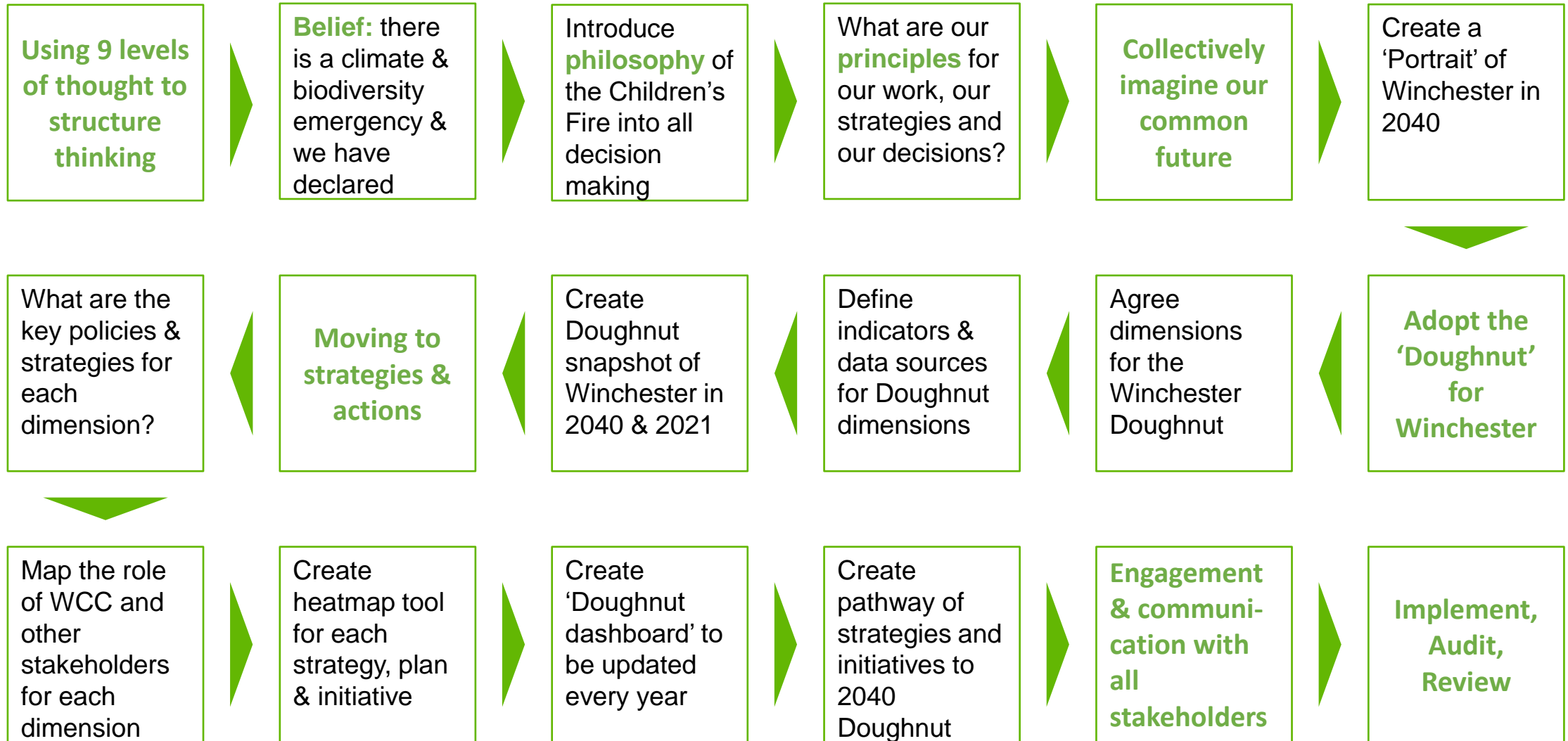
- Create a simple check sheet that enables all WCC decisions to be reviewed against the Winchester Doughnut and to assess the absolute impact of the proposed action or inaction and also its relative materiality to the overall vision for Winchester District.
- WCC workshop to define a detailed vision of what Winchester 2040 could look like – and what we want it to look like – based on all the relevant inputs – policies, strategies, surveys, consultations etc that have taken place.
- Compile and agree a set of appropriate indicators for Winchester to measure each of the dimensions of the Winchester Doughnut – the social foundations and the planetary boundaries.
- Create a dashboard for WCC to communicate the impact of all proposed and actual decisions on the dimensions of the Winchester Doughnut.

Recommendations (2)

Development

- Develop the dashboard into an assessment tool to enable WCC to model the impact of all policies and initiatives for their overall impact on the local area.
- Produce a Change Management Plan to support effective and compassionate change across Winchester District in line with the needs of the region and its people .
- Support the establishment of a District Doughnut Citizens' Assembly – as a cross-community panel for the climate emergency and social emergency – to lead on the development of a multi-lateral and inclusive Doughnut for Winchester District as a beacon of progress, fairness and hope across the south of England.
- Define a holistic vision for Winchester District (beyond the Climate & Biodiversity Emergency and outside of party politics). Consider aligning this vision with the 7th generation principle (the Children's Fire) or the principles of the Well-Being of Future Generations Act (Wales).

A possible map of an overall transformative process for WCC



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- **Next Steps**

Next steps

- Winchester City Council, Wessex Green Hub, Winchester Action on Climate Change and others working collaboratively to create a flourishing environment for all, based on the principles of the Doughnut, through:
 - Co-creating projects which moves us all towards zero-carbon,
 - Convening and facilitating workshops and forums,
 - Manifesting and following the energy,
 - Using the power of place and connections to create and unlock,
 - Telling stories to share good practice,
 - Creating a strong network of individuals who can hold the space, weave the threads of this work and craft the stories to create *the more beautiful world our hearts know is possible**.
- **Making Winchester a place in which everyone thrives**

Source: * Eisenstein, C. (2013)

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Thank you