

GWENT PUBLIC  
SERVICE BOARDS



NEWPORT  
STRATEGIC  
INTERVENTIONS  
WORKSHOP

Report from  
Ash Futures

MARCH 2019

# Introduction

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## Context

Ash Futures ran a strategic interventions workshop for members of the Newport Public Service Board (PSB), members of the City Council and other partners on 13 February 2019 at Dragon Park. The primary aims of the session were

- To demonstrate how future thinking can support discussion and design of integrated interventions
- To encourage participants to think differently and to break down silos
- To build momentum and encourage participants to work together to build futures into their project planning

## Process

Following an introduction to the Gwent Futures work by Ash Futures, participants formed five breakout groups to discuss the strategic implications of key issues highlighted in the horizon scanning research strand of the project. To do this, each group

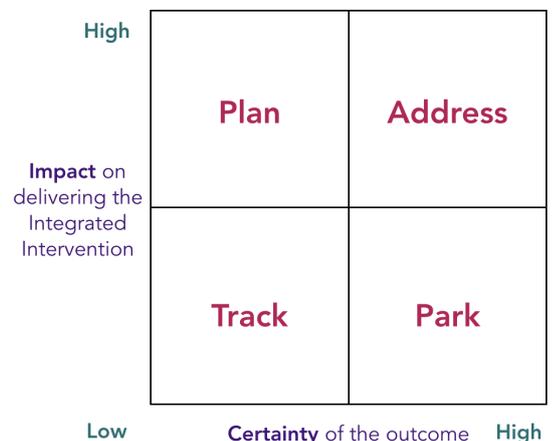
- Focused on one of the five strategic interventions
  - The Newport “Offer”
  - Strong Resilient Communities
  - Right Skills
  - Green and Safe Spaces
  - Sustainable Travel
- Worked with a random sample of 20 scans drawn from the full report
- Mapped each scan on an **impact** and **certainty** matrix according to their thoughts about the relative impact of the scan on their strategic intervention
- Identified the **most** important issue in the two high impact quadrants and discussed their implications for Newport’s future plan.

## The impact and certainty matrix

The impact and certainty matrix is a simple diagnostic device for prioritising emerging trends according to their importance for Newport.

Scans that map in the high impact and high certainty quadrant highlight issues that need to be addressed in delivering the strategic intervention.

Scans that map in the high impact and low certainty quadrant need to be looked at further to determine the nature of the uncertainty and to explore what the implications of the issue are for delivery of the Plan. This analysis should take place as soon as possible.



It's important to monitor issues in the Track quadrant - low impact and low certainty of outcome - to see how they develop. Once it becomes clearer how these issues will develop, the scale of impact will also become clearer

This report sets out the results of the workshop discussions.

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# The Newport Offer

High

Impact on delivering The Newport Offer



Low

Certainty of the outcome

High

Topic	Driver	Theme
<b>Home is where the heart is</b> ●	Half of 25-34 year olds are renting privately, up from 21% in 2004. By 2025, the figure will be 67%	How we live Cityscapes
<b>Global warming</b>	The world has 12 years to limit climate change catastrophe from global warming of 1.5C	Natural systems
<b>Co-living</b>	Residents in co-living communities have individual rooms in a shared building and share kitchens and living spaces. It's a growing trend in the UK for young professionals - and older people are interested as well	Society
<b>Circular economy</b>	Consumer concern over poor environmental practice is driving new business models to design out waste	Economics and inequality
<b>Everything will be connected</b>	Over 70 UK cities have plans to implement smart city systems. Half of them have started	How we live Cityscapes
<b>Managing the coast</b>	England (and Wales) will have to adapt to at least 1m of sea level rise within the next 80 years	Natural systems
<b>Disruptive business models</b>	Unprecedented levels of digital disruption will affect entire systems of production, distribution and consumption	Economics and inequality
<b>Legislative change</b>	Eg Brexit	

<b>Home is where the heart is</b>	Half of 25-34 year olds are renting privately, up from 21% in 2004. By 2025, the figure will be 67%	How we live Cityscapes
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**Home is where the heart is** presents an opportunity for Newport. It will

- Change the face of the city centre
- Encourage a vibrant night time economy
- Transfer the city centre into a living space as retail shrinks (in line with other cities)
- Lead to housing market changes (private rental, shared ownership)
- Keep the 'right people' in the city
- Require changes to public transport as part of developing the service economy

How might it impact on other strategic interventions?

The Newport "Offer"	
Strong Resilient Communities	
Right Skills	
Green and Safe Spaces	Developing city centre as appealing space, public spaces
Sustainable Travel	Access to public transport means own vehicle not required

What does Newport need to do to make sure it capitalises on this opportunity

...In the short term (0-5 years)

- Develop a public transport offer
- Consider planning policy?
- Determine what the city centre should look like
- "React to" M4 decision/plans
- Reprovision buildings/space for services (and housing)

...In the mid term (5-10 years)

- Lyft/Uber - access to transport developments
- Change the way road the network is used
- Develop green space - communal areas

...In the long term term (5-10 years)

- Reduce parking spaces and develop other transport models

Topic	Driver	Theme
<b>Pedal Power</b> 	15 years ago, there were four bike share schemes. Now there are over 1000 worldwide. How would Newport offer cycle parking, segregated cycle lanes, charging points?	Mobility
<b>EVs: charging ahead</b>	The UK government will ban all new petrol and diesel vehicles from 2040. Or perhaps earlier...	Mobility
<b>Increasingly unequal society</b>	There is a significant risk that communities become more polarised and that the divide becomes even harder to bridge	Economics and inequality
<b>Future skill requirements</b>	Public funding for employment and skills development will be challenged by the costs of the ageing population	Economics and inequality

<b>Pedal Power</b>	15 years ago, there were four bike share schemes. Now there are over 1000 worldwide. How would Newport offer cycle parking, segregated cycle lanes, charging points?	<b>Mobility</b>
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**Pedal power** presents an opportunity for Newport. It could

- Increase the number of people on bikes
- Provide a rental bike scheme giving wide access
- Support city centre living with more bike spaces
- Reduce in traffic
- Change culture ‘on the road’ if there is a big increase in the numbers of cyclists

How might it impact on the other strategic interventions?

The Newport “Offer”	
Strong Resilient Communities	Health benefits
Right Skills	
Green and Safe Spaces	
Sustainable Travel	Less traffic

What information/intelligence does Newport need if it is to manage this opportunity?

- Better understanding of traffic management issues, infrastructure
- Culture change requires linkages with neighbours (e.g. Cardiff)
- Collaborate with employers on facilities to make cycling easier (e.g. showers, lockers)
- Reduced parking requirements

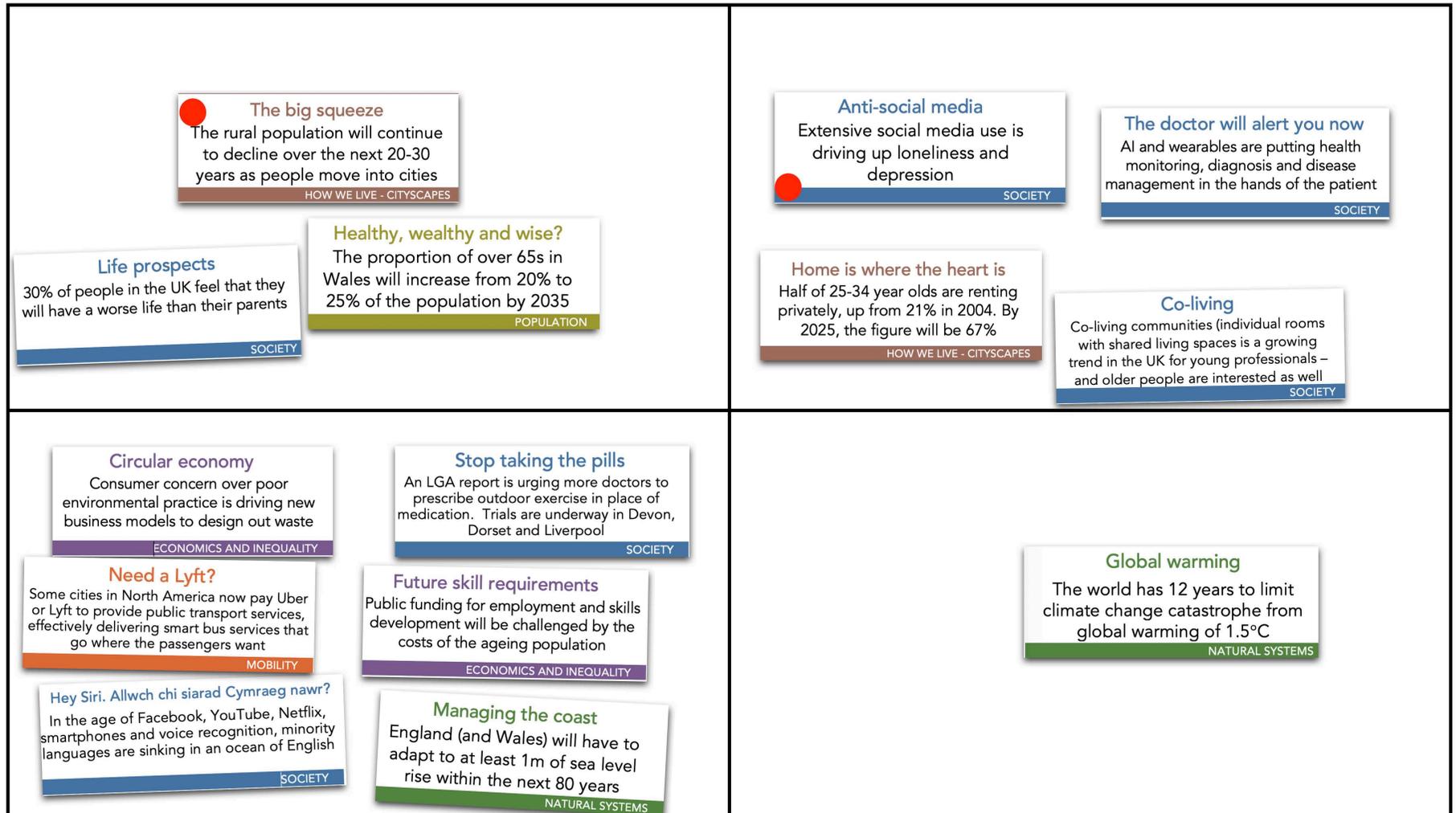
Topic	Driver	Theme
<b>Making the leap</b>	AR is looking a credible technology for the future of education, tourism, construction and healthcare (for example...)	Technology
<b>Personal data</b>	Individuals currently give away their personal data in return for personalised services - but will cities want greater control of their data in the future?	Economics and inequality
<b>Mobility as a service</b>	As the number of EVs in the UK rises, so will the charging infrastructure requirement. Wales is behind other parts of the UK in meeting that need	Mobility
<b>Autonomous vehicles</b>	The government wants fully self-driving cars on UK roads by 2021. Research suggests trust in AVs is declining, particularly amongst young users	Mobility
<b>Healthy, wealthy and wise?</b>	The proportion of over 65s in Wales will increase from 20% to 25% of the population by 2035	Population
<b>Hyperfunctionality</b>	Some city planners in the USA are starting to design green spaces that provide food, shade, wildlife habitat, and pollution removal.	How we live Cityscapes
<b>Flight from the countryside</b>	The rural population will continue to decline over the next 20-30 years as people move into cities	Population
<b>Need a Lyft?</b>	Some cities in North America now pay Uber or Lyft to provide public transport services, effectively delivering smart bus services that go where the passengers want	Mobility
<b>It ain't easy being green</b>	Pressure to improve local environments and reduce energy use is creating demand for green infrastructure - using the fabric of cities to create gardens, power stations, forests	How we live Cityscapes

Topic	Driver	Theme
<b>Surveillance: safety? Or intrusion?</b>	The public has been warned about encroaching surveillance from smart cameras and data monitoring. Some, however, believe this is essential for public safety	Security
<b>A share of the AI pie</b>	AI could add £630bn to the UK economy by 2030 - £2,300 per household in Wales - if public services are AI based	Technology

# Strong resilient communities

High

Impact on delivering Strong resilient communities



**The big squeeze**  
The rural population will continue to decline over the next 20-30 years as people move into cities  
HOW WE LIVE - CITYSCAPES

**Anti-social media**  
Extensive social media use is driving up loneliness and depression  
SOCIETY

**The doctor will alert you now**  
AI and wearables are putting health monitoring, diagnosis and disease management in the hands of the patient  
SOCIETY

**Life prospects**  
30% of people in the UK feel that they will have a worse life than their parents  
SOCIETY

**Healthy, wealthy and wise?**  
The proportion of over 65s in Wales will increase from 20% to 25% of the population by 2035  
POPULATION

**Home is where the heart is**  
Half of 25-34 year olds are renting privately, up from 21% in 2004. By 2025, the figure will be 67%  
HOW WE LIVE - CITYSCAPES

**Co-living**  
Co-living communities (individual rooms with shared living spaces) is a growing trend in the UK for young professionals – and older people are interested as well  
SOCIETY

**Circular economy**  
Consumer concern over poor environmental practice is driving new business models to design out waste  
ECONOMICS AND INEQUALITY

**Stop taking the pills**  
An LGA report is urging more doctors to prescribe outdoor exercise in place of medication. Trials are underway in Devon, Dorset and Liverpool  
SOCIETY

**Need a Lyft?**  
Some cities in North America now pay Uber or Lyft to provide public transport services, effectively delivering smart bus services that go where the passengers want  
MOBILITY

**Future skill requirements**  
Public funding for employment and skills development will be challenged by the costs of the ageing population  
ECONOMICS AND INEQUALITY

**Global warming**  
The world has 12 years to limit climate change catastrophe from global warming of 1.5°C  
NATURAL SYSTEMS

**Hey Siri. Allwch chi siarad Cymraeg nawr?**  
In the age of Facebook, YouTube, Netflix, smartphones and voice recognition, minority languages are sinking in an ocean of English  
SOCIETY

**Managing the coast**  
England (and Wales) will have to adapt to at least 1m of sea level rise within the next 80 years  
NATURAL SYSTEMS

Low

Certainty of the outcome

High

Topic	Driver	Theme
<b>Anti-social media</b> 	Extensive social media use is driving up loneliness and depression	Society
<b>Home is where the heart is</b>	Half of 25-34 year olds are renting privately, up from 21% in 2004. By 2025, the figure will be 67%	How we live Cityscapes
<b>Co-living</b>	Residents in co-living communities have individual rooms in a shared building and share kitchens and living spaces. It's a growing trend in the UK for young professionals - and older people are interested as well	Society
<b>The doctor will alert you now</b>	AI and wearables are putting health monitoring, diagnosis and disease management in the hands of the patient	Society

The **key** issue related to **Strong, resilient communities** that Newport has to Address

<b>Anti-social media</b>	Extensive social media use is driving up loneliness and depression	<b>Society</b>
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Anti-Social media has threats and opportunities associated with it

- The **threats** arise from depression, losing social skills, cyber-bullying, lack of sense of community, lack of physical activity. The threats include
  - implications on development milestones
  - employment prospects
  - a widening digital divide because of reliance on technology
- The **opportunities** come through building networks, tackling loneliness, improving engagement and influencing the community. There are opportunities to
  - use local knowledge to feed into development planning
  - build a sense sense of ownership

The Newport "Offer"	A reduction in housing could create a negative image
Strong Resilient Communities	
Right Skills	An increased workforce allows for harnessing new communities
Green and Safe Spaces	Reduces green spaces within the city so we need to plan well
Sustainable Travel	

How might it impact on other strategic interventions?

The Newport "Offer"	Use to build a map which can feed into employment data monitoring PCSO responding on social media
Strong Resilient Communities	
Right Skills	
Green and Safe Spaces	
Sustainable Travel	

## What does Newport need to do to make sure it capitalises on opportunities/mitigates threats

...In the short term (0-5 years)

- Enable the police service frontline staff to have access to social media

...In the mid term (5-10 years)

- Pool intelligence at a neighbourhood level

...In the long term term (5-10 years)

- Build community ownership
- Evolve the response as social media evolve

Issues Newport has to **Plan for**

High impact, low certainty

Topic	Driver	Theme
<b>The big squeeze</b> 	The rural population will continue to decline over the next 20-30 years as people move into cities.	How We Live - Cityscapes
<b>Future skill requirements</b>	Public funding for employment and skills development will be challenged by the costs of the ageing population	Economics and inequality
<b>Life prospects</b>	30% of young people in the UK feel that they will have a worse life than their parents' generation	Society
<b>Healthy, wealthy and wise?</b>	The proportion of over 65s in Wales will increase from 20% to 25% of the population by 2035	Population

The **key** issue related to **Strong, resilient communities** that Newport has to Plan for

<b>The big squeeze</b>	The rural population will continue to decline over the next 20-30 years as people move into cities.	How We Live - Cityscapes
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What are the possible ways the issue might play out?

- Overcrowding within the city
- Transient communities - community cohesion

Overall, does it feel more of a threat or an opportunity for Newport?

- The threats are overcrowding, homelessness, community cohesion (changes in community)
- The opportunities are for an increased workforce, an increase in a variety of skills, a diverse workforce and building affordable housing for new communities. Land use planning

How might it impact on other strategic interventions?

What information/intelligence does Newport need if it is to manage the opportunities and mitigate the threats?

- Understanding of people's needs
- Understanding what communities want
- Do we know how many people and to what timescale we are looking to plan effectively?
- Housing and school pressures

Issues Newport has to **Track**

Low impact, low certainty

Topic	Driver	Theme
<b>Circular economy</b>	Consumer concern over poor environmental practice is driving new business models to design out waste	Economics and inequality
<b>Stop taking the pills</b>	An LGA report is urging more doctors to prescribe outdoor exercise in place of some medication. Trials underway in Devon, Dorset and Liverpool	Society
<b>Managing the coast</b>	England (and Wales) will have to adapt to at least 1m of sea level rise within the next 80 years	Natural systems
<b>Need a Lyft?</b>	Some cities in North America now pay Uber or Lyft to provide public transport services, effectively delivering smart bus services that go where the passengers want	Mobility
<b>Future skill requirements</b>	Public funding for employment and skills development will be challenged by the costs of the ageing population	Economics and inequality
<b>Hey Siri. Allwch chi siarad Cymraeg nawr?</b>	In the age of Facebook, YouTube, Netflix, smartphones and voice recognition, minority languages are sinking in an ocean of English	Society
<b>A share of the AI pie</b>	AI could add £630bn to the UK economy by 2030 - £2,300 per household in Wales - if public services are AI based	Technology
<b>Resilient communities</b>	Who is paying for AI?	

Issues Newport can **Park**

Low impact, high certainty

Topic	Driver	Theme
<b>Global warming</b>	The world has 12 years to limit climate change catastrophe from global warming of 1.5C	Natural systems

# Right skills

High

Impact on delivering Right skills



Low

Certainty of the outcome

High

Topic	Driver	Theme
<b>Jobs lost, jobs gained</b> ●	The supply of work for people with limited or no qualifications will decline significantly as unskilled jobs become fully automated	Technology
<b>Training for what?</b>	85% of the jobs that will exist in 2030 haven't even been invented yet	Economics and inequality
<b>Energy distribution</b>	AI assisted microgrids will transform energy generation and distribution in the industrialised and developing world	Resources
<b>Handle with care</b>	Young adults today enjoy greater social, sexual and cultural freedom than ever but are also a highly anxious generation	Population
<b>New, lower speed limit</b>	UK productivity is 18% lower than the G7 average. Gwent productivity is 84% of the UK average	Economics and inequality
<b>Disruptive business models</b>	Unprecedented levels of digital disruption will affect entire systems of production, distribution and consumption	Economics and inequality
<b>New age: new skills</b>	The instagram/internet generation share ideas, and knowledge through social media. Can workplaces harness this for creative/competitive advantage?	Technology
<b>Changing politics</b>	Youth voters are going to the polls in growing numbers. They are less committed to a particular ideology than to specific issues and will vote accordingly	Politics
<b>Increasingly unequal society</b>	There is a significant risk that communities become more polarised and that the divide becomes even harder to bridge	Economics and inequality
<b>Circular economy</b>	Consumer concern over poor environmental practice is driving new business models to design out waste	Economics and inequality
<b>e-didact</b>	Learning will be increasingly delivered online or in a blended learning environment	

Topic	Driver	Theme
<b>New Newport</b>	A sense of that people want for their future in Newport	
<b>Vox Juvenii</b>	Consult young people! (More)	

<p><b>Jobs lost, jobs gained</b></p>	<p>The supply of work for people with limited or no qualifications will decline significantly as unskilled jobs become fully automated</p>	<p>Technology</p>
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Is the issue a threat or an opportunity?

- Overall a threat - but there could be an opportunity to improve skills

What will its impact be?

- There’s a need for a framework to make the most of opportunities - pathways between educational providers
- Parents play a major part to play in this not just employers and training/education providers
- Polarised societies, greater divide between have and have nots and those who have self-belief and those who don’t
- Programs like positive futures have a greater role to play
- With less people working and paying tax there’s less money for public services to tackle social disorder for example

Might it have an impact on any of the other strategic interventions?

- Newport Offer
- Strong Resilient communities

Topic	Driver	Theme
<b>Hard and soft</b> 	Workers who combine skills in new ways, eg mathematics and interpersonal skills, will create new opportunities in the future	Economics and inequality
<b>A new world order</b>	China is likely to be the world's leading economy by 2030. India and Indonesia are close behind	Economics and inequality
<b>A share of the AI pie</b>	AI could add £630bn to the UK economy by 2030 - £2,300 per household in Wales - if public services are AI based	Technology

<b>Hard and soft</b>	Workers who combine skills in new ways, eg mathematics and interpersonal skills, will create new opportunities in the future	<b>Economics and inequality</b>
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What are the possible ways the issue might play out?

- Education and employers combining to determine the best range of skills
- Courses offer technical skills but not the softer skills - how do providers and individuals value and measure the softer skills? This is also important to personal resilience and moving between jobs
- Some skill development may be more appropriate as part of an Apprenticeship
- Need some accreditation of life skills

Overall, does it feel more of a threat or an opportunity for Newport?

- It's a real opportunity
  - Make Newport a place to go to look for new employees with technical skills and also softer life skills. This could be a strapline for Newport
  - National Technology Institute
  - Don't underestimate the role of employers in this
  - This should be part of the vision for Right Skills in Newport

Issues Newport has to **Track**

Low impact, low certainty

Topic	Driver	Theme
<b>The dark web</b>	The challenge of the dark web may be less to do with criminal activity than ordinary users staying under the radar	Security
<b>Hey Siri. Allwch chi siarad Cymraeg nawr?</b>	In the age of Facebook, YouTube, Netflix, smartphones and voice recognition, minority languages are sinking in an ocean of English	Society
<b>Home is where the heart is</b>	Half of 25-34 year olds are renting privately, up from 21% in 2004. By 2025, the figure will be 67%	How we live Cityscapes
<b>Welcome home</b>	Net inward migration to the UK is likely to decline to 165,000 a year by 2023, significantly below levels in the past decade	Population

Issues Newport can **Park**

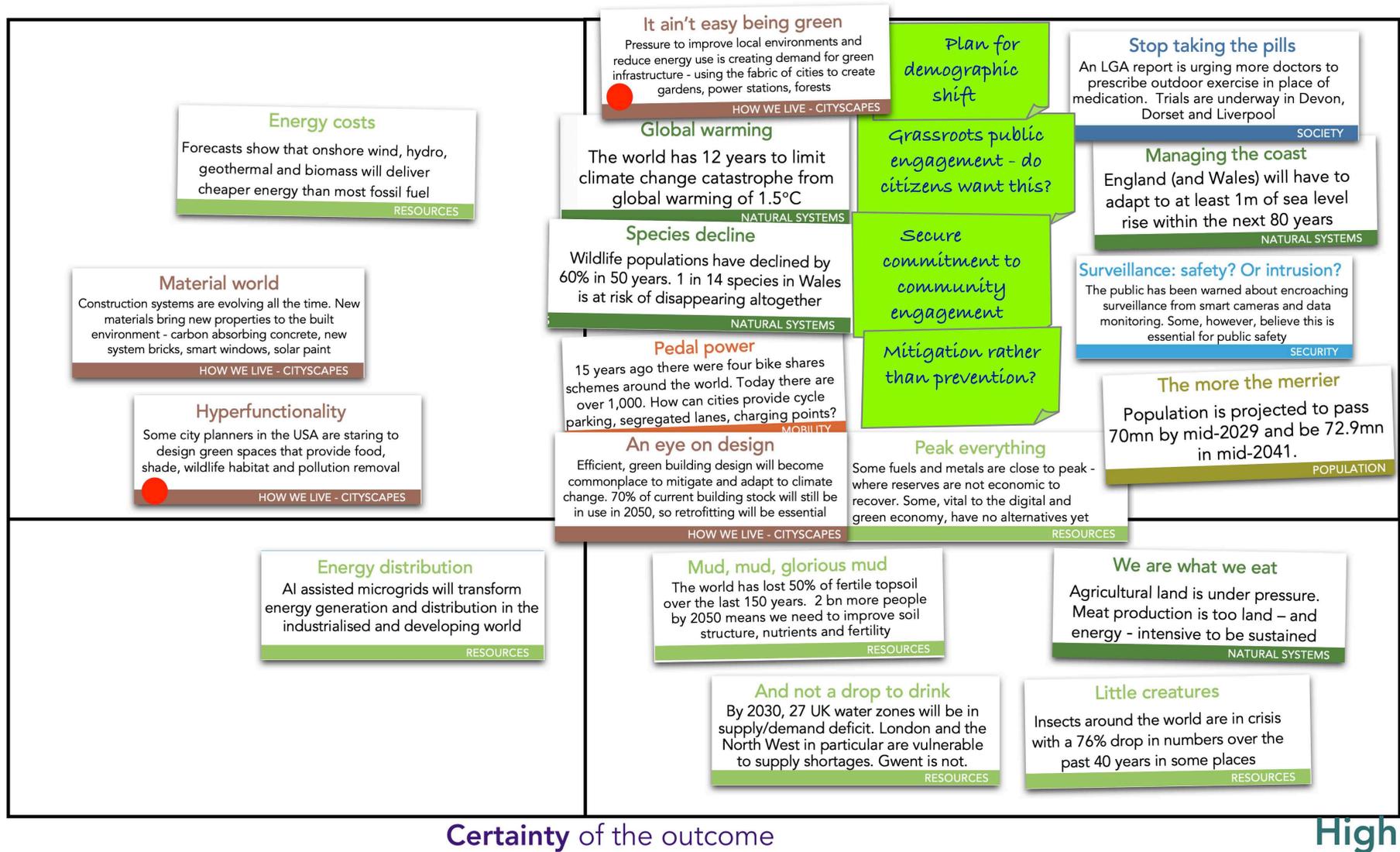
Low impact, high certainty

Topic	Driver	Theme
<b>Making the leap</b>	AR is looking a credible technology for the future of education, tourism, construction and healthcare (for example...)	Technology
<b>Co-living</b>	Residents in co-living communities have individual rooms in a shared building and share kitchens and living spaces. It's a growing trend in the UK for young professionals - and older people are interested as well	Society
<b>Life prospects</b>	30% of young people in the UK feel that they will have a worse life than their parents' generation	Society
<b>Future skill requirements</b>	Public funding for employment and skills development will be challenged by the costs of the ageing population	Economics and inequality

# Green and safe spaces

High

Impact on delivering Green and safe spaces



Low

Certainty of the outcome

High

Topic	Driver	Theme
<b>It ain't easy being green</b> ●	Pressure to improve local environments and reduce energy use is creating demand for green infrastructure - using the fabric of cities to create gardens, power stations, forests	How we live Cityscapes
<b>Stop taking the pills</b>	An LGA report is urging more doctors to prescribe outdoor exercise in place of some medication. Trials underway in Devon, Dorset and Liverpool.	Society
<b>Managing the coast</b>	England (and Wales) will have to adapt to at least 1m of sea level rise within the next 80 years	Natural systems
<b>Surveillance: safety? Or intrusion?</b>	The public has been warned about encroaching surveillance from smart cameras and data monitoring. Some, however, believe this is essential for public safety	Security
<b>Species decline</b>	Wildlife populations have declined by 60% in 50 years. 1 in 14 species in Wales is at risk of disappearing altogether	Natural systems
<b>Global warming</b>	The world has 12 years to limit climate change catastrophe from global warming of 1.5C	Natural systems
<b>An Eye On Design</b>	Efficient, green building design will be needed to adapt to climate change. 70% of current stock will still be in use in 2050, so retrofitting will be essential.	How we live Cityscapes
<b>Peak everything</b>	Some fuels and metals are close to peak - where reserves are not economic to recover. Some, vital to the digital and green economy, have no alternatives yet	Resources
<b>Pedal Power</b>	15 years ago, there were four bike share schemes. Now there are over 1000 worldwide. How would Newport offer cycle parking, segregated cycle lanes, charging points?	Mobility
<b>The more the merrier</b>	Population is projected to pass 70mn by mid-2029 and be 72.9mn in mid-2041	Population

Topic	Driver	Theme
<b>Grassroots Engagement</b>	Secure commitment, build community engagement, address appetite versus cost, communicate importance of sustainability, change perceptions, push for long-term - not short-term - projects	
<b>Grassroots Engagement</b>	Will public engagement. Do citizens want this?	
<b>Demography</b>	UK population vs Welsh figures? Also % demographic breakdown - old, young etc. Who is planning for this? Where are we going to put them? Brownfield vs Greenfield	

<p><b>It ain't easy being green</b></p>	<p>Pressure to improve local environments and reduce energy use is creating demand for green infrastructure - using the fabric of cities to create gardens, power stations, forests</p>	<p>How we live Cityscapes</p>
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### Is the issue a threat or an opportunity?

- An opportunity - but with a risk of threats due to lack of funding or no engagement or a lack of will

### What will its impact be?

- Brexit means the Government is in total disarray
- Not delivering these cost cutting schemes
- We could though improve the physical and mental wellbeing of citizens
- Get it right and we change perceptions

### How might it have an impact on the other strategic interventions?

- Green and safe spaces is **THE** most cross-cutting theme of the PSB work. Failure here will mean failure across all the themes

### What does Newport need to do to make sure it capitalises on the opportunities/mitigates the threats

#### ...In the short term (0-5 years)

- Engage the planning sector: LDPs, PPW Wales, Area Statements. Policy
- Engage residents and citizens to discover their needs and wants. Grassroots engagement.
- Speak to developers around these topics and timeframes
- Improve access and awareness of this issue - upskill communities to access
- Communication and marketing through social media
- Change perceptions of Newport to a clean, green and safe place
- Engage schools and youth groups - young people, teachers, curriculum
- Funding opportunities

#### ...In the mid term (5-10 years)

- Education education education!
- Funding opportunities
- Engage residents
- Improve habitats and biodiversity
- Transfer of roles and responsibility into communities
- Repeat a lot of the above to make it the new normal

- Sustainability of projects, people and funds.
- Change status quo

...In the long term term (5-10 years)

- Engage residents
- Change city-wide perceptions & rest will follow
- Trust, empower & enable staff to do this
- Change status quo

Topic	Driver	Theme
<b>Hyperfunctionality</b> 	Some city planners in the USA are starting to design green spaces that provide food, shade, wildlife habitat, and pollution removal.	How we live Cityscapes
<b>Material world</b>	Construction systems are evolving all the time. New materials bring new properties to the built environment - carbon absorbing concrete, new system bricks, smart windows, solar paint	How we live Cityscapes
<b>Energy costs</b>	Forecasts show that onshore wind, hydro, geothermal and biomass will deliver cheaper energy than most fossil fuel	Resources

<p><b>Hyperfunctionality</b></p>	<p>Some city planners in the USA are starting to design green spaces that provide food, shade, wildlife habitat, and pollution removal.</p>	<p>How we live Cityscapes</p>
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### What are the possible ways the issue might play out?

- If left unchecked or not steered, we will be measured by GDP growth which will develop into free market capitalism
- Proactively managed with a long-term vision, this could lead to a change in our measures of success beyond GDP

### Overall, does it feel more of a threat or an opportunity for Newport?

- It's a massive opportunity but that has to be balanced against a decrease in resources
- There's a gap between legislation and policy vs delivery, implementation and resources

### How might it impact on other strategic interventions?

- Green and safe spaces is **THE** most cross-cutting theme of the PSB work. Failure here will mean failure across all the themes
- This needs to become our day jobs! We need place based grassroots engagement
- It reconfirms our local Newport vision around the Green and Safe theme
- There are new areas to take this to and angles to pursue e.g. LDP, PPW, WG etc

### What information/intelligence does Newport need if it is to manage the opportunities/mitigate the threats?

- Clear guidance, evidence and interpretation of policy/legislation specific to delivery in Newport
- There's a potentially big issue around resources, capacity and skill that we need to understand. What exists in communities, in organisations, in businesses that can be actively harnessed to deliver engagement? How will these bodies work in partnership?
- Do we lack detailed community/resident data?
- We need real time data and the skills to interrogate and interpret them. How do we measure things? Can we get data from local networks? Smart cities?
- We need dedicated staff officials, specific to place (e.g. ward or citywide)
- We need communications and marketing expertise! We have to get the right message to the right audience
- Budgets → leadership → cross organisational sharing
- Secondments/staff training
- How to change residents' perception and vision

Issues Newport has to **Track**

Low impact, low certainty

Topic	Driver	Theme
<b>Energy distribution</b>	AI assisted microgrids will transform energy generation and distribution in the industrialised and developing world	Resources

Issues Newport can **Park**

Low impact, high certainty

Topic	Driver	Theme
<b>Mud, mud, glorious mud</b>	In the UK, energy security is becoming a bigger issue	Resources
<b>Little Creatures</b>	Insects around the world are in crisis - with a 76% drop in numbers over the past 40 years	Natural systems
<b>And not a drop to drink</b>	By 2030, 27 UK water zones will be in supply/ demand deficit. London and the North West in particular are vulnerable to supply shortages. Gwent is not.	Resources

# Sustainable travel

High

Impact on delivering Sustainable travel



Low

Certainty of the outcome

High

Topic	Driver	Theme
<b>Reallocation of road space</b> ●	Away from cars	
<b>Managing the coast</b>	England (and Wales) will have to adapt to at least 1m of sea level rise within the next 80 years	Natural systems
<b>Disruptive business models</b>	Unprecedented levels of digital disruption will affect entire systems of production, distribution and consumption	Economics and inequality
<b>The big squeeze</b>	The rural population will continue to decline over the next 20-30 years as people move into cities	How we live Cityscapes
<b>Everything will be connected</b>	Over 70 UK cities have plans to implement smart city systems. Half of them have started	How we live Cityscapes
<b>Surveillance: safety? Or intrusion?</b>	The public has been warned about encroaching surveillance from smart cameras and data monitoring. Some, however, believe this is essential for public safety	Security
<b>Mobility as a service</b>	As the number of EVs in the UK rises, so will the charging infrastructure requirement. Wales is behind other parts of the UK in meeting that need	Mobility
<b>Pedal Power</b>	15 years ago, there were four bike share schemes. Now there are over 1000 worldwide. How would Newport offer cycle parking, segregated cycle lanes, charging points?	Mobility
<b>Global warming</b>	The world has 12 years to limit climate change catastrophe from global warming of 1.5C	Natural systems
<b>EVs: charging ahead (ii)</b>	As the number of EVs in the UK rises, so will the charging infrastructure requirement. Wales is behind other parts of the UK in meeting that need	Mobility
<b>Road user pricing</b>		

Topic	Driver	Theme
<b>Zip cars</b>	Zip cars will be on every urban road	
<b>Decline of the high street</b>	Exploring alternative use in the city centres - removing pedestrianised areas to increase footfall? Increase in internet shopping	
<b>Mass transit</b>	By 2030 appropriate, connected, rapid road transit systems for all demographics	

<b>Reallocation of road space</b>	Away from cars	
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Is the issue a threat or an opportunity?

- It's an opportunity to encourage people into Newport
- It will be a threat if we get it wrong; it could increase congestion

What will its impact be?

- CO<sub>2</sub> emissions per capita in Newport are the 3rd highest in Britain. We need to take action needs to be taken to improve air quality.
- Work is underway to look at a network across Gwent. However, we need funding

Will it have impact on any of the other strategic interventions?

- Yes. If we have a viable EV charging structure in the city, this could have a positive impact on the other interventions

What Newport needs to do to make sure it capitalises on the opportunities/mitigates the threats

...In the short term (0-5 years)

- Complete a feasibility study
- PPW - 10% of parking spaces have to be electric
- Apply for funding as it becomes available
- Work with partners and the commercial sector to source funding

...In the mid term (5-10 years)

- Review charging infrastructure and usage
- Adapt infrastructure as required
- Look at car sharing (on street)
- Monitor usage

...In the long term term (5-10 years)

- Will we be looking at driverless cars?
- Invest in other forms of sustainable transport such as electric buses, active travel

Topic	Driver	Theme
<b>Changing infrastructure</b> 	Who pays for the infrastructure required for electric and for connected and autonomous vehicles? Is it viable outside cities?	Mobility
<b>Stop taking the pills</b>	An LGA report is urging more doctors to prescribe outdoor exercise in place of some medication. Trials underway in Devon, Dorset and Liverpool	Society
<b>Anything better than HS2?</b>	If Virgin Hyperloop One does - one day - transport people between London and Scotland in 45 minutes, the economic geography of the UK could shift dramatically	Mobility
<b>Need a Lyft?</b>	Some cities in North America now pay Uber or Lyft to provide public transport services, effectively delivering smart bus services that go where the passengers want	Mobility

The **key** issue in **Sustainable travel** that Newport has to Plan for

<b>Changing infrastructure</b>	Who pays for the infrastructure required for electric and for connected and autonomous vehicles? Is it viable outside cities?	<b>Mobility</b>
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What are the possible ways the issue might play out?

- More bus lanes
- Active travel lanes
- Better pedestrianised routes
- Cycle superhighways
- Good infrastructure maps

Overall, does it feel more of a threat or an opportunity for Newport?

- More of an opportunity, but politically may be seen as a threat locally
- ...and possibly a short-term threat as it could increase congestion

How might it impact on the other strategic interventions?

The Newport "Offer"	It will improve connectivity and transport links
Strong Resilient Communities	It supports this by providing infrastructure across the city
Right Skills	
Green and Safe Spaces	It provides infrastructure between different spaces and peoples' homes and workplaces
Sustainable Travel	

What information/intelligence does Newport need if it is to manage the opportunities/mitigate the threats?

- Use ONS data
- Understand current [illegible]
- Build on a vision
  - Communicate vision
  - Involve communities

Issues Newport has to **Track**

Low impact, low certainty

Topic	Driver	Theme
<b>Healthy, wealthy and wise?</b>	The proportion of over 65s in Wales will increase from 20% to 25% of the population by 2035	Population
<b>A new world order</b>	China is likely to be the world's leading economy by 2030. India and Indonesia are close behind	Economics and inequality

Issues Newport can **Park**

Low impact, high certainty

Topic	Driver	Theme
<b>EVs: charging ahead</b>	The UK government will ban all new petrol and diesel vehicles from 2040. Or perhaps earlier...	Mobility
<b>Freight trains</b>	The UK Government is trialling 'platooning;' convoys of semi-automated HGVs that have acceleration, braking and steering controlled by the lead vehicle	Mobility
<b>Autonomous vehicles</b>	The government wants fully self-driving cars on UK roads by 2021. Research suggests trust in AVs is declining, particularly amongst young users	Mobility
<b>Less wait at the gate</b>	There is growing interest in using technology to smooth the passenger journey to, through and between airports. Some airlines now accept bitcoin and Dubai now has flying taxis	Mobility