



Air

We often take the air we breathe for granted. Air pollution is a serious problem, contributing to climate change and killing over 7 million people worldwide per year.

- Both in Northern Ireland and around the world access to clean & safe air is an issue.
- Emissions from transportation, coal-fired power plants and large industrial operations are largely to blame for global air pollution.
- WHO (World Health Organisation) data shows that 98% of the global population breathe air that exceeds the WHO guidelines and that the UK's is over five times this limit.
- The Northern Ireland Executive currently does not have a strategy to address this problem.



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3 GOOD HEALTH AND WELL-BEING



11 SUSTAINABLE CITIES AND COMMUNITIES



13 CLIMATE ACTION



15 LIFE ON LAND





Water

Water is vital to everything that is alive it is possibly the most important substance on planet earth. Here, in Northern Ireland, we often take it for granted because we usually have plenty.

- Around the world many countries are finding it more difficult to get enough clean water. This is leading to a water crisis. This has an impact on food supplies, disease can spread due to sanitation issues, people need to migrate and conflicts can become more likely.
- Recently, due to climate change, water patterns on the earth have been changing. Some areas are getting wetter and others drier. Too much water can be as big a problem as too little. Droughts and floods cause huge disruption to farming, people and the environment.
- Water pollution harms human health and the natural environment. 1 in 3 people in the world still do not have clean safe drinking water.
- In 2021 not one of Northern Ireland's 496 rivers, lakes and coastal waters have achieved a "good overall status" rating for water.



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Climate Change

CO₂ (Carbon Dioxide) produced by human activities is the largest contributor to global warming. It is now widely accepted that this is causing man made Climate change.

- Climate change is now affecting everyone, we are already seeing changing weather patterns, rising sea levels and extreme weather events become more common.
- There are lots of solutions to the problem of Climate Change but the urgent action needed to avoid catastrophe is not happening at a fast enough rate, yet, to mitigate the impacts we are facing.
- Recently at COP26 the Glasgow Climate Pact was signed, it is important that each country takes action on the commitments made.
- Despite the difficult statistics there is still hope if enough action is taken.



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7 AFFORDABLE AND CLEAN ENERGY



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



13 CLIMATE ACTION



17 PARTNERSHIPS FOR THE GOALS





Nature

1 in 10 species in Northern Ireland are at risk of going extinct. Northern Ireland sits 12th worst in the world for biodiversity loss. (Out of 240 countries surveyed) Biodiversity is the variety of plant and animal life.

- It has been shown that biodiversity loss could expand diseases transmitted from animals to humans. Keeping biodiversity intact improves protection against pandemics like those caused by coronaviruses.
- Given the chance nature is capable of extraordinary recovery.
- Ambitious restoration of nature not only improves biodiversity but creates systems that capture carbon in our peatlands, meadows, woodlands and marine ecosystems e.g. oyster beds, sea grass, kelp forests.
- We need every single space reimaged to help wildlife, walls, fences, youth club grounds can all become part of a huge jigsaw of nature recovery networks. No space is too small, together the small spaces can create green corridors and stepping stones to connect larger wild spaces.



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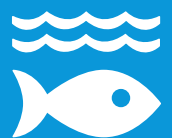
3 GOOD HEALTH
AND WELL-BEING



7 AFFORDABLE AND
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14 LIFE BELOW
WATER



15 LIFE
ON LAND



Transport



Our world has become much smaller as improvements in transport have made journey times less, at both local and global levels. But at what cost?

- 100 years ago a European City Break would have been unthinkable or fruit flown from all across the world.
- All this movement around the earth of both people and goods has a huge impact on the climate and environment. Much of our culture, society and economy is based on transport. This unsustainable situation has led to transport being responsible for approximately $\frac{1}{4}$ of global CO2 emissions.
- The story of cycling in the Netherlands is very inspiring, after a year of child fatalities due to increased road traffic in the early 1970's there was a campaign to put the cyclist, pedestrian and public transport back at the centre of city planning. Today there are as more bicycle's than people in the Netherlands and cycling and public transport remain the preferred way to travel.
- There are lots of positive stories like this in action around the world with the benefits to people and the environment it brings.



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Food

Food is vital to our survival. It does more than just keep us alive. Food is part of our cultures, economies and our relationship with nature.

- Tragically over two billion people in the world still do not have regular access to safe, nutritious and sufficient food.
- Current UN estimates are that nearly 690 million people are hungry, or 8.9 percent of the world population and sadly this is rising.
- The way we farm can contribute to greenhouse gas emissions, biodiversity loss and use up to 70 per cent of freshwater. It is possible to feed a growing global population while protecting our planet. There are 3 important changes that could have an enormous impact.
- More sustainable diets, reducing food waste and shortening supply chains so we can all buy locally grown food.
- Agriculture is a very important part of the Northern Ireland economy. 75% of the land in Northern Ireland is used for agriculture. 80% of which is used for meat, dairy and egg production.



**Watch this
video**

**1 NO
POVERTY**



**2 ZERO
HUNGER**



**3 GOOD HEALTH
AND WELL-BEING**



**13 CLIMATE
ACTION**





Health and Wellbeing

In this modern age we can sometimes forget that we don't control nature but are a part of it. That's why our health and wellbeing is directly linked to the health of our planet.

- Before Covid 19 lots of positive steps had been taken to address health and well being around the world.
- Here in Northern Ireland mental health is a big issue for many young people.
- Nature is a powerful healer. As it's been found that going on a walk in a forest has been shown to help boost both your mood and your immune system, as well as adding to your general fitness.
- Having access to good public transport has been shown to decrease the likelihood of people experiencing mental and physical health issues by granting them greater access to public services such as health care, food shops or education.
- Ensuring healthy lives and promoting well-being at all ages is essential to sustainable development.



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3 GOOD HEALTH AND WELL-BEING



4 QUALITY EDUCATION



5 GENDER EQUALITY



10 REDUCED INEQUALITIES



16 PEACE, JUSTICE AND STRONG INSTITUTIONS





Energy

Think about all the things you do every day and the energy that makes them happen. The food you eat, getting about, entertainment etc. It all requires energy.

- Most of the world's energy still comes from fossil fuels and this is adding to the climate change problem.
- Worldwide 759 million people still lack access to electricity and many use dangerous and polluting heat for cooking.
- There is massive energy inequality across the world, with Oxfam reporting that the average person in the UK emits more carbon dioxide in two weeks than citizens of several African nations use in a full year.
- Northern Ireland is very dependent on fossil fuels and has a high level of fuel poverty 22%. A household that spends more than 10% of its income on energy is said to be in fuel poverty.
- Sustainable energy is a type of energy that doesn't cause problems for future generations.



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Waste

We are drowning in waste. Everything from old clothes, cars, toys, furniture, even food.

The UN estimates that each year one third of all food produced – equivalent to 1.3 billion tonnes worth around \$1 trillion – ends up rotting in bins, or spoiling due to poor transport or harvesting.

- Should the global population reach 9.6 billion by 2050, the equivalent of almost three planets could be required to provide the natural resources needed to sustain current lifestyles.
- The most environmentally friendly product is the one you didn't buy. – Joshua Becker, founder of Becoming Minimalist.
- You will have seen the Reduce reuse recycle logo. Reduce is the first and most important point, followed by reuse and lastly if not possible recycling should be the last option.
- Northern Ireland has a big waste problem, 700,000 tonnes of waste were exported in 2020, and in excess of three million tonnes since 2016. Some shipped to other countries to landfills or for incineration.



Watch this video

2 ZERO HUNGER



6 CLEAN WATER AND SANITATION



11 SUSTAINABLE CITIES AND COMMUNITIES



12 RESPONSIBLE CONSUMPTION AND PRODUCTION



Video links

Air Pollution



Joan Chen
is Sky

Short video on the beauty of the air we breath and the pollution that making our air unbreathable.

Water



Penelope Cruz
is Water

Short video on the beauty of water on earth and the challenges it's facing.

Climate Change



I am
Greta

Short video on showing us Greta Thunberg's journey into climate activism.

Nature



David
Attenborough:
A life on our
planet

Short video on the diversity within nature and the challenges nature faces due to human pressures.

Food



United
Nations Food
Systems
Summit

Short video on the importance food holds in our lives and the need to transform our food systems.

Transport



Climate Crisis
solutions -
Transport

Short video on the problems we have with emissions from transportation and the more sustainable solutions we have.

Health and Wellbeing



Lancet
Countdown on
Health and
Climate Change

Short video explaining the impact climate change has on our physical and mental health.

Energy



Climate Crisis
Solutions:
Energy

Short video on the problems we have with emissions from energy production and the more sustainable solutions we have.

Waste



A Plastic
Ocean Official
Trailer

Short video on the impact our sustainable consumption habits are affecting the ocean.