

Community Climate Action Programme

 Intro & Community resources
 Waste & Consumption
 Food & Water
 Energy & Travel
 Biodiversity & Nature-based solutions
 Developing a Climate and Biodiversity Action Plan and CCAP Evaluation

Presentation of Plans Tuesday, Oct 25

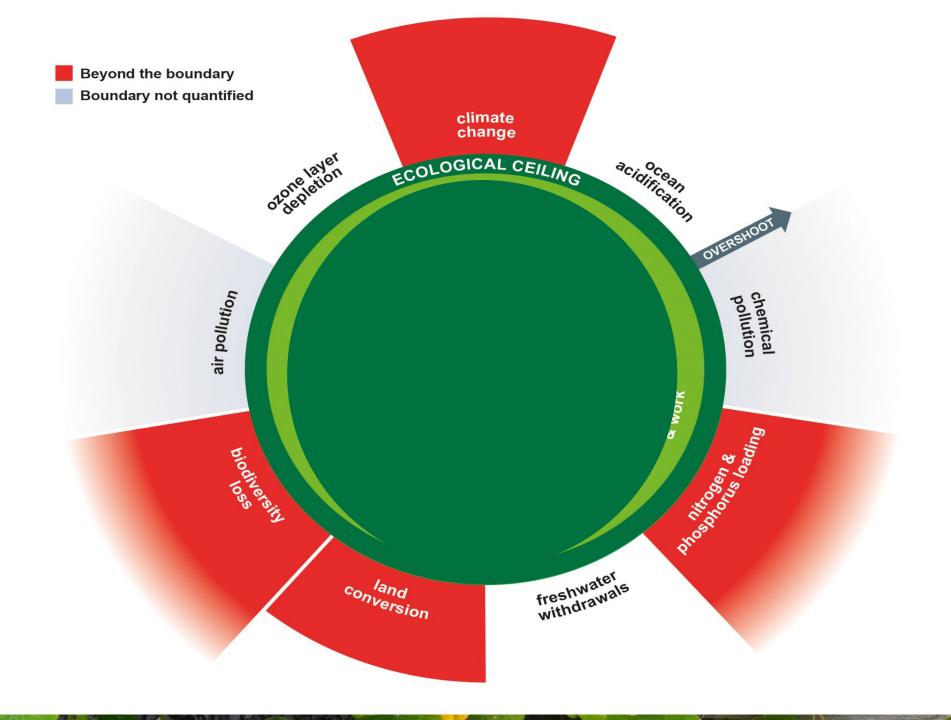
Session Outcomes

By the end of this module you will be able to:

- 1. Finalise your climate & biodiversity actions.
- 2. Assess the actions for impact, feasibility and cost.
- 3. Explore what projects you are motivated to lead on or support.
- 4. Design an action plan for a sample project.
- 5. Identify the next steps for you/your group.
- 6. Complete your Community Climate and Biodiversity Action Plan

Presentation

Review of key points in CCAP Modules



Ecosystems and All Species are One Integrated, Interdependent System

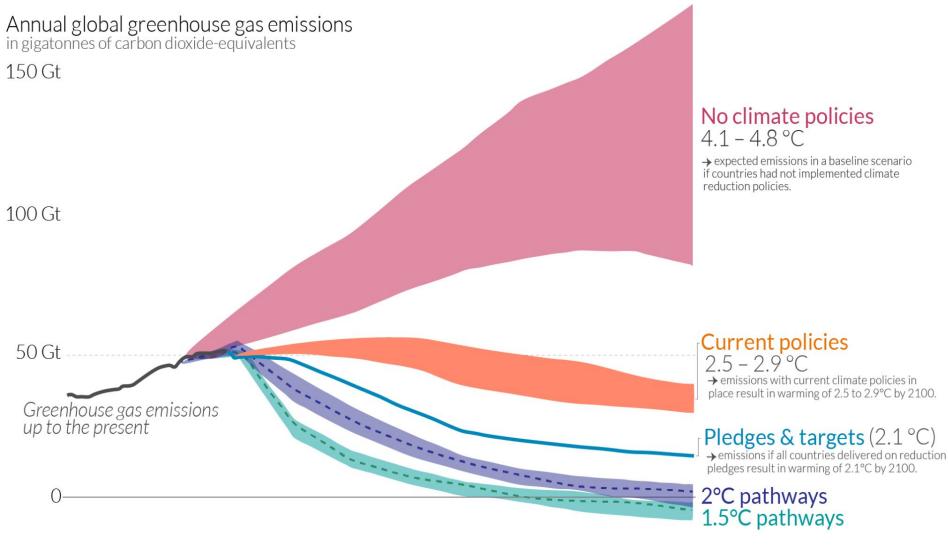
If we save the living environment, the biodiversity that we have left today, then we will also automatically save the physical environment. If we only save the physical environment, then we will ultimately lose both. E. O. Wilson



Global greenhouse gas emissions and warming scenarios

Each pathway comes with uncertainty, marked by the shading from low to high emissions under each scenario.
 Warming refers to the expected global temperature rise by 2100, relative to pre-industrial temperatures.



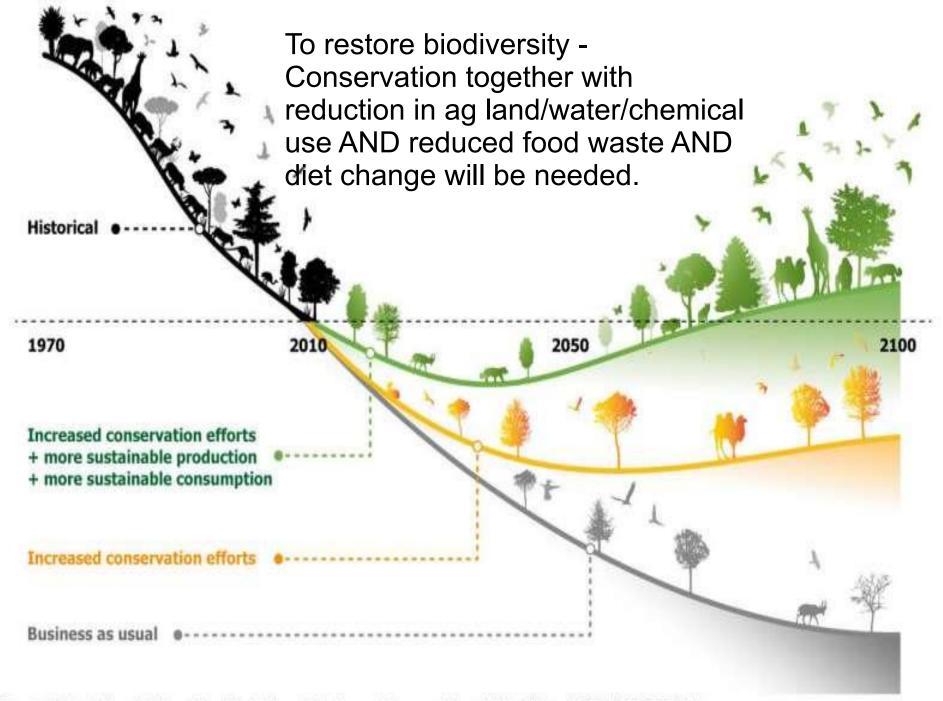


1990 2000 2010 2020 2030 2040 2050 2060 2070 2080

Data source: Climate Action Tracker (based on national policies and pledges as of November 2021). **OurWorldinData.org** – Research and data to make progress against the world's largest problems. Last updated: April 2022. Licensed under CC-BY by the authors Hannah Ritchie & Max Roser.

2090

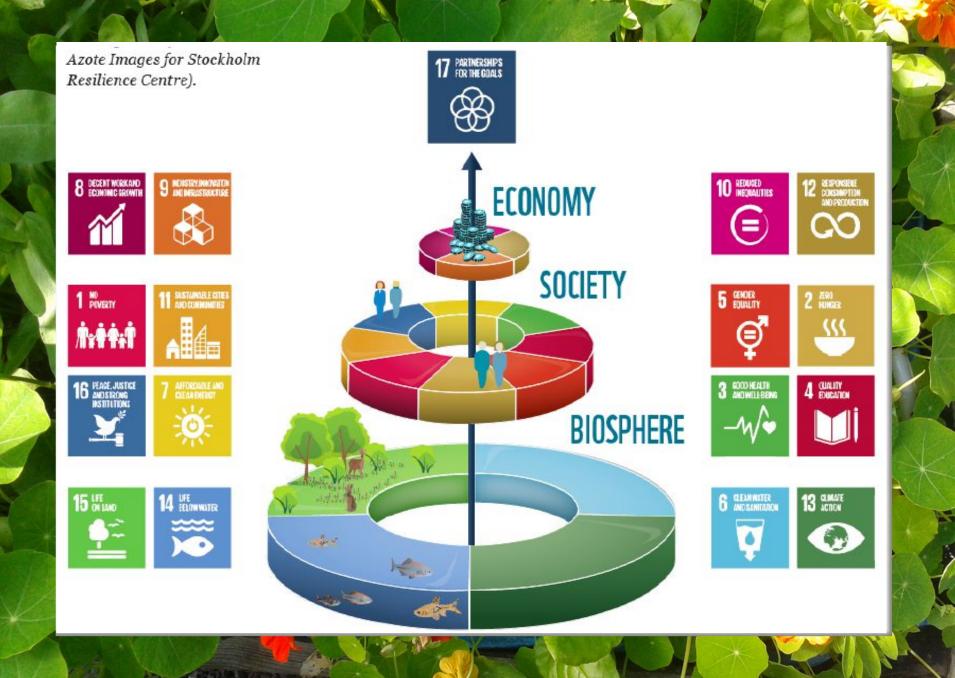
2100



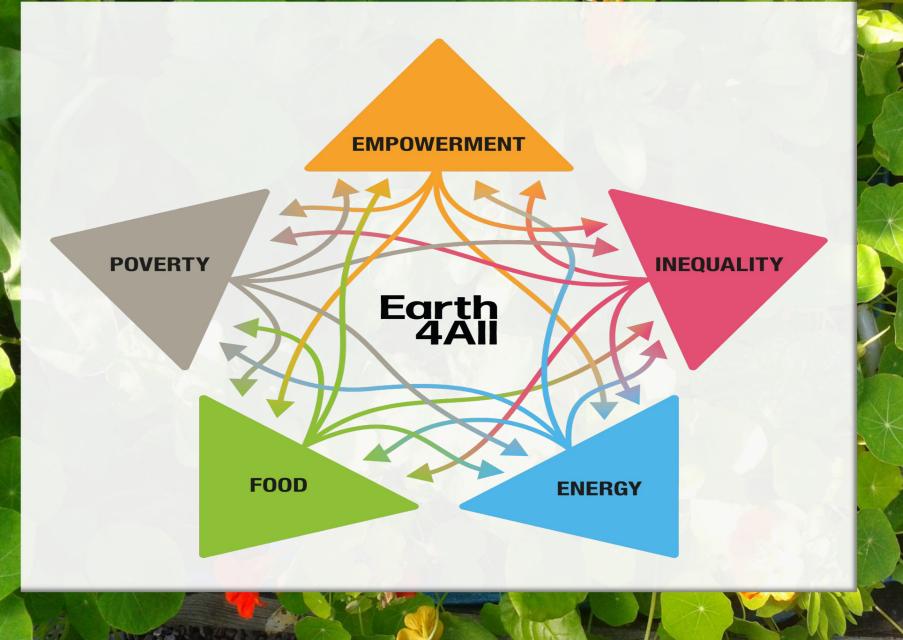
This artwork illustrates the main findings of the article, but does not intend to accurately represent its results (https://doi.org/10.1038/s41586-020-2705-y)

Presentation

A selection of strategies for a fair and just sustainable community



Earth 4 all Campaign



Poverty

The cancellation of debt New growth models Trade regionalisation

Inequality

Progressive taxation Trade re-unionisation Universal basic dividend

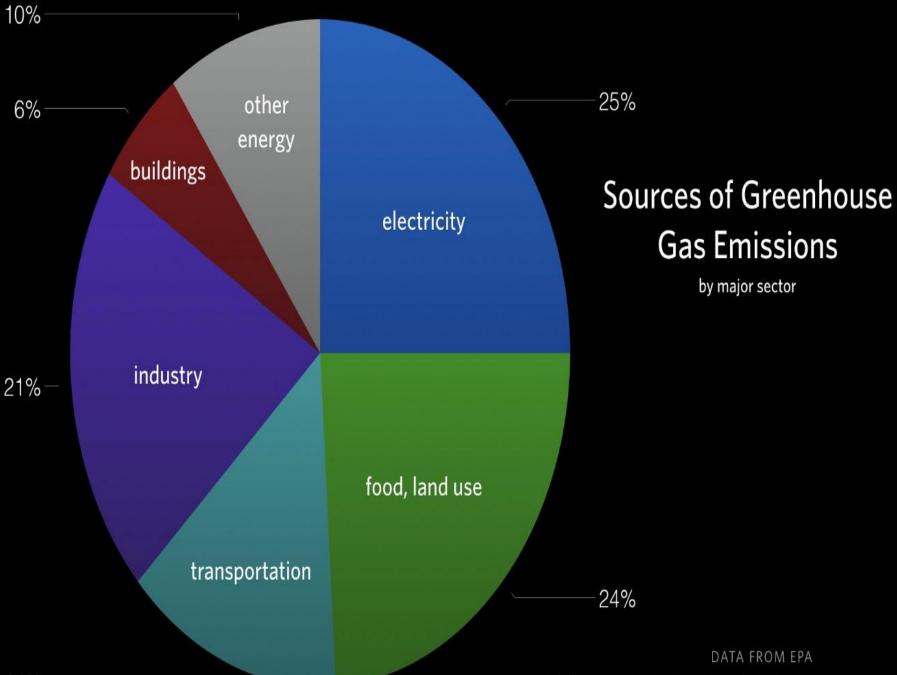
Gender empowerment

Education for all Female leadership and jobs Pensions for all

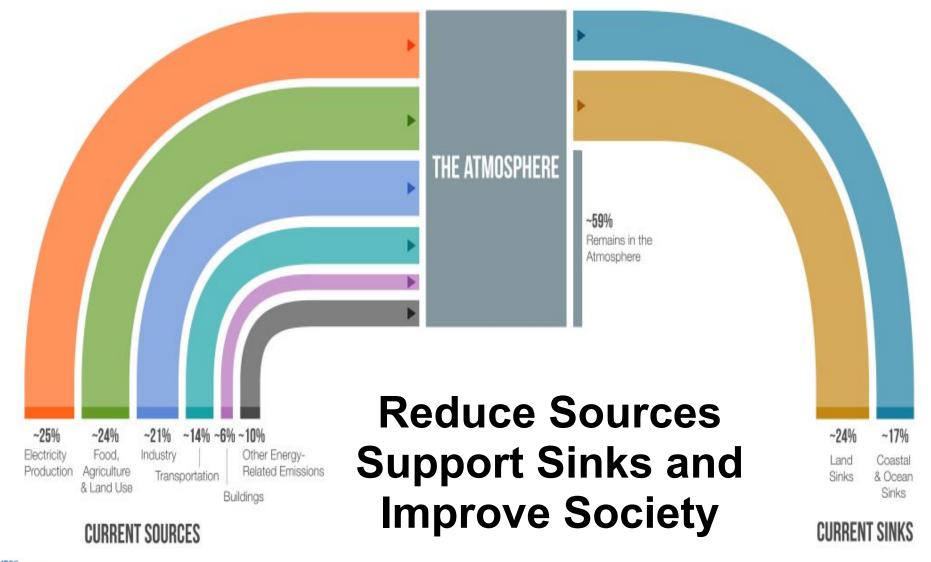
Food

Cut food waste Regenerative agriculture and soil health Plant based "meats"

Energy Cutting energy waste/consumption Electrifying everything! New renewables



EMISSIONS SOURCES & NATURAL SINKS





Individual actions reduce Emissions 25-30%

TOP 20 HIGH-IMPACT CLIMATE ACTIONS FOR HOUSEHOLDS AND INDIVIDUALS

OUR FOOD 🗂	OUR WASTE 💿	OUR TRAVEL 🕬	OUR ENERGY 🎽	
		5 AS	8.6%	
		U	Distributed Solar Photovoltaics (64.9)	
	2.8%		Insulation (18.5)	
	1 00/	Public Transit (15.4)	LED Lighting (15.7)	
	1.3%	Carpooling (11.1)	Solar Hot Water (13.7)	
12.4%	Recycling (11.3)	Electric Cars (9.8)	High-Performance Glass (11.3)	
	Reduced Plastic (5.4)	Hybrid Cars (4.7)	High-Efficiency Heat Pumps (9.1)	
Reduced Food Waste (103.1)	Composting (2.9)	Telepresence (4.4)	Smart Thermostats (7.3)	
Plant-Rich Diets (102.2)	Recycled Paper (1.4)	Electric Bicycles (1.6)	Low-Flow Fixtures (1.5)	

The data presented here represents Gt CO2-eq | Graphic designed by Chad Frischmann



	REDUCE SOURCES					SUPPORT SINKS		SOCIETY		
	ELECTRICITY	FOOD	INDUSTRY	TRANSPORT	BUILDINGS	OTHER	LAND	OCEAN	ENGINEERED	HEALTH & Education
SET GOALS										
ALTER RULES & Policy										
SHIFT FINANCIAL Capital										
SHIFT HUMAN Capital										
CHANGE BUSINESS Behavior										
CHANGE INDIVIDUAL Behavior										
MAKE WISE TECH Investments										









If you can, no personal vehicles





Presentation Thinking globally and acting locally - energy (electricity, heating and transport) and food

Ireland GHG emissions 2021 with LULUC

Year 2021

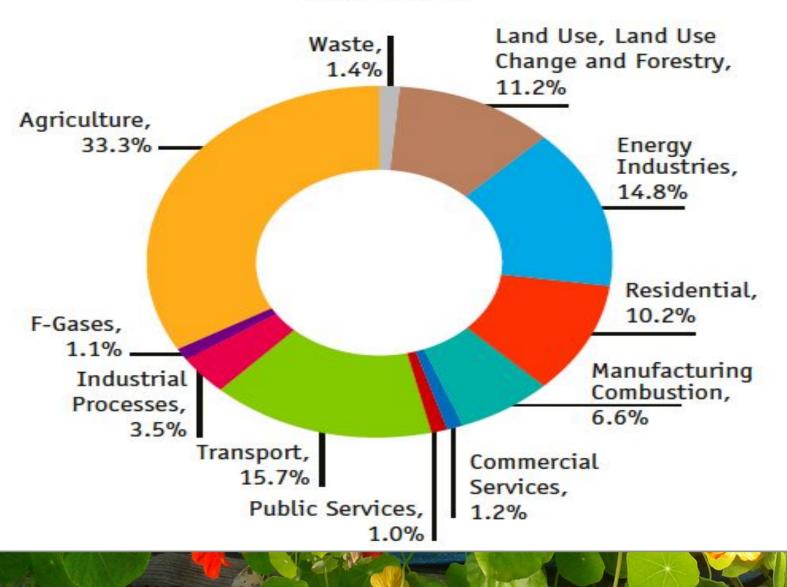
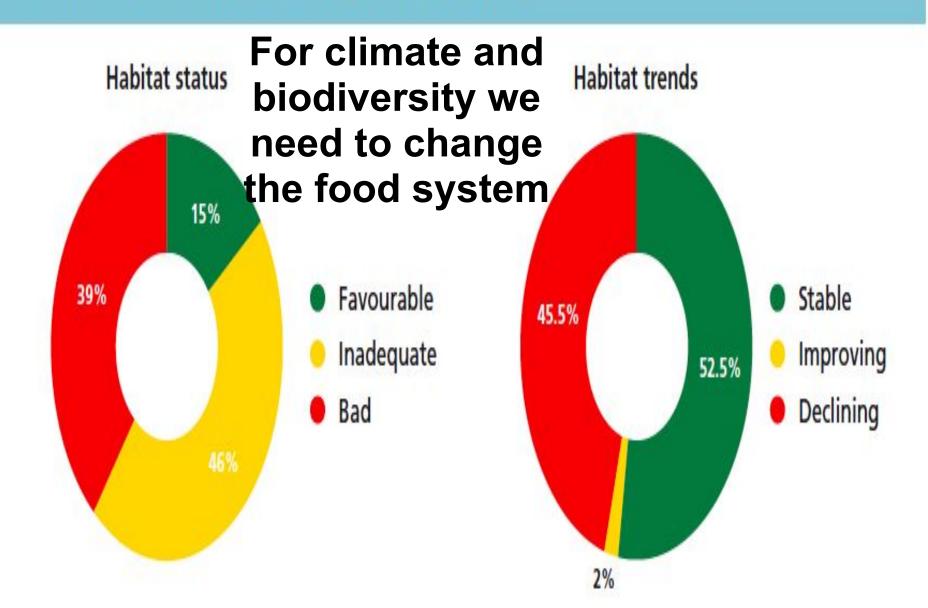
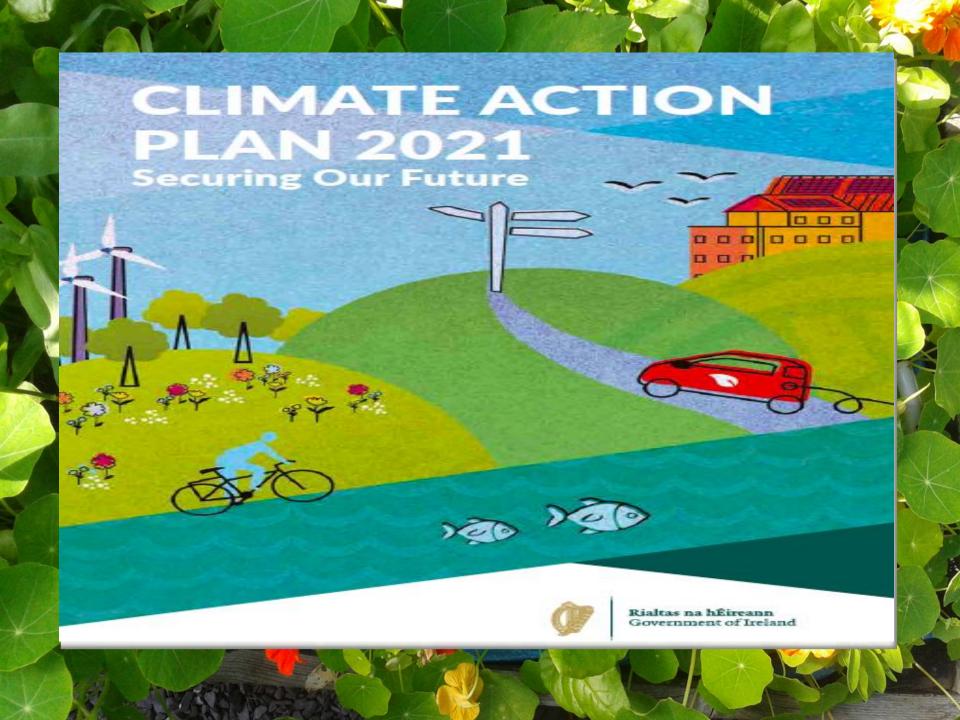


Figure 6.1 Overall assessment results for the status of and trends in habitats protected under the EU Habitats Directive in Ireland (Source: NPWS Article 17 Data 2019)





Ireland Climate Action Plan 2019

Citizens and Communities

Engage Communities across the country through:

- Establishing a Community Outreach Programme
- Driving action through the National Dialogue on Climate Action
- Increase the number of Sustainable Energy Communities to 1,500
- Develop flagship low-carbon projects in all Local Authorities

Ireland Climate Action Plan 2019



By 2030

for public buses in our cities from 1 July 2019

-0	-0-

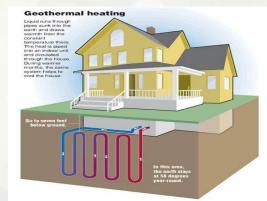
St Patrick's, Kiltegan, Co. Wicklow

ALTERNATIVE ENERGY SOURCES









Worksheet One

Assessing Potential Actions

Assessing potential actions

	Small effect	Medium effect	Large effect
Low cost / easy			
Medium			
High cost / difficult			

What climate and biodiversity actions or projects have already been identified as an individual or for a Community? How have you assessed and prioritised the many actions? Are there any new projects you have thought of which you think should be included in your climate and biodiversity action Plan?

Potential Community Waste Actions

- Connect with waste action groups / litter picking groups
- Participate in residents' association looking after your street
- Ask local retailers and cafes to offer refills
- Organise swap shops, repair cafes
- Allotment / composting groups train up people in related skills
- Participate in National Spring Clean litter campaign
- Engage with Reuse Month (November)
- Can disused community spaces be put to better use?

Potential Community Consumption Actions

- Community reuse and repair projects
- Local Exchange Trading Schemes (LETS)
- Local currencies
- Explore possible Social Entreprises
- Encourage Circular Businesses (see Circuleire Irish Circular Research)
- Leasing products like xerox (photocopies), Mud Jeans, Interface (carpet tiles), etc.
- Transition Towns
- Localisation of the economy
 <u>https://www.localfutures.org/</u>
- Working from home, four day work week

Potential Community Food Actions

Set up or visit a local farmers market Organise a potluck with friends or neighbours. Join a local GIY or allotment group Encourage local community groups / schools to join the Meat free Mondays campaign or a vegan challenge Organise regular plant based healthy cooking classes Work with council to establish a commercial horticulture area in your community Ensure all households and have a brown bin or compost at home Ensure all restaurants have a food waste system

Potential Community Water Actions

- Organise community stream/river/coastal clean-ups.
- Explore participating in a River's Trust for the Lee
- Protect and restore a local water body.
- Find out about your local water supply
- Ask you local authority water community officer to speak to your group
- Educate others to reduce use of herbicides / pesticides in the community
- Participate in the Cork Harbour Festival

Potential Community Energy Actions

- Pass home energy saving kit around group
- Join/start a Sustainable Energy Community
 - Support, advice and info sharing
 - Group buying power for energy saving / microgeneration
 - Work on energy saving goals together
 - Warmer, healthier homes and other buildings for the most vulnerable
 - Community renewables projects renewable generation from community spaces

Potential Community Travel Actions

- Connect with travel campaign/support groups
- Make your street nicer place to walk (litter pick / planting)
- Making walkways more accessible
- Community walks/rides
- Street Feast (road closures)
- Car club / car sharing
- Play streets (road closures)
- Parklets / Parking Day
- Walk/bike buddy offer
- "Bike bus" to school

Potential Community Biodiversity Actions

- Implement the actions of a Biodiversity Action Plan
- Explore Cork City's Green & Blue infrastructure Plans
- Establish an Urban Rain Garden
- Support Sustainable urban drainage systems
- Harpers island/ cape clear bird sanctuary/ Beara forest/ lets plant a forest/ dark sky parks/ reserves
- Focused interventions for specific species (pearl mussel/ natterjack toad/ corncrake/ eagles)
- Protect a local Wetlands like Clogheen Fen
- https://www.communitywetlandsforum.ie/
- https://www.catchments.ie/sustainable-community-engage ment-in-wetlands/
- Join a National Conservation group www.ien.ie
- Set up a local citizen Science Project with the National Parks and Wildlife Service
- EcoUNESCO YEA or http://www.heritageinschools.ie/

Food and Water

Local Farmers Market using only fully compostable & recyclable materials

Savour Food is a food waste reduction initiative for business.

Local businesses converting food waste to biofuels Connecting thoughts Food Cloud, Douglas Market, Meals on Wheels, Helping Homeless, Grow HQ Waterford

Establish a Community Garden Local food growing and production International plant rich Cookery courses also to integrate immigrant communities Water quality monitoring programme

Waste and Consumption

Vacant Buildings used for business / accommodation Repair café

Reuse and recycle old paint

Community rental scheme for garden tools, etc

Refill stations in shops for bulk goods and detergents Charity shops

Rental Shop and/or lending libraries for garden and DIY tools

Local businesses Reducing plastic use

Energy and Travel

Energy Hubs - Northside Community Entreprise Energy Hub - helping people to get funding to insulate homes Affordable & clean energy retrofits (SEAI) Solar energy use – solar schools, public buildings, businesses Electrify public and school buses Walk and cycle to school campaign Walk and cycle ways Air Pollution Information

CCAP Douglas Potential Projects

- 1. Action: Douglas Community Network (DANCE) website
- 2. Action: Charity shops
- 3. Action: Community rental scheme for garden tools, etc
- 4. Action: Energy Hubs NCE Insulation Energy Hub
- 5. Action: Establish a Community Garden
- 6. Action: Rental Shop and/or lending libraries for garden and DIY tools
- 7. Action: Water quality monitoring programme
- 8. Awareness raising: Affordable & clean energy retrofits (SEAI)
- 9. Awareness raising: Air Pollution Information
- 10. Awareness raising: Local food growing and production
- 11. Awareness raising: Walk and cycle to school campaign
- 12. Community building: Connecting thoughts Food Cloud, Douglas Market, Meals on Wheels, Helping Homeless, Grow HQ Waterford
- 13. Community building: International plant rich cookery courses to integrate immigrant communities
- 14. Community building: Repair café in Douglas
- 15. Lobby: Douglas Farmers Market using only fully compostable & recyclable materials
- 16. Lobby: Electrify public and school buses
- 17. Lobby: Local businesses converting food waste to biofuels
- 18. Lobby: Local businesses Reducing plastic use
- 19. Lobby: Refill stations in shops for bulk goods and detergents
- 20. Lobby: Revive paint in Douglas
- 21. Lobby: Savour Food is a food waste reduction initiative for business
- 22. Lobby: Solar energy use solar schools, public buildings, businesses
- 23. Lobby: Vacant Buildings used for business / accommodation
- 24. Lobby: Walk and cycle ways

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Potential Projects Biodiversity and Nature Based Solutions Douglas Biodiversity Action Plan Pollinator Planting Water quality monitoring programme Education on impacts of pesticides and why to stop Access to biodiversity information **Biodiversity in our gardens** Removal and control of invasive species Wildflower meadows and no cut zones/periods **Trees and hedgerows – Climate Pocket Forest** Bird nest boxes (Birdwatch Ireland) Bat boxes (Bat Conservation Ireland) Change mown grass to pollinator friendly planting Green roofs – e.g. at Douglas Court Shopping Centre

Community and Wellbeing

Create a town centre with Pedestrian Areas A central green space that includes a community garden, trees, a shelter for community gatherings and arts events, A focal grandstand with solar roof for all weather use - an entertainment zone e.g. Community festivals Poetry in the Park Intergenerational groups and activities in the community and in green spaces - outdoor chess tables? **Neighbours Helping Neighbours Network** Engagement with the Kinsale Road Accommodation Centre

Communication

Legacy Project - DANCE Hub - Providing Information and Engaging Local Communities **Green Energy Solutions** Art on walls and utilities (Waterford Walls) Knowledge & education re the climate crisis An empowered community An community who knows how they can have a positive impact individually Create opportunities to interact with local authorities and national policy makers to discuss climate action – to create a Top Down and Bottom Up approach

Actions in Consumption & Waste, Travel & Energy, Food & Water and Biodiversity	Climate / biodiversity benefit				
Cost / Ease of Implementation	Small effect	Medium effect	Large effect		
Low cost / easy	Water only take a shower once a week Travel Travelling by car reduce speed to 80 km Food Try to buy less food in packages.	Consumption Try to reduce my buying of clothes. Recommend this to my family. Travel Mainly use public transport Biodiversity Plant garden with Pollinator friendly plants	Food & Food Waste Grow some veg and eat at least 1 or 2 Veg meals a week. Compost most domestic food waste Community Recommend to the local Enviro group		
Medium cost/difficulty	Water Have a Water Butt for summer spraying	Biodiversity Saving some native tree saplings to plant on a farm.	Community I attend the "Fridays for Future" campaign as often as possible.		
High cost / difficult		Community Taking some time to change attitudes that this planet belongs to all	Energy, Have installed Solar Panels at home		

Biodiversity Action Plans











The Community Foundation for Ireland

The River Lee at Ballincollig.





Clockwise from top left: Kingfisher, Mistle Thrush, Robin, Grey Heron, Yellowhammer, Sparrowhawk







Young Environmentalist Awards

#YEA21: Celebrating 22 years

50,000+

young people involved

since 1999



young people engaged

in #YEA2021

Choice Awards





projects registered for #YEA21 finalist groups







18



+1,600

Young Environmentalist Broadcast Ceremony 2020 Vision for a particular action - what could our community look like in 2025?

> Use the '<u>Theory of</u> <u>Change Template</u>' who, what, where, when, how

Theory of Change - Clarify priorities by defining our project with goals and the path to reach them

Define Problem	Define Project (Action Plan)	Define Solution	
What is the problem we are trying to solve? What do we want to change?	What steps are needed to read Who is going to do what, when information and supports we w	What are we wanting to achieve? How will we know when we got there?	
Right now • . • . • . • . • . • . • .	First of all • . • . • . • . • . • . • .	After that • . • . • . • . • . • . • . • . •	In the end • What will it look like? • . • . • . • . • . • . • . • .
What is already there Others have done • . • . • . • . • . • .	• . • . • .	• . • . • .	We are going to stay motivated/connect/celebr ate by
	In order to be successful we at • . • . • . • . • . • . • . • .	• . • . • . • . • . • .	
	Eat the Elephant in Chunks	;! ;!	

Sample Vision Statement

To build community and work with one another to create a more environmentally, socially, and economically sustainable and inclusive community within Douglas.

Our goal is to conserve and regenerate our precious environment for the benefit of future generations

Mission Statement Extract

We are mindful that what we do today impacts our children's future and generations to come. We acknowledge that our actions and use of resources also impacts those who,have contributed little to climate breakdown and biodiversity loss but who are suffering the consequences now. We will do our part and will support one another in the transition to a more sustainable way of life.

Project Overview - Critical Tasks List

Project Description and its People Ways to protect from overwhelm and burnout

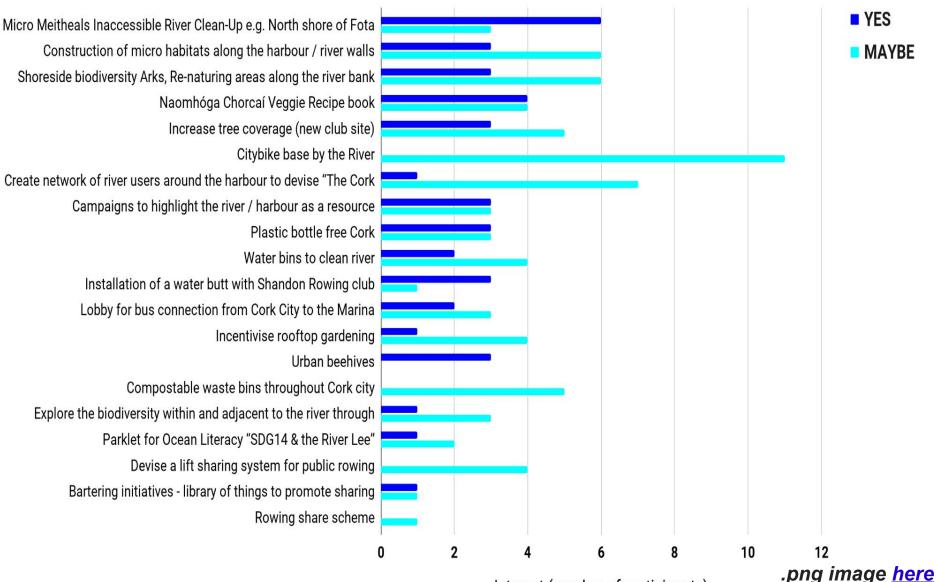
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Task Name	What needs doing?	Who is/are doing it?	What do they need in order to be able to do it?	When will it be done?	Last updated		

Who is interested in taking on a leadership role and who a supporting role for particular actions?

Potential Projects CCAP Naomhóga Chórcaí

CCAP 2021 Naomhóga Chórcaí Potential Actions



Interest (number of participants)

Are ther others, not here today, that might easily support you in achieving some of these projects? Do we have enough group cohesion already in this bigger group to continue working together, or will you organise around sub-interests? Are there projects you are happy doing on your own but would like support/encouragement with? Are there any group projects that are easy wins? On larger projects, i.e. are there smaller achievable milestones to give you energy to continue plowing on (small hills to pause and enjoy the view on the way up the mountain)?

Have others already found solutions to similar problems? Are there other groups we can liaise with around this? What other information might we need to collect? How are we going to communicate with each other? How often/when are we going to meet? Who is doing what? Who else do we need to contact? Will we need someone's permission or

to apply for funding?

By when are we doing our next step/activity? By when are we hoping to have achieved our goal?

What are the next steps for your community? Identify partner organisations, supports and potential funding needed for projects.



Brief introduction to the '<u>Eco-questionnaire</u>' review

