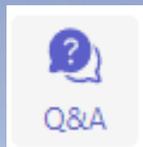


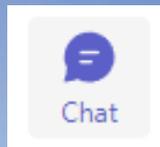
Local Place Plans and Climate Change Learning Event – starting at 6:30pm



Meeting will be recorded & made available on-line after the event.



Please use the Q&A function for any questions



The Chat function has been disabled



Please mute yourself during the presentation



22 August 2024

www.highland.gov.uk/localplaceplans

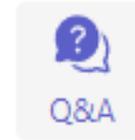
www.highland.gov.uk/localplaceplanregister

Local Place Plans and Climate Change - Learning Event

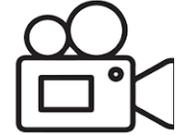
- Welcome to our learning event all about **Local Place Plans and Climate Change**. We have a great level of interest in the event from a wide range of people with **interest in Climate Change** as a consideration for communities who are Local Place Planning in Highland. We hope you find it helpful!
- Community reps will share with us their **experiences of considering this topic from a local perspective**.
- Highland Council will set a brief '**planning**' context, and along with a range of organisations will seek to **demystify this big topic** and highlight supporting **resources** that communities may find helpful.
- There will be plenty of time allocated too for discussion and **Q&A**.
- The event is being **recorded** and will be published on THC's YouTube.

Highland Local Place Plans - Learning Event

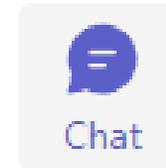
1. **Welcome, Purpose and Introductions**
– Scott Dalgarno, THC
2. **Morvern** (Annie & Annabel) **and Golspie** (Henrietta)
3. **Climate Hub** (Mhairi & Joan) **and THC Climate Change & Energy Team** (Neil & Isla)
4. **The Planning Context** (Scott)
5. **Q&A**



Please use the Q&A function for any questions



Meeting will be recorded & made available on-line after the event.



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**Community Vision
and Action Plan**

live
Life
Morvern

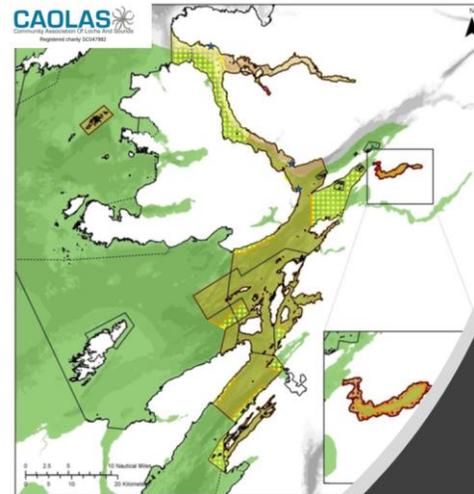
Necessary community action & knowledge building 1999-2011



Environmental consciousness.....& jobs



A community perspective: collaboration



Reality

- Raising awareness about a complex issue – when is an MPA not an MPA? Active MPA's
- Expectations
- Engagement
- Relevance
- First step in a long battle ... pace yourself, time, human resources, collecting evidence - biodiversity, PMF's impacts

Rainforest Restoration Trainee - Saving Morvern's Rainforest

Reference: MAY20241185

Location: Lochaline, Morvern

Salary: £23,401.00 - £25,122.00 Per Annum

Contract: 12 months

Hours: Full-Time

Benefits: Pension Scheme, Life Assurance Scheme, 26 days' Annual Leave

Glencripesdale nature reserve: Boost for Scotland rainforest recovery as RSPB takes over

1st August 2022
 ENVIRONMENT SCOTLAND
 By [Jody Harrison](#)
 Reporter
[@jodharrison11](#)
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 No Comments



You only need to step foot in Scotland's lush, verdant and atmospheric rainforests to understand their enchantment. Bursting with biodiversity, these woodlands are one of the world's rarest habitats. But Scotland's Rainforest is in trouble and urgent action is needed to save it.

Despite being less well-known than tropical rainforests, those in good condition in Scotland can contain as many as 200 species of lichens, mosses and liverworts in just one hectare

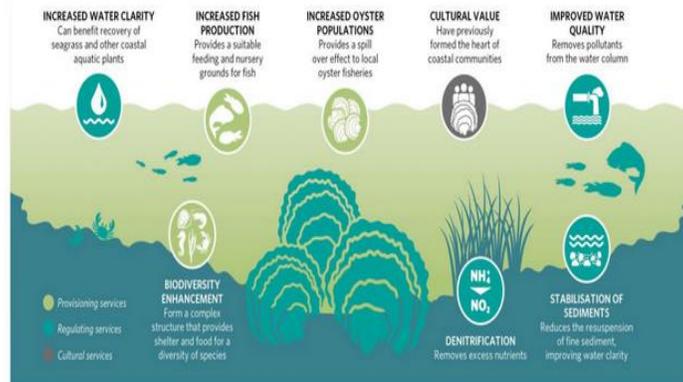
Lochaline Native Oyster Project - 2024

4 employees

Blue carbon

- Carbon stored in coastal and marine ecosystems
- Coastal ecosystems can sequester and store more carbon than terrestrial ecosystems
- Degraded or damaged carbon sinks like these LOSE carbon
- Restoration of these habitats= nature based solution to climate change

ECOSYSTEM SERVICES PROVIDED BY NATIVE OYSTERS *OSTREA EDULIS*

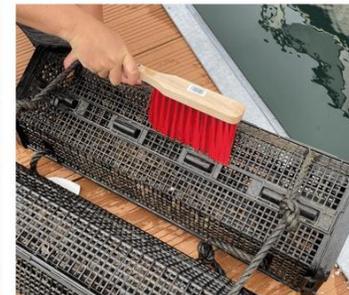


Restoring that abundance

year, a single hectare of rebuilt reef will:

- FILTER** 2.7 billion liters of seawater
- REMOVE** 166 kilograms of nutrient pollution
- PRODUCE** 375 kilograms of new fish
- PROVIDE** habitat for 100+ marine species
- SAVE** 100 m³ of waste from landfill

Chris Gilles- The Nature Conservancy



©2020, Native Oyster Network - UK & Ireland, Native Oyster Restoration Alliance.



Morvern Does COP26 hailed a great success

United Kingdom · Glasgow · United Nations

2 Dec 2021 [+1 more](#)



The community in the Morvern peninsula might be small (approximately 350 permanent residents) but it doesn't lack ambition.

To coincide with the COP26 UN climate conference in Glasgow earlier this month the Morvern community held a series of events promoting

2021

The Herald

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Locals fail in bid to buy Killundine Estate in Morvern

31st October 2020

SCOTLAND



By Victoria Brennan
Assistant News Editor

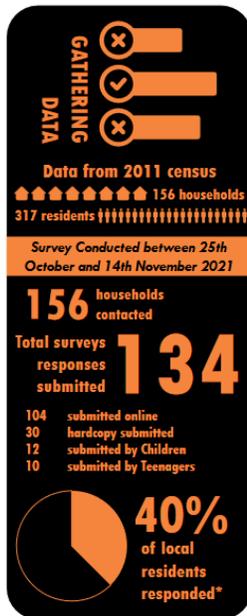
Share

1 Comment



Kilundine estate

It is one of the remotest parts of Scotland that has suffered years of depopulation. But a small Highland community has surprisingly rejected the chance to buy a stunning estate and re-populate it – even though it had the last minute offer of £1 million from a mystery millionaire.



*Typically between 5% and 20% for similar community surveys elsewhere in Scotland
**This included one community survey feedback workshop, two Visioning Workshops, three Action Planning Workshops, one Prioritisation Workshop and one Community Group Forum.

2021: 3 x 1 bed houses to let at Miner's Court, LA



Barr River -1.6MW run of river Hydro 2021. Community owned assets now £7m



Challenges & Strengths

- Local impact of regional/national decisions
- NPF4, NMP2 - pushing communities eg Aquaculture
- Morvern LPP whole 'scape approach
- Communities are volunteers
- Remoteness
- Working with what we have
- Emerging blue/green job economy
- Being heard

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EXCLUSIVE

ScotGov 'won't intervene' over £60m cost to resolve Corran ferry chaos

11th April 2023

ECONOMY LOCAL GOVERNMENT NATIONAL GOVERNMENT TRANSPORT SCOTLAND



Exclusive by Martin Williams

Senior News Reporter

@MartinIWilliams

Share   

47 Comments



Ministers 'won't intervene' over £60m cost to resolve new Scots ferry fiasco (Image: .)

CONCERNS have been raised as the re1
been pulled from service has been cos

Plans made to recover sunken boat at Sound of Mull fish farm



Resources and more info

<https://morvern.org/>

Our film -

<https://www.dropbox.com/scl/fi/gmvyvxymepbfnkoabf7I/SPIA-Sustainable-category-Planning-Aid-Scotland-Live-Life-Morvern.mp4?rlkey=pj8knv8ajwzn7ypxd8yq81u4d&e=2&dl=0>

Admin@mcadc.org

Annie Tordoff 07815453817

Annabel Lawrence 07812010234



Golspie
Henrietta Marriot
Golspie Flood Action Group

Local Place Plans & Climate Action

22nd August 2024
Joan Lawrie



HIGHLANDS & ISLANDS
CLIMATE HUB



The HUB

Our vision is for communities throughout the Highlands & Islands to be bold, collaborative and resilient by creating climate friendly projects and initiatives which address the needs of their communities and lead to a transformational climate ready region.

We do this through:

- Support
- Collaboration
- Education & training
- Celebrating community climate action
- Capacity building
- Giving a voice to our communities
- Funding support



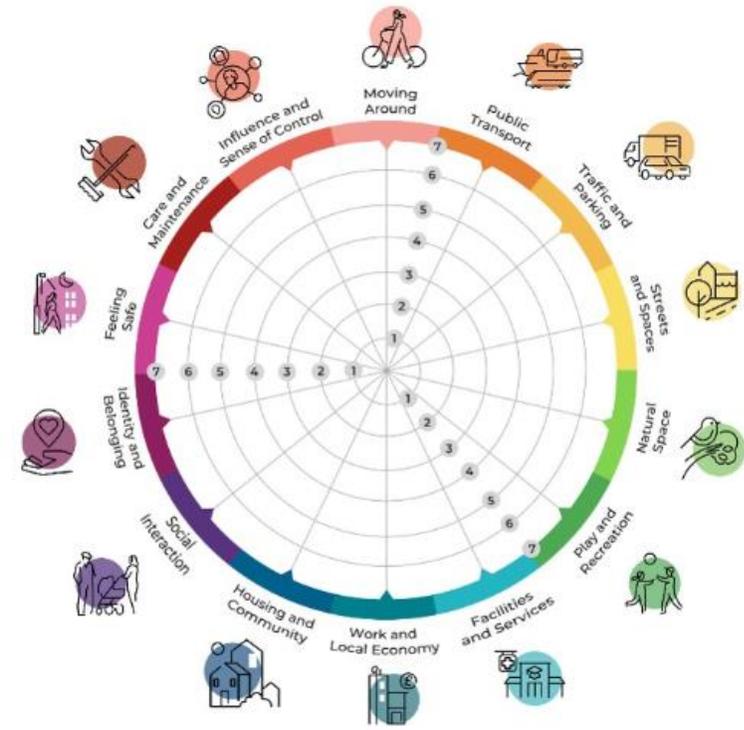
Climate Conversations

Climate Conversation Pack | Net Zero Nation
H&I Climate Hub can also help with a pack!



Place Standard with Climate Lens

Place Standard with a Climate Lens | Our Place

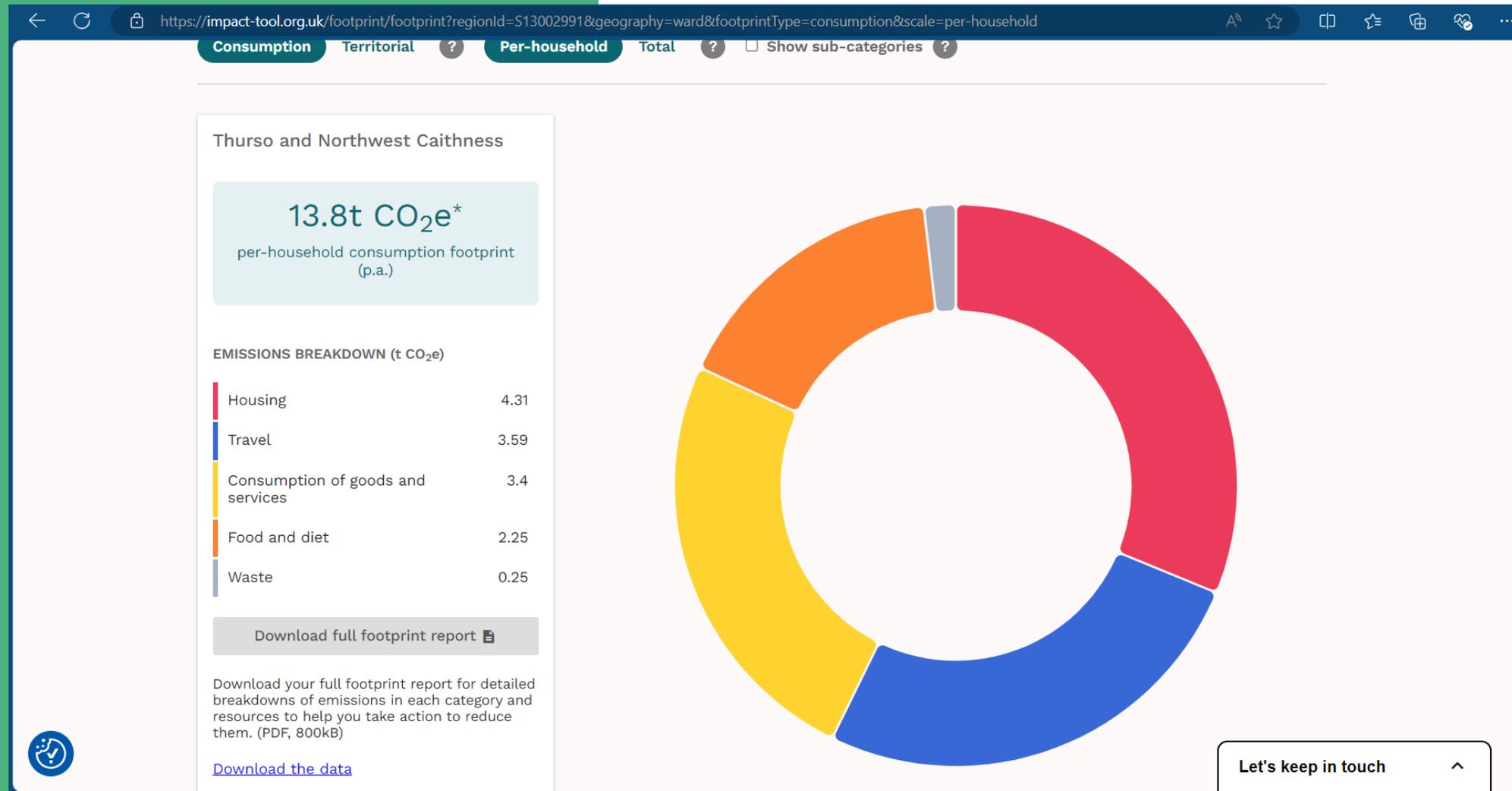


Impact Carbon Reporting

Use as a tool to start a conversation

[Footprint](#) | [Impact](#) | [Community carbon calculator](#)

impact-tool.org.uk



Community Climate Adaptation Routemap

A practical guide for communities to adapt to climate change.

Adaptation
Scotland
supporting climate change resilience

 **sniffer**
knowledge brokers
for a resilient Scotland



Scottish Government
Riaghaltas na h-Alba
gov.scot

 **DEVELOPMENT TRUSTS ASSOCIATION SCOTLAND**
the community-led regeneration network

 Scottish Communities
Climate Action Network



 **NORTH HIGHLANDS & ISLANDS CLIMATE HUB**

 **NESCAN HUB**



[Adaptation Scotland :: Community Climate Adaptation Routemap](#)

UNADAPTED ADAPTING



Climate Literacy Training

- Fully accredited
- One day in person course
- Or 2/3 session online course
- Certified Carbon Literate Award

Climate Awareness Training

- Shortened version
- Can be used self directed
- Launching Autumn Winter



Carbon Literacy Project



enquiries@hiclimatehub.co.uk

Contact Us



www.hiclimaturehub.co.uk



enquiries@hiclimaturehub.co.uk

Find us on social media:



[@HIClimateHub](https://www.instagram.com/HIClimateHub)

Joan Lawrie
Hub Manager
Joan@hiclimaturehub.co.uk



HIGHLANDS & ISLANDS
CLIMATE HUB





Highland Adapts



Highland Adapts



Bringing our communities, businesses, land managers, and public sector together to facilitate transformational action towards a prosperous, climate-ready Highland.





Adaptation

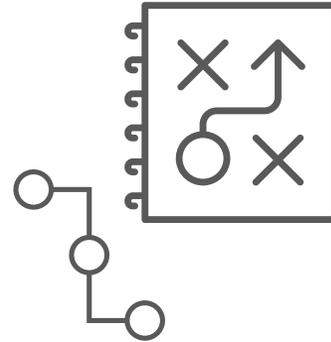
Any action to **reduce vulnerability** to the actual or expected impacts of climate change.



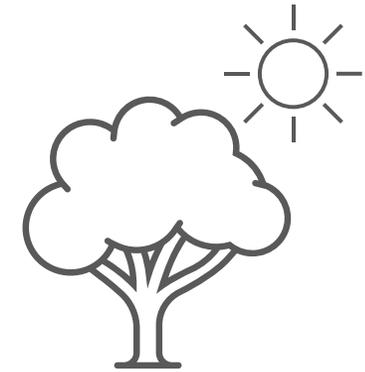
Ensuring our buildings and places are designed to cope in new climate



Flood and drainage infrastructure can handle excess rainfall



Contingency planning and supply chain resilience



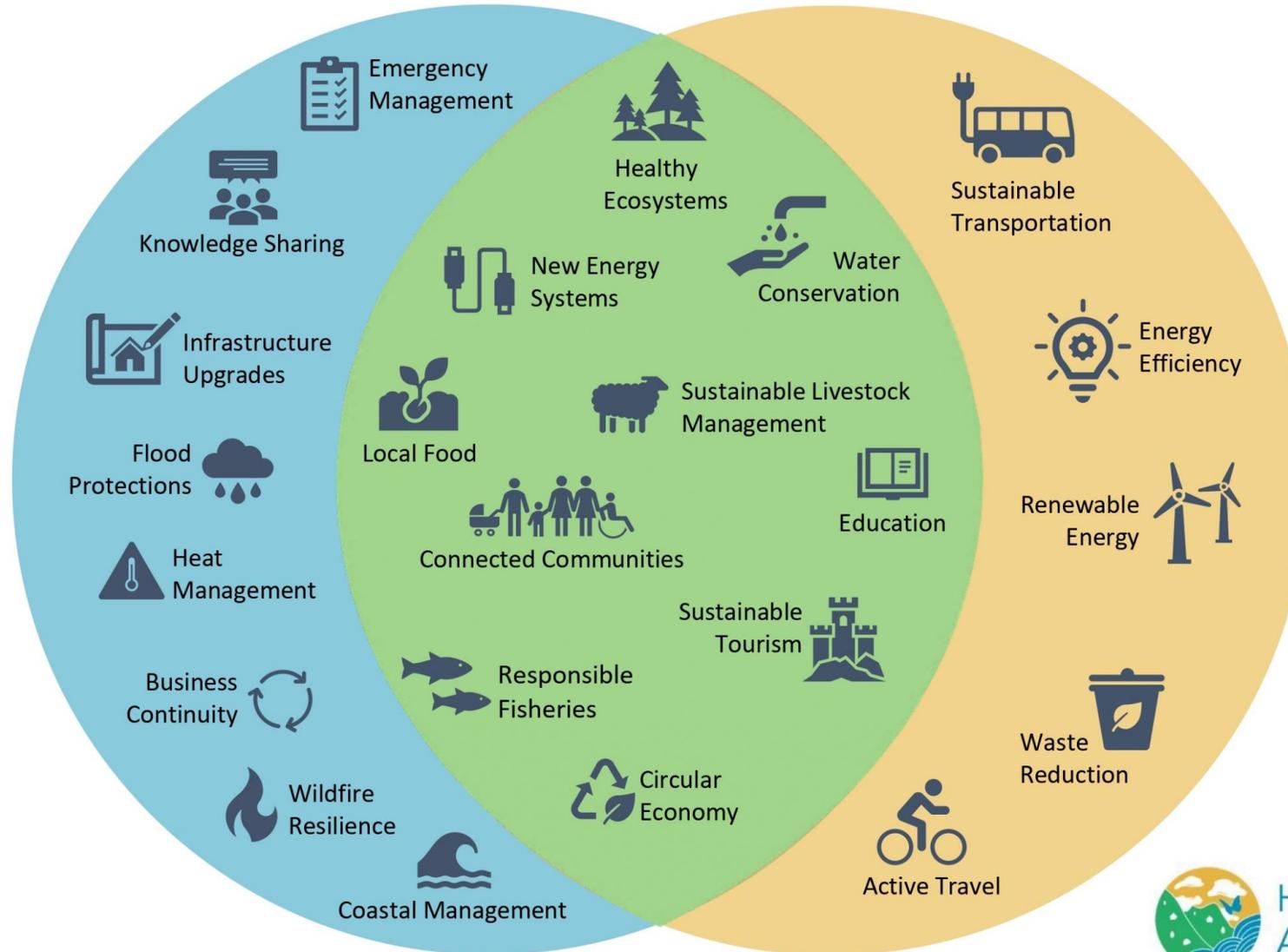
Trees provide cooling and shade in urban areas

Adaptation

Actions that manage and reduce the negative impacts of climate change

Mitigation

Actions that reduce the emissions* that contribute to climate change



Impacts happening faster than expected

Worst-case global warming predictions are the most accurate, say climate experts

'Doomsday' seed vault in the Arctic has FLOODED after soaring global temperatures caused permafrost to melt

'We're f***': Climate change will be catastrophic for mankind after study reveals methane leaking from the Arctic Ocean, scientist warns**

The North Pole is an insane 20C warmer than normal winter descends

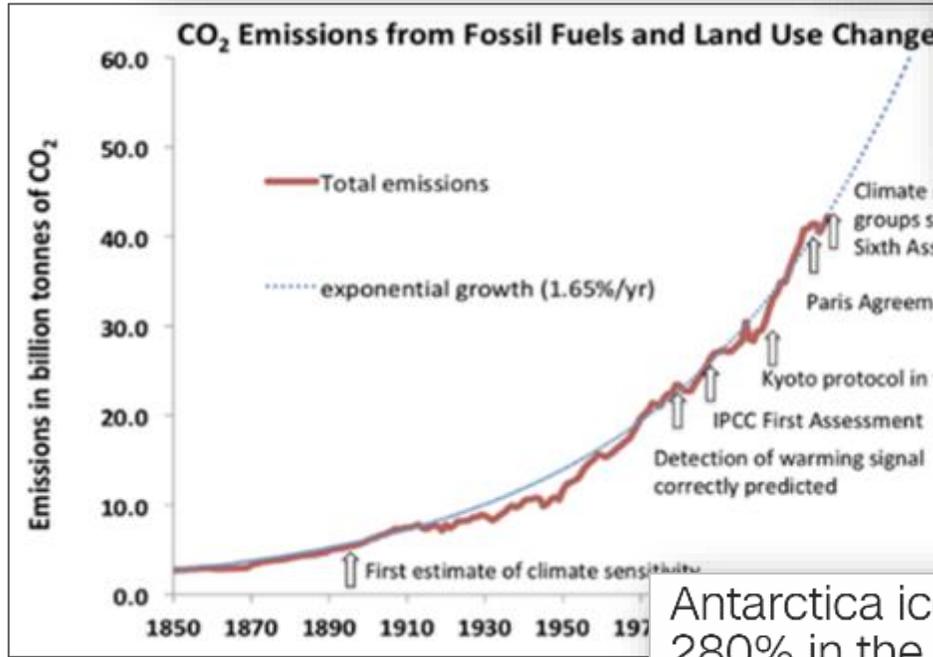
**"Nowhere is safe ... who would have predicted a temperature of 48/49C in British Columbia?"
Sir David King**

We are perilously close to dramatic climate change that could run out of our control

Scientists deliver 'final warning' on climate crisis: act now or it's too late

IPCC report says only swift and drastic action can avert irrevocable damage to world

GLOBAL WARMING DOOMSDAY ALERT



The Ocean Is Warming at a Rate of 5 Atom Bombs Per Second, Scientists Warn

Canadian inferno: northern heat exceeds worst-case climate models

IMF chief 'couldn't sleep' after reading climate report: 'What have we done?'

Amazon rainforest 'close to irreversible tipping point'

Antarctica ice melt has accelerated by 280% in the last 4 decades

Keep global warming under 1.5C or quarter of planet could become arid



Projections for Scotland

Temperature	Precipitation	Coastal change
<ul style="list-style-type: none"> • Projected to increase in all seasons (greatest rise in summer) • Very cold conditions could still occur • Considerable uncertainty re slowing of Gulf stream. Could Scotland get colder? • Recent heatwaves 10x more likely. By 2050, 2018 will be average or cool summer 	<ul style="list-style-type: none"> • Winters projected to become wetter. Summers drier but jet stream might complicate this • Rainfall increases will be largest in the west, drought risk worst in east • Significant increase in frequency and intensity of downpour events • Likelihood of extreme drought increases from average of 1-in-20 years, to 1-in-3 years by 2040. 	<ul style="list-style-type: none"> • 32cm sea level rise by 2050, 1.2m by 2100 • Sea level rise will keep on accelerating until temperatures stabilise • If major ice sheets are destabilised seas could rise for centuries. Scotland facing 8m SLR by 2300 • Modelling gaps – problem is being seriously understated

Observed change in Scotland

Temperature	Precipitation	Coastal change
<ul style="list-style-type: none"> The last decade was 0.69 °C warmer than 1961 – 1990 average. 10 warmest years have all occurred since 1997. 2022 was Scotland's hottest year ever 	<ul style="list-style-type: none"> Winters now 19% wetter than 1961 – 1990 average Average rainfall +9% Drainage system running out of capacity Winter storms increasing in frequency and intensity 	<ul style="list-style-type: none"> Global rate of sea level rise has trebled since the 1990s – now 4.8mm per year UK SLR (1993-2023) +11.4cm UK SLR previous 90 years (1900-1993) +7cm Increased impacts from storm surge and erosion





Share a story of how you have experienced weather and/or climate at this place

Were you positively or negatively impacted? When did this happen? How did you feel?



Highland
Adapts

Highland Climate Risk & Opportunity Assessment





Highland Adapts



Net Zero, Energy Investment & Innovation

Neoni Lom, Tasgadh Lùtha & Ùr-ghnàthachadh





Highland Council's Climate Change & Energy Team is tasked with securing and administering external funding opportunities.

- Current external funding includes for domestic properties:
 - **Energy Efficiency Scotland: Area Based Scheme (EES:ABS)**
 - Funded by the Scottish Government.
 - **Energy Company Obligation (ECO4) Flex & the Great British Insulation Scheme (GBIS)**
 - Legal obligation on energy suppliers to deliver energy efficiency and heating measures to domestic properties.
 - **SSE Renewables grant**
 - Grant funding to provide additional support to households classed as Extreme Fuel Poor.



Caol Swedish Timber Properties

- The project adopts a fabric first approach to energy efficiency and supports the Council to improve stock condition and achieve Social Housing Net Zero Standard (SHNZS).
- External funding (Energy Company Obligation (ECO4)) secured to part fund the works.
- The average starting pre-Energy Performance Certificate (EPC) rating for properties was a band E and properties are expected to achieve a band B following the completion of the energy efficiency works.



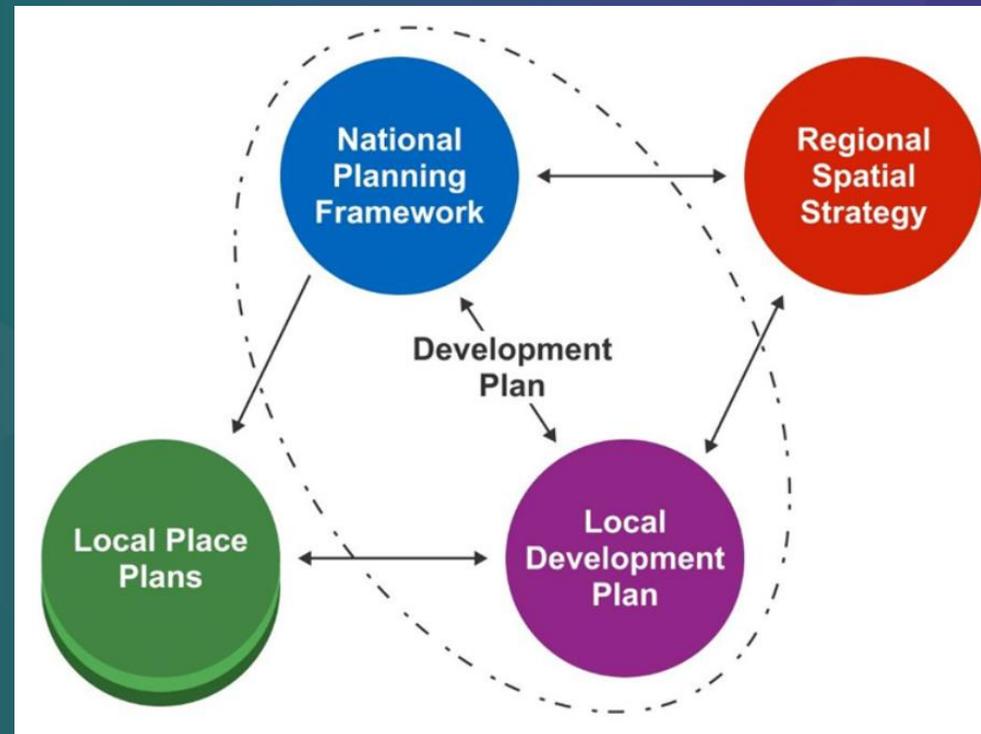


Isle of Raasay

- The Isle of Raasay identified housing energy efficiency as the community's top priority to tackle in their Community Climate Action Plan.
- A significant number of properties on the island are pre-1919 stone and most have solid fuel and oil heating.
 - Domestic heating is the most carbon intensive sector on the island contributing 42.5% (708tCO₂e) of the total energy emissions.
- The Carbon Neutral Islands project alongside the Council and Home Energy Scotland is currently in the process of developing a collective retrofit approach.
- Delivering a place-based retrofit project.

Local Place Plans and Climate Change: The Planning Context

Scott Dalgarno, THC



National Planning Framework 4 includes policies on.....

Tackling the climate and nature crises

Coastal Development

Sustainable Transport

Heating and Cooling

Climate mitigation and adaptation

Energy

Infrastructure First

Flood risk and water management

NPF4 says.....

“**Local Development Plans (LDPs)**..... must address the global climate emergency and nature crisis by ensuring the spatial strategy will reduce emissions and adapt to current and future risks of climate change by promoting nature recovery and restoration in the area.”

“The LDP spatial strategy should be designed to reduce, minimise or avoid greenhouse gas emissions. The six spatial principles should form the basis of the spatial strategy, helping to guide development to, and create, sustainable locations. The strategy should be informed by an understanding of the impacts of the proposals on greenhouse gas emissions.”

“LDPs should support adaptation to the current and future impacts of climate change by taking into account climate risks, guiding development away from vulnerable areas, and enabling places to adapt to those risks.”

Local Place Plans prepared by communities can help identify what this might look like for local areas in Highland – feeding in to the LDP.

Spatial Principles

Just transition

We will empower people to shape their places and ensure the transition to net zero is fair and inclusive.

Conserving and recycling assets

We will make productive use of existing buildings, places, infrastructure and services, locking in carbon, minimising waste, and building a circular economy.

Local living

We will support local liveability and improve community health and wellbeing by ensuring people can easily access services, greenspace, learning, work and leisure locally.

Compact urban growth

We will limit urban expansion so we can optimise the use of land to provide services and resources, including carbon storage, flood risk management, blue and green infrastructure and biodiversity.

Rebalanced development

We will target development to create opportunities for communities and investment in areas of past decline, and manage development sustainably in areas of high demand.

Rural revitalisation

We will encourage sustainable development in rural areas, recognising the need to grow and support urban and rural communities together.

By applying these spatial principles, our national spatial strategy will support the planning and delivery of:

- **sustainable places**, where we reduce emissions, restore and better connect biodiversity;
- **liveable places**, where we can all live better, healthier lives; and
- **productive places**, where we have a greener, fairer and more inclusive wellbeing economy.



“But what are all these terms?!”

Carbon sequestration	Carbon sink
Climate change adaptation	Climate change mitigation
Decarbonisation	Just transition
Net zero	Sustainable development
Sustainable travel	20 minute neighbourhood

Annex F in NPF4 includes definitions for all of these 😊

As NPF4 explains.....

Climate change adaptation

“Climate change adaptation is about responding to the changes that we have seen in our climate over the last few decades, and preparing for the challenges that we will face as our climate continues to change.”

Climate change mitigation

“Climate change mitigation refers to efforts to reduce or prevent emissions of greenhouse gasses, which have a direct impact on global average temperatures, and reducing the current concentration of carbon dioxide by enhancing carbon sinks (for example, increasing the area of forest).”

Local Place Plans prepared by communities can help identify what this might look like for local areas in Highland – feeding in to the LDP.



Thank you Mòran taining



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www.youtube.com/TheHighlandCouncil

www.linkedin.com/company/highlandcouncil

Question & Answer Session

- **Please either:**
 - **Use the 'raise hand function' to ask your question in person (please remember to turn on your Microphone when asked)**
 - **OR use the 'Q&A' function**
- **Any question not answered, will be responded to after the event – and may be shared where appropriate.**
- **Please be polite and courteous.**



Thank you Mòran taining



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