

Climate Emergency Panels - Resources

How can we reduce the impact of the things we buy?



Tonight

1900 – 1930 Welcome and panel snapshots

1930 – 2000 Join a table

2000 – 2020 Join another group if you would like to

2020 – 2040 Join another group if you would like to

2045 – 2100 Feedback and next steps

Three themes:

- 1) How do we reduce the impact of the goods and services we buy?
- 2) How do we reduce the impact / concept of 'waste'?
- 3) How do we reduce the impact of food and land use?

Climate Emergency Plan

November:

- Climate panels 12th Energy
 19th Transport
 26th Resources
- Climate panel Frome College 29th

December:

- Draft and review plan linking in with CSE's Climate Emergency Programme
- Establish working group

January: Climate emergency plan published



The Resources Panel



Johannes Moeller
Director – Edventure Frome CIC



Jen Gale
Sustainable-ish



Heather Elgar
Regional External
Affairs Officer SW –
Woodland Trust



Chris Smaje
Vallis Veg,
Small Farm Future

Impact of resources

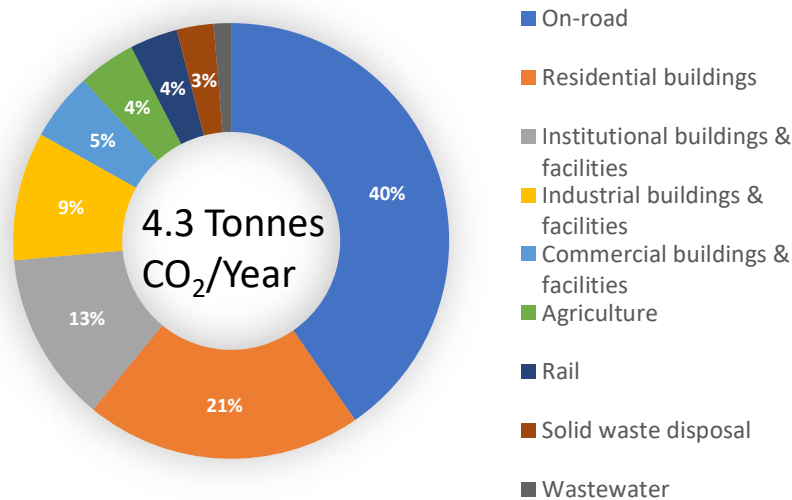
David Attenborough Clip:

<https://www.youtube.com/watch?v=q9WyLPgyuqo>

49.27- impact of consumer goods and food to 52.12

Our Footprint

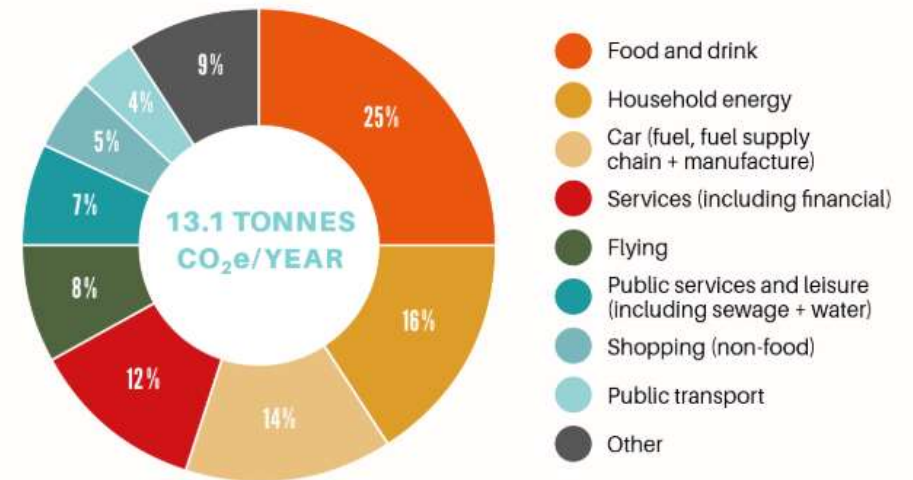
Frome's Carbon Dioxide Emissions



Source: Scatter

Packaging of home-delivered products now accounts for 30% of the solid rubbish in US, cardboard costs 1bn trees.

AVERAGE CARBON FOOTPRINT IN THE UK*



Source: Mike Berners Lee – Small World Consulting

Resources = 42%

Who does what

- National government – legislation, funding, regulation, infrastructure
- Somerset – highways, schools, pension fund
- Mendip – planning, business rates, car parks
- Frome Town Council – allotments, parks, innovative projects

Resources

- Support others such as the Toy Library and the Happy Nappy (cloth nappy) library
- Eliminated single use plastic at the council. Working with the community and businesses to reduce plastic and achieve [SAS's plastic free community](#) status
- Worked with [Protomax](#) to recycle VHS tapes and bottle tops and create recycled plastic noticeboards



Resources

- [Edventure Frome CIC](#) and Frome Town Council set up the UK's first Library of Things: [SHARE](#) in 2015
- SHARE saves the community £62,000 a year, 92 tonnes of greenhouse gases and 127 tonnes of materials and waste.



Resources

- [Edventure Frome CIC](#) and Frome Town Council worked together to set up the UK's first [Community Fridge](#), there are now more than 70 in the UK
- The fridge enables over 90,000 items a year to be enjoyed rather than be thrown away. This saves 140 tonnes of greenhouse gases, equivalent to driving 340,000 miles.
- [Hubub's community fridge network](#) can support others in setting up a fridge



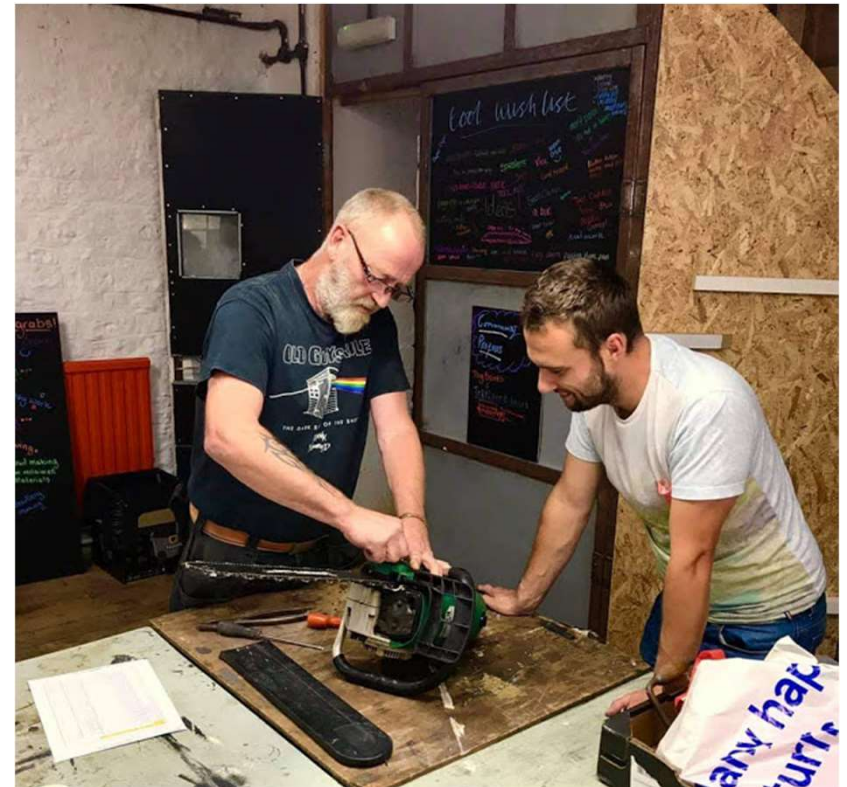
Resources

- [Edventure Frome CIC](#) set up the Frome Wardrobe Collective - a clothes sharing event with a team of students.
- The Frome Wardrobe Collective enabled 2321 good quality clothing items to be shared last year, saving approximately 16 tonnes of carbon (assuming that 3 items exchanged saved a 1 new one bought and produced).



Resources

- [Edventure Frome CIC](#), SHARE - a library of things and Frome Town Council ran 10 Repair cafe's in 2018 / 19.
- We fixed 198 items, saved 401kg in landfill and £9201.
- No carbon data available, but if each item had 30 kg of embodied carbon on average, it would be approximately 6 tonnes.
- For reference, an iPhone has 79kg of embodied carbon.



Market potential – Sharing & repairing in Frome

Could we increase the items we share and repair by 20%?

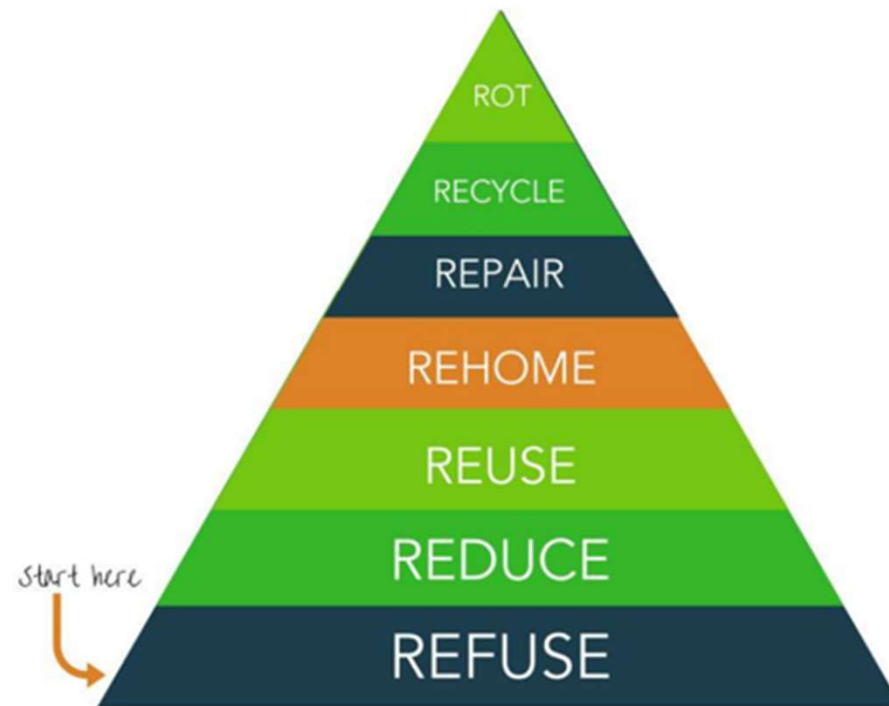
We would save 3930 tonnes of carbon* in Frome per year.

Approximately 131kg per person, which may be equivalent to not buying 2 electronic items because we share or repair them.

* Assuming goods represent 5% of our total carbon footprint (0.665 tonnes per person, 19650 tonnes of carbon in Frome).

Reducing the impact of resources and waste

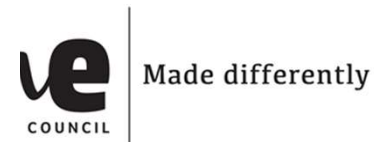
THE WASTE HIERARCHY



Sustainable Food - Chris Smaje



www.vallisveg.co.uk
www.smallfarmfuture.org.uk



Agriculture & Climate Change

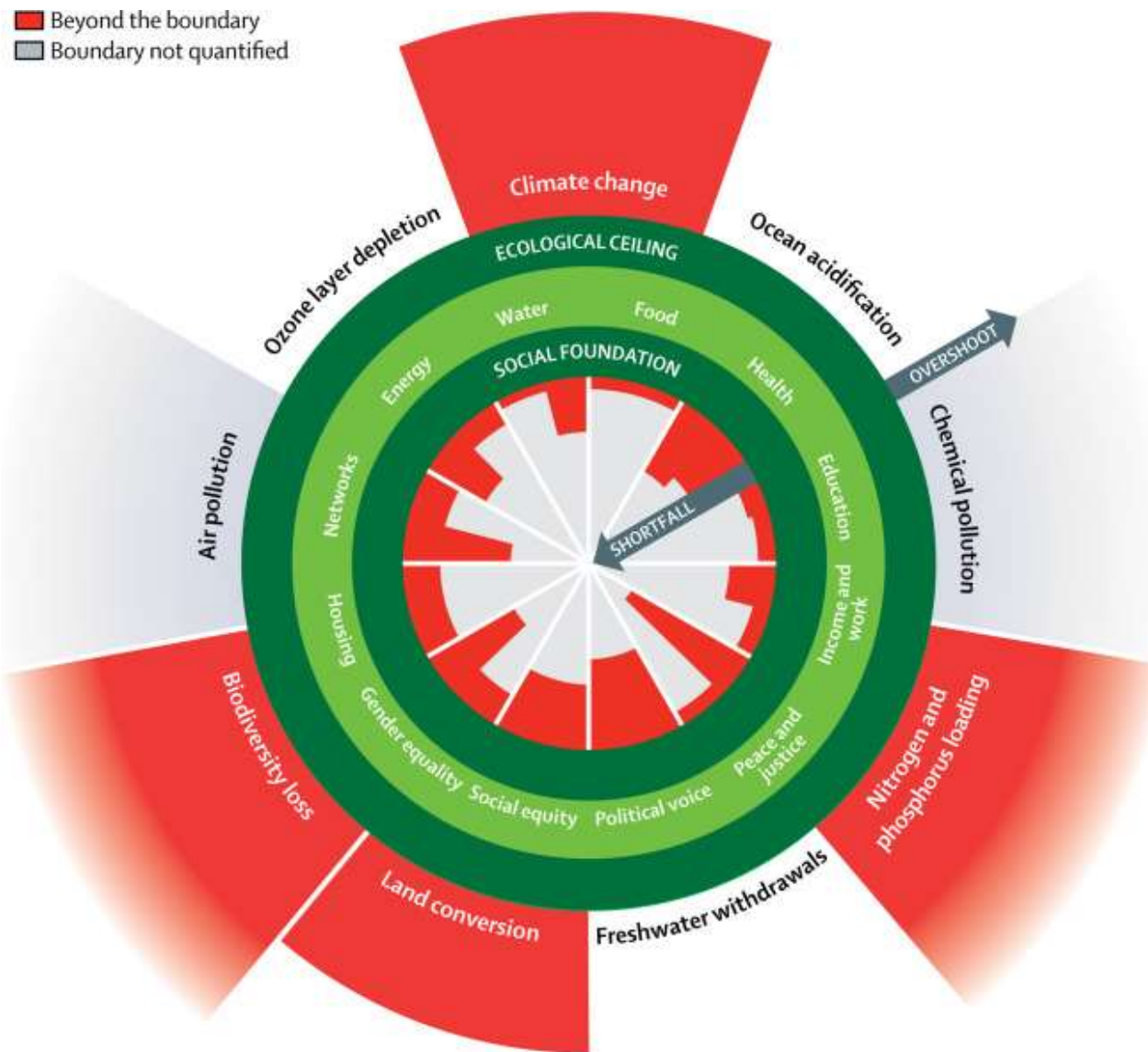
- Globally, agriculture accounts for ~12% anthropogenic GHG emissions (IPCC 2019)
- That figure excludes direct fossil fuel use in the food system
- Agricultural land can provide all the food (and fibre?) we need locally/nationally
- (Agricultural?) land can be a sink and not a source for GHGs

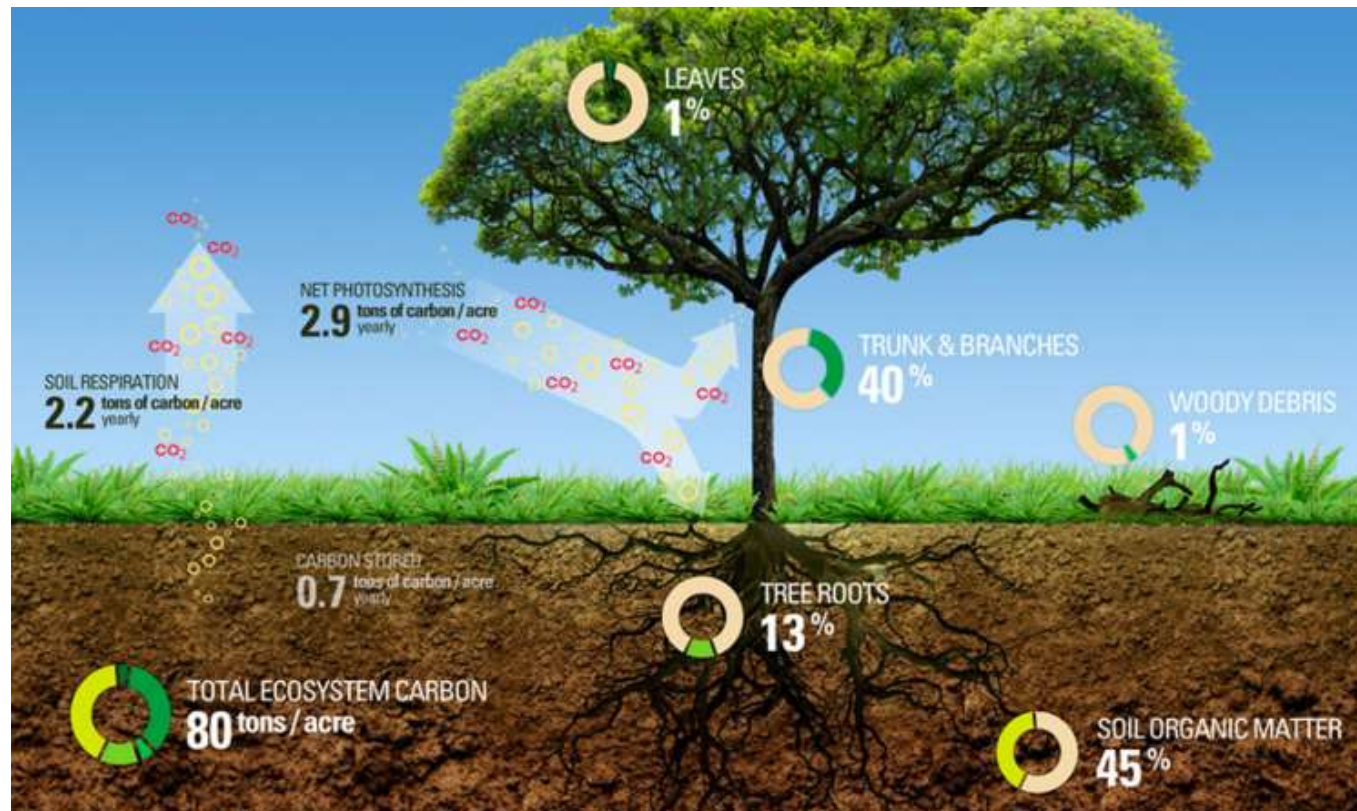
How can I buy low-carbon/low-impact food?



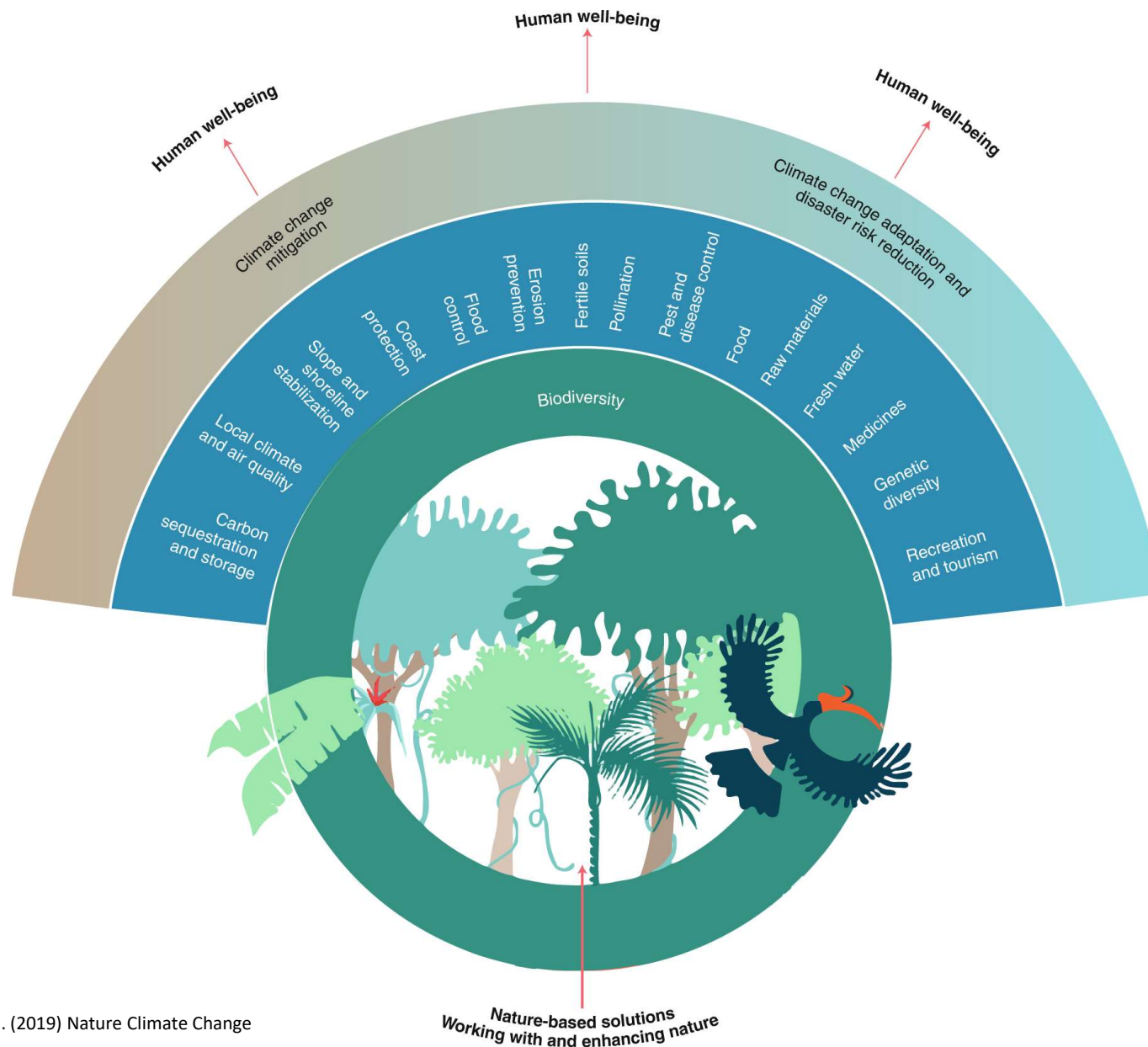
How can I help to build local autonomies from the global high-carbon economy?







Helping us mitigate (store carbon) and adapt (building resilience) to climate change



Seddon et al. (2019) Nature Climate Change

Towards a Land Use Framework?

Optimising land for...

Nature recovery

Food growing

Carbon storage

Development







Protect

Grow

Steward

Wild

What's in Frome's gift?

Invest

Consume

Procure

Group Discussions

1930 – 2000 Join a table

2000 – 2020 Join another group if you would like to

2020 – 2040 Join another group if you would like to

2045 – 2100 Feedback and next steps

Three themes:

- 1) How do we reduce the impact of the goods and services we buy?
- 2) How do we reduce the impact / concept of 'waste'?
- 3) How do we reduce the impact of food and land use?

Next steps

- Leave your name and an action
- December 5th: Rob Hopkins – Unleashing the Power of Imagination, 7pm, Cheese and Grain
- Jan: 18th Swap Shop, 10-12 Frome Town Hall
- Jan / Feb: Tree planting – 800 at Weylands, 500 at Birch Hill
- Feb: 6th Talking to family and friends about Climate Change – Nikki Jones, 7pm, Town Hall
- Feb: 15th Somerset Climate Summit (Shepton Mallet)
- Feb: 23rd Repair Café, Welshmill Hub, 3-5pm
- March: 3rd Mendip Climate Summit, 7-9pm Frome Town Hall
- Report drafted by January 22nd: www.frometowncouncil.gov.uk/climate-emergency
- afrancis@frometowncouncil.gov.uk