

The background is a solid teal color. In the top right corner, there is a vertical red rectangle. Scattered across the teal background are several semi-transparent circles of varying sizes and shades of teal, creating a layered, abstract effect.

Christian environmentalism

DAVID LAURENCE AND DANNY BONNETT

Danny Bonnett



Practical aspects - Topics

- ▶ Stuff (not shopping)
- ▶ Energy
- ▶ Transport
- ▶ Food
- ▶ Housing and Money

Stuff



TRAIDCRAFT
Fighting poverty through trade

- ▶ Fairtrade and Traidcraft
- ▶ Fairtrade bananas allow their growers to live a life where their children may be able to afford to go to school. Also the bananas are grown with care for the environment – one of the principles of Fairtrade.
- ▶ Fairphone – no conflict minerals in a Fairphone, a battery you can replace when it's old, and free source software allowing you to choose if when to upgrade/modify.
- ▶ Clothes from a charity shop are best – Oxfam gets my vote. Ethical Consumer is a great advisor, for most household items. Washing machines, computers, phones – they are all rated in: <http://www.ethicalconsumer.org/>
- ▶ Try a bring and swap event for clothes – can be great fun, and you can make an evening of it. Who needs Cribbs?
- ▶ Reduce/Reuse/Recycle



OXFAM



FAIRTRADE
FOUNDATION



The catwalk to ethical fashion

Simple or detailed scorecard ratings and Best Buys for 70 clothing brands - customised to your ethics.

How campaigning is making fashion more ethical: living wages, safer factories, toxic-free, cruelty-free and sustainable clothes.

[Read More](#) →



[clothes shops](#) →



[jeans](#) →



[waterproofs & insulated jackets](#) →

Latest Ethical Consumer Magazine - read online →



Issue 158 Jan/Feb 2016

Choose ethical fashion with our guides to Clothes Shops, Jeans and Waterproofs & Insulated Jackets. Plus the latest ethical & campaign news, boycotts.

[Read the latest issue as a digital flip-book](#) →

Not a subscriber? See an [example issue for free](#).

Day →

[Richest corporations fail on supply chain management](#) →

21 January 2016

Companies not doing enough to ensure worker safety and human rights despite soaring profits

Latest News →

[Review of 'The Town That Took on the Taxman'](#) →

Guest blog from the Fair Tax Mark highlights the need...

[Our next food-themed issue - have your say](#) →

Vote for the reports you would like to see

[Who pays the Living Wage where you live?](#) →

Guest blog from Emily Kenway of the Living Wage Foundation

[US church divests pension fund from](#) →


**PEOPLE
OVER CAPITAL**
The co-operative
alternative to
capitalism


Fair Tax Mark
Discover More



Ethical Consumer

Score table

More Detail →

Brand	Rating out of 20
Coventry BS current & savings account	12.5
Cumberland BS current & savings accou	12.5
Islamic Bank of Britain current & savings	11.5
Metro Bank current and savings account	11.5
Nationwide current & savings accounts	11.5
Norwich & Peterborough current & savin	11.5
Handelsbanken current & savings accou	10.5

Customise the scorecard ratings

+Environment:

+Animals:

+People:

+Politics:

+Product sustainability (+ve):

Click the + icon to expand categories

Save → To save your personal score settings and use them elsewhere around the site, please [Log In](#).

Co-op bank current & savings acco
Smile current & savings accounts
Bank of Ireland current & savings a
Post Office accounts
Citibank current & savings account
Bank of Scotland current & savings
Halifax current & savings accounts
Intelligent Finance current & savin
Lloyds Bank current & savings acc
TSB current accounts
Cahoot current & savings accounts
Santander current & savings accou
Danske Bank current & savings ac
Clydesdale Bank current & savin
Yorkshire Bank current & savings :

Score table

More Detail →

Brand	Rating out of 20
Fairphone smartphone	15
Doro PhoneEasy	8.5
Amplicomms mobile	7.6
Alcatel mobile phones	7.1
Huawei smartphone	6.9
Acer smartphones	6.5
Sony Xperia smartphone	6.3
HTC smartphones	5.5
LG mobile phone handsets	5.5
ZTE mobile phone	5.1
iPhone smartphone	5
Google Nexus smartphone	3.5
Blackberry smartphones	3.4
Motorola smartphones	2.9
Nokia mobile phones	1
Samsung mobile phones	0.5
Amazon Fire	0

Customise the scorecard ratings

+Environment:

+Animals:

+People:

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+Product sustainability (+ve):

Click the + icon to expand categories

Save → To save your personal score settings and use them elsewhere around the site, please [Log In](#).

- ▶ Help
- ▶ How the Sliders work
- ▶ Key to expanded Score table

Energy



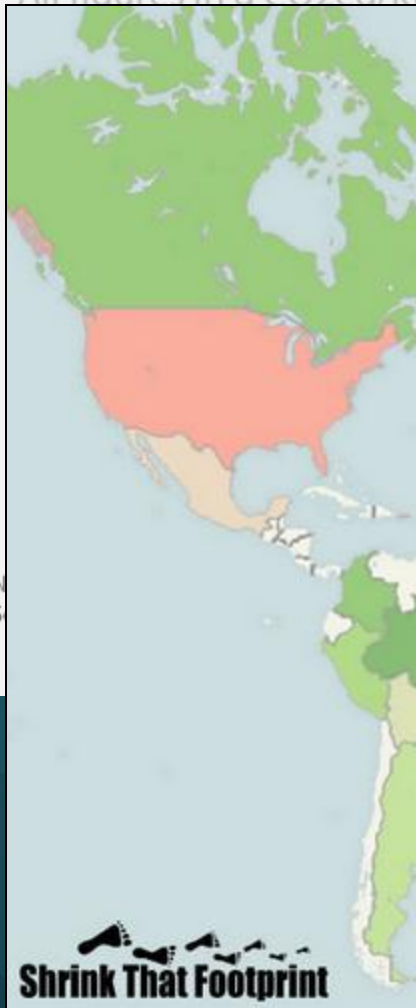
- ▶ Use less (pollution, opportunity cost, impact)
- ▶ Go renewable (Good Energy, Ecotricity or grow your own...)
- ▶ Think about the transition.....
- ▶ Solar panels pay back the energy used in manufacture in 5 years (of a minimum 20 year life).
- ▶ (Big) Wind turbines pay back the energy of manufacture in 3 months!
- ▶ ALSO – Divest!
- ▶ The Carbon Bubble is a real concern for pension funds and pensioners (current and future). Is your pension over-invested in oil companies?
- ▶ Try the Bristol Energy cooperative's latest share and bond issue:



Some facts....

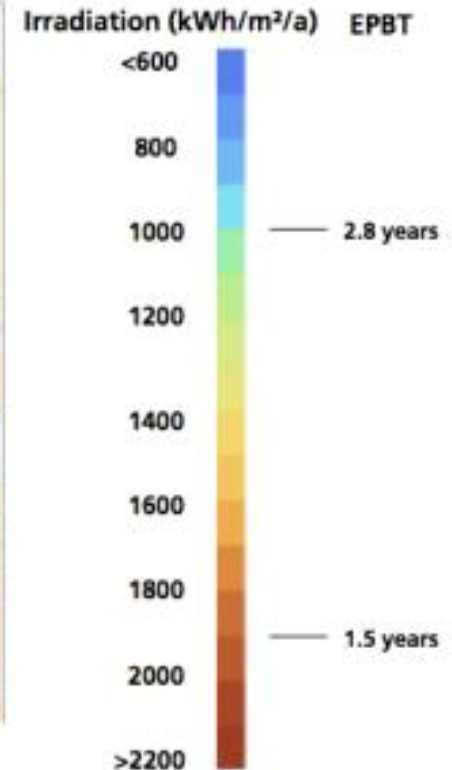
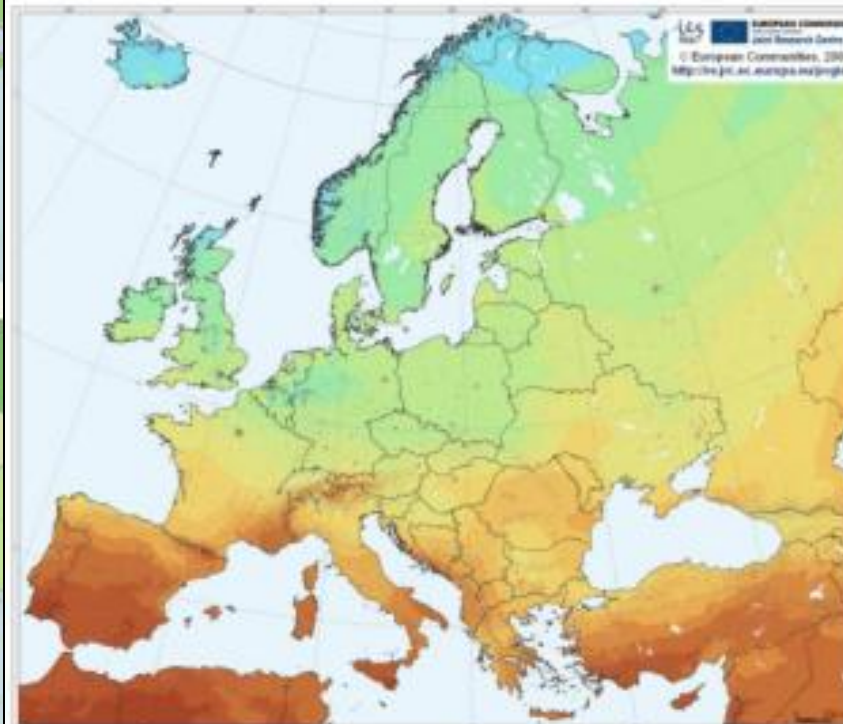
The Carbon Intensity of Electricity Generation

All figures in g CO₂eq/kWh



Shrink That Footprint

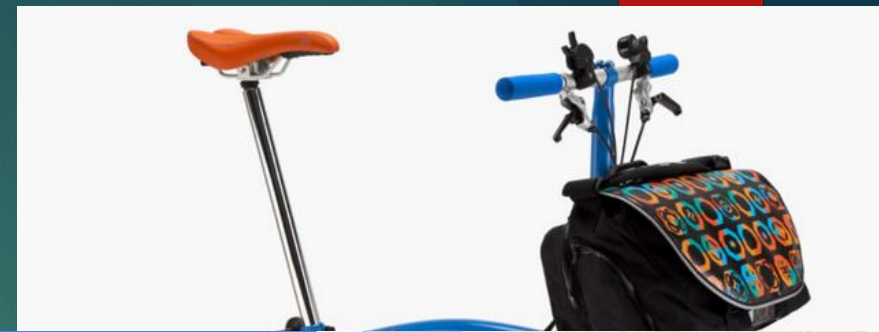
Energy Pay-Back Time of Multicrystalline Silicon PV Systems - Geographical Comparison



Data: Image provided by JRC European Commission. Graph: PSE AG 2012 (Modified scale with updated data from PSE AG and FraunhoferISE)

Transport

- ▶ Travel less
- ▶ Go by leg, bike
- ▶ Use a Brompton
- ▶ Electric bikes - up for it, but (rightly so) at Hill!
- ▶ Google does too:

A screenshot of the Google Maps interface showing cycling routes between Thornbury Baptist Church and Bristol Temple Meads. The interface includes a search bar, a list of route options with icons for different transport modes, and a map view showing the selected route in blue. The route options are as follows:

Route Description	Time	Distance
via A38	1 h 8 min	12.9 miles
via B4061 and A38	1 h 14 min	13.9 miles
via Old Gloucester Rd/B4427 ↑ 358 ft · ↓ 515 ft	1 h 17 min	14.6 miles

The map view shows the selected route (1 h 17 min, 14.6 miles) in blue, starting from Bristol Temple Meads and ending at Thornbury Baptist Church. The route passes through several locations including Stoke Gifford, Bradley Stoke, and Tockington. A small inset map shows the overall area with major roads like the M4, M5, and M48.

Isles of Scilly



- ▶ Go to local places (Like the Isles of Scilly, by train and ferry)
- ▶ Use this website:
<http://www.traveline.info/>
- ▶ Going to Europe? Try this:
http://www.bahn.de/p_en/view/index.shtml

A screenshot of the Traveline website. The page has a green header with the Traveline logo and navigation links: 'PLAN YOUR JOURNEY', 'ABOUT TRAVELINE', 'HELP', and 'CONTACT'. Below the header is a large image of a green landscape. Overlaid on the image is a white 'Plan Your Journey' form. The form has three input fields: 'From:', 'To:', and a date/time field. The date/time field is set to 'Sat Jan 23 2016' and '18:45'. There are two buttons at the bottom: 'More Options' and 'Let's Go'.

traveline

PLAN YOUR JOURNEY

ABOUT TRAVELINE

HELP

CONTACT

Plan Your Journey

From:

To:

Sat Jan 23 2016 18:45

More Options

Let's Go



npton

bromston.com

13.9 miles

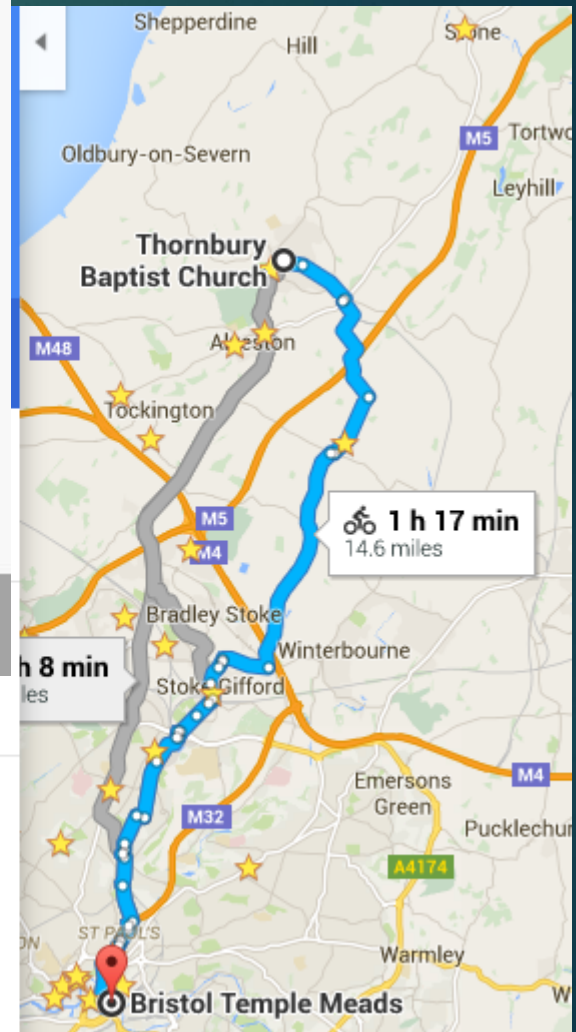


via Old Gloucester Rd/B4427

1 h 17 min

↑ 358 ft · ↓ 515 ft

14.6 miles



Food

- ▶ Eat less meat....and dairy
 - ▶ Eat 1 calorie of beef, this requires 15 calories of grain to provide
 - ▶ 1 calorie of lamb, 8 calories of grain
 - ▶ 1 calorie of chicken, 2 calories of grain
 - ▶ 1 calorie of grain, one calorie of grain
- ▶ Thornbury Organic Food cooperative (local and organic and cooperative, thru Judith and Bob Dale).

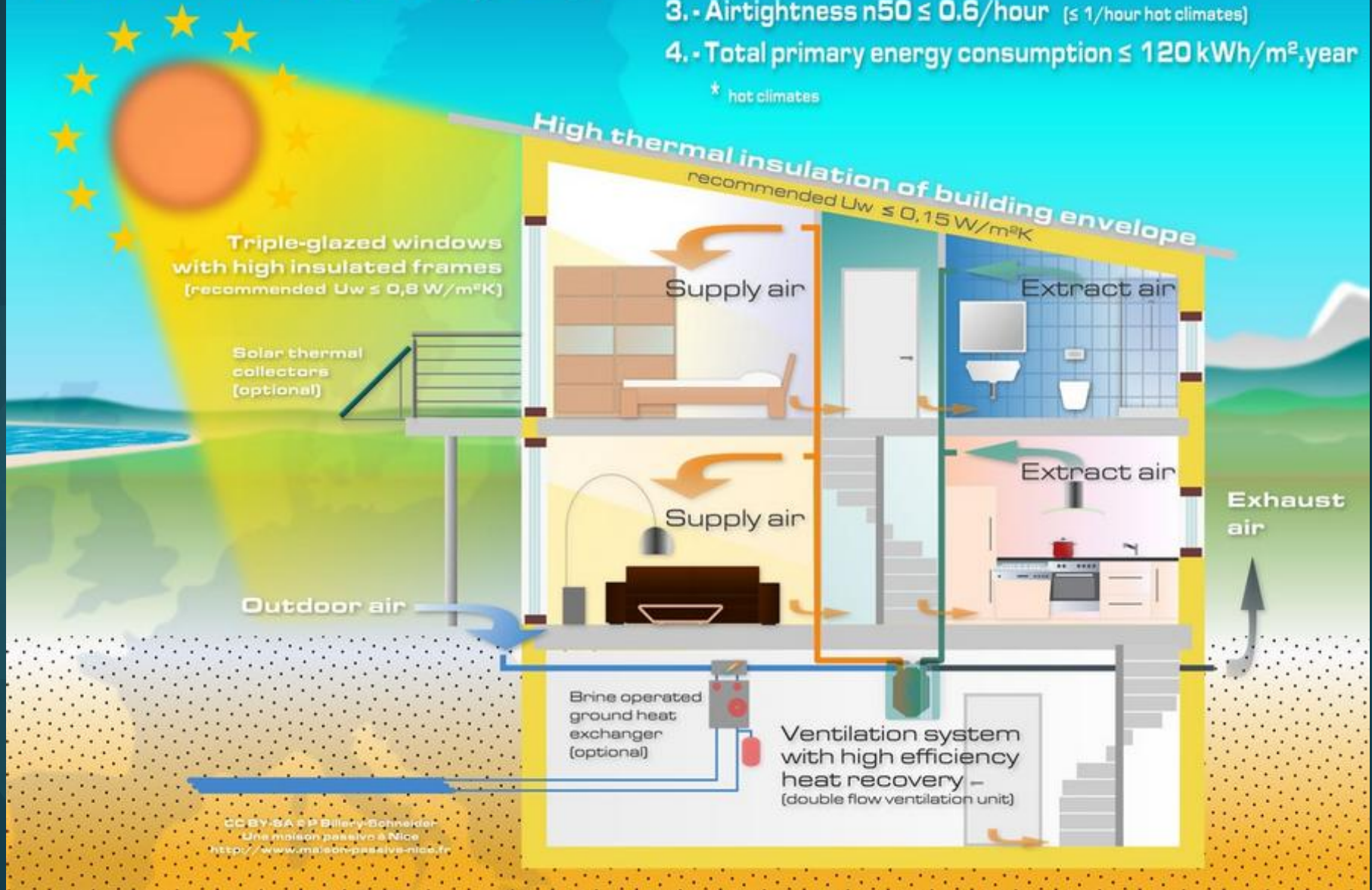


Passive house

The universal standard in very low energy buildings

1. - Annual heat requirement $\leq 15 \text{ kWh/m}^2 \cdot \text{year}$
2. - Annual active cooling needs* $\leq 15 \text{ kWh/m}^2 \cdot \text{year}$
3. - Airtightness $n_{50} \leq 0.6/\text{hour}$ ($\leq 1/\text{hour}$ hot climates)
4. - Total primary energy consumption $\leq 120 \text{ kWh/m}^2 \cdot \text{year}$

* hot climates



References

- ▶ Renewable Energy without the Hot Air – Prof David MacKay
- ▶ The Burning Question – Mike Berners Lee and Duncan Clark
- ▶ This Changes Everything – Naomi Klein
- ▶ Clean Slate Magazine from the Centre for Alternative Technology: <http://www.cat.org.uk/>