



CFF Carbon Calculator

www.cffcarboncalculator.org.uk

www.farmcarbontoolkit.org.uk



Farm Carbon Cutting Toolkit

Carbon is a global currency

“Wake up and smell the carbon...”

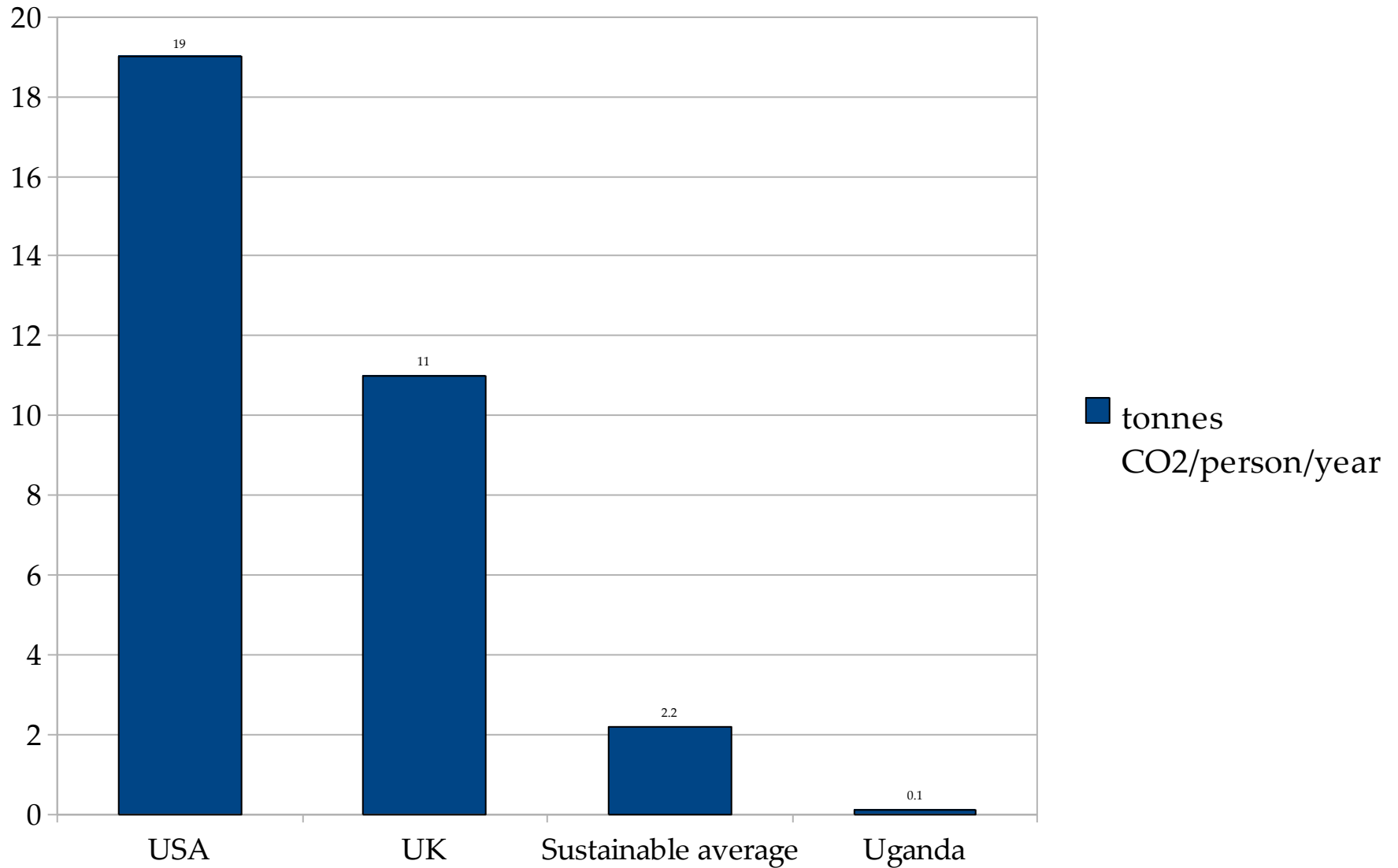


Carbon footprint



Personal carbon footprints

Put it in to perspective...



Why reduce carbon emissions?

- National and international targets
- Market drivers
- Morals
- Cost savings
- Yields & profits...?

Business carbon footprint

- Must be measured if want to reduce it
- Businesses don't “accumulate” carbon
- Pass on to customers

Business benefits in lowering carbon footprint

- Morals and public perception
- Morale of staff
- Market demand
- Profits

Measuring a farm's carbon footprint

Emissions: CO₂, N₂O, CH₄

- Fuels
 - Soil emissions
 - Fertility inputs
 - Livestock
 - Materials
 - Food distribution
- Waste

Sequestration: absorbing CO₂

- Biomass
- Soil carbon

Carbon balance

All expressed in kg CO₂e per year

How carbon calculators differ

- Scoping
- Usability
- Outputs
- Factors
- Other considerations



But farms are unique...why?

Carbon sequestration



Soil



Biomass

CFF Carbon Calculator

The CFF Organic Farmer and Grower's Carbon Calculator

NB: You are not logged in, or you have not yet created an account. Your results will be saved while your session lasts, but if you want to save them permanently, please [log in](#) or [register](#).

Introduction

Fuel

Materials

Fertility

Livestock

Distribution










Other

Sequestration

Results

▶ Introductory Information

Fuel Types

Item	Description	Annual Usage	Total CO2e (kg)
Gas Fuels	Propane	<input type="text"/> ? ltrs	<input type="text"/> 0 
	Butane	<input type="text"/> ? ltrs	<input type="text"/> 0 
	Natural Gas	<input type="text"/> kWh	<input type="text"/> 0 
	LPG	<input type="text"/> ltrs	<input type="text"/> 0 
Solid Fuels	Wood logs	<input type="text"/> kg	<input type="text"/> 0 
	Wood chip	<input type="text"/> kg	<input type="text"/> 0 
	Wood pellets	<input type="text"/> kg	<input type="text"/> 0 
	Coal	<input type="text"/> kg	<input type="text"/> 0 
Electricity	Non-renewable tariff	<input type="text"/> kWh	<input type="text"/> 0 

Today's exercise

Split in to groups of five, ensuring that at least one person in each group has 'real life' data to feed in to the spreadsheet, assisted by facilitator.

On the laptops provided enter data from a farm business to visualise:

- Where the main sources of emissions come from
- The relative size of each emissions source
- How important carbon sequestration is
- Explore the difficulties and issues surrounding carbon footprinting

Some further thoughts

- Accuracy is important
- Concentrate on the big emissions but don't lose sight of smaller ones too
- 'Low carbon' isn't answer to everything!
- Look at farms holistically
- Sequestration is positive all round!!



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