



Some of the available talks that I've created over the past few years to share information and clarify things on key areas we need to make decisions on. They are regularly updated to be topical.

References used to create the talks and further information for online learning material will be made available via email if wanted after each talk.

Please contact me for more info

Thanks

Gordon Coppock (Gordon.coppock@physics.org)

#### **A - Why Electric Vehicles Now ? (Confessions of a former petrol head)**

This talk covers the reasons why electric cars now make more sense than driving a fossil fuelled car for most purposes and includes information on the pollution and environmental and energy costs of producing electric cars and their batteries. Also covered will be the present charging situation, and a summary of some of the current s/h and new vehicles available (Gordon has converted several vehicles to Electric only propulsion, personally driven electric only powered vehicles for 10 years, lobbied hard for the Herefordshire charging infrastructure and nowadays advocates the use of s/h or new all electric vehicles) Approx 45 mins plus questions

**B – Your UK Energy Options** - an updated review of low carbon producing renewable energy options that actually work and ending on a focus on Community Energy and why they make excellent sense locally. (Gordon is a voluntary director of two Energy Co Ops and his former work at Wind and Sun and as a Physicist has been very involved with renewable energy ) Approx 50 mins plus questions

#### **C - Zero Carbon Britain -**

A review of [this](#) project, that has been well received since its creation by CAT and several universities. It shows how we can achieve a fine future using existing technology that is known to work and with minimal lifestyle change. It forms part of a worldwide group that are working towards similar goals, and is similar to [this The Solutions Project](#). (Having been working and training with the CAT centre over a several years Gordon rolled out a roadshow across Herefordshire and Shropshire on this combined with the excellent My2050 online model.) This is more of a workshop format with a break in the middle, approx 1.5 hrs with questions and interaction from the audience.

#### **D. People, plate and Planet**

This was created in order to present to the Herefordshire NFU and it was surprisingly well received! It condenses [this](#) 48 page report down to a presentation of about 30 minutes while trying to cover the big issues of UK land use, food security, CO2 generation from farming and land use, and our healthy food choices.

#### **E. We need to talk about Klimate**

An update on what research the present conclusions on climate change are based on. It includes references to Iceball Earths, Solar Cycles, when the CO2 level was 3 times what it is now, and many other areas that have caused confusion over recent years. (approx 45 mins plus questions)

**F - The importance of Trees and land use in the carbon cycle** (this is a short - 20 mins) and deals with the trees/grasses and the carbon cycle. Used as part of Herefordshire Tree week focus in the past.