



Happy January 2024

A. Some New Questions from our Schools Quiz 'Science in the Real World'

Visualising Carbon Dioxide Emissions

If I burn just 12g of carbon, how much carbon dioxide does it add to the air?

A cup full,
A washing up bowl full
Or quite a lot more?



Wikimedia



This is a clue

If I burn a tonne of carbon, how much carbon dioxide does it add to the air?

How many Double Decker Buses would it fill?



Image: Jude Mack / Unsplash



Tony does volunteer work at Crathes Castle in Aberdeenshire. He put out some peanuts and this bird arrived. What is it?

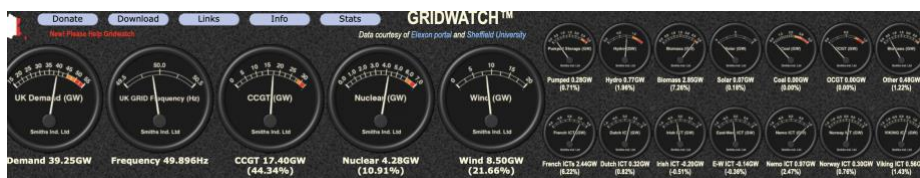
See More at <http://www.kkitech.com/ScienceQuiz.pdf>

The carbon dioxide calculations are part of updating our work on 'Unburnable carbon' see - <https://www.zyen.com/research/research/sustainability/carbon-burn-it-all/>

B. Coping with January Gloom

Don't be SAD – check when it will get lighter in the mornings at <http://www.timeanddate.com/worldclock/sunrise.html>

C. Our favourite UK electricity web-site now includes the Denmark Interconnector



It's called Viking – see <http://www.gridwatch.templar.co.uk/>

Answers to Quiz questions go here: <http://www.kkitech.com/HappyJanuary2024A.pdf>



D. Highlights of the Year

Kevin presented his and Z/Yen's work on 'Sovereign Sustainability-Linked Bonds' (SSLB's) at the Global Ethical Finance Initiative event in Edinburgh in September. This has led to some interesting discussions with the Scottish Government:



SSLB's are a new type of Government bond aimed at facilitating investment in green projects. Originally conceived by Z/Yen, the first government to issue them was Chile in late 2022. See <https://www.zyen.com/research/research/sustainability/policy-performance-bonds/>

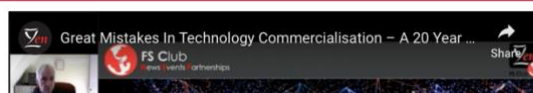
Kevin has been appointed 'Entrepreneur in Residence' at the Business School Incubator at Heriot-Watt University, working with a number of Greentech start-ups:



A retrospective look at our 2001 paper – are the lessons still relevant in 2023?

<https://www.zyen.com/events/all-events/great-mistakes-in-technology-commercialisation-a-20-year-retrospective/>

Great Mistakes In Technology Commercialisation – A 20 Year Retrospective Webinar



Last Question! This picture was taken at a Schools Science outreach day. There is a small sample of North Sea crude oil in a Perspex 'barrel'. How many of the other items on the table are ultimately made from crude oil?