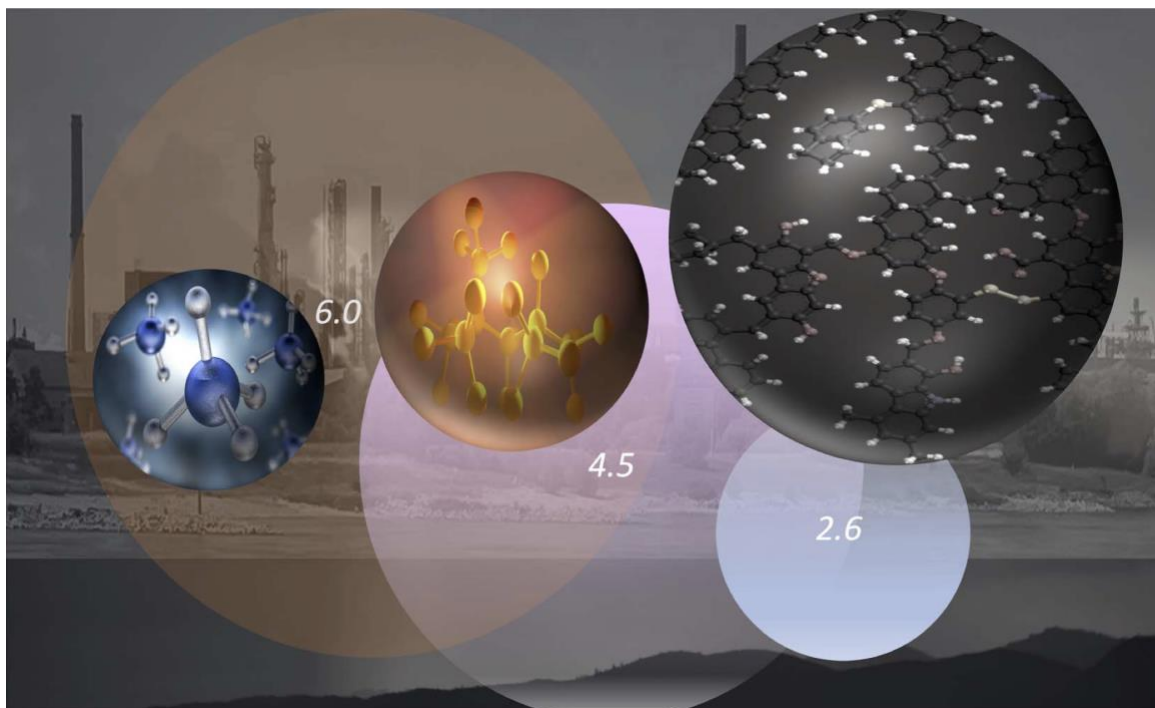




Happy January 2025

A. Our peer-reviewed paper on 'Unburnable Carbon' is published-

What happens if we 'burn all the carbon'? carbon reserves, carbon budgets, and policy options for governments. Co-authored with Prof. Michael Mainelli* (Z/Yen)
[What happens if we burn all the carbon?](#)



This figure is a semi-quantitative representation of the carbon dioxide potential of fossil fuel reserves. The blue, orange and black circles in the foreground indicate the relative sizes of CO₂ from gas, oil and coal, and are superimposed on translucent circles representing IPCC RCP2.6, 4.5, and 6.0 budgets. The oil circle alone is close to exceeding that of RCP2.6, especially when current new developments are taken into account. Existing reserves of all fossil fuels are sufficient to take the world towards the 3C warming of RCP6.0.

The carbon dioxide calculations are part of updating our work on 'Unburnable carbon' see - [Unburnable Carbon](#)

Some of the policy options suggested in the paper include

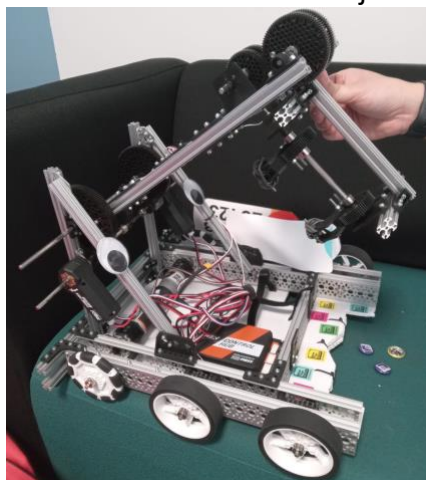
- Steer fossil fuel companies away from 'business as usual' practices
- Extend Carbon Pricing regimes
- Share technology, particularly anything that reduces coal fired electricity generation
- Britain was first country to 'Burn Carbon', shouldn't we be the first to stop?
- New financial instruments
 - Investors interested in Long term returns – e.g. pension funds
 - Government 'green performance bonds'
 - [Sovereign Sustainability-linked bonds](#)

** Michael became the first of 695 Lord Mayors of London to publish a peer-reviewed science paper during his term of office!*



B. STEM Outreach - Fascinating School Projects

SEN students at a nearby school in Edinburgh have won a national robotics competition – this robot can navigate past obstacles and retrieve objects from a maze!



C. Highlights of the Year

As part of his Entrepreneur in Residence work at Heriot-Watt University, Kevin has developed a series on 'future forecasting' undergrad lectures. We have shortened versions suitable for schools and other educational organisation.

UG Lecture Series: Things to Think about as you start University

Why are we here? What is University for?

I would be surprised if most of the following didn't happen...



The slides from the first lecture can be seen at <http://www.kkitech.com/EntMindsLecture1HW.pdf>

D. A Fond Farewell

This will be the last 'Happy January' Newsletter from KKI Associates, as after 32 years and over 500 commercial assignments, we will be focusing entirely on 'not for profit' and charitable activities such as outreach and mentoring. This is likely to include a new web platform, which we will inform people about on LinkedIn. Meanwhile, many thanks to everyone who has supported us along the way!



Kevin



Tony