



SPECIAL INTEREST DAY 5th MAY 2020

‘CLIMATE CHANGE AND SUSTAINABLE FUTURES’

MARLBOROUGH COLLEGE, BATH ROAD, MARLBOROUGH, WILTSHIRE, SN8 1PA

PROGRAMME

9:15 Coffee available in Ellis Theatre Foyer

09:30 Welcome, Memorial Hall

09:45 Climate Change – is it really real? Penny Tranter, Meteorological Office

Global ‘Climate Change’ has created global concern. In this presentation we will look at: the causes, projected impacts, possible steps for mitigation and the need for greater understanding of climate change and greater global awareness of the issue.

10:45 Coffee, Ellis Theatre Foyer

11:05 Fusion Power. Within our grasp? Robin Stafford Allen, formerly Culham Centre for Fusion Energy

The world energy issue will be covered and then I will move on to showing what nuclear fusion is (power generation free from CO₂ and nuclear waste) and how it is being researched using the machines in UK (JET) and the latest machine in France (ITER). I will endeavour to show the progress toward putting fusion generated electricity onto the grid within our lifetime.

12:05 Buffet Lunch, Adderley Room

13:30 The Circular Carbon Economy Professor Peter Edwards FRS, University of Oxford

Carbon will continue as a necessary component for our energy future – *but* – only with its continued use in a sustainable *and* circular manner. **Our Carbon Economy must therefore become a closed loop, Circular Carbon Economy.** The *Circular Carbon Economy* is the route to a world economy that is both restorative and regenerative.

14:30 Societal Perceptions of Climate Change and Support for Low Carbon Lifestyles Dr Katharine Steentjes, University of Cardiff

The challenge set out by international agreements, to keep global warming to below 2°C, will require drastic changes to our lifestyles. This talk will examine current shifts in public perception and look at what motivates behaviour change. The aim being to understand psychological barriers and motivations to embrace low carbon lifestyles on both individual and societal levels.

15 30 Closing Words; Tea, Ellis Theatre Foyer

16:00 Departure