

# FCA Virtual Environmental Summit



We've secured some of the leading experts and academics in the field of climate change who will each be delivering workshops at the FCA Virtual Environmental Summit.

Join us on Saturday 23rd October at 10am.

To secure your place please contact Stacey Watson:  
[Stacey.Watson@thefca.co.uk](mailto:Stacey.Watson@thefca.co.uk) / 0191 217 3640



**Dr Kola Mudashiru**

#### Bio:

Dr Kola Mudashiru is a Senior Manager at Durham University with strategic and operational responsibility for the Middle East and Africa. He has a strong background in geochemistry with distinguished track record of academic excellence. Dr Mudashiru's expertise is in international higher education (HE) and a strong advocate for the internationalisation of HE, accessibility, diversity, widening participation and equal opportunity.

#### Workshop:

##### Decarbonisation of Global Energy Systems

**Synopsis:** Decarbonising the energy system means replacing the fossil fuel energy sources currently being used (such as coal, oil/ petroleum, and natural gas) with energy sources that emit far less carbon dioxide (such as wind, solar, and nuclear energy). In this session, Dr Mudashiru will give an overview and running commentary/ global perspective on how decarbonisation is being achieved worldwide by increasing the share of low-carbon energy sources, particularly renewables, and a corresponding reduction in the use of fossil fuels.



**Thuli Montana**

#### Bio:

Thuli Montana is a Doctoral Candidate in the School of Government and International Affairs (SGIA) at Durham University. Her research focuses on water security and governance in Cape Town, South Africa, following the 2015 – 2018 water crisis. She holds a Master's degree in Environment and Development from the University of Leeds and a Bachelor's in Environmental and Water Science from the University of the Western Cape.

#### Workshop:

##### Can you imagine a world without water? Water Security for Future Generations

**Synopsis:** Water plays an important role in our everyday lives. People across the globe struggle to access water for drinking, cooking, bathing and growing their food. Today, 785 million people (1 in 9) lack access to safe water. Women and children in rural communities are most affected, as they are often responsible for collecting water for their families, leaving them with little time for work, school or to care for family. Climate change is worsening water availability resulting in droughts and this requires people and governments to value and use water responsibly. The importance of water in African cities and around the world will be discussed in this workshop. It will use the water crisis in Cape Town as an example of how droughts affect people's daily life, with a particular focus on water security for future generations (children and youth).



**Maria Blunsum**



**Bio:**

Maria Blunsum is a second-year undergraduate student studying Environmental Geoscience at Durham University. She is passionate about sustainable and eco-friendly living, alongside with understanding the effects of climate change and how we can limit the effects of it. Maria has lived in Kenya (East Africa) her whole life which had provided her the opportunity of travelling all over Kenya to further understand the natural environment and truly appreciate the benefits our ecosystems and biodiversity offer us.

**Workshop:**

**Is leading a 'Zero-waste' lifestyle the way forward?**

**Synopsis:** In this session, Maria will discuss the importance of sustainable living. Sustainable living is a lifestyle that attempts to reduce an individual's use of the Earth's natural resources and whilst in the most effective way. She will address whether 'zero-waste' living is possible and how making eco-friendly swaps in your daily activities can reduce your carbon footprint and in return reduce your consumption of natural resources.



**Jain Divya**



**Bio:**

Divya Jain is a 2nd-year GCRF-CDT PhD student at the Department of Physics, Durham University. Divya joined Durham University after finishing her undergraduate and master both degrees in Physics from India. Divya belongs to a tropical country, India. Her inspiration is all about studying nature & find innovative solutions that will be helpful for the betterment of social development without damaging the planet's ecosystem. Her current research project aims to develop various strategies for managing the significant volume of Solar PV panels waste when they reach their End-of-life, particularly in India.

**Workshop:**

**What is "Clean & Secure Energy"? When it comes to deal with Solar panel waste.**

**Synopsis:** In this session, Divya will discuss the problems associated with a source that generates solar energy. She will also address the importance of recycling in terms of waste management of solar panels. Indeed, we live in a world where finite resources are present, which implies there should be limited and proper consumption is needed for future sustainable development, how an individual's initiative is significant to prevent an ongoing climate crisis. All discussions will be based on simple and general understanding.



**Caitlin Turner-Marriner**



**Bio:**

Caitlin is a graduate from Newcastle university having recently graduated with a BSc in Environmental science and is currently undertaking a geography PGCE in the Northeast. She has a passion for the environment having been part of her university's environmental science society's committee.

**Workshop:**

**Climate change and the impact on crop management and genetically modified crops.**

**Synopsis:** With climate change weather is also changing. Extreme weather such as droughts and floods are becoming more and more frequent in different parts of the world. With this in mind the question arises of how can crops grow when weather occurs that they cannot cope with? This is where Genetically Modified crops come in to play. The DNA in these crops have been changed so that can grow in extreme environments, and this will hopefully reduce the risk of crop failure and a lack of food. But can we keep changing these crops so that they fit with the new environment or will there come a point where we can no longer do this, and we need to look at changing our behaviours so that crop failure does not occur.



**Neil Morris**



**Your Host:**

My name is Neil Morris and I am one of the Operations Directors with Foster Care Associates. I am proud to be a social worker, manager, husband, father, uncle and godfather. My family hail from the North East of England but I spent time in Africa as a child and I was also part of a fostering family. Over the last decade, I have become increasingly aware of my role as a global citizen. The future and health of our planet worries me and I want to be an agent of change. I want all the children that I live and work with to inherit a safe and happy planet and I feel empowered to be able to influence this. I really hope you enjoy our children's environmental summit.

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We will then send you the Microsoft Teams link to access the summit.