

The Grantham Annual Lecture 2022:

Wed 23 November 2022, 18:30

The ever-growing
climate movement:
Shaping climate change
narratives through culture,
creativity & innovation

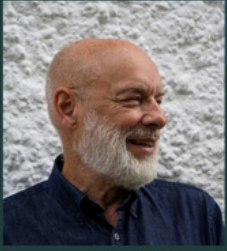
About

Climate change is one of the greatest threats facing culture today. Despite the power of the creative industries to explore uncertainty or inspire change, the cultural sector is largely absent from scientists', governments' and policymakers' discussions on climate change. Cultural solutions are not systematically integrated into the United Nations Framework Convention on Climate Change, the Paris Agreement, or IPCC Assessment Reports. However, it is stories and narratives, rather than raw information, that motivate or demotivate climate action. Creativity itself is essential for finding new solutions to environmental challenges and a great space exists for creatives themselves to step up.

Agenda

- 18:30 – Introduction by Professor Hugh Brady, President of Imperial College London**
- 18:35 – Introduction by Professor Sir Brian Hoskins, Chair of the Grantham Institute**
- 18:40 – Keynote speech by Brian Eno**
- 19:00 – Panel Discussion**
- 19:35 – Live Q&A with audience**
- 19:55 – Closing statement**
- 20:00 – Event Ends, networking at the innovation space.**
- 21:00 – Innovation space closes**

Speakers



Keynote address:

- Brian Eno, musician, producer, visual artist and activist



Panelists alongside Brian Eno:

Nilescha Chauvet, Managing Director, GOOD Agency



Jason deCaires Taylor, Sculptor and creator of the world's first underwater sculpture park



Carly McLachlan, Professor of Climate and Energy Policy, University of Manchester



Chair:

Baroness Lola Young of Hornsey OBE, actress, author, and Chancellor of the University of Nottingham

Audience Engagement

Please scan the QR code below or [visit the link](https://www.menti.com/al84u8dpzgg6) to answer a few questions about the event and give your feedback on the event after it ends: <https://www.menti.com/al84u8dpzgg6>



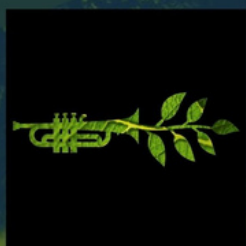
Q&A

Please scan the QR Code below or [visit the link](https://www.menti.com/alqrmx15n2) to add your questions to our speakers. You can also vote for your favourite questions.

<https://www.menti.com/alqrmx15n2>



The Innovation Hub



Music of the Earth by Imperial College London PhD Students: Mark Boyd, Mahika Dixit, Tanith Hackney, Josh Lanham, Shawn Lee, Neel Le Penru (Team Lead), Fangjun Peng, and composers: Jack Campbell (Royal College of Music- RCM), Alessandro Giovanetti (RCM), Xiao Jiang (RCM), Sam Loveless (RCM), Guillermo Pita (RCM), Anibal Vidal (RCM), Indira Zhanabayeva (Guildhall Guildhall School of Music & Drama).

Music of the Earth is a 4-movement mini-symphony and emotional appeal inspired by research about our beautiful planet and climate and environmental change at large. Featuring field recordings submitted by the public, the project's ambition is to sonically preserve aspects of nature, as well as bring people together around the crises confronting the Earth and how we can overcome them by returning to harmony with nature. The diverse team behind the project consists of 7 talented young composers from around the world and 9 Imperial College PhD students on the Grantham Institute's Science and Solutions for a Changing Planet Doctoral Training Partnership.

The Innovation Hub



Cambond by Prof Xiaobin Zhao PhD CChem FRSC, Founder & CEO & Dr Gareth Roberts Business Director, Co-founder

Resin chemistry holds the modern world together - literally. Construction materials, plastics, and composites are all bound by resins - oil-based chemicals generating 100's of millions of tonnes of CO2. Cambond has invented a plant-based resin made from brewery/bioethanol wastes. Cambond resins in construction products could save 4.5M Tonnes CO2 in the UK and supporting the drive for Net Zero Housing.



Agave Networks by Daniel Byrd - Agave Networks CEO & Emmanuel Byrd - Agave Networks CTO

Agave Networks helps manufacturing and construction businesses achieve net-zero waste by matching, relocating and tracking their excess materials with other organizations that could use them. Our easy-to-use platform utilizes machine learning and image recognition algorithms to generate digital passports from our manufacturers' excess materials, to later find businesses in the area that could reuse or repurpose them. We match excess materials with the optimal user considering waste hierarchy, shipping distances, costs and revenue, to maximize product value and minimize environmental impact.

The Innovation Hub



SHADE by Fatimah El-Rashid, Co-founder & CEO, Sille Eva Bertelsen, Co-founder & COO & Jenny Hu, Co-founder & CDO

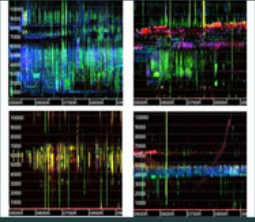
SHADE is a Chrome extension that integrates visual search into a user's online shopping journey so they can click on any image and find similar styles from sustainable fashion brands. It's a simple software solution that bridges the intention-action gap in consumer behaviour. SHADE not only diverts consumer attention to sustainable fashion but also their spending away from fast fashion. This ultimately reduces the climate impact of the industry and helps the wider society adapt to climate change.



Materra by Edward Brial, CEO & Edward Hill, CSO

Materra is a technology company reducing the fashion industries environmental impact, designing planet-positive solutions to enable the growing and sourcing of future-proof cotton. Cotton is the most used natural fibre in the fashion industry but has one of the largest environmental and social impacts at farm level.

Our technology spans across hardware and software, enabling smallholder farmers in India to reduce the environmental impact of growing cotton while enabling novel income opportunities to allow them to increase their profits.



Biodiverse/Earth by Dr. Jenna Lawson

Education and outreach are essential for solving the climate and biodiversity crisis, however, to truly make a difference, our scientific message has to be engaging and leave a lasting impression. Our immersive experience engages your auditory and visual senses to take you on a journey through the rainforests of Costa Rica, highlighting the sheer biodiversity that exists in these forests and what happens to biodiversity when these areas are lost.




SAGES

SAGES by Emily Taylor - Co-founder and Director & Alice Simpson - Co-founder and Technical Director

Synthetic dyes are toxic, carcinogenic, highly polluting and are responsible for 80% of the emissions caused by the fashion industry. SAGES makes natural textile dyes from food waste as a commercial alternative to the harmful synthetic dyes the fashion industry currently uses.

TeamRepair by Megan Hale - CEO, Anaïs Engelmann - CCO, Patrick D. McGuckian - COO, Oliver Colebourne - CTO & Oscar Jones - CPO



In the UK, 57.4 million tonnes of e-waste was produced last year. At Team Repair, we believe the best way to reduce this is through educating children - to instil a repair mindset within the next generation. Team Repair is a sustainable programme that teaches children science and technology by sending them electronic gadgets with carefully planned faults to fix, guided by our app. The gadgets are sourced from e-waste, and once they finish the repair, they send them back to us so we can reuse them the next month.

About the Grantham Institute

In 2007, the Grantham Foundation for the Protection of the Environment made the visionary decision to support an Institute at Imperial to provide a vital global centre of excellence for research and education on climate change. Today, the Grantham Institute is established as a leading authority on climate and environmental science.

The Grantham Institute is Imperial College London's hub for climate change and the environment, and one of Imperial's seven Global Institutes established to promote inter-disciplinary working and to meet some of the greatest challenges faced by society. We drive forward discovery, convert innovations into applications, train future leaders and communicate academic knowledge to businesses, industry and policymakers to help shape their decisions.

Check out our Action Hub
for inspiration on how you can
tackle the climate crisis



Read about art and influence, meet the new staff
in our academic powerhouse and the power of
culture and community, in 'Outlook 2021-22', the
Grantham Institute's annual magazine.



Watch Grantham Institute's former Annual
Lectures on our YouTube playlist

