

# GRIPS2023

COVENTRY BUILDING SOCIETY ARENA - 10-11 MAY 2023



GRIPS





# Organisers

**GRIPS**  
2023



Innovate UK  
KTN

## Innovate UK KTN

At Innovate UK KTN our mission is to connect ideas, people and communities to respond to these challenges and drive positive change through innovation. Our diverse connections span business, government, funders, research and the third sector.

We source and create powerful connections with potential partners, ensuring that the benefits of your new ideas are felt locally as well as nationally and globally.

We shape the innovation communities of the future. We actively build communities around emerging innovations and sectors to prepare markets for the global opportunities and challenges ahead.

We have expertise across a whole range of skill sets and disciplines. Our people are experienced collaborators who are set up to understand your innovation project and connect you to our network of business, academics, funders and opportunities.



UK CIRCULAR  
PLASTICS NETWORK

## UK Circular Plastics Network

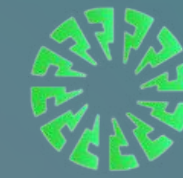
The UK Circular Plastics Network (UKCPN) aims to bring together the diverse users of plastic products and realise the best means for reducing plastic waste entering the environment through a programme of networking and knowledge-sharing events and related support activities.

The Network has created a coordinated, integrated and aligned community of stakeholders in order to share best practice, focused on unlocking the most critical, short term barriers to plastics circularity.

UKCPN facilitates the following: eliminating the volume of plastic waste arising from within the UK; raising awareness to improve the rate of UK plastic recycling; sharing best practice to reduce levels of confusion amongst citizens and highlighting user-centred design; showcasing innovation that is focused on reducing the amount of plastic ending up in the environment.

UKCPN is an activity supported by Innovate UK KTN & UK Research and Innovation, and is funded through the Smart Sustainable Plastic Packaging Challenge.

If you aren't already, please sign up to become a member of our network via the UKCPN website.



sustainable  
plastics live

## Sustainable Plastics Live

FPS Ltd is a UK & African-based events and communications business with a ground-breaking vision for business-to-business and business-to-consumer media and event solutions.

The company boasts a wealth of experience in the events sector with involvement in exhibitions and conferences in industries such as pharmaceutical, medical, healthcare & manufacturing.

Specifically, Sustainable Plastics Live/GRIPS brings together recycling professional and plastic processors from across the UK for two days of networking, knowledge-sharing, and innovation.

Sustainable Plastics Live/GRIPS conference will provide the opportunity for recycling & waste management companies, plastic processors, material suppliers, and local authorities to meet leading suppliers offering a full range of plastics recycling machinery, recycling equipment, and suppliers of reclaimed plastics, and additive suppliers.





**GRIPS** 2023





**Day One:**  
**Wednesday 10 May**



# OPENING PLENARY

## THE UK'S POSITION WITHIN THE WORLD VIEW OF PLASTICS

10th May | 09:30 - 11:00 | Coventry Building Society Arena



**David Shukman**  
**HOST**

Former BBC Science  
Editor. Speaker,  
moderator and  
consultant



**Michael Shaver**

Director of Sustainable  
Materials Innovation  
Hub



**Libby Peake**

Head of Resource  
Policy at Green Alliance



**Margaret Bates**

Managing Director at  
OPRL Ltd



**Sally Beken**

UK Plastics Network  
Lead at Innovate UK  
KTN

# GRIPS2023



# Day One: Wednesday 10th May

# GRIPS 2023

09:30

**OPENING PLENARY - The UK's position within the world view of plastics; hosted by David Shukman, speaker, writer, consultant - BBC Chief Science Editor and environmental journalist.**

The UK has been world-leading in sustainable innovation for plastics and is implementing legislation to make plastics more circular, but are we in danger of diverging from the world view or are we still leading the way?

Host: David Shukman, Science correspondent  
Michael Shaver, University of Manchester  
Libby Peake, Green Alliance  
Margaret Bates, OPRL  
Sally Beken, Innovate UK KTN

## UKCPN Theatre

## Smart Sustainable Plastics Packaging Theatre

## UKCPN Open Theatre

11:00 - BREAK

11:15

### Plastics sustainability: myth busting and the human factor

This session will cover what UK academics, and other stakeholders, are discovering about what people really think, and do, with regards to their plastic packaging and the implications for policy and packaging design.

Co-chairs: Sara Banning, Innovate UK and Rachel Gray, WRAP

- Linda Hendry, Lancaster University
- Harriet Baird, University of Sheffield
- Linda Hendry, University of Lancaster
- Mark Miodownik, University College London
- Helen Holmes, University of Manchester
- Elliot Woolley, Loughborough University
- Kevin Vyse, ProAmPac

### Pushing the boundaries: game changing innovation, UKRI

From edible film to AI-powered sorting, and from large scale reuse and refill to the latest developments in chemical recycling, find out more about how UKRI's Smart Sustainable Plastic Packaging Challenge is driving innovation.

Chair: Paul Davidson, Smart Sustainable Plastics Packaging (SSPP)

- Stuart Chidley, Beauty Kitchen
- Margaret Bates, OPRL
- Pierre Paslier, Notpla
- Libby Peake, Green Alliance

### Sustainable Plastics in healthcare

There is a drive for more sustainable use of plastics in the healthcare sector - from PPE, blister packs through to metered dose inhalers and to end of life waste treatment. This session will showcase some current innovations in this sector.

Chair: Matt Chapman, Innovate UK KTN

- Olivia Simpson, SymbioTex
- Dean Ezekiel, HelloFace
- Tom Dawson, Revolution-ZERO
- Richard Shaw, PD-M

12:25 - LUNCH



# Day One: Wednesday 10 May

# GRIPS 2023

13:10

## Upcycling or Downcycling: which is better?

Product lifetimes and polymers differ between sectors. This session showcases some innovations in building products that utilise end of waste from packaging and considers what's best for second life polymers.

Chair: Mike Moseley, Innovate UK KTN

- Katherine Adams, ASPB
- Rebecca Colley-Jones, WasteAid
- Han Fang, Leeds University

## Films & Flexibles: replace, recycle, reformulate

Films and flexibles continue to be seen as a particular challenge in the drive to reduce plastic packaging waste and increase recycling. This session explores the cutting edge innovations that could change the future for this important packaging format.

Chair: Geraldine Mateu, Innovate UK

- David Walsh, Impact Recycling
- Rob Elias, Bangor University
- Simon Waddington, Interface Polymers
- James Ravenscroft, Xampla

## Microplastics detection and consequences for the environment, ecosystems and human health

Microplastics are a complex and widespread pollutant of growing global concern. This session will cover the state of the knowledge alongside current recommendations, considerations and challenges for the study of microplastics both in the environment and within human tissues. The session will also discuss their risk to ecosystems and human health.

Chair: Alice Horton, National Oceanography Centre

- Jeanette Rotchell, Hull University
- Paul Walker, SOCOTEC
- Richard Lampitt, National Oceanography Centre
- Joseph Levermore, Imperial College London

14:20 - BREAK

14:35

## The road to textiles sustainability

More than 50% of fabrics are fossil polymer based. This session will showcase innovations in sorting and collection to allow for high quality recycle.

Chair: Steve Morris, Innovate UK KTN

- Martin Holicky, Matoha
- Cyndi Rhoades, WornAgain
- Caroline Hemingray, University of Leeds
- John Twitchen, Stuff for Life

## Tracking and tracing: the importance of data in making packaging more sustainable

Innovation in low cost, high accuracy identification, sorting and tracking of plastic packaging is set to overcome one of the key barriers to increased plastics recycling and reuse.

Chair: Gavin Lewis, Innovate UK

- Josh Young, Pragmatic
- Kimberley McCann, Reath
- Isabelle Beltrao, RecycleEye

## Infrastructure and plastic material flow: the future

This session begins to shed some light on large scale geographical polymer material flow, and novel approaches to enable manufacturers and users alike to make decisions on future materials.

Chair: Sally Beken, Innovate UK KTN

- Steve Morgan, RECOUP
- David Greenfield, SOENECS
- Tony Ryan, University of Sheffield

15:45 - BREAK



# Day One: Wednesday 10 May

# GRIPS 2023

16:00

## Measuring, Monitoring & Mitigating Fugitive Plastic

GRIPS 2023 revisits this important theme, showcasing some of the Research and Innovation for cross sector solutions, and companies with novel approaches to mitigating fugitive plastic.

Chair: Richard Cooper, Innovate UK KTN

- James Doherty, Plastic-i
- David Landsberg, LitterLotto
- Alex Dilnot-Smith, Ellipsis Earth
- Sophie Walker, Dsposal

## Food-grade recycling: the final frontier?

Demand for food-grade recycled plastic is growing but what needs to happen to meet this demand? This session looks at some of the latest breakthroughs in recycling and how regulatory and legislative frameworks can enable greater uptake.

Chair: Nick Cliffe, Innovate UK

- Ed Kosior, Nextek
- Paddy Duggan, WRAP
- Mark Roberts, Berry Global
- Fraser Graham, Novolex

## Standards: what's on the horizon?

What are the new standards that relate to sustainability of polymers?

Chair: Tony Ryan, University of Sheffield

- Rachael Rothman, University of Sheffield
- Joanna Griffiths, BSI
- Thomas Bennett, University of Manchester
- Tom McDonald, University of Manchester



The background is a dense, textured field of small, 3D-rendered spheres in various shades of teal and light blue. In the center, there is a faint, circular graphic composed of many small, overlapping circles, creating a subtle mandala-like pattern. Overlaid on this central graphic is the text "Day Two:" and "Thursday 11th May" in a clean, white, sans-serif font.

**Day Two:**  
**Thursday 11th May**



# Day Two: Thursday 11th May

# GRIPS 2023

09:30

**Global Plastics Treaty - An update on the Internationally legally binding UN agreement**

**Chair: Adam Read, Director of External Affairs, Suez**

- Steve Fletcher, University of Portsmouth
- Ed Shepherd, Unilever
- Adam Read, Suez

## UKCPN Theatre

11:00

### **Fishing gear: polymers, pitfalls and potential solutions**

Scale, impact, interventions and innovations regarding end of life of fishing gear. Recycling, EPR & biodegradable alternatives.

**Chair: Denise Goldsmith, Innovate UK KTN**

- Katie Powell, Resource Futures
- Holly Nel, CEFAS
- Amanda Burton, Resource Futures
- Catherine Barrett, BIM (Bord Iascaigh Mhara - Ireland's Seafood Development Agency)

## Smart Sustainable Plastics Packaging Theatre

### **Chemical Recycling: Making it real; making it work for the environment**

As innovation and investment in plastics-to-plastics chemical recycling ramps up, how can we ensure we use this technology where it is environmentally beneficial and then maximise the environmental benefit it can offer?

**Chair: Paul Davidson, Innovate UK**

- Paula Chin, WWF
- Geoff Mackey, Plastics Europe
- Abi Mountain, Itero Technologies
- Stuart Coles, Warwick University

## UKCPN Open Theatre

### **Polymer processing towards Net Zero. Is it credible? Can we achieve it?**

Whats the current carbon footprint of the polymer industry and what can we do to lower it?

**Chair: Neil Witten, Innovate UK**

- Johannes Hinterdorfer, Engel
- Dan Jarvis, Plastiribution
- Robin Kent, Tangram
- Lara Steinhobel, British Plastics Federation

12:10 - LUNCH



# Day Two: Thursday 11th May

# GRIPS 2023

13:00

## Design for Circularity

Designing for end of life is paramount in all polymer processes, this session showcases tools, practices and examples of how to make a sustainably designed product.

Chair: Paul East, RECOUP

- Nicole Agba, Innovate UK KTN
- Ben Patten, Dizzie
- Hadi Ahmadzadeh, Ecodisco
- Sophie Walker, Dsposal
- Brian Lodge, British Plastics Federation
- Luke Williams, IDC

## The role of compostability in achieving the UK Plastics Pact targets

If the UK wholeheartedly embraced composting for garden, food and packaging waste what would we need to do?

Chair: Nick Cliffe, Innovate UK

- Mark Miodownik, University College London
- Jane Gilbert, Carbon Clarity
- Tomos Davies, Tipa
- Lucy Hughes, Marinatex
- Simon Girdlestone, Solinatra

## GRIPS Most Innovative and Investor Session

This session will highlight GRIPS Most Innovative projects and talk with investors regarding their strategy in order for companies to attract sustainable investment.

The session will include the winner of GRIPS Most Innovative showcasing their idea. Expect to see presentations from many of the following organisations: Litterlotto, Cambond, Circular11, Gumipod, Flexsea, Dsposal, Polytag, Marinatex, Pinweld, Roll Materials, Pitched For You, TrimTabs, Suscons, NuGreen, Top Up Truck, Packamamma, Dizzie and more.

14:10 - BREAK

14:25

## The Fast and Furious Session

Fast paced session of some of the great work happening in our academic institutions.

Chair: Amy Peace, Innovate UK

- Goran Stojanovski, UCL
- Nutch Taneeapanichskul, UCL
- Roya Ashayer-Soltani, QinetiQ
- Clare Mumford, University of Lancaster
- Rorie Parsons, University of Sheffield
- Natalia Wolfe, CPI
- Danielle Purkiss, UCL
- Ghadafi Razak, University of Lancaster
- Ayse Allison, UCL
- Meghann Matthews, University of Sheffield
- Jack Pickering, University of Sheffield
- Sarah Greenwood, University of Sheffield
- Amaya Gema Santos, UCL

## Delivering reusable and refillable packaging at scale

Momentum is building to move reuse and refill into the mainstream. This session explores how collaborative 'whole system' thinking, large-scale trials and behavioural research are providing insights and evidence to build the business case.

Chair: Gavin Lewis, Innovate UK

- Rob Spencer, Unpackaged
- Katherine Fleet, RECOUP
- Stuart Chidley, Beauty Kitchen
- Jane Martin, City to Sea
- Anna Pitt, WRAP

14:00 - GRIPS Most Innovative Winner Announcement

## 14:25 - Plastics: wrapping up your investment deal

Chair: Emma Fadlon, Innovate UK KTN

- Shiemma Ahmed, Innovate UK KTN
- Justin Guest, AEI Finance
- Jason Teng, Potter Clarkson,
- Shruti Iyengar, Future Planet
- Sophie Thomas, etsaW



## Exhibitors

3DGBIRE  
Advent 3D Ltd  
Algreen  
British Plastics Federation  
Davis-Standard Ltd  
ECUPS LIMITED  
ENGEL UK  
FARUK International Ltd  
FlexSea  
GRAVUTEX ESCHMANN LTD  
Great Central Plastics Ltd  
GRIPS Most Innovative  
HB Therm  
Helloface  
HI-TECH AUTOMATION LTD  
Innovate UK KTN  
Innovation Advantage Ltd  
Innovation Centre for Applied Sustainable Technologies  
(iCAST)  
Intouch Monitoring  
KUKA Systems Ltd  
Laser Lines Ltd  
LitterLotto  
LXD UK Ltd  
M&I Materials Ltd  
MAGOG  
MarinaTex  
MasterFlow UK Limited  
Moulders Consulting Ltd

Oxford Indices  
PCN  
Pi Polymer Recycling Ltd  
PLANTSEA  
Plastech Solutions Ltd  
Plastics Live  
PlastikCity Ltd  
Polymer Compounders Ltd  
Potter Clarkson  
PREA Ltd  
PS Partners & Consultancy Ltd  
Rapid Colour Services Limited  
RECOUP  
Responsible Plastic Management Program Ltd  
ReVentas  
Revolution Plastics  
Ship Global Logistics  
Sierra 57 Consult  
Solinatra  
Sustainable Materials Innovation Hub  
SymbioTex  
TEX Plastics  
ThingTrax  
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Uvox Ltd  
Veribli  
WasteAid





## Sponsors



# GRIPS 2023



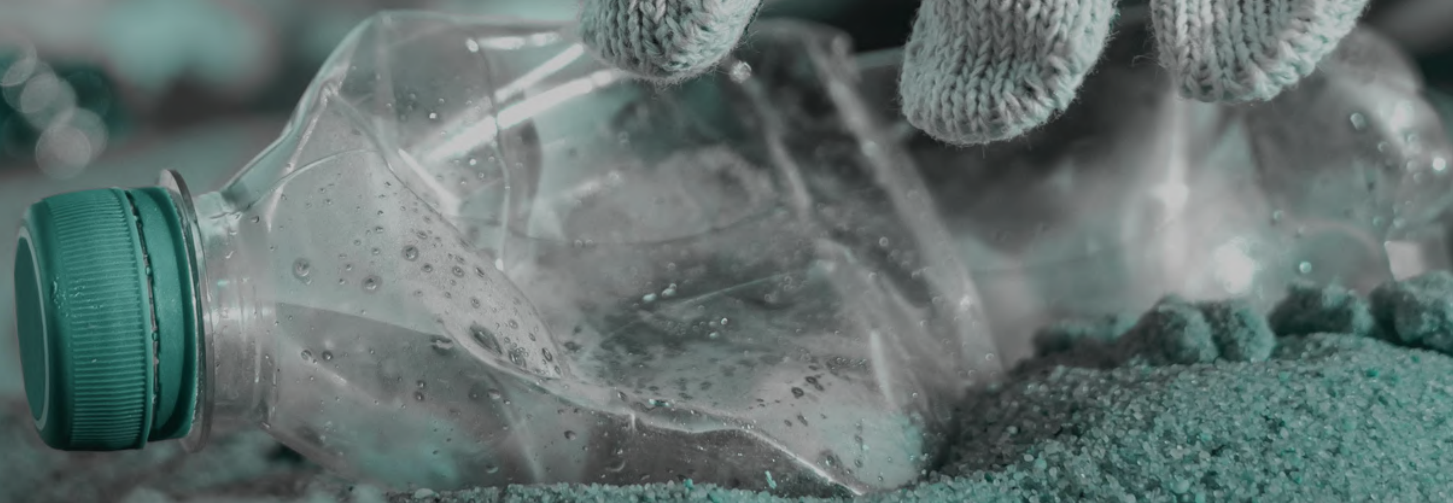






# GRIPS

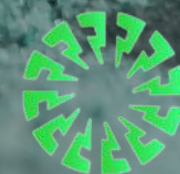
## 2023



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sustainable  
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