GRIPS2023

COVENTRY BUILDING SOCIETY ARENA - 10-11 MAY 2023

plastics live
Know the power of plastics

sustainable plastics live

amplas

industry 4.0 in plastics

GRIPS

UKRI Innovate UK KTN

UKRI UK Research and Innovation

UK CIRCULAR PLASTICS NETWORK

Organisers

GRIPS 2023

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

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

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

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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

11:00 - BREAK

UKCPN Theatre

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

12:25 - LUNCH

Smart Sustainable Plastics Packaging Theatre

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

UKCPN Open Theatre

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

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 recyclate.

Chair: Steve Morris, Innovate UK KTN

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

15:45 - BREAK

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

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

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)

12:10 - LUNCH

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

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.

14:00 - GRIPS Most Innovative Winner Announcement

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
- Nutcha Taneepanichskul, 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

14:25 - 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

GRIPS 2023

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
Ulster Shredders
Unbound Energy
UPM CONVEYORS LTD
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Veribli
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Potter Clarkson

MAGOG

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POLYMER COMPOUNDERS LIMITED

LXD
LIMEX Plastic & Paper Alternatives

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SOLINATRA

KUKA

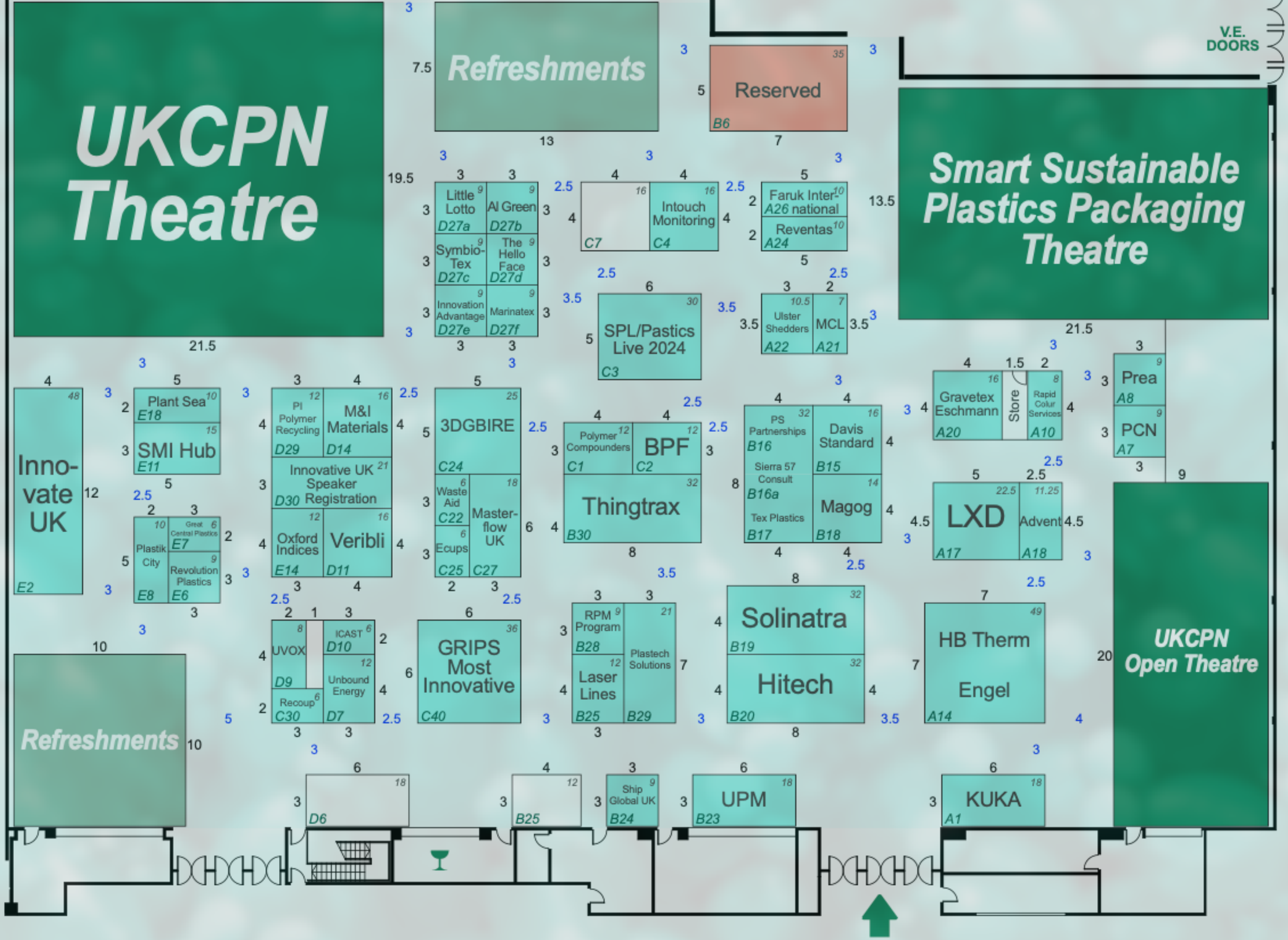
3DGBIRE

RECOUP

thingtrax

PERFORMANCE BIOLUBRICANTS

Floor plan


UKCPN Theatre
Refreshments
Reserved
B6
V.E. DOORS
FIRE EXIT
Smart Sustainable Plastics Packaging Theatre
Little Lotto D27a
Al Green D27b
Symbio-Tex D27c
The Hello Face D27d
Innovation Advantage D27e
Marinatex D27f
C7
Intouch Monitoring C4
Faruk Inter- A26 national
Reventas A24
SPL/Pastics Live 2024 C3
Ulster Shedders A22
MCL A21
Inno-vate UK E2
Plant Sea E18
SMI Hub E11
Plastik City E8
Great Central Plastics E7
Revolution Plastics E6
PI Polymer Recycling D29
M&I Materials D14
Innovative UK Speaker D30 Registration
Oxford Indices E14
Veribli D11
3DGBIRE C24
Waste Aid C22
Ecups C25
Master-flow UK C27
Polymer Compounders C1
BPF C2
Thingtrax B30
PS Partnerships B16
Sierra 57 Consult B16a
Tex Plastics B17
Davis Standard B15
Magog B18
Gravetex Eschmann A20
Store
Rapid Colur Services A10
Prea A8
PCN A7
LXD A17
Advent A18
UVOX D9
ICAST D10
Unbound Energy D7
Recoup C30
GRIPS Most Innovative C40
RPM Program B28
Laser Lines B25
Plastech Solutions B29
Solinatra B19
Hitech B20
HB Therm
Engel A14
UKCPN Open Theatre
Refreshments
D6
B25
Ship Global UK B24
UPM B23
KUKA A1
MAIN ENTRANCE

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