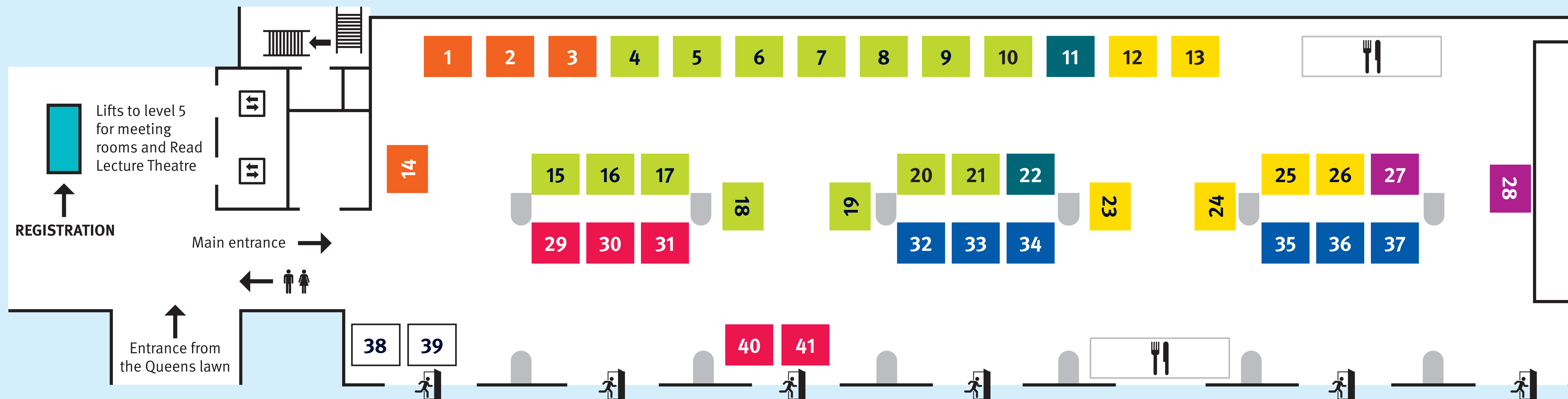


Floorplan Day 1: Sustainability



ZONE 1 – SOCIAL ENTERPRISE

- 1** Cambridge – The Cambridge Centre for Resilience and Sustainable Development
- 2** UCL – EDRAF
- 3** UCL – Ground X
- 14** Cambridge – The Cambridge Centre for Natural Material Innovation

KEY

- Lift
- Fire exit
- Toilets
- Stairs
- Catering

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Intellectual Property

MEDETECH
TO MARKET

ZONE 2 – ENERGY AND FUELS

- 4** Oxford – OxReGen: rotary renewable generation
- 5** Imperial – Enhanced Light Extraction from Light Emitting Diodes Utilizing a Nanoparticle Meta Grid
- 6** Cambridge – Single-Vessel Green Ammonia Production
- 7** Imperial – Low power nanomagnet storage and computing
- 8** Cambridge – H2Upgrade: Hydrogen from industrial waste
- 9** Oxford – Carbon dioxide conversion to biofuels by rhodopsin photosynthesis
- 10** UCL – Carbon Recycling Technology (CART) – Plastic to Fuel
- 15** Oxford – Electrochemical production of hydrogen
- 16** Oxford – Solar powered hydrogen production
- 17** Oxford – Solar powered ammonia – efficient & sustainable synthesis
- 18** Imperial – Organometallic-functionalized interfaces for solar cells
- 19** Oxford – Small scale energy harvesters – power from motion
- 20** UCL – Re-usable and self-poled piezoelectric nanocomposite films with exceptional energy harvesting and water remediation capability
- 21** Imperial – IonMembrane Technologies: Next-generation ion exchange membranes for energy applications

ZONE 3 – VERSATILE NEW TECHNOLOGIES

- 11** Cambridge – Electronic nose
- 22** UCL – Ultrasound and Acoustic Emission Techniques

ZONE 4 – WASTE REDUCTION

- 12** UCL – NH3 Slip Catalysis
- 13** UCL – Upcycling Waste PTFE to Metal Halides
- 23** Imperial – PET plastic upcycling into clean H2 and valuable chemicals
- 24** Cambridge – Upcycling Waste Plastics with Sunlight
- 25** Imperial – Self-disinfecting appliances
- 26** Oxford – Upcycling waste plastics into high-value fuels

ZONE 5 – CONSTRUCTION

- 27** Imperial – Seratech – an Imperial spinout company: manufactured cementitious materials for sustainable, net-zero infrastructure
- 28** Imperial – High-strength anticlogging permeable concrete pavement

ZONE 6 – MATERIALS

- 29** Imperial – Method for lignin-based carbon fibre production
- 30** UCL – Cyanobacteria Engineered Living Material
- 31** Cambridge – Charged materials for CO2 capture
- 40** Cambridge – Phase engineering of 2D materials
- 41** Imperial – DyeRecycle – an Imperial spinout company: giving dyes and colours a second chance using green chemistry

ZONE 7 – BATTERIES

- 32** Cambridge – Mixed oxide coatings on NMC Li-ion batteries
- 33** Oxford – Advanced fluoride-based materials in lithium-ion batteries
- 34** Cambridge – High energy density lithium-sulfur batteries
- 35** Oxford – Sprayed graded electrodes for battery design and optimisation
- 36** UCL – Scalable, solution processed solid electrolyte film for advanced batteries
- 37** Oxford – Machine learning to better predict battery health

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39 Meet the TTOs