

10.00 **Arrival and registration**  
10.00 - 11.00 **Trade session, including tea and coffee**

**CONFERENCE OPENING AND KEYNOTES**

11.00 - 11.30 **KEY01:** Developing 'Plan A' with Marks & Spencer  
*Mike Barry, mikebarryeco*

11.30 - 12.00 **KEY02:** Diageo, Global Head of Sustainability – an update  
*Kristin Hughes, Diageo*

12.00 - 12.30 **PANEL 01:** Creating the renewable brewery of the future  
*Mike Barry, Kristin Hughes and Steve Wilkinson (Chair)*

13.00 - 13.00 **WORKING LUNCH:** Sponsored Workshop 01 - A hop oil demo / beer tasting and some sustainability data on improving environmental performance by using hop products. *TNS*

**BREWING ENERGY**

13.30 - 14.00 **TS01:** Maximum solar power for sustainable brewing  
*Tim Roebuck, Altrato*

14.00 - 14.30 **TS02:** Steineker Brewnomic: The brewing power station  
*Alex Hinds, Kronos*

14.30 - 15.00 **TS03:** The journey to net zero in production  
*Jonathan Redmond, Heineken UK*

**BARLEY AND MALTING**

**TS04:** Supporting the transition to sustainable sourcing  
*David Griggs, Crisp Malt Anna Powell / Ben Hunt, Map of Ag*

**TS05:** Collaborating for a more sustainable supply chain  
*Ben Gothorp, Simpsons Malt*

**PANEL 02:** Barley/malting roundtable  
Sustainable malting towards the 22nd century  
*Nigel Davies (chair), David Griggs, Ben Althorp, Anna Powell, Ben Hunt*

15.00 - 15.30 **COFFEE/TEA:** Poster Presentations 01 - David Cook facilitator

**HOPS**

15:30 – 15:50 **TS06:** Building a sustainable, innovative and resilient hop supply chain  
*Guy Perry, Steiner Hops*

15:50 – 16:30 **TS07:** Developing new hop varieties to face the challenges of climate change  
*Will Rogers, Charles Faram*

**TS08:** Improving Brewing Efficiency and Sustainability with Advanced Hop Extracts  
*TNS*

16:30 – 17:10 **TS09:** Helping hop growers adapt to climate change  
*Ivan Tučnik, Asahi*

**TS10:** Future proofing UK hop production for a changing climate through genetic informed breeding  
*Klara Hadju, Wye Hops*

**WATER USE / RECOVERY**

**TS11:** Exploring Impacts on Water, Energy, and Carbon  
*Andrew Mieleniewski, Briggs of Burton*

**TS12:** Recovering energy and water from site effluent  
*Andy Burgess, NSI UK*

**TS13:** Total Water Management  
*Søren Nøhr Bak, NIRAS*

**TS14:** Sustainable engineering  
*Adrian Nicholls, NIRAS + Joao Teixeira*

**TS15:** Brewing water efficiency – The gateway to sustainability in the brewing industry  
*Detlef Geerlings, Diversey*

17:10 – 17:30 **PANEL 03:** Hop roundtable- Will whole hops and pellets become a thing of the past?

17.30 - 20.00 **BEER and BBQ** - Networking Evening

08.30 **Arrival and registration**  
08.30 - 09.00 **Trade session, including tea and coffee**

**MISC**

**SMALL BREWERY**

09.00 - 09.30 **TS14:** Maximising efficiency without CAPEX - The role of processing aids in brewing  
*Celina Dugulin, Murphy and Son*

**(20 mins) TS17:** CO<sub>2</sub> collection at craft-level.  
*Kim Dalum, Dalum*

**(20 mins) TS18:** Carbon calculations for small breweries  
*Will Calvert, Windsor and Eton*

09.30 - 10.00 **TS15:** Decarbonisation of Process heat for brewing a Techno-economic model  
*Samuel Birch, University of Leeds*

**(20 mins) TS19:** What does sustainability look like in the brewing sector and what you can do today  
*George Wade, Ben Richardson, Zevero*

**TS20:** BrewAI: A Digital Solution for Enhancing Sustainability in Small and Medium-Sized Breweries  
*Lewis Walsh, Franziska Sohns, Tom Stacey, Anglia Ruskin University*

10.00 - 10.30 **TS16:** From raw materials to responsible hygiene solutions  
*Gary Maillier – CSR Project Manager*  
*Benoît Duculot – Innovation Director, Kersia*

**PANEL 04:** Small brewers forum

10.00 -- 10.30 **TEA/COFFEE:** Poster Presentations 02 (rooms 1,2,3,4)

**PACKAGING**

**ESG**

11.00 - 11.30 **TS21:** Greener, Lighter Kegs: The Impact of Innovative Duplex Stainless Steel  
*Maria A. Mayorca, THIELMANN*

**TS24:** Reporting Environmental Social Governance (ESG) with confidence  
*Nigel Davies, MaltDoctor*

11.30 - 12.00 **TS22:** Pasteurisation optimisation – brewers and scientists' perspective  
*Adnams plc*

**TS25:** WaterAid working with global brewers to achieve ESG targets  
*Hannah Greig, WaterAid*

12.30 - 12.00 **TS23:** Measuring the real impact of lost and idle kegs and casks for a better world  
*Christian Barden Konvoy*

**TS26:** Government plans and current policy

12.30 - 13.30 **WORKING LUNCH:** Sponsored Workshop

**KEYNOTES**

13.30 - 14.00 **KEY 03:** Sierra Nevada Brewing : A case study in best practice  
*Prof Charlie Bamforth, Sierra Nevada*

14.00 - 14.30 **KEY 04:** AB InBev approach to reducing carbon  
*Tom Brewer, AB InBev*

14.30 - 15.00 **WORKING LUNCH:** Sponsored Workshop 03

**CARBON/NET ZERO**

15.00 - 15.20 **TS27:** Guide to de-carbonising heat  
*Chris Lewington, Brew Resourceful*

15.40 - 16.00 **TS29:** Legislation / UK brewer roundup  
*Steve Livens, BBPA*

15.20 - 15.40 **TS28:** Zero Carbon Forum – Risk and Resilience  
*Bob Gordon, Zero Carbon Forum*

16.00 - 16.00 **PANEL 05:** Sustainable best practice wrap up