



UK Catalysis Hub & Solar Chemicals Network Joint Workshop

31st October 2025

Meeting room 1&2, Research Complex at Harwell, Rutherford Appleton Laboratory, Harwell Campus

10:00

Registration Opens & Coffee

Rutherford Appleton Laboratory Reception (Building R75) for those visiting site.

If you already have a sit pass, please go directly to the Research Complex foyer.

Session 1

Chair:

10.30 -10.35

Dr. Josie Goodall, UK Catalysis Hub
Welcome & Introduction

**MR 1&2, Research Complex at Harwell
(Building R92)**

Dr. Josie Goodall, UK Catalysis Hub

10.35 -11.05

Prof. Ifan Stephens, Imperial College
London

Cracking the Triple Bond: Electrochemical
Pathways to Sustainable Ammonia

11.05 -11:35

Prof. Erwin Reisner, Cambridge

Solar-powered waste-to-value devices

11.35 -12:05

Dr. Jenny Zhang, Cambridge

Photosynthesis natural to artificial

12:05-12:15

Prof. Elizabeth Gibson, Newcastle

Intro to GB chemicals

12:15 -13:00

LUNCH & DISCUSSIONS FOYER (R92)

Session 2

Chair:

13:00-13:30

Dr. Jenny Zhang, Cambridge
Prof. Ludmilla Steier, Oxford

**MR 1&2, Research Complex at Harwell
(Building R92)**

Understanding photocatalysts for CO₂
photohydrogenation

13:30-14:00

Dr. Charles Creissen, Keele

State-of-the-Art Electrocatalysis for Sustainable
Chemicals Production

14:00-14:15

Introduction to discussion groups

MR 1&2

14.15-14.35

Brainstorming

Meeting rooms 1 – 4

Topics: 1 x key challenge questions per group -
speakers to identify areas and mechanisms for
the two communities to work together

14.35-14.40

Reassemble

MR 1&2

14:40-15.00

Summary of discussions
Tea & Coffee available

Led by speakers (3 mins each)

15.00- 15.50

Grand challenge

Strategic discussion on grand challenges and
how to get more resources for the field
If you had £50m, how would you spend it to
help the fields? What do we need and what
needs to be done?

15:50-16:10

Summarise

Summary from discussions
(3 min each)

16:10-16:30

Close and next steps