Day 1, 11th March: Atmospheric Chemistry Special Interest Group Meeting

TIME	TITLE	SPEAKER
10:00	Arrival and refreshments	
10:50	Welcome and introduction	
Session 1: Climate effects of hydrogen emissions		
11:00	*Keynote:* The global warming potential of hydrogen: sensitivities and uncertainties	Maria Sand, CICERO
11:30	Climate effects of hydrogen emissions: attribution and regional impacts	Bill Collins, University of Reading
11:50	The influence of hydrogen on the chemistry of ozone, methane and carbon monoxide	Hannah Bryant, University of Edinburgh
12:10	Climate impacts of hydrogen powered aircraft	Alex Rap, University of Leeds
12:30	Lunch break	
Session 2: The atmospheric hydrogen budget		
13:30	*Keynote:* Atmospheric hydrogen: sources, sinks, historical trends and key uncertainties	Fabien Paulot, NOAA GFDL
14:00	Atmospheric sources of hydrogen and their uncertainties	Dudley Shallcross, University of Bristol
14:20	Understanding and quantifying soil hydrogen uptake through atmospheric measurements	Alex Chaudhri, University of Edinburgh
14:40	The impact of future climate changes on hydrogen uptake by soils	Megan Brown, University of Cambridge
15:00	Refreshment break	
15:30	Poster flash talk session	
15:45-17:00	Poster session	
18:30	Buffet dinner	

Day 2, 12th March:

TIME	TITLE	SPEAKER
09:00	Summary of previous day	
Session 3: Microbial uptake of hydrogen by soils		
09:15	Laboratory studies exploring the factors controlling hydrogen soil uptake	Julia Drewer, UK Centre for Ecology and Hydrology
09:45	Soil hydrogen uptake across a range of UK soil and climate conditions	Nick Cowan, UK Centre for Ecology and Hydrology
10:05	Modelling hydrogen uptake in soil: exploring the role of microbial activity	Saeed Karbin, University of Aberdeen
10:25	Refreshment break	
Session 4: Future hydrogen energy scenarios and associated air quality impacts		
11:00	First detection of industrial hydrogen emissions	Iris Westra, University of Groningen
11:20	Global fugitive hydrogen emission scenarios and their climate impacts	Jana Fakhreddine, University College London Max Coleman, University of Reading
11:50	UK hydrogen energy scenarios	Paul Dodds, University College London
12:10	Air pollutant emissions from hydrogen technologies	Helen ApSimon, Imperial Nicolás Ripoll Kamied, Imperial
12:30	Air quality impacts of UK hydrogen energy scenarios	Adam Brighty, Imperial
12:50	Lunch break	
Session 5: The role of hydrogen in achieving net zero emissions		
14:00	TBC	Jane Toogood, Co-Chair UK Hydrogen Delivery Council
14:20	TBC	Paul Monks, Chief Scientific Advisor for the Department of Energy Security and Net Zero
14:40	Expert panel discussion	
15:30	Close	