



Monday, 1 July

10am **Registration**
Auditorium Foyer

12pm **Lunch**
Auditorium Foyer

1pm **Introduction and welcome**
Auditorium
Chaired by: Dr. Fredric Bauer and Prof. Jonathan Cullen

1:15pm **Global context and impacts, Keynote I**
Auditorium
Chaired by: Prof. Jonathan Cullen

The Gulf Arab States and the 'East-East' Petrochemical Circuit: Implications for a Just Transition
» Adam Hanieh

1:30pm **Global context and impacts, Keynote II**
Auditorium
Chaired by: Prof. Jonathan Cullen

Plantations to Petrochemicals: Descendants Role in Breaking the Chains of Plastic
» Jo Banner

1:45pm **Global context and impacts, Keynote III**
Auditorium
Chaired by: Prof. Jonathan Cullen

Impact of Variability and Uncertainty in Upstream Oil and Gas Emissions on Petrochemical Product Life Cycle Assessments
» Joule Bergerson

2pm **Q & A | Keynote Panel**
Auditorium
Chaired by: Prof. Jonathan Cullen

2:30pm **Tea and Coffee break**
Auditorium Foyer

3pm **Bio**
Upper Hall 1
Chaired by: JP Lumb

3pm **Carbon for chemicals: the role of biomass in the de-fossilisation of the chemicals sector**
» [Dr. Joanna Sparks](#), Dr. Andrew Welfle, Prof. Patricia Thornley, Dr. Mirjam Roeder, Prof. Jason Hallett

3:15pm **Evaluating Market-Based Policy Interventions for the Uptake of Alternative Fuels in the UK Petrochemical Industry**
» Dr. Gbemi Oluleye, [Ms. Elsy Milan](#)

3:30pm **Resource and environmental challenges of bio-based plastics in a world facing triple planetary crisis**
» [Ms. Jing Huo](#), Dr. Zhanyun Wang, Dr. Pekka Lauri, Dr. Juan D. Medrano-García, Prof. Stefanie Hellweg

3:45pm **Green Methanol from Biomass Wastes – Prospects and Challenges**
» [Mr. Wubin Yan](#), Dr. Chuan Zhang

3pm **Climate model**
Auditorium
Chaired by: Dr. André Cabrera Serrenho



Continued from **Monday, 1 July**

- 3pm **Climate impact of primary plastic production**
» [Dr. Nihan Karali](#), Nina Khanna, Nihar Shah
- 3:15pm **Prioritising petrochemical production decarbonisation with limited resources and limited data**
» [Mr. Luke Cullen](#), Dr. Andrea Marinoni, Prof. Jonathan Cullen
- 3:30pm **Systems interactions for defossilising the petrochemical industry**
» [Dr. Stephen Doliente](#), [Dr. Rick Lupton](#), Mr. Luke Cullen, Dr. Yunhu Gao, Dr. Enze Jin, Prof. Eric Masanet, Dr. André Cabrera Serrenho, Prof. Jonathan Cullen
- 3:45pm **The main findings of the report "Climate impacts of plastics: Global actions to stem climate change and end plastic pollution"**
» [Ms. Natalia Skripnikova](#)
- 4:45pm **Drinks reception**
Auditorium Foyer
- 5:15pm **Communications & Publishing session I**
Auditorium
Chaired by: Dr. Fanran Meng
- 6pm **Break**
- 6:15pm **Communications & Publishing session II**
Auditorium
Chaired by: Mr. Barnaby Pace

7:30pm **Dinner**
Dining Hall

Tuesday, 2 July

- 9am **Single Use Plastics**
Gaskoin Room
Chaired by: Dr. Christopher Oberschelp
- 9am **Production of Alternatives to Single-Use Plastic Items in Vietnam: Findings from a Producer Survey**
» [Thanh Nguyen](#), Khoa Nguyen
- 9:15am **Environmental Evaluation of Single-Use Plastics Regulation in Ontario, Canada**
» [Ms. Mengqing Kan](#), Dr. Sylvia Sleep, Dr. Daniel Posen, Dr. Heather MacLean
- 9:30am **Pathway of food and beverage containers (FaBCs) packaging towards carbon neutrality**
» [Ms. PEIXIU CHEN](#), Prof. Benjamin STEUER
- 9:45am **Policies to promote alternatives to single-use plastics: a roadmap for economic instruments in Vietnam**
» [Dr. Hoang Nam Nguyen](#), Dr. Thuy Ngoc Kim, Dr. Tung Lam Nguyen
- 9am **Local justice**
Auditorium
Chaired by: Mr. Andrés Del Castillo
- 9am **Petrochemical Proliferation in North Africa: Understanding the climatic and environmental stressors against the industry's growth**
» [Mr. Mohamed Kamal](#), [Ms. Janna Radi](#)



Continued from **Tuesday, 2 July**

9:15am **How Just is our Just Transition? Industry Insights from a Transforming Sector.**

» [Ms. Kaja Horn](#)

9:30am **Just Transition in the Global South: Exploring Philippines' Zero Waste Community Sites as a case for democratic participation and environmental justice**

» [Mr. Joseph Edward Alegado](#)

9am **Climate model**

Upper Hall 1

Chaired by: Mel Wang

9am **Blackbox Chemical Industry - the most energy intense industry in Germany**

» [Janine Korduan](#)

9:15am **Replacing plastics with alternatives is worse for greenhouse gas emissions in most cases**

» [Dr. Fanran Meng](#), [Prof. Jonathan Cullen](#), [Dr. Miguel Brandão](#)

9:30am **Modelling the CO2 abatement potential of technologies in the context of national carbon neutrality targets: A case study from the petrochemical sector of India**

» [Mr. DUTTATREYA DAS](#)

9:45am **Global greenhouse gas emissions from nitrogen fertilizers**

» [Dr. Yunhu Gao](#), [Dr. André Cabrera Serrenho](#)

10:30am **Tea and Coffee break**

Auditorium Foyer

11am **Impacts**

Gaskoin Room

Chaired by: Dr. Rick Lupton

11am **Assessing Petrochemical Sector Footprints and Linkages via Global Input-Output Modeling**

» [Dr. Meng Jiang](#), Mr. Yuheng Cao, Prof. Bing Zhu, Prof. Edgar Hertwich

11:15am **Quantifying the global demand for polymers and mitigation potentials**

» Dr. Yunhu Gao, [Dr. André Cabrera Serrenho](#)

11:30am **Understanding environmental impacts of petrochemicals supply chains at global scale**

» [Dr. Christopher Oberschelp](#), Dr. Helene Wiesinger, Dr. Magdalena Klotz, Prof. Stefanie Hellweg

11:45am **Building a new integrated assessment framework to account for circular economy policies and impacts: the plastics case study**

» [Dr. Mariësse van Sluiseveld](#), Dr. Corjan Brink, Dr. Paul Stegmann, Dr. Toon van Harmelen

11am **Panel discussion**

Auditorium

Chaired by: Ms. Delphine Levi Alvares

Global industry, local impacts

» [Ms. Delphine Levi Alvares](#)

11am **Products**

Upper Hall 1

Chaired by: Prof. Stefan Lechtenböhmer

11am **Environmental impacts and benefits of carbon dioxide-based plastics - a case study of polypropylene carbonate (PPC)**

» [Prof. Ya Zhou](#), Mr. Zhitong Chen

11:20am **Material efficiency strategies to decarbonize the rubber cycle associated with global passenger car fleets**

» [Dr. Zhi Cao](#)



Continued from **Tuesday, 2 July**

11:40am **The Inputs and Outputs of Rhamnolipid Production: an Economic and Environmental Approach**

» [Ms. Ellen Newman](#), Prof. Jon McKechnie, Prof. Alex Conradie

12pm **Sustainability assessment for early-stage bioplastics: comparing laboratory processed Cellulose nano fibre (CNF) with existing alternatives for flexible films**

» [Dr. Samantha Islam](#), Prof. Paul Mativenga, Prof. Jonathan Cullen

12:30pm **Lunch**

Auditorium Foyer

1:30pm **Actors and institutions, Keynote I**

Chaired by: Dr. Fredric Bauer

Can policy incentives accelerate decarbonization of the chemicals industry? A case study of the U.S. ammonia sector.

» Eric Masanet

1:45pm **Actors and institutions, Keynote II**

Chaired by: Dr. Fredric Bauer

1:45pm **The Future Plastics Treaty: Enabling Climate Goals with a New Institutional Framework for the Petrochemical Industry**

» [Ms. Daniela Duran](#), Mr. Andrés Del Castillo, Ms. Delphine Levi Alvares

2pm **Actors and institutions, Keynote III**

Chaired by: Dr. Fredric Bauer

Cutting the Supply of Climate Injustice: Towards a Fossil Fuel Treaty

» Peter Newell

2:15pm **Q & A | Keynote panel**

Auditorium

2:45pm **Tea and Coffee break**

Auditorium Foyer

3:15pm **Local impacts**

Gaskoin Room

Chaired by: Mr. Barnaby Pace

3:15pm **Toxic Chemical Releases in the EU**

» [Mr. Richard Wielechowski](#), Mr. Chris Baldock, Ms. Thalia Bofiliou

3:30pm **The Impacts of Petrochemical Industries on Local Communities in Cameroon: Opportunities and Challenges**

» [Mr. Achuh Owen Teheng](#)

3:45pm **“Who Knows It Feels It”: Legislative theatre as an innovative method to amplify the voices of waste pickers on the global stage**

» [Dr. Cressida Bowyer](#), [Dr. Erika Hughes](#)

3:15pm **Political economy**

Auditorium

Chaired by: Alice Mah

3:15pm **India's petrochemical industry: Private interests over climate concerns**

» [Ms. Swathi Seshadri](#)

3:30pm **Chemicals parks and the Defossilisation of the Chinese Chemical industry**

» [Ms. Lixue Lin-Siedler](#)

3:45pm **Reproducing fossil-based plastics: The mobilisation of material, institutional, and discursive power to expand production capacity in Europe**

» [Mr. Karl Holmberg](#), Mr. Joachim Peter Tilsted, Dr. Fredric Bauer, Dr. Johannes Stripple



Continued from **Tuesday, 2 July**

4pm **Domesticating “high value-added” petrochemicals in Taiwan: Assessing net zero narrative realignment practices at the national level**

» [Dr. Erich Hellmer](#), [Dr. Paul Jobin](#)

3:15pm **Policies**

Upper Hall 1

Chaired by: Dr. Anna Zhenova

3:15pm **What are the policies that will help green chemicals thrive?**

» [Dr. Liam Hardy](#)

3:35pm **The global transformation of the petrochemical industry in a climate-constrained world and its implications for global sustainability**

» [Prof. Stefan Lechtenböhmer](#)

3:55pm **Dismantling the Petrochemical Kingdom - developing transformative policy mixes to decarbonize the petrochemical industry in Taiwan**

» [Dr. Chia-Wei Chao](#)

4:15pm **US Policy landscape on emission reduction efforts in chemicals**

» [Winston Yau](#)

5pm **Poster session**

Auditorium Foyer

Dynamic impact assessment of low-carbon ethylene production: Case of India

» [Dr. Vinod Vijay Kumar](#)

Towards a Global Plastics Treaty: Tracing the UN Negotiations

» [Tara Olsen](#)

Participant

» [Mrs. Camila Bertranou](#)

Climate benefits of PLGA: A novel plastic based on carbon dioxide

» [Ms. Sara Gonella](#), Prof. Mark A.J. Huijbregts, Prof. Heleen de Coninck, Dr. Vincent de Gooyert, Dr. Steef V. Hanssen

6pm **Punting**

Let's Go Punting

Chaired by: Prof. Jonathan Cullen and Laura Prestwich

7pm **Drinks reception at Clare College**

The River Room, Clare College

7:30pm **Gala Dinner at Clare College**

Great Hall, Clare College

Wednesday, 3 July

9am **Global**

Gaskoin Room

Chaired by: Dr. Fredric Bauer

9am **Contours of an International Plastics Climate Club**

» [Dr. Lukas Hermwille](#)

9:20am **Reflections from the INCs: Making a Case for Plastic Production Reduction, Chemical Transparency and Zero Waste Economy**

» [Mr. Ahmed Tiarniyu](#), [Mr. Jubril Adigun](#), [Ms. Tolulope Oloyede](#)

9:40am **Fossil fuel lobbyists and conflict of interests within the INC process**

» [Ms. Delphine Levi Alvares](#), [Mr. Barnaby Pace](#)



Continued from Wednesday, 3 July		Multiscalar Activism and Petrochemical Just Transformations	
10am	"Bridging the Plastics Gap" in Climate Commitments to Protect Our Ocean, Climate, and Communities" » Ms. Anjel Iriaghomo , Ms. Anna Zivian, Ms. Aarthi Ananthanarayanan	11:15am	Solutions and interventions for a just transition, Keynote II Chaired by: Chris Hamlin
9am	Industrial change <i>Upper Hall 1</i> Chaired by: Prof. Eric Masanet	11:15am	Strategic litigation against petrochemicals expansion » Ms. Maria Petzsch , Ms. Sophie Marjanac
9am	Beyond petrochemicals: mapping the socio-economic dynamics of methanol production for sustainable future » Dr. Vahid Ghorbani Pashakolaie , Dr. Sina Rezaei Gomari	11:30am	Solutions and interventions for a just transition, Keynote III Chaired by: Chris Hamlin
9:20am	Towards a Distributed Chemical Production Industry » Prof. Joel Tickner, Prof. Kenneth Geiser, Dr. Anna Zhenova		Navigating the Future of Plastics: Overcoming Challenges and Finding Solutions » Stefanie Hellweg
9:40am	"Risk on steroids": The Political Economy of Power-to-X » Oliver Bugge Hunt, Joachim Peter Tilsted	11:45am	Q & A keynote panel <i>Auditorium</i> Chaired by: Chris Hamlin
10am	How much PtX does a NetZero chemical industry need? » Mr. Lukas Horndasch , Dr. Johannes Israel, Dr. Sebastian Voswinkel, Dr. Harry Lehmann, Mrs. Anita Demuth, Dr. Irina Akhmetova, Mr. Nils Fuchs, Mr. Sven Kühnel		
9am	Innovative session <i>Auditorium</i>	12:15pm	Closing remarks <i>Auditorium</i>
	Higher Education and the Petrochemical Industry: The Urgent Need for a Paradigm Shift in Universities » Prof. Jennie Stephens	12:30pm	Lunch <i>Auditorium Foyer</i>
10:30am	Tea and Coffee break <i>Auditorium Foyer</i>	1:30pm	(optional & sign up only) Significance & Impact: Exerting Effective Influence in Complex Systems <i>Upper Hall 1</i> Chaired by: Chris Hamlin and Penny Hamlin
11am	Solutions and interventions for a just transition, Keynote I Chaired by: Chris Hamlin		



Continued from **Wednesday, 3 July**

Significance & Impact: Exerting Effective Influence in Complex Systems