



# Our energy future: Innovation and participation to reach our climate targets



# IKEM

# ACADEMY

## ENERGY & CLIMATE

### ABOUT IKEM

The Institute for Climate Protection, Energy and Mobility (IKEM) is an independent research institute and registered NGO affiliated to the University of Greifswald.

IKEM's interdisciplinary research explores potential legal, political, economic and social pathways to a sustainable energy transition in Germany and around the world.



### ABOUT IKEM ACADEMY: ENERGY AND CLIMATE

IKEM Academy is an innovative, interdisciplinary and international programme organised annually in close collaboration with the University of Greifswald. For nearly two decades, it has served as a leading international forum for researchers and professionals in energy and climate fields. Over the course of the five-day programme, Academy participants exchange expertise in creative workshops, tour state-of-the-art renewable-energy installations, and attend presentations and

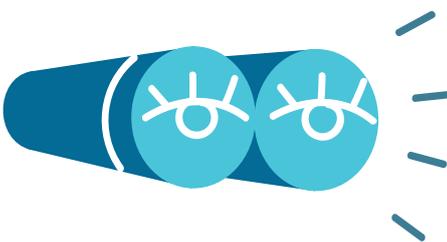
seminars led by distinguished researchers, professors, industry professionals, and representatives of governments and think-tanks. The Academy, located in Berlin, is open to 25–30 participants who work in the energy or climate field or have a specific interest in the programme topic. Applicants are selected based on their academic and professional qualifications and must have experience relevant to the annual focus of the Academy.



## ABOUT THE 2022 PROGRAMME

# Our energy future: Innovation and participation to reach our climate targets

The world continues to reel from the effects of the COVID-19 pandemic, but energy consumption – and the associated emissions – are already returning to business-as-usual levels. The pandemic made only a small dent in an otherwise upward trajectory of emissions, record-breaking temperatures, wildfires and extreme weather events. But even as the 1.5°C target set in the Paris Agreement appears to drift farther out of reach, there are reasons for optimism: social and technological innovation are opening up new avenues for accelerated climate action, from green hydrogen to digital participation opportunities, and from new policy initiatives to bottom-up climate litigation.



With these new tools at our disposal, IKEM Academy 2022 will explore the question: what does our energy future look like? How can we leverage existing and new technologies, raise our ambition and boost public participation to decarbonise our societies and reach our climate targets on time? IKEM Academy participants will

examine these issues in site visits, interactive workshops, expert lectures, and panel discussions with world-renowned thinkers and innovators.

On Monday, the Academy opens by inviting participants to explore utopian vision of our future energy system – first in discussions and interactive seminars, then on a visit to the Futurium: House of Futures. On Tuesday, participants take part in a co-creative workshop, visit a wind park, and tour a Berlin Brauhaus that uses locally produced green electricity to brew craft beers. On Wednesday, the programme offers an intensive focus on the state of the global energy transition, governance challenges, Germany's new bold climate vision, and the need for a socially just transformation process. Thursday addresses the potential of the energy transition to empower people, with

two interactive panel discussions on climate litigation and the importance of locally produced green energy. Friday opens with a session on the virtual power plant, dives into innovative approaches to sustainable mobility and the urban energy transition and concludes with a co-creative workshop that integrates the ideas and expertise of the participants into a roadmap to a sustainable energy future. As always, the Academy will end on a festive note with a barbecue and summer celebration for all participants and speakers!





## DAY 1

### Energy Utopia: From imagination to transformation

Monday, 11 July 2022 | 13:00 –19:00 GMT+2

**13:00** Welcome and introduction of the 2022 participants and agenda

**Anika Nicolaas Ponder**

**Alexandra Steinkraus**

IKEM

**14:00**

**Visit to the Futurium:  
House of Futures**

The Futurium is a museum that showcases sustainable futures for society, mobility, cities, and energy, centring on the question: how do we want to live?



Site visit!

**13:20** Energy utopia: Imagination as a driver of change

**Sam Holleran**

PhD Researcher

University of Melbourne Fellow at the Melbourne Centre for Cities



## DAY 2

### Communication and creativity: New tools to meet the climate challenge

Tuesday, 12 July 2022 | 09:45 –17:30 GMT+2

**09:45** Welcome coffee

**12:30**

Lunch

**10:15** Participatory workshop:  
Creative collaboration for  
100% renewable energy

**Bernd Riedel**

Executive Creative Director,

Ellery Studio for Creative Strategy

**Anika Nicolaas Ponder**

Head of Sustainability & Innovation,

IKEM

**13:30**

TEUT WINDPROJEKTE

**Excursion: Interview and visit**

Wind farm providing green electricity for the city of Berlin

Site visit!

**16:00**

BRAUHAUS NEULICH

**Excursion: Tour and tasting**



Interactive workshop!



## DAY 3

### Energy transition worldwide: Taking stock

Wednesday, 13 July 2022 | 09:00 –16:20 GTM+2

09:00	Welcome coffee	13:30	<b>Money talks: Green investments to reach our climate targets</b> <b>Paul Chahine</b> Sustainability Research Manager, Luxembourg Stock Exchange LuxSE
09:30	<b>Are we on track? Emissions, decarbonisation and the global green recovery</b> <b>Dr.-Ing. Andreas Geiges,</b> Senior Data Scientist, Climate Analytics	14:15	<b>Energy justice for disadvantaged communities: Perspectives from Ghana</b> <b>Nerissa Anku</b> Research Fellow University of Energy and Natural Resources
10:15	<b>From receding glaciers to Arctic wildfires: Climate governance in a changing landscape</b> <b>Arne Riedel</b> Senior Fellow, Ecologic Institute		Introduction by: <b>Prof. Eric Oforu Antwi,</b> Director RCEES, University of Energy and Natural Resources
			
11:15	Coffee break 		
11:45	<b>Green hydrogen: German &amp; EU strategy in light of energy security and climate concerns</b> <b>Dr. Simon Schäfer-Stradowsky</b> Managing Director, IKEM	15:00	Coffee break 
12:30	Lunch	15:20	<b>Assessing opportunities: The role of food systems and forests in reaching our climate targets</b> <b>Haseeb Bakhtary</b> Senior Consultant, Climate Focus



## DAY 4

### Bottom-up drivers of action, innovation and empowerment

Thursday, 14 July 2022 | 09:00 – 16:00 GTM+2

09:00 Welcome coffee

**09:30 Social innovation in the energy transition: People-centered participation models**

**Friederike Skorning, Jannis Glahe**

ENGAGE project partners (funded by the Federal Ministry for Economic Affairs and Climate Action)



**10:00 Climate science communication: Engage through innovative formats**

**Dr. Stephanie Siewert**

Alexander von Humboldt Foundation

**10:30 Moving to NetZero - Nigeria's Energy Transition Plan**

**Chibuikem Agbaegbu**

Country Manager,  
Africa Clean Energy Technical Assistance Facility



11:00 Coffee break



**11:30 Energy innovation in Brasil: High hopes for hydrogen**

**Maria João Pereira Rolim**

PhD in Energy, CEPMLP Dundee, infra 2038

12:00 Lunch

**13:00 Legal power to the people: The rise of the climate lawsuit**

**Kate McKenzie**

Climate Diplomat,  
IKEM Research Academy

**Henrike Lindemann**

Managing Director,  
Green Legal Impact Germany e.V.

**Francesca Mascha Klein**

Lawyer, ClientEarth

Panel discussion

Moderated by:

**Kathleen Pauleweit**

Legal Expert, IKEM

14:15

Coffee break



**14:45**

**Keeping it local: Regional green electricity for Brandenburg & Berlin**

**Dàmir Belltheus Avdic**

Research Associate,  
Sustainability & Innovation, IKEM

Panel discussion

**Local green energy: Drivers and obstacles**

**Philine Wedell**

dena

Energie und Betriebe

**Marie Lange**

SolarBlick

**Lennart Kehlenbeck**

Wirtschaftsförderung Land

Brandenburg GmbH

Moderated by:

**Luca Liebe**

Research Associate

Sustainability & Innovation, IKEM



## DAY 5

### Beyond electricity: Green innovation for an integrated world

Friday, 15 July 2022 | 09:00 –23:00 GMT+2

09:00 Welcome coffee

12:30 Lunch

**09:30 The virtual power plant: heat, hydrogen and green electricity**

**Alexander Voigt**

Founder, HH2E



**10:15 Innovating offshore wind**

**Thilo Krupp**

Stiftung OFFSHORE-WINDENERGIE

11:00 Coffee break



**11:30 Lightening Round: sustainable mobility and the urban energy transition**



Driving change: Integrated sustainable mobility solutions

**Friederike Pfeifer**

Head of Mobility Department, IKEM

Radical rethinking of urban space

**Matthias Heskamp**

Vorstand paper planes e.V.

Geschäftsführer, project Reallabor Radbahn gUG

Urban mobility: Electric mobility as a service

**Olaf Bender**

Urban mobility innovations

**13:30 Our energy future: Collaborative roadmap to reach our climate targets**

Participatory workshop summarising lessons learnt from the 2022 Academy, to be integrated into the 2022 IKEM Academy Infographic Poster

Interactive workshop!

Moderated by:

**Alexandra Steinkraus**

Research Associate, IKEM

**Odile Stabon**

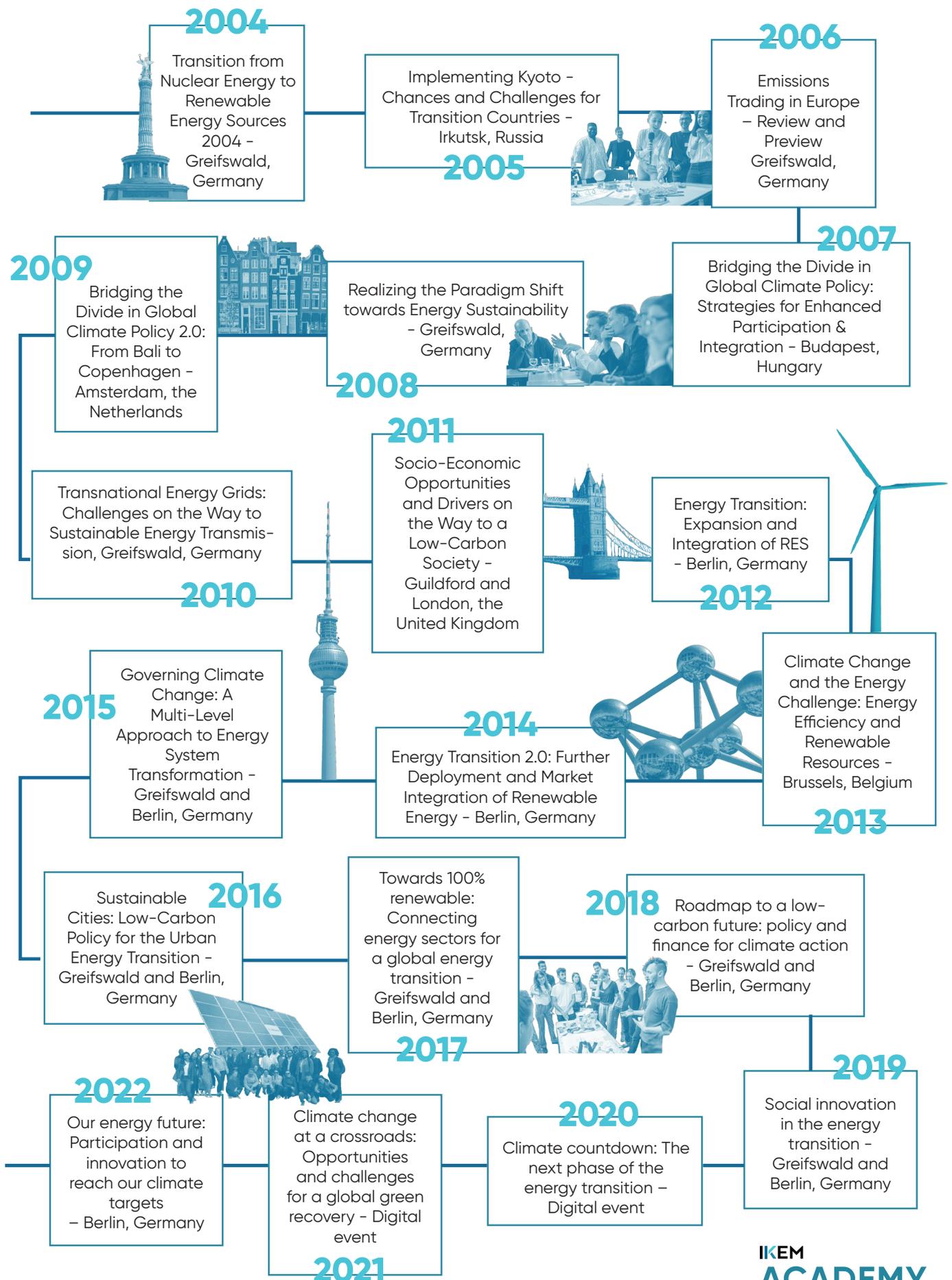
Design Lead, IKEM

**15:30 End of IKEM Academy 2022: Energy and Climate**

**18:00 IKEM Academy farewell barbecue and summer celebration**



## International climate collaboration since 2004



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**ACADEMY**  
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Brandenburg in 2022

