



COP<sup>28</sup>  
UAE

MASDAR 



PIONEERING ENERGY  
FOR THE UAE AND THE WORLD  
**MASDAR AT COP28**



# HEALTH, RELIEF, RECOVERY, PEACE

SUNDAY, DECEMBER 3

## Collaborate to Accelerate:

Sessions exploring importance of collaboration in accelerating the global energy transition

10:45 – 11:30

### Panel | H<sub>2</sub> supply - Middle East to Europe

A discussion on the green hydrogen industry and the challenges and opportunities of supplying Europe with H<sub>2</sub> from the Middle East.

#### Speakers from:

- Masdar
- E.ON
- ENGIE

11:30 – 12:15

### Fireside Chat | The power of partnerships

Join **Masdar** and **EDF Renewables** for a discussion on our joint projects in the region, and how they are helping accelerate the Middle East's energy transition.

12:15 – 13:00

### Presentation | The GREY project:

Discover more about a project that is about to change the energy landscape between Egypt and Greece.

#### Speakers from:

- Infinity Power
- Copelouzos Group



# HEALTH, RELIEF, RECOVERY, PEACE

SUNDAY, DECEMBER 3

14:00 – 15:00

## Case Study | Repeating successful sustainable finance solutions

A session focusing on the untied export credit financing solution implemented on Zarafshan Wind Farm with Etihad Credit Insurance, FAB and Natixis, and how solutions like this can be replicated in other markets.

## Speakers from:

- Masdar
- Etihad Credit Insurance
- First Abu Dhabi Bank
- Natixis

15:00 – 16:00

## Panel | Accelerating the energy transition in Africa

West Africa stands ready to harness the power and potential of its vast renewable energy resources for energy security and equitable electricity access. But what can be done to incentivize and accelerate the energy transition. This session aims to explore that question.

## Speakers from:

- Masdar
- Infinity Power
- PWC
- Africa50
- SolarKiosk

16:00 – 17:00

## Presentation – UNHCR | Climate-induced displacement

# FINANCE AND GENDER EQUALITY

MONDAY, DECEMBER 4

11:30 – 12:30

## Panel | Women in renewables

Bringing together dynamic voices from within the renewable energy sector, this discussion will focus on the potential barriers that women may face, and underscore the significance of overcoming these challenges to foster inclusivity.

## Speakers from:

- Masdar
- Octopus Energy
- Clean Energy Finance Corporation

13:20 – 14:00

## Panel – BCG | Wind power supply chain

A discussion the impact of supply chains on the wind power industry with Masdar, GWEC and Boston Consulting Group.

14:00 – 15:00

## Panel | Gridlocked? Renewable energy and the future of the grid

A discussion examining the challenges around connecting renewable energy to the grid, the amount of potential energy still to be connected and whether this phase of energy generation requires a new solution.

## Speakers from:

- Masdar
- TAQA
- Octopus Energy Generation
- Siemens

16:00 – 1700

## Panel | Energy Institute | In search of the energy transition: The Energy institute at COP28



# ENERGY, JUST TRANSITION, INDUSTRY

TUESDAY, DECEMBER 5

10:45 – 11:20

## Presentation | Making the 'impossible' possible

A session from **Octopus Energy**, exploring a tech-powered energy revolution that will help the world achieve its climate goals more quickly and cheaply.

11:30 – 12:30

## Panel – IRENA | Renewable Power – How innovation and cost reductions made electrification the key to the energy transition

Innovations and cost reductions in solar and wind technology are transforming the energy sector - renewable energy now represents the lowest cost of new electricity in the world. This session will look to 2030 and beyond to explore what else needs to be done to accelerate the energy transition.

12:30 – 13:30

## Ask the Experts | The evolution of solar power

A discussion between **Masdar** and **Infinity Power** on the evolution of solar power over the past decade and its trajectory over the next 10 years.

13:30 – 14:30

## Presentation and Panel – Austrian Embassy | Pioneering Green Hydrogen Alliances: UAE – Central Europe and Beyond

A panel discussion delving into the intricacies of Austria's visionary Hydrogen Strategy lead by **VERBUND** and its dynamic partnership with **Masdar**. Discover how similar collaborations can be replicated in other regions, promoting the widescale adoption of green hydrogen for transportation.

## Speakers from:

- Masdar
- Austrian Ministry for Climate Action
- Austrian Federal Economic Chamber
- VERBUND

# ENERGY, JUST TRANSITION, INDUSTRY

TUESDAY, DECEMBER 5

15:00 – 16:00

Screening and Panel Discussion | Forging a sustainable future: The path to green steel

- Premiere | Short video documentary made with Emirates Steel demonstrating the installation of the first green electrolyzer in the UAE
- Panel | Decarbonizing the steel industry

Speakers from:

- Masdar
- Emirates Steel
- Thyssenkrupp
- Vale

16:00 – 17:00

Don't wait because it's hard to abate:  
Decarbonization strategies for carbon-intensive businesses

Materials produced by hard-to-abate sectors are critical in today's economy, and necessary to achieve the low-carbon economy of tomorrow. However, meeting net-zero targets will require cross-industry collaboration and bold strategies. Join our panel to discover how this can be done.

Speakers from:

- Masdar
- Oliver Wyman
- Emirates Global Aluminum

17:00 – 18:00

Panel - Hydrogen Council | Discussion of the new ISO standards



# TRANSPORT, URBANIZATION, BUILT ENVIRONMENT

WEDNESDAY, DECEMBER 6

10:20 – 12:00

## Innovate & Climate | Final Pitches

Theme: Developing efficient solutions for a sustainable energy transition

12:00 – 1300

## Screening and Panel Discussion | Taking flight with green hydrogen

Sessions exploring how the aviation sector can be transformed for a sustainable future.

- Premiere - Masdar lifts off | Video documenting the inaugural flight powered using fuel produced via the methanol-to-jet pathway.
- Panel | Transforming aviation for a sustainable future

### Speakers from:

- Masdar
- Total Energies
- AirBus
- ZeroAvia

13:00 – 15:00

## Sustainability at Sea

The maritime industry is responsible for 2.5% of global greenhouse gas emissions annually, a percentage comparable to the total annual emissions of a major industrial country. This vital sector needs to be part of global decarbonization targets if we are to reach our global net zero targets

## Panel | Green fuels powering the decarbonizing of the maritime sector.

### Port to Port

A session examining the role of ports in decarbonizing the maritime industry – what is the technology can be implemented?

### Speakers from:

- Masdar
- Kawasaki
- OCI Global

### Speakers from:

- Masdar
- DP World
- Port of Amsterdam International



# TRANSPORT, URBANIZATION, BUILT ENVIRONMENT

WEDNESDAY, DECEMBER 6

15:00 – 16:00

## Panel | Retrofitting cities for the renewables revolution

A discussion focusing on strategies and challenges associated with transforming existing urban infrastructure to accommodate renewable energy sources.

## Speakers from:

- Emerge
- Ras Al-Khaimah Energy Efficiency and Renewables Office
- Miral
- Edamah

16:00 – 17:00

## Panel | Waste-to-energy

A discussion on the latest technological advancements in waste-to-energy conversion.

## Speakers from:

- Masdar
- Bee'ah Group
- Australian Trade and Investment Commission
- Tribe Infrastructure

17:00 – 17:30

## Ask the Experts | Designing urban spaces with sustainability in mind

Discussions between **EMERGE** and **Masdar City** on integrating environmentally friendly practices and technologies into the urban planning and development process.



# YOUTH, CHILDREN, EDUCATION AND SKILLS

FRIDAY, DECEMBER 8

10:30 – 16:30

## Y4S Annual Forum

Theme: Advancing Youth Engagement to Mobilize Climate Action

The Y4S Forum seeks to create an inclusive space for young attendees at COP28, inspiring and empowering them to become change-makers in the fight against climate change. This event will serve as a catalyst for youth-led innovation, policy advocacy, and sustainable entrepreneurship.

10:35 – 11:00

**FSL Heroes Panel & Q&A | The role of Y4S in empowering youth towards climate action**

11:00 – 11:25

**Keynote speeches | Innovation and Youth-Led Climate Action**

11:25 – 12:05

**Panel | Start-ups shaping the climate agenda**

12:05 – 12:45

**Panel | Sustainability strategies**

12:45 – 13:30

**Panel | Youth as climate policy advocates**

13:50 – 14:30

**Keynote and Panel | Investment in green technologies**

14:30 – 15:05

**Panel | Circular economy and sustainable practices**

15:35 – 16:30

**Workshop with Ernst & Young | Invitation only**



# NATURE, LAND USE AND OCEANS

SATURDAY, DECEMBER 9

10:00 – 11:00

## Panel – IRENA | Hydrogen in GCC

Convening industry leaders, policymakers, researchers and stakeholders, this panel will discuss the findings for the GCC region from a report developed by **IRENA** and **Roland Berger**.

11:00 – 11:30

## Presentation and Q&A Session | Floating Solar – A scalable solution for the future

A session focusing on the societal and sustainability benefits of floating solar power plants, featuring **Masdar's** Cirata project as a case study.

12:00 – 13:00

## Panel | Integrating environmental and social sustainability practices and effective stakeholder consultation into renewable energy development:

Renewable energy projects can potentially present challenges for local communities and biodiversity. This panel will present successful case studies that showcase ways in which these risks have been managed around the world.

### Speakers from:

- Masdar
- EBRD
- International Finance Corporation
- Asian Development Bank

13:00 – 13:30

## Meet the Expert | Windfarms and birds, managing the risks

### Speakers from:

- Masdar
- Birdlife International UK

# NATURE, LAND USE AND OCEANS

SATURDAY, DECEMBER 9

15:00 – 15:30

**Meet the Experts | Social and  
resettlement risk management  
on emerging markets**

**Speakers from:**

- Masdar
- UAE Energy Sector

15:30 – 16:30

**Panel | Wind energy and biodiversity  
protection**

Wind energy is an important component for the decarbonization of the power sector but can pose a risk to several species already under significant pressure from human activities. This session will share an overview of efforts to overcome some of these challenges, notably those relevant for emerging renewable energy markets.

**Speakers from:**

- Masdar
- European Bank for  
Reconstruction and  
Development
- Asian Development Bank
- Birdlife International



# FOOD, AGRICULTURE AND WATER

SUNDAY, DECEMBER 10

11:00 – 12:00

## Panel – IRENA | Water for hydrogen production

A session examining water consumption throughout the hydrogen production process, the local impact this has, and how it will affect global trends in the sector.

12:00 – 13:00

## Panel: Distributed solar in agriculture

Mitigating livestock emissions through on-site solar projects.

### Speakers from:

- Emerge
- Tanmiah
- Masdar City
- Naqua

13:00 – 13:30

## Ted Talk: Hybrid solutions in agriculture

Agricultural sites are often off-grid. This Ted Talk will focus on the hybrid solutions **Emerge** is providing to support these specific needs.

13:30 – 14:30

## Green Hydrogen: Fertilizing the agricultural revolution

Production and use of nitrogen fertilizers in agriculture accounts for around 5% of global greenhouse gas emissions. Recent studies have found that emissions stemming from the use of fertilizers could be reduced to approximately one-fifth of current levels by 2050 if a variety of interventions are applied. This session examines what these should be.

### Speakers from:

- MGH
- IRENA
- Bölkow-Systemtechnik GmbH
- Atlas Agro

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