



UN Climate Change COP 28
Dubai, United Arab Emirates

Taking Stock of Climate Action on industry and energy: Accelerating Systems Transformations

Concept Note
Marrakech Partnership for Global Climate Action

DATE: 5 December
TIME: 10:00-12:30

**LOCATION: Global Climate Action Hub, located in the Blue Zone,
Action Arena – Al Hur**

Organized by IRENA and WBCSD
on behalf of the energy and industry thematic group partners

Event Content

Category	Information
Description	<p>The shift to renewable energy is essential for keeping global warming within the 1.5-degree threshold. Central to this shift is a challenging but achievable objective: tripling renewable energy capacity and doubling energy efficiency by 2030. This transition must be equitable, ensuring no one is left behind and minimizing social and environmental impacts.</p> <p>The event will delve into significant transformative levers in the energy and industry sectors, aligning with the Energy and Industry 2030 Breakthroughs and the Sharm el Sheik Adaptation Agenda set by the Marrakesh Partnership.</p>
Headline	<p>Tripling renewable energy and doubling energy efficiency by 2030 are key targets under the Paris Agreement, and they are achievable with current technologies. COP28 will spotlight the concerted efforts being made to overcome political and financial challenges in the industry and energy sectors to reach these goals. This focus highlights the practical steps being taken towards a sustainable future using today's resources and innovations.</p>
Outcomes	<p>The event is set to showcase tangible, innovative actions currently underway across various sectors and regions. These initiatives are intended to inspire and drive global climate efforts, steering us towards a renewable energy paradigm that is both equitable and sustainable. The specific outcomes anticipated from the event include:</p> <ul style="list-style-type: none"> • Commitment Meets Action: The event will powerfully demonstrate our shared commitment to tripling renewable energy capacity and doubling energy efficiency by 2030. These are critical goals in addressing the global climate crisis. • Clarifying and Achieving the Path: The event aims to illuminate practical measures to overcome existing barriers and advocate for policy reforms. This approach will hasten our progress towards resilience in energy and climate. It will also reveal the economic benefits inherent in renewable energy, urging stakeholders to capitalize on these opportunities and ensure an inclusive transition. • Introducing Innovative Initiatives: A platform will be provided for the exchange of novel ideas, technological solutions, and new funding mechanisms. This exchange is aimed at accelerating the transition to a net-zero, resilient global industrial system, in line with the Paris Agreement's objectives.

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<p>Progress in Mitigation</p>	<p>The Marrakech Partnership for Global Climate Action (MPGCA) is emphasizing concrete actions aligned with the objectives of the 2030 Breakthroughs and the Sharm el Sheikh Adaptation Agenda. During The event, various Breakthrough initiatives pertinent to these goals will be discussed:</p> <p>For the industry session:</p> <ul style="list-style-type: none"> • Steel Standards Principles: Launching common measurement methodologies for Steel to expedite the industry's transition to near-zero emissions. • Shipping as a Demand Sector for Steel & Hydrogen Breakthroughs: The shipping industry will announce its demand signal for Green Steel, specifying a targeted amount. • Market Signals for Green Hydrogen: The Africa Green Hydrogen Alliance (AGHA) will present a new report on market signals and demand drivers for the Green Hydrogen Market. • Digital Green Action Track: Introduction of the Green Digital Action track to exhibit industry collaboration for digital climate impact. • Pharma CONVERGE Initiative: Key health sector leaders will introduce 'CONVERGE' to align the global pharmaceutical supply chain with the Race to Zero and Sharm el Sheikh Adaptation Agenda Outcomes, focusing on health facilities. • MENA Retail Commitment: A coalition of MENA retail companies will be formed to collaborate on scope 1 & 2 emissions. <p>For the energy session:</p> <ul style="list-style-type: none"> • Utilities for Net Zero Alliance (UNEZA): Focusing on utility companies' critical role in achieving net-zero emissions through innovative policies and renewable energy integration. • Accelerated Partnership for Renewables in Africa (APRA): This transformative collaboration aims to enhance renewable energy infrastructure and investments across Africa, expediting sustainable development. • Alliance For Industry Decarbonisation (AFID): AFID supports a roadmap for transforming industrial sectors with innovative technologies and strategies for carbon reduction, fostering a low-carbon economy. • Global Offshore Wind Alliance (GOWA): GOWA supports collaborative efforts to accelerate offshore wind deployment, aiming to add at least 380 GW of new capacity by 2030, addressing the challenges of offshore wind deployment. • IRENA Renewable Energy Accelerator Programme for Youth (NewGen): This program empowers young leaders with skills and opportunities to contribute to the renewable energy sector's growth.

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<p>Progress in Adaptation</p>	<p>Adaptation strategies within energy systems, particularly on a global scale, have been less quantified in comparison to mitigation efforts. The outcomes of the Sharm el Sheikh adaptation agenda are expected to concentrate on enhancing the resilience of energy infrastructure. This focus is especially pertinent for developing nations, which are more vulnerable to the impacts of climate change.</p> <p>The Action Event will highlight several key breakthroughs:</p> <ul style="list-style-type: none"> • Clean Cooking Access in the Global South: The potential introduction of a 2030 clean cooking Breakthrough for Africa by the EU and IEA in partnership with CCA at COP28, updating the existing 2030 clean cooking initiative. • Just Energy Transitions Collaborative Framework (JETCo): The official launch of the JETCo Framework and the announcement of at least one pilot project per region during COP28, demonstrating practical applications of the framework. • Responsible Mining of Critical Minerals in Africa: A call to action for an African state-owned mining enterprise to undertake an IRMA responsible mining audit at a critical mineral site. This commitment will encompass community engagement and capacity building guided by IRMA principles. IRMA to launch this initiative with a declaration of intent.
<p>Progress in Means of Implementation</p>	<p>The financing for renewable energy projects is on an upward trajectory, with an increasing amount of support from multilateral institutions. This indicates a growing recognition of the importance of renewable energy in the global energy mix. While there have been efforts in capacity building within this sector, there still exists significant potential for further development and enhancement. However, the issue of technology transfer remains complex, often impeded by challenges such as intellectual property rights and various other barriers. This complexity underscores the need for more nuanced approaches to facilitate the sharing of renewable energy technologies on a global scale.</p>
<p>Barriers and enablers</p>	<p>The sectors face significant barriers, including a lack of funding and inadequate infrastructures, which hinder progress. Policy roadblocks or perverse disincentives can also stymie development. A shortage of skilled labour and insufficient institutional capacities are notable challenges. Additionally, the potential adverse impacts of transition on societies, if not managed well, can create resistance, and slow down the shift towards more sustainable energy and industrial practices.</p> <p>Key enablers in the energy and industrial sectors include establishing robust standards, especially in areas like building and construction, which drive energy efficiency and sustainability. The demand from both consumers and industries</p>

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	<p>for renewable energy and sustainable products is a crucial driver. Additionally, the development of sustainable and resilient supply chains, coupled with effective public-private partnerships, fosters innovation and encourages investment. These efforts are further augmented by international cooperation, which includes increased funding, strategic use of public funds to leverage private investment, the development of a skilled workforce, and proactive management of the transition to ensure it is equitable and just.</p>
<p>Contribution to Global Stocktake outcomes</p>	<p>The event is designed to offer insights from a diverse range of stakeholders regarding current achievements and forward-looking strategies. It aims to contribute significantly to the Global Stocktake, providing data and actionable plans, especially through the following activities:</p> <ul style="list-style-type: none"> • Highlighting case studies of industry and energy sector entities that are actively progressing towards net-zero emissions. • Detailing essential actions required in industrial systems, which will guide the development of the next set of Nationally Determined Contributions (NDCs) in preparation for COP30 in 2025. • Concentrating on the concept of a just transition, showcasing successful strategies and initiatives that balance environmental goals with socio-economic considerations.
<p>Key Messages</p>	<ul style="list-style-type: none"> • Achieving resilient pathways in line with a 1.5-degree goal for the energy and industry sectors is possible, but urgent action is required. Key steps include significantly increasing energy efficiency and tripling the deployment of renewable energy by 2030. • Pioneering organizations are already making notable progress in sustainable practices and influencing their supply chains to follow suit. • It's vital to integrate mitigation and adaptation strategies to enhance supply chain resilience and effectively address the present and upcoming challenges of climate change. These strategies will also foster job creation, social equity, and economic stability. • The transition from fossil fuels involves overcoming systemic challenges, including infrastructural and policy legacies. Emphasizing a shift towards renewable energy as a fundamental aspect of our economies and societies is essential. • The upcoming phase involves concerted advocacy for legislative reforms and support for a just transition. • Collaborative efforts among various stakeholders, including governments, businesses, financial institutions, consumers, and civil society, are crucial for driving the necessary systemic changes. This multi-stakeholder approach will ensure the achievement of net-zero goals and build resilience in industrial and energy sectors, leaving no one behind.



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Participants	<p>Efforts will be made to engage the following groups to either speak, attend, or receive a report on the outcomes of the event:</p> <ul style="list-style-type: none"> • Government Officials: These include national and local government representatives who play a role in developing energy policies and regulations. • Multilateral Organizations: This group encompasses representatives from entities like the United Nations and World Bank, focusing on climate change, renewable energy, and sustainable development. • Industry Leaders: CEOs and CSOs from the energy sector, particularly in renewable energy technologies, and leaders from key industrial sectors such as cement or steel. • NGOs and Civil Society: This category includes organizations and advocates specializing in climate change, renewable energy, climate resilience and adaptation, and social justice, incorporating youth and indigenous voices. • Academic Researchers: Scholars and researchers with expertise in climate science, renewable energy technologies, and policy development.

Event Agenda

Time	Title	Description	Speakers
10:00 - 10:05 (5 min)	Welcome & Introduction	An introduction to the event, setting the stage with an overview of the energy and industry nexus.	Ms. Rana Adib, Executive Director, REN21
10:05 - 10:10 (5 min)	Opening Keynote	The opening keynote shed light on the considerable progress in the industry and energy sectors following COP27. It will also examine the essential factors propelling future advancements.	Ms. Jitsai Santaputra, Co-Founder, Youth for Energy Southeast Asia (Y4E-SEA)
10:10 - 10:12 (2 min)	Overrun and Segue		
Session 1: Transformative Industry Levers			
10:12 - 10:32 (20 min)	Industry Panel 1 - Harmonising standards and unlocking new demand for steel and hydrogen	This panel discusses the progress on new common measurement methodologies and demand signals for steel and green hydrogen, to accelerate industry transitions towards 2030 tipping points.	<p><i>Moderator: Ms. Jennie Dodson, Senior Director, WBCSD</i></p> <p>Ms. Nicola Davidson, VP of Sustainability at ArcelorMittal, will highlight the launch of the steel standards principles.</p> <p>Ms. Rabab Raafat Boulos, Chief Infrastructure Officer at Maersk, will address the shipping demands in the steel industry.</p> <p>Mr. Kgosientsho Ramokgopa, Minister of Electricity of the Republic of South Africa, will discuss the green hydrogen market signal in the Africa region.</p>

Time	Title	Description	Speakers
10:32 - 10:34 (2 min)	Overrun and Segue		
10:34 - 10:44 (10 min)	Fireside chat Industry - Finance on public/private industry transition finance, focus on cement	This conversation focuses on public and private industry transition finance, particularly in the cement industry.	Ms. Eunice Heath, Senior Vice-President, and Chief Sustainability Officer, CRH Interviewer: Ms. Annika Brower, Net zero asset managers alliance, Ninety One
10:44 - 10:46 (2 min)	Overrun and Segue		
10:46 - 11:06 (20 min)	Industry Panel 2 - Industry leading action on energy efficiency, renewables deployment and resilience.	This panel discusses industry-leading actions on energy efficiency, renewables deployment, and resilience, including digital green action tracks and sustainability pledges.	<i>Moderator: Dr Rabia Ferroukhi, Director, INETT</i> Ms. Gabrielle Giner, Head of Environmental Sustainability at BT, will represent the digital green action track. Mr. James Connelly, CEO of My Green Lab, will discuss the CONVERGE initiative. Mr. Hani Weiss, Chief Executive Officer at Majid Al Futtaim Retail, will announce the retail pledge.
11:06 - 11:08 (2 min)	Overrun and Segue		

Time	Title	Description	Speakers
Session 2: Groundbreaking energy solutions			
11:08 - 11:13 (5 min)	Scene-setter: World Energy Transitions Outlook 2023: 1.5°C Pathway	This introductory speech explores the transformative strategies for tripling renewable energy deployment and doubling energy efficiency by 2030 based on IRENA's 1.5°C Scenario and the Smart Electrification 2030 Breakthrough, focusing on innovative pathways for accelerating electrification.	Ms. Elizabeth Press, Director of Planning and Programme Support, IRENA
11:13 - 11:18 (5 min)	Tripling Renewables, Doubling Efficiency: Business as a Catalyst for Change	This intervention highlights how businesses can contribute to tripling renewable energy capacity and doubling energy efficiency, underlining their dual role in environmental stewardship, and capitalizing on market opportunities.	Mr. Bruce Douglas, CEO, Global Renewables Alliance
11:18 - 11:20 (2 min)	Overrun and Segue		
Groundbreaking Initiatives: Real-World Solutions for a Sustainable Future			
<i>Moderator: Ms. Elizabeth Press, Director of Planning and Programme Support, IRENA</i>			
11:20 - 11:29 (9 min)	UN High-Level Climate Champion remarks	These remarks will emphasise the critical importance of multi-sectoral collaboration in accelerating the energy transition and focusing on the implementation of innovative climate action strategies.	H.E. Razan Al Mubarak, UN High-Level Climate Champion for COP28
11:29 - 11:38 (9 min)	Utilities for Net Zero Alliance (UNEZA)	This new initiative focusing on utility companies' pivotal role in achieving net-zero emissions through innovative policies and renewable energy integration.	Mr. Jasim Husain Thabet, Group Chief Executive Officer, and Managing Director, TAQA Mr. Francesco La Camera,

Time	Title	Description	Speakers
			Director General, IRENA H.E. Razan Al Mubarak, UN High-Level Climate Champion for COP28
11:38 - 11:44 (6 min)	Accelerated Partnership for Renewables in Africa (APRA)	This initiative is a transformative collaboration aimed at boosting renewable energy infrastructure and investments across the African continent to fast-track sustainable development.	Hon. Kandeh Yumkella, Chairman - Presidential Initiative on Climate Change, Renewable Energy & Food Security, Sierra Leone (TBC)
11:44 - 11:49 (5 min)	Alliance For Industry Decarbonisation (AFID)	This alliance supports a roadmap for transforming industrial sectors through innovative technologies and strategies for carbon reduction, fostering a competitive, low-carbon economy.	Ms. Nadja Haakansson, Managing Director of Africa for Siemens Energy
11:49 - 11:54 (5 min)	IRENA Renewable Energy Accelerator Programme for Youth (NewGen)	This youth programme empowers the next generation of leaders with the skills and opportunities to contribute to the renewable energy sector's growth.	Ms. Arshi Zaveri, Founder and CEO, Oxygenate
11:54 - 11:59 (5 min)	The Global Offshore Wind Alliance (GOWA)	The alliance works to coordinate collaborative efforts aimed at accelerating the deployment of offshore wind with the ambitious objective of adding at least 380 GW of new offshore wind capacity by 2030.	Mr. Tomas Anker Christensen, Climate Ambassador of Denmark
11:59 - 12:01 (2 min)	Overrun and Segue		

Time	Title	Description	Speakers
12:01 - 12:13 (12 min)	Fireside chat Energy - Investing in adaptation and resilience in the energy sector	This conversation will address the significance of strategic investment in strengthening the energy sector's adaptability to climate change. It will consider the contributions of institutional investors to the development of a sustainable energy infrastructure.	Mr. Chris Dodwell, Head of Policy and Advocacy at Impax Asset Management Interviewer: Ms. Eduarda Zoghby, Development Officer, RMI and Senior Advisor, Student Energy
12:13 - 12:18 (5 min)	Overrun and Segue		
Session 3: Closing Nexus			
<i>Moderator: Mr. Rayne Sullivan, Co-Chair Youth Policy Advisory Council, Sustainable Ocean Alliance</i>			
12:18 - 12:23 (5 min)	Just Energy Transitions Collaborative Framework (JETCo)	The session will be focusing on the launch of the Just Energy Transitions Collaborative Framework (JETCo) - a groundbreaking framework that brings together non-party stakeholders to drive equitable and sustainable energy transitions in local communities.	Natural Resource Governance Institute (NRGI) (TBC)
12:23 - 12:28 (5 min)	Responsible mining: Indigenous solutions to energy and industry transition	This session will feature a call to action for a state-owned mining enterprise to undergo a responsible mining IRMA audit at a critical minerals site in Africa.	Ms. Kristi Disney Bruckner, Law & Policy Director, IRMA
12:28 - 12:30 (2 min)	Closing Remarks	The closing remarks will aim at illuminating the substantial progress achieved in the industry and energy sectors at COP 28, while also delving into the pivotal factors driving future advancements.	Ms. Rana Adib, Executive Director, REN21