

20-23 **FEBRUARY** 2023

RENEWABLES FOR PEOPLE

RECINTO FERIAL DE IFEMA MADRID











PROGRAMME AT A GLANCE

MONDAY FEBRUARY 20

08:30-9:30	Registration opens								
	AUDITORIUM (Rooms N103+N104)								
09:30-10:00									
10:00-10:30									
10:30-11:00									
	OPENING CEREMONY + HIGH LEVEL PANEL								
11:00-11:30	Renewable Energy, the Solution for Net-zero, sustainable Development, energy security and sovereignty - 2050 roadmaps start now!								
11:30-12:00	(9:30 - 12:30)								
12:00-12:30									
12:30-14:00		Lunch B	reak (12:30 - 14:	00)					
	Room N101	Room N102	Room N106	Room N105	Room N117				
14:00-14:30	our Energy Supply:	2A - Renewables	3A - Local Value Creation: Building	renewables	5A - Beyond Technology: Using Social and Policy				
14:30-15:00	Renewables, energy security and geopolitics	for Industry	inclusive economies	solve energy poverty?	Innovation to Accelerate the Shift to				
15:00-15:30					Renewables				
15:30-16:00		Breal	k (15:30 - 16:00)						
16:00-16:30 16:30-17:00 17:00-17:30	1B - Beyond Market Reform: Strengthening Supply Chains to Scale Up the Renewables Sector	2B - Renewables for Agriculture	3B - The Renewables Transition: Turning Crises into Economic Opportunities	4B - Changing Energy Governance: Communities and cities shifting to renewables	5B - Disrupting the Fossil Fuel Reality: Using innovation to shift to renewables				
			M (Rooms N103+						
17:30-18:00			Perspectives (17:						
	Room N101	Room N102	Room N114	Room N105	Room N117	Room N115			
18:00-18:30		Empowering Lives and Livelihoods: Renewables for Adaptation USD 1-Billion		The Role of Bioenergy in	Lessons Learned in Rapid	Enabling Regulatory Mechanisms			
18:30-19:00		Financing Facility to Reinforce Resilience in Agri-Food and Health Value Chains with	Community Power Needs World Wind Energy Association (WWEA)	Spain and Beyond World Bioenergy Association	Decarbonization of Power Sectors National Renewable Energy	for Seamless Integration of RE in Transport SLOCAT / World			
19:00-19:30		Renewable Energy (A COP28 Initiative) United Arab Emirates (UAE)	- (WWLK)	(WBA)	Laboratory (NREL)	Resources Institute (WRI)			















PROGRAMME AT A GLANCE

TUESDAY FEBRUARY 21

				OKOAKI ZI				
08:30-9:30	Registration opens							
	AUDITORIUM (Rooms N103+N104)							
09:30-10:00	Renewable energy for social and economic development for all							
10:00-10:30	(9:30 - 10:30)							
10:30-11:00	D	Break (10:30 - 11:00)						
	Room N101	Room N102	Room N106	Room N105	Room N117 5C -			
11:00-11:30	1C - Ramping up Renewable Energy	2C -	3C - The New Rules of	4C - Renewables Leading the	Consumer Trends in Goods and Services			
11:30-12:00	Deployment: The indispensable	Renewables for Transport	Renewable Energy Supply Chains	Transition: Just, equitable, distributed, inclusive	Markets: Building strategically			
12:00-12:30	building block				on ESG to accelerate renewables			
12:30-14:00			Lunch Br	eak (12:30 - 14:0	0)			
14:00-14:30	1D - Grids and Infrastructure: The backbone	2D - Renewables	3D - Mind the Gap: Job offers and	4D - Engaging Citizens from	5D - Digitalisation to Speed up			
15:00-15:30	of renewable energy systems	for Buildings	skilling	the bottom-up	the Energy Transition			
15:30-16:00								
16:00-16:30	Room N101	Room N102	Room N106	Room N105	Room N117	Room N114	Room N115	
16:30-17:00	Good practices in ecological and socio- economic integration	100% Renewable Cities and Regions: Argentina,	Renewable Energy to achieve universal	The critical role of Marine Energy in the sustainable energy transition	Australia: A successful integration of substantial and increasing	Gender Equality: A critical pathway for a sustainable and inclusive	Mobilisation of Finance to Achieve SDG7 in Africa - Launch of the 2022 AEEP Report	
17:00-17:30	of energy initiatives Global Solar Council (GSC) / Spanish PV Association (UNEF)	Indonesia and Kenya ICLEI - Local Governments for Sustainability	access to energy Mesa para el Acceso Universal a la Energía	ara international eso standards and lala certification	levels of variable renewable energy Clean Energy Council (CEC)	energy transition United Nations Development Programme (UNDP)	on Financial Flows African- European Energy Partnership (AEEP)	
	AUDITORIUM (Rooms N103+N104)							
17:30-18:00			<u> </u>	Perspectives (17:				
	Room N101	Room N102	Room N106	Room N105	Room N117			
18:00-18:30			Faster and further with HEAT PUMPS: decarbonizing	Alliance for a Just Energy Transformation (AJET) – A	How to Scale Minigrids			
18:30-19:00	Vientos de futuro: el diálogo para el desarrollo inclusivo de la	Mesa de diálogo del Cambio Climático y Energía: La experiencia de	heating, cooling and hot water European Heat Pump Association	collaborative discussion on shaping the Alliance's strategy and its	and Score a Climate Win- Win Africa Minigrid			
19:00-19:30	eólica Vientos de Futuro	' Navarra Mediación Navarra	(EHPA) / Air Conditioning Equipment Manufacturers Association (AFEC)	implementation World Wildlife Fund (WWF) / United Nations Development Programme (UNDP)	Developers Association (AMDA) / Husk			
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PROGRAMME AT A GLANCE

WEDNESDAY FEBRUARY 22

THURSDAY **FEBRUARY 23**

08:30-9:30								
09:30-10:00	Ene							
10:00-10:30								
10:30-11:00								
	Room N101	Room N102		Room N105	Room N114			
11:00-11:30				Technology pathways for				
11:30-12:00	¿Las ciudades hacen su parte? Greenpeace,	the Global Landscape of Renewable		decarbonization of energy intensive	Stakeholders' Role in the Electricity Grid			
12:00-12:30	Ecologistas en Acción, WWF España, Amigos de la Tierra, SEO/BirdLife	Energy Finance 2023 International Renewable Energy Agency (IRENA)		industries United Nations Industrial Development Organization (UNIDO)	Infrastructure Planning Renewables Grid Initiative (RGI)			
12:30-14:00	Lunch Break (12:30 - 14:00)							
	Room N101	Room N102	Room N106	Room N105	Room N117			
14:00-14:30	1E - Building Energy Resilience:	2E - Electricity,		4E - Stopping the Exodus:	5E - End-of-			
14:30-15:00	Large centralised vs. distributed	Hydrogen and Low Thermal: The Interplay	of SMEs: Driving change outside globalised market	Renewables Can	life: Circularity	Site visits		
15:00-15:30	systems			reopte Stay				
15:30-16:00			eak (15:30 - 16:00	0)				
16:00-16:30	AUDITORIUM (Rooms N103+N104)							
16:30-17:00	Closing Ceremony: Continuous acceleration to be 2050-ready							
17:00-17:30								
17:30-18:00								
18:00-18:30								
18:30-19:00								
19:00-19:30								















TRACK INFORMATION

Track 1: Stable Energy Supply, Energy Security and Sovereignty with Renewables

A stable energy supply is critical for economies, societies and security. The COVID-19 pandemic has revealed systemic weaknesses in the fossil fuel-based order and exposed the fragility of global and regional supply chains. Renewable energy reduces vulnerability to fluctuating and rising fossil fuel prices and guarantees a secure, reliable and resilient energy supply. This track addresses the foundations necessary to build a stable new energy order around renewables: securing energy supply and the supply of materials and technology; developing infrastructure; and strengthening global, regional and local supply chains.

1A: Rethinking Our Energy Supply: Renewables, Energy Security and Geopolitics

Renewables are crucial to overcome the fossil fuel crisis and enhance energy security in both the short and longer terms. Energy importers will be able to meet higher shares of their own demand, and some may even become exporters. Yet, shifting to renewables is not just a fuel switch but requires deep structural transformation across all parts of the economy. This session will showcase how renewable energy can reshape strategic realities and policy considerations. It will also address the changes that the development and use of renewables can bring to energy geopolitics.

1B: Beyond Market Reform: Strengthening Supply Chains to Scale Up the Renewables Sector

With even industry leaders reporting eye-watering losses due to soaring prices and disruptions in the supply chain, the COVID-19 pandemic has revealed the criticality of dependencies in technology and manufacturing. For renewables to become the backbone of our global energy system, we need to not only ramp up generation capacity and develop grid infrastructure, but also build up full industrial value chains and innovate. The session will explore needs and strategies to escape the current supply chain paralysis. (Note: this session focuses on manufacturing, while session 3.C focuses on the new rulebook as regards restrictions for materials, rare minerals and land use, and session 5.E on the circularity of materials.)

1C: Ramping Up Renewable Energy Deployment: The Indispensable Building Block

To stay below 1.5 degrees global warming, the world's economies must increase the speed of renewable energy uptake by the factor six, both through accelerated electrification of transport and heat, and more direct use of renewables. The aim of the session is to think boldly about how to lead transformative change and to discuss the radical measures needed for renewables to unleash investments, provide the bulk of the world's energy needs by the end of the decade, and ultimately, change the current trajectory towards a dystopian future.

1D: Grids and Infrastructure: The Backbone of Renewable Energy Systems

In many regions there is still reluctance to move away from fossil fuels, fearing that the variable nature of wind and solar generation will cause problems for regional energy supplies. This session will show that achieving grids with high renewable energy shares (even 100%) are possible and discuss the parameters needed to facilitate these high shares in both distribution and high-voltage grids, from the perspective of grid operators and users. It will also explore the diverse challenges in making power grids fit for renewables – such as complex, multi-level approval systems (United States), problems siting transmission lines (Germany), barriers to investment (Vietnam), costly and lengthy procedures for connecting projects to the grid, i.e., offshore and onshore wind power (globally), and the role of storage.















1E: Building Energy Resilience: Large Centralised vs. Distributed Systems

The DNA of renewables – their global availability and decentralised nature – can increase the resilience of energy systems. Renewables can improve technical resilience to the impacts of climate change, ensure sufficient access to stable energy sources (e.g., avoiding blackouts and brownouts) and provide flexibility. This session will challenge conventional concepts such as the need for and superiority of centralised baseload power stations and the supposed lack of reliability of systems based on variable renewable energy. (Note: economic and social resilience is covered in Track 3.)

Track 2: Renewables: Meeting Energy Demand in All Sectors

The demand for renewable energy is increasing. Energy is consumed across a diversity of economic sectors, including buildings, industry, transport and agriculture. Decision makers and decision-making processes in these "non-energy" sectors are crucial to accelerating the transition to renewables. Stronger integration is necessary: renewable energy planning and decision processes on the supply side must go hand in hand with those in the energy-consuming sectors. Meeting the diversity of energy demands also requires making choices about the type of fuel – whether renewable power, thermal energy, or renewable-based fuels such as biofuels, green hydrogen, ammonia and synthetic fuels.

2A: Renewables for Industry

Industry is responsible for roughly one-third of the world's final energy consumption. Industry is a crucial end-use sector that must be engaged to achieve high shares of renewables to drive the energy transition. It is also facing serious challenges related to energy security and rising energy costs. Renewable energy, in its different forms, is a solution to these challenges. This session will showcase pioneering solutions for industries with different needs, explore the relationship between energy and industrial policies, and look at what needs to happen to mainstream renewable energy solutions in industry, ranging from small to large scale.

2B: Renewables for Agriculture

The agriculture sector is a key economic sector and an important driver of socio-economic development. Access to reliable and affordable energy is vital to enable growth in the sector, as energy helps to increase yields, add value, reduce losses and improve market access. This session will examine how to meet growing renewable energy needs in agriculture – including for machinery, irrigation, heating and cooling, fertilizer, etc. – in an inclusive manner and discuss key actions to scale up renewables. It will also showcase innovative solutions for the mixed use of land for farming and renewables.

2C: Renewables for Transport

Transport contributes around one-quarter of all energy-related carbon dioxide emissions. Stronger action on renewable energy (e.g. electricity, e-methane, green hydrogen) must be part of a systemic approach to decarbonising passenger and freight transport, ranging from urban transport to rail and shipping. This session will examine developments in the different transport sub-sectors, focusing on road transport, responsible for 80% of the sector's ${\rm CO}_2$ emissions, and will explore how governmental and non-governmental actors can work together more effectively.

2D: Renewables for Buildings

A key pillar to achieving decarbonisation is integrating renewable energy sources into buildings and their direct surroundings. Various policies and renewable technologies can reduce demand and provide many, if not all, of the energy needs of individual buildings and small communities. Co-benefits can include improvements in the indoor climate, reductions in energy poverty and an increase in quality jobs. Based on practical examples and varying perspectives, this session will explore the interface between renewable energy, architecture,















building materials and identify levers to accelerate the uptake of renewables in the buildings sector, including cultural, regulatory, technology and financial aspects (Note: this session has a strong connection to session 4.D, which features urban planning.)

2E: Electricity, Hydrogen and Low Thermal: The Interplay

The science in the latest report from the Intergovernmental Panel on Climate Change is crystal clear: speculative technological fixes (carbon capture and storage, hydrogen) are no substitute for real efforts to eliminate fossil fuel use. Only systemic transformations and scaling up both energy savings and all renewable energy carriers can secure a safe, healthy and liveable planet. In this session, different renewable energy representatives will "pitch" their solutions, and a Danish case study will illustrate the interplay among these energy carriers

Track 3: Seize the Opportunity: Building a New Economy with Renewables

Renewable energy has the potential to build value chains and stimulate local economic development. Renewables create jobs throughout the energy value chain, from materials extraction and processes, to manufacturing, installation and maintenance. Renewables also provide secure and reliable energy to "power" economic activities across all sectors. But, we need to massively scale up renewables, which requires significant industrial development, building up manufacturing and the skilling of people. To fully seize the economic opportunities associated with renewables, their development needs to move to the centre of economic, industrial, and trade strategies and policies. This track explores the necessary industrial developments, how to ensure local and equitable value creation, and the rules that need to be changed.

3A: Local Value Creation: Building Inclusive Economies

The economic rationale of renewable energy is a key incentive for local communities to become involved in the energy transition. Substituting imported fossil fuels or final energy with renewables creates opportunities for employment and economic development. This session will demonstrate how renewables can create local value and explore new approaches to ensure that this value creation is not limited to select parts of the community or economic sectors.

3B: The Renewables Transition: Turning Crises into Economic Opportunities

The current global crises – energy, climate– can be used as a turning point towards a cleaner and more secure future based on renewables. Affordable, stable access to energy supply has become a locational advantage in attracting industries. This session will explore the different types of economy-wide opportunities that come with renewables –from export to local development– and how these can be ramped up.

3C: The New Rules of Renewable Energy Supply Chains

With the world's insatiable hunger for ever more energy, the renewable energy sector must think long and hard about strategies to overcome potential limitations in its supply chains. Constraints include competition for land use, rare minerals and natural resources, human rights as well as trade rules that may impede the use of local content and development of local and regional supply chains. This session will identify risks and impacts to the sector's operations, the hazards of commodity dependence and discuss how to change the "rules of the game".















3D: Mind the Gap: Job Offers and Skilling

As many as 10.3 million jobs in energy efficiency and renewables could be created globally by 2030. This means that a successful shift to renewable energy requires a massive expansion of the skilled workforce in electrical engineering, heating and cooling technology, energy advice, computer science, and supporting services such as business management and community relations. At the same time, youth unemployment remains high, especially in many developing countries. How do we train and skill this workforce at the scale and speed needed? What innovative approaches and alliances could be formed to overcome the gaps and turn the renewable energy transition into a massive engine for skilling and job creation?

3E: The Case of SMEs: Driving Change Outside Globalised Markets

Start-ups and small and medium-sized enterprises (SMEs) play key roles in innovation and bringing renewable energy technologies to market. These organisations have knowledge of local markets and can participate in particular in small equipment manufacturing activities, installation, civil works, retail and maintenance. This session will explore how the growth of renewables can catalyse new entrepreneurial ecosystems. It will highlight opportunities for SMEs, their importance in local value creation and how they can/should be supported.

Track 4: People at the Centre: Renewables at the Heart of Society

People can benefit massively from renewable energy everywhere. Renewables not only provide the energy we need, ensure energy access, and create a healthy environment, they also offer the opportunity to create jobs and economic opportunities and build a fairer, more inclusive society. With the right regulatory framework, the decentralised nature of renewable energy enables diverse players – including citizens, cities and regions – to engage actively in the energy game and produce their own energy. Yet, in some parts of society, the development of renewables can be seen as threatening. This track will address how to inspire and ensure the necessary trust to make the energy transition "work" for all. It will also explore how players from government, industry and civil society can work together to reach this goal.

4A: Can Renewables Solve Energy Poverty?

Energy poverty can be found in all conditions where there is a lack of – or difficulty in affording – adequate, reliable, quality, safe and environmentally sound energy services. The current energy crisis exacerbates these injustices. This session will discuss the repercussions of the energy crisis on the most vulnerable populations and provide evidence on how renewable energy solutions contribute to eliminating (energy) poverty.

4B: Changing Energy Governance: Communities and Cities Shifting to Renewables

Local communities and cities play a central role in the energy transition by shaping urban infrastructure planning, traffic regulations, social housing, street lighting, etc. However, they are often constrained by a lack of money and human resources, and they encounter numerous structural barriers such as a lack of power, conflicting national legislation, litigation by fossil fuel interests, citizens' priorities etc. This session will showcase good and bad practice examples, discuss how to overcome governance barriers, and formulate concrete demands on how to bring citizens into the centre of the decision-making process.

4C: Renewables leading the transition: Just, Equitable, Distributed, Inclusive

Putting a rapid end to the fossil fuel era offers unprecedented opportunities to create just, equitable, distributed and inclusive economies. Based on visionary approaches and concrete examples, this session will call out the abuses and identify critical factors, potential pitfalls and scalable solutions to make sure that the renewables transition delivers.















4D: Engaging Citizens from the Bottom-Up

Citizen engagement is central to integrating renewable energy across our economies and society. Putting people at the centre can help overcome even the most radical opposition to the implementation and use of renewables. It helps ensure that citizens benefit concretely from renewable energy projects – financially, morally and beyond the energy service itself.

4E: Stopping the Exodus: How Renewables Can Make People Stay

Rural migration to urban locations is a constant almost everywhere in the world. As people move to cities, life in rural communities becomes harder. There are fewer and fewer jobs, declines in infrastructure development, and reductions in access to critical services such as health care and education. This session will show how renewables can bring back dignity and quality of life to rural and indigenous communities and motivate (especially) younger generations to stay. It will also identify ways to create the necessary ecosystem of technology, financing, policies and engagement.

Track 5: Innovation to Fast-Track and Scale Up Renewables

Business as usual cannot continue. Renewable energy deployment must be massively scaled up, and the shift to renewables needs to be accelerated before 2030. Technological innovation is not the silver bullet. We urgently need changes in thinking, business models and creative solutions to create a disruptive environment that allows for structural transformation and the rapid scale-up that is required. The sessions in this track reflect the need to think outside the box and to democratise innovation, with a focus on new market players, approaches and leadership.

5A: Beyond Technology: Using Social and Policy Innovation to Accelerate the Shift to Renewables

Social innovation and policy innovation must be paired with technological innovation to ensure the deep structural transformation needed. Social innovation can support increased energy democracy and citizen participation and develop innovative approaches to increase the uptake of renewables. This session will explore how innovation can create a supportive environment and build social acceptance of renewable energy. It will also examine how policies can foster such solutions.

5B: Disrupting the Fossil Fuel Reality: Using Innovation to Shift to Renewables

Continued innovation in renewables is not guaranteed. Push and pull are needed including through policy support, development of incubators and accelerators, etc. This session will showcase successful strategies to foster game-changing innovation and how to scale this innovation up to market maturity via practitioners, such as renewable energy start-ups, scientists and intergovernmental organisations.

5C: Consumer Trends in Goods and Services Markets: Building Strategically on ESG to Accelerate Renewables

A global build-out of renewables at the scale required will have major impacts across sectors, society and the natural world. Using environmental and social governance (ESG) can help the energy sector and investors understand the positive and negative impacts associated with renewable energy investments. This session will explore how financing institutions and businesses can strategically build on ESG to accelerate the deployment of renewables, creating value-added and ensuring social acceptance.















5D: Digitalisation to Speed the Energy Transition

Digitalisation is improving the safety, productivity, accessibility and sustainability of energy systems. It can help integrate variable renewables by enabling grids to better match energy demand. Storage and digitally enabled demand response can reduce curtailment. Blockchain allows consumers to order electricity directly from a neighbour's solar PV installation. This session will explore different aspects of digitalisation – from artificial intelligence to the Internet of Things, to blockchain – in the renewable energy value chain and how these cancontribute to accelerating the uptake of renewables.

5E: End-of-Life: Circularity in Renewables

Circularity in renewable energy materials is key to minimise resource use and embedded carbon while growing the sector. It is also a building block to greater self-sufficiency and supports the development of supply chains. This session will highlight promising approaches to increase the reuse and recycling of materials for and from renewable energy technologies to inspire wide-scale implementation and innovations.

















20 FEBRUARY 2023

08:30 - 09:30

Registration opens

09:30 - 11:00 AUDITORIUM (Rooms N103+N104)

OPENING CEREMONY

Event Driver: Lorenzo Milá

09:30 - 09:45 Official opening

PEDRO SÁNCHEZ

Prime Minister of the Government of Spain

09:45 - 09:50 Welcome address speech

ARTHOUROS ZERVOS

President of REN21

09:50 – 10:45 High Level Discussion: Renewable Energies to Navigate through the World of the Polycrisis: Walking the Talk on our Path to 2030

Moderator: Cristina Monge. political scientist and expert in governance for ecological transition

FRANCESCO LA CAMERA

Director General of IRENA

KADRI SIMSON

Commissioner for Energy of the European Commission

TERESA RIBERA

Deputy Prime Minister for the Ecological Transition and Demographic Challenge of Spain

10:50 - 11:00 Show cultural















11:00 - 12:30 AUDITORIUM (Rooms N103+N104)

MINISTERIAL AND HIGH LEVEL DISCUSSION

11:00 - 11:45 Roundtable Energy Security: Opportunities and Challenges for a genuine Energy Union – the Energy pillar of the EU's Open Strategic Autonomy

Moderator: **Teresa Ribera**, Deputy Prime Minister for the Ecological Transition and Demographic Challenge of Spain

Keynote speaking (video): Mariana Mazzucato, Professor in the Economics of Innovation and Public Value at University College London

ROB JETTEN

Minister of Energy of Netherlands

VIRGIL-DANIEL POPESCU

Minister of Energy of Romania

ANA GOUVEIA

Secretary of State of Energy of Portugal

HENRIK ANDERSEN

CEO of VESTAS

11:45h - 12:30 Roundtable Net-zero

Moderator: Sara Aagesen, Secretary of State of Energy, Ministry for the Ecological Transition and Demographic Challenge of Spain

Keynote speaking

REN JINGDONG

Vice Administrator of National Energy Administration of China

MARÍA NEIRA

Director, Public Health and the Environment Department, World Health Organisation

MOHAMED BENYAHYIA

Secretary General of the Ministry for the Energy Transition and Sustainable Development of Morocco

HEIKE HENN

Director Energy, Climate and Environment at the German Federal Ministry of Economic Cooperation and Development

PAUL HEITHERSAY

Chief Executive of the Department for Energy and Mining, Government of South Australia















12:30 - 14:00 Lunch Break

14:00 - 15:30 ROOM N101

1A: Rethinking our Energy Supply:

Renewables, energy security and geopolitics

Moderator: Joan Groizard, IDAE

MARGALITA ARABIDZE

Ministry of Economy and Sustainable - Georgia

TOMAS KABERGER

Chalmers University of Technology in Göteborg

GRACE KARANJA

Environment, Energy Natural Resources and Climate Change

ANNA SHPITSBERG

Energy Transformation. U.S. Department of State

RAFAEL MATEO

Acciona Energía

14:00 - 15:30 ROOM N102

2A: Renewables for Industry

Moderator: **Sabine Froning.** Communication Works – Froning, Reise GmbH

ISKANDER BURANOV

Business Initiatives, CIS, Renewables Business Unit, Larsen & Toubro Construction

ANTONIO LÓPEZ-NICOLÁS BAZA

Renewables and Energy System Integration, European Commission

GOKCE METE

Hydrogen & Industry Decarbonization, Global Hydrogen Stakeholder Platform

PALOMA SEVILLA

AELEC

ALEXANDRA TUDOROIU-LAKAVIČĖ

Cogen Europe

DAVID TREBOLLE

Protermosolar

ALI ZEROUALI

Moroccan Agency for Sustainable Energy (MASEN)















3A: Local Value Creation: Building inclusive economies

Moderator: Wangari Muchiri. Global Wind Energy Council

VANESA MARTOS POZO

ECOWAS Centre For Renewable Energy And Energy Efficiency

ALI ZEROUALI

Moroccan Agency for Sustainable Energy (MASEN)

LAURA MARTIN MURILLO

Just Transition Institute

MARÍA PRADO

Greenpeace Spain

JAD BABA

RFN21

14:00 - 15:30 ROOM N105

4A: Can renewables solve energy poverty?

Moderator: **Ewah Eleri.** International Centre for Energy, Environment & Development Nigeria

ANA ROVZAR

RES4Africa Foundation

PILAR SEVILLA

Energías sin Fronteras Foundation

GURBUZ GONUL

IRENA

RAFAEL SOLIS

EDP Renewables















 5A: Beyond Technology: Using social innovation to accelerate the shift to renewables

Moderator: Laura Williamson. REN21

DAMARIS AGWEYU

Women for Environment Africa

XAVIER GARCIA-CASALS

IRENA's Knowledge Policy and Finance Centre

BERND RIEDEL

Ellery Studio

TSHERING TOBGAY

People's Democratic Party in Bhutan

MICHELLE MUSCHETT

UNDP

15:30 - 16:00 Break

16:00 - 17:30 ROOM N101

1B: Beyond market reform: Strengthening supply chains to scale-up the renewables sector

Moderator: Rana Ghoneim. UNIDO

HENOK ASSEFA

Precise Consult

RISHABH JAIN

CEEW

MARGARITA DE GREGORIO

GEOPLAT/BIOPLAT

MEGHAN O'SULLIVAN

Harvard Kennedy School of Government

JOAN BATALLA

SEDIGAS















2B: Renewables for Agriculture

Moderator: Meghan Sapp. PlanetEnergy

PEDRO BARATO TRIGUERO

President of Triguero Asociacion Agraria Jovenes Agricultores ASAJA

ISHTIAQ A CHISTI

USAID

IBRAHIM TOGOLA

Mali Folkecenter

IRINI MALTSOGLU

UN FAO

PAULA SANTOS

UNEF

16:00 - 17:30 ROOM N106

3B: The Renewables Transition: Turning Crises into Economic Opportunities

Moderator: Maruxa Cardama. SLOCAT Partnership on Sustainable, Low Carbon Transport

PHILIP TURNER

International Association of Public Transport's (UITP)

ZEINA KHALIL HAJJ

350.org

SAYURI CHETTY

ICLEI Africa

MINORU TAKADA

United Nations

LAURA CORCORAN

AptechAfrica

BENOIT BIZET

Royal Danish Embassy in Paris















 4B: Changing Energy Governance: Communities and cities shifting to renewables

Moderator: Tabaré A. Currás. WWF Cities

VERÓNICA ARIAS

Coalición de ciudades capitales de las Américas frente al cambio climático (CC35)

JOEL NANA

Sustainable Energy Africa

LEA RANALDER

UN Habitat

CHRIS RADOJEWSKI

Powering Past Coal Alliance (PPCA)

DANIELA MASTRANGELO

City Representative

AININA SOFIA

Energy Action Partners

16:00 - 17:30 ROOM N117

 5B: Disrupting the Fossil Fuel Reality: Using innovation to shift to renewables

Moderator: Sabine Froning. Communication Works

PAUL KELLETT

UN Environment's global 'United for Efficiency' (U4E)

JEROME KUSTERS

The Stakeholder Company

MAJD MASHHARAWI

SunBox Group LTD

HUSSEIN MOGAIBEL

Islamic Development Bank

JAMES WALSH

Mainstream Renewable Power South Africa

17:30 - 18:00 AUDITORIUM (Rooms N103+N104)

Day's Learnings: Perspectives















La transición energética en las islas españolas IDAE

18:00 - 19:30 ROOM N102

 Empowering Lives and Livelihoods: Renewables for Adaptation USD 1-Billion Financing Facility to Reinforce Resilience in Agri-Food and Health Value Chains with Renewable Energy (A COP28 Initiative)

United Arab Emirates (UAE)

The UAE and IRENA are jointly organising the session to raise awareness and support for the COP28 initiative for governments, philanthropy, foundations, trusts, charitable funds, and businesses in climate, renewables and sustainability to be an integral part of the initiative.

18:00 - 19:30 ROOM N114

What Community Power Needs
World Wind Energy Association (WWEA)

The event will present, from practitioners' viewpoints, the barriers which hinder a more decentralised and citizen-focused energy supply. Speakers will highlight the situation on the Iberian peninsula, and identify barriers as well as opportunities of community and citizen-based renewable energy economies.

18:00 - 19:30 ROOM N105

The Role of Bioenergy in Spain and Beyond World Bioenergy Association (WBA)

The event will gather experts to share examples of biomass heat as a renewable option in industries and residential end-use sectors. After presenting the role of bioenergy globally and in Spain, representatives from companies offering services to industries and collective residential heating will share their experience implementing biomass heating solutions.

18:00 - 19:30 ROOM N117

 Lessons Learned in Rapid Decarbonization of Power Sectors National Renewable Energy Laboratory (NREL)

This high-level panel will explore highlights of the report "Lessons Learned in Rapid Decarbonization of Power Sectors," a collaborative effort of the 21st Century Power Partnership that encapsulates key learnings from planning, building, and operating decarbonized power systems over the past decade.

18:00 - 19:30 ROOM N115

 Enabling Regulatory Mechanisms for Seamless Integration of RE in Transport

SLOCAT / World Resources Institute (WRI)

This panel discussion will bring stakeholders from the private and public sectors to identify enabling regulatory measures that ensure seamless integration of EV into grid and RE charging. Partner representatives from the NDC Transport Initiative for Asia project will present India's case study, adding examples from Spain and other countries.

















21 FEBRUARY 2023

08:30 - 09:30

Registration opens

09:30 - 10:30 AUDITORIUM (Rooms N103+N104)

High Level Panel: Renewable energy for social and economic development for all

Moderator: Ana Belén Sánchez. ITJ Advisor

ANNA SHPITSBERG

Deputy Assistant Secretary, U.S. Department of State

GLORIA MAGOMBO

Secretary for Energy and Power Development, Ministry of Energy and Power Development of Zimbabwe

ALICIA MONTALVO SANTAMARÍA

Manager of Climate Action and Positive Biodiversity, Development Bank of Latin America (CAF). Kandeh Yumkella: Advisor, Ashinaga

NELSON LAGE

President European Energy Network (EnR) and President of the Portuguese Energy Agency (ADENE)

PAOLO FRANKL

Head of Renewable Energy Division, International Energy Agency (IEA)

IBRAHIM YACOUBOU

Minister of Energy and Renewable Energies of Niger

ROMEO MIKAUTADZE

Minister of Economy and Sustainable Development of Georgia

KANDEH YUMKELLA

Advisor, Ashinaga

10:30 - 11:00

Break















1C: Ramping up Renewable Energy Deployment: The indispensable building block

Moderator: Sabine Froning. Communication Works

RAMÓN MENDEZ GALAIN

Leading the Latin American Non Profit Organization

RAMÓN FIESTAS HUMMLER

GWEC Latin America

JULIA SOUDER

Long Duration Energy Storage Council

PAOLO FRANKL

International Energy Agency

MIQUEL MUÑOZ CABRÉ

SEI - Stockholm Environment Institute

GIANNI CHIANETTA

Global Solar Council

11:00 - 12:30 ROOM N102

2C: Renewables for Transport

Moderator: Maruxa Cardama. SLOCAT Partnership on Sustainable, Low Carbon Transport

MIKE ENSKAT

Sectoral and Global Programmes, GIZ

APARNA VIJAYKUMAR

Electric Mobility with the Sustainable Cities and Transport Team at WRI India

HARRY LEHMANN

PTX Lab – Lausitz – Chairperson World Council for Renewable Energy

JOEL YONGOUA NANA

Sustainable Energy Africa















3C: The New Rules of Renewable Energy Supply Chains

Moderator: Thomas Nowak. European Heat Pump Association

CHRISTOPHER DENT

Edge Hill University

JARROD LYONS

Atlantis Special Economic Zone Company

RICHARD DAY

Energy and Mining Government of South Australia

MARTA SAN ROMÁN

AFEC

FRANCISCO PERUCHO

AFEC

11:00 - 12:30 ROOM N105

4C: Renewables Leading the Transition: Just, equitable, distributed, inclusive

Moderator: Irene Giner-Reichl. Ambassador ret

CHRISTIAN RAKOS

World Bioenergy Association

DAVID ARINZE

Diamond Development Initiatives (DDI)

LEONARDO BELTRAN

Sustainable Energy for All

JULIE BEAULIEU

Student Energy

MARILYN SMITH

The ENERGY ACTION Project (EnAct)

VICTOR VIÑUALES

ECODES

YANN DUMONT

ASEALEN















5C: Consumer Trends in Goods and Services Markets: Building strategically on ESG to accelerate renewables

Moderator: Mariana Castano-Cano. 10 Billion Solutions

IDA KRABEK

Ørsted

JEROME KUSTERS

The Stakeholder Company

ANDREA WAINER

REN21

SANTIAGO GÓMEZ RAMOS

APPA

QI KAI SHENG

IKEA

12:30 - 14:00 Lui

Lunch Break

14:00 - 15:30 ROOM N101

 1D: Grids and Infrastructure: The backbone of renewable energy systems

Moderator: Antonella Battaglini. Renewables Grid Initiative

BEATRIZ CORREDOR SIERRA

Redeia

JAQUELIN COCHRAN

National Renewable Energy Laboratory

MARIA JOSÉ ESPÍRITO SANTO

Directorate-General of Energy and Geology of Portugal

YIN BO

GEIDCO Europe Office















2D: Renewables for Buildings

Moderator: Lea Ranalder. UN Habitat

PETER LUNDBERG

Asia Pacific Urban Energy Association (APUEA)

THOMAS NOWAK

European Heat Pump Association

NILCE GREGORET

Project 100% Renewables: Cities and Regions Roadmap. Local leader of Avellaneda, the model city in Argentina

ANDREA VOIGT

Danfoss

LUIS CABRERA

ANESE

14:00 - 15:30 ROOM N106



Moderator: Mariana Castano-Cano. 10 Billion Solutions

NAWAL AL-HOSANY

UAE to the International Renewable Energy Agency (IRENA)

THOMAS ANDRÉ

REN21

DIANA JUNQUERA CURIEL

ITUC's Just Transition Centre

IRENE GINER-REICHL

Ambassador ret

OLEGUER FUERTES

ASIT















4D: Engaging Citizens from the Bottom-Up

Moderator: Niels Reise. Communication Works

KOSSI AFELETE ATIGAKU

PADIE

ELIFADHILI SHAHIDI

Climate Action Network-Tanzania

ERICA WU

Student Energy

MARYKE VAN STADEN

ICLEI - Local Governments for Sustainability

MONTSERRAT MIR

ITUC's Just Transition Centre

14:00 - 15:30 ROOM N117

5D: Digitalisation to Speed up the Energy Transition

Moderator: Martin Hullin. Datasphere Initiative

ALFREDO PARRES

Hitachi Energy

LUIS MARQUINA

AEPIBAL

CARLOS VILA

Iberdrola

JUAN DIEGO DÍAZ

AEE

CARMEN GONZÁLEZ MURIANO

Airzone

ELENA DODEVSKA

TSC

15:30 - 16:00

Break















 Good practices in ecological and socio-economic integration of energy initiatives

Global Solar Council (GSC) / Spanish PV Association (UNEF)

Energy transition demands the application of best practices in renewables, integrating socio-economic and environmental aspects to ensure people and nature are the core of decision-making toward resilient and green economies. The session will showcase the Spanish Certification of Excellence in Sustainability to promote high-quality standards and innovation in solar photovoltaics.

16:00 - 17:30 ROOM N102

 100% Renewable Cities and Regions: Argentina, Indonesia and Kenya

ICLEI - Local Governments for Sustainability

This session will present perspectives from local governments from the Global South on the challenges and opportunities involved in implementing a sustainable energy transition, including the ambitious goal of 100% renewable energy use across all sectors.

16:00 - 17:30 ROOM N106

Renewable Energy to achieve universal access to energy Mesa para el Acceso Universal a la Energía

16:00 - 17:30 ROOM N105

 The critical role of Marine Energy in the sustainable energy transition - supported by international standards and certification

International Electrotechnical Commission (IEC)

The session will provide a summary of marine energy developments in Spain and globally, along with examples of the critical role that IEC Standards and Conformity Assessment Systems play in reducing risk, increasing confidence, and enabling the industry's growth

16:00 - 17:30 ROOM N117

 Australia: A successful integration of substantial and increasing levels of variable renewable energy

Clean Energy Council (CEC)

A standout case study in Australia's rapid clean energy transition can be found in South Australia, where – through both necessity and vision – the state has achieved the feat of operating its electricity system on 100 per cent renewables for days at a time.















Gender Equality: A critical pathway for a sustainable and inclusive energy transition

United Nations Development Programme (UNDP)

The main objective of this session is to showcase the opportunities the just energy transition presents to catalyse gender equality and women's economic empowerment, generating multiple development benefits, and the needs for such processes to purposedly develop target approaches to integrate women as agents of change.

16:00 - 17:30 ROOM N115

Mobilisation of Finance to Achieve SDG7 in Africa – Launch of the 2022 AEEP Report on Financial Flows

African-European Energy Partnership (AEEP)

The event will focus on the current energy crisis and how Africa and Europe can work jointly to combat climate change and achieve access to affordable energy for all by evolving governments, the private sector, and civil society.

17:30 - 18:00 AUDITORIUM (Rooms N103+N104)

Day's Learnings: Perspectives

18:00 - 19:30 ROOM N101

 Vientos de futuro: el diálogo para el desarrollo inclusivo de la eólica

Vientos de Futuro

18:00 - 19:30 ROOM N102

 Mesa de diálogo del Cambio Climático y Energía: La experiencia de Navarra

Mediación Navarra

18:00 - 19:30 ROOM N106

 Faster and further with HEAT PUMPS: decarbonizing heating, cooling and hot water

European Heat Pump Association (EHPA) / Air Conditioning Equipment Manufacturers Association (AFEC)

This session will present benefits of heat pumps as a key technology to current energy efficiency and decarbonisation targets, and as a reference for public/private actors involved in the electrification of economy to increase the use of renewables for energy security and strategic autonomy.















 Alliance for a Just Energy Transformation (AJET) –
 A collaborative discussion on shaping the Alliance's strategy and its implementation

World Wildlife Fund (WWF) / United Nations Development Programme (UNDP)

This event will bring together organisations who have an interest to take action related to Just Energy Transition and work with others to share knowledge, build on existing activities, co-ordinate, and collaborate. It will consider the practical needs to address and propose priority activities for the AJET Alliance.

18:00 - 19:30 ROOM N117

How to Scale Minigrids and Score a Climate Win-Win Africa Minigrid Developers Association (AMDA) / Husk

This interactive session (with no presentations) will focus on tracing a roadmap for RE minigrids to reach their full potential, with insights from experts about scale, speed, and sustainability, including finance, policy, and innovation. It will also highlight the importance of minigrids in the context of climate action and finance.





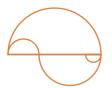












22 FEBRUARY 2023

08:30 - 09:30

Registration opens

09:30 - 10:30 AUDITORIUM (Rooms N103+N104)

High Level Panel: Energy and industrial policies to mainstream renewables

Moderator: Joan Groizard. Director General of IDAE

CELINE REYMONNET

Secretary General: Western Europe and Overseas, Akuo Energy

RANA ADIB

Executive Director, REN21

RAMÓN MENDEZ GALAIN

Former Energy Minister, Uruguay

JOSE DONOSO

Chairman, Global Solar Council

CIYONG ZOU

Managing Director of Technical Cooperation Services Directorate, UNIDO

ALI ZEROUALI

Head of Cooperation & International Development, Moroccan Agency for Sustainable Energy (MASEN)

10:30 - 11:00

Break

11:00 - 12:30 ROOM N101 ¿Las ciudades hacen su parte?

Greenpeace, Ecologistas en Acción, WWF España, Amigos de la Tierra. SEO/BirdLife

11:00 - 12:30 ROOM N102

Launch of the Global Landscape of Renewable Energy Finance 2023

International Renewable Energy Agency (IRENA)

This event will present insights from IRENA and CPI's Global Landscape of RE Finance 2023, including trends in investment by technology and sector, region, source of finance (public and private), and financial instrument. The role of public funding in driving investments will be discussed, particularly in developing countries that increasingly struggle to attract investments.















Technology pathways for decarbonization of energy intensive industries

United Nations Industrial Development Organization (UNIDO)

The session will examine the status of readiness of different technologies for industrial decarbonisation, share examples and best practices for enabling the development of new technologies, and discuss how government policies can create the right pull mechanisms to boost innovation and deployment.

11:00 - 12:30 ROOM N114

Stakeholders' Role in the Electricity Grid Infrastructure Planning Renewables Grid Initiative (RGI)

This interactive session will raise awareness about the importance of stakeholder engagement in grid planning, and the equally valuable views of all stakeholders. The audience will have the possibility to learn and exchange different stakeholder engagement measures and experiences in grid planning with project partners.

12:30 - 14:00

Lunch Break

14:00 - 15:30 ROOM N101

 1E: Building Energy Resilience: Large centralised vs. distributed systems

Moderator: William Brent. Husk Power Systems

DIPTI VAGHELA

Hydropower Empowerment Network (HPNET)

DOUGLAS ARENT

National Renewable Energy Laboratory (NREL)

PABLO VALVERDE

International Hydropower Association (IHA)

KARIM SELOUANE

Resallience

NEERAJ KULDEEP

Council on Energy, Environment and Water (CEEW)















2E: Electricity, Hydrogen and Low Thermal: The interplay

Moderator: Adam Brown. Independent Consultant

THIERRY LEPERCQ

HyDeal

DIANA SÜNDERMANN

TÜV Nord

BRAM CLAEYS

Regulatory Assistance Project

14:00 - 15:30 ROOM N106

 3E: The Case of SMEs: Driving change outside globalised markets

Moderator: Victor Marcos. IDAE

EWAH ELERI

International Centre for Energy, Environment & Development, Nigeria

CELINE REYMONNET

Akuo Energy

JAD BABA

REN21

ADRIANA RODRIGUEZ

CLIMATE STRATEGY

MARÍA DE PABLO

Triodos Bank















 4E: Stopping the Exodus: How renewables make people stay

Moderator: Rana Adib. REN21

ASUNCIÓN RUIZ GUIJOSA

BirdLife

LEONARD HERVÁS

CIDE Asociación

ASMA ROUABHIA

El Khadra Sustainable

DAVID LECOQUE

Alliance for Rural Electrification (ARE)

MOHAMMED JIBRIL

Federal Government of Nigeria

EUNBYEOL JO

SFOC

14:00 - 15:30 ROOM N117 5E: End-of-life: Circularity in renewables

Moderator: Mariana Castano-Cano. 10 Billion Solutions

JINLEI FENG

International Renewable Energy Agency (IRENA)

SERIFE 'ELIF' CAN SENER

Research Fellow, Consultant, RESR2023 Author

DEBORAH OHUI NARTEY

Footprints Africa Limited

SHARON GIL

UNEP

15:30 - 15:45

Break















15:45 - 17:15 AUDITORIUM (Rooms N103+N104)

Closing Ceremony: Continuous acceleration to be

2050-ready

Moderator: Miriam Bueno. MITECO

HELENA VIÑES

Board Member of CNMV (Spanish financial markets regulator)

KANE THORNTON

CEO of Clean Energy Council

DANNY KENEDY

CEO of New Energy Nexus

Closing speech by **RAQUEL SÁNCHEZ**. Ministry of Transport, Mobility and Urban Agenda













