



Day 1: Direct Electrification (Renewable-powered solutions)

Monday, 25 September 2023

Time	Sessions
09:00 – 10:00	Registrations & Coffee
09:00 – 10:00	<p>High level dialogue: Innovation for the energy transition Location: Forum, Bundeskunsthalle</p> <p><u>Welcome</u> Roland Roesch, Director, Innovation and Technology Center, IRENA Master of Ceremonies: Felicia Jackson</p> <p><u>Keynotes</u> Opening speech Francesco La Camera, Director-General, IRENA</p>
10:00 – 12:00	<p>Innovation week in the road to COP28 Nawal Al-Hosany, Permanent Representative of the UAE to IRENA</p> <p><u>High-level dialogue</u> Moderator: Elizabeth Press, Director, Planning and Programme Support, IRENA</p> <p>Amani Abou-Zeid, Commissioner for Infrastructure and Energy, African Union Commission Philippe Henry, Vice President and Minister of Climate, Energy, Mobility and Infrastructure, Walloon Region Kadri Simson, Commissioner for Energy, European Commission Kaleb Udui Jr., Minister of Finance, Palau Siva Gunda, Vice Chair of the California Energy Commission Francesco La Camera, Director-General, IRENA</p> <p style="background-color: #fff9c4; padding: 2px;">Open Poster Session: Roland Roesch</p>
12:00 – 13:30	Lunch Break Location: Bundeskunsthalle

	<p>Power systems of the future: Infrastructure requirements for widespread electrification Location: Forum, Bundeskunsthalle</p> <p><u>Keynotes</u> Yan Huafeng, Chairman, CEPRI Asami Miketa, Head Transition Planning and Power Sector Transformation Bo Li, Director of International Affairs, CEPRI Norela Constantinescu, Head of Innovation, ENTSO-E</p> <p><u>Panel Discussion</u> Moderator: Kristian Ruby, Secretary General, Eurelectric</p> <p>Luis Cunha, Board Member, EU DSO Entity and Director, EDP Annegret Groebel, President, CEER Wenpeng Luan, Advisory expert, CEPRI Ninghong Sun, Team Lead of System Planning, TransnetBW Sylvie Tarnai, Chief Strategy Officer, EnergyPool</p> <p><i>In partnership with: CEPRI</i></p>
13:30 – 15:00	
15:00 – 15:30	Coffee & Networking

	<p>Electrifying road transport Location: Forum, Bundeskunsthalle</p> <p><u>Keynotes</u> Arina Anisie, Analyst - Renewable Energy Innovation, IRENA Siva Gunda, Vice Chair of the California Energy Commission</p> <p><u>Panel discussion</u> Moderator: Daniel Bowermaster, Senior Programme Manager, EPRI</p> <p>Gilles Dillen, Senior Manager - Foreign Investments, Renewable Energy & Cleantech, City of Amsterdam Luis Cunha, Board Member, EU DSO Entity and Director, EDP Henrik Engdahl, Director, Electromobility Business Development, Volvo Trucks Michael Mohnhaupt, Board of Directors, The Mobility House Gregory Poilasne, CEO, Nuvve Jan-Peter Sasse, Regulator E-mobility and distribution grid, BNetzA</p> <p><i>Session organized in partnership with: EPRI</i></p>	<p>Electrifying heating and cooling in buildings Location: Lounge, Bundeskunsthalle</p> <p><u>Keynotes</u> Juan Pablo Jiménez, Analyst, IRENA Yoichi Fujita, Technical Researcher, Energy Conservation Technology Dept, New Energy and Industrial Technology Development Organization (NEDO) Thomas Nowak, Secretary General, European Heat Pumps Association</p> <p><u>Panel discussion</u> Moderator: Thomas Nowak, Secretary General, European Heat Pumps Association</p> <p>Matthias Grapow, Vice President Business Development & Digitalisation, MAN ES Ezzeddine Jradi, Chief Transformation & Business Excellence Officer, Emicool Stefan Moser, Head of Unit - Buildings and Products, European Commission Kazuyoshi Nakano, Senior Research Scientist, Central Research Institute of Electric Power Industry (CRIEPI) Sandra Trittin, CEO and founder, Futurize Energy (exTiko)</p> <p><i>Session organized in partnership with: EHPA</i></p>
<p>18:00 – 20:00</p>	<p>Networking Dinner Location: Restaurant, Bundeskunsthalle</p>	



Day 2: Indirect Electrification (Decarbonising hard-to-abate sectors)

Tuesday, 26 September 2023

Time	Sessions
9:30 – 11:00	<p>Walking the last mile of the energy transition with green hydrogen Location: Forum, Bundeskunsthalle</p> <p><u>Keynotes</u> Francisco Boshell, Head Innovation and End Use Applications, IRENA Deger Saygin, Industry Programme Lead, OECD Alicia Eastman, President , Intercontinental Energy</p> <p><u>Panel discussion</u> Moderator: Gokce Mete, Global Hydrogen Lead, South Pole</p> <p>Ulf Bäumer, Head of Innovation Centre, Thyssenkrupp Nucera Donal Cannon, Head of Regional Representation for South Asia, EIB Norela Constantinescu, Head of Section Innovation, Entso-E María Jaén, European Hydrogen Research Leader, EPRI Francisco Maza, Hydrogen Director, REPSOL Mark van Stiphout, Deputy Head of Unit - Research, Innovation, Digitalisation, Competitiveness at DG Energy, European Commission</p> <p><u>Closing Remarks</u> Francisco Boshell, Head Innovation and End Use Applications, IRENA</p> <p><i>Session organized in partnership with: OECD</i></p>
11:00 – 11:30	Coffee & Networking



11:30 – 13:00

Solutions to decarbonize the iron and steel sector

Location: Forum, Bundeskunsthalle

Keynote

Luis Janeiro, Team Lead - End Use Sectors, IRENA

Panel discussion

Moderator : Åsa Ekdahl, Head - Environment and Climate Change, World Steel Association

Samuel Flückiger, Head of EU Climate Policy, thyssenkrupp Steel Europe

Christopher Gusek, Head of Steel Technology, H2 Green Steel

Robert Jan Jeekel, Head of Europe Institutional Affairs, ArcelorMittal Europe

José Noldin, Chief Executive Officer, GravitHy

Closing remarks

Luis Janeiro, Team Lead - End Use Sectors, IRENA

*Session organized in partnership with: **World Steel Association***

Supported by IRENA's Alliance for Industry Decarbonization

Solutions to decarbonize the chemical and petrochemical sector

Location: Lounge, Bundeskunsthalle

Keynote

Francisco Boshell, Head Innovation and End Use Applications, IRENA

Panel discussion

Moderator : Florian Ausfelder, Head - the Energy and Climate Department, Dechema

Lars Boerger, VP, Strategy and Long term Development, Renewables and Polymer Chemistry, Neste

Martijn de Graaff, Program Director, Voltachem

Rosella Di Virgilio, Head of Opportunity Analysis and Strategy Report, Versalis- ENI

Dharik Mallapragada, Principle Research Scientist, MIT/DC-Muse

Joerg Unger, Senior Vice President - Low Carbon Emission Technologies & Projects, BASF

Closing remarks

Francisco Boshell, Head Innovation and End Use Applications, IRENA

*Session organized in partnership with: **DECHEMA***

Supported by IRENA's Alliance for Industry Decarbonization

Youth & Innovators Hub

Location: IRENA Innovation and Technology Center

Keynotes

Nawal Al-Hosany, Permanent Representative of the United Arab Emirates to IRENA

Gauri Singh, Deputy Director-General, IRENA

Panel discussion 1

Moderator: Sajith Wijesuriya, National Renewable Energy Laboratory (NREL)

Takuro N. Murakami, National Institute of Advanced Industrial Science and Technology

Adekoyejo Kuye, Co-founder and Managing Director, KAMIM Technologies Limited

Ghida Ismail, Board Member, Sustain The World

Natasha Louise Jones, CEO, Metris Energy

Augusto Facundo Diaz, Co-Founder / Head of Projects, HD Photovoltaics

Panel discussion 2

Moderator: AbdulRahman Fahmy, Consultant, IRENA

Clara Neppel, Senior Director European Business Operations, IEEE Technology Centre

Anastasia Kuskova, CEO, Sirius

Suzana Fred Munuo, CEO, Gilsun Technologies

Peace Olalekan Bello, CEO, Chemotronix Ltd

Ioan-Dacian Jurj, Cofounder, Renergia

Closing remarks: Riccardo Toxiri, IRENA

*Session organized in partnership with: **IEEE Young Professionals***

13:00 – 14:00	Lunch		
	<p>Solutions to decarbonise the shipping and aviation sectors Location: Forum, Bundeskunsthalle</p> <p><u>Keynotes</u> Pierpaolo Cazzola, Director - European Transport and Energy Research Center, ITS UC Davis Carlos Ruiz, Programme Officer – Innovation and End-use Sectors, IRENA Tianfu Zhang, Chief Scientist - Green Power Conversion, State Power Investment Corporation</p> <p><u>Panel discussion</u> Moderator: Pierpaolo Cazzola, Director - European Transport and Energy Research Center, ITS UC Davis</p>	<p>Future materials for EV batteries Location: Lounge, Bundeskunsthalle</p> <p><u>Keynotes</u> Luis Janeiro, Team Lead - End Use Sectors, IRENA Michalis Christou, Senior Expert, JRC, European Commission</p> <p><u>Panel discussion</u> Moderator: Inga Petersen, Executive Director, Global Battery Alliance</p> <p>Maximilian Fichtner, Professor, Helmholtz Ulm/KIT Srini Godavarthy, CEO, Li-metal Rashi Gupta, CEO, Vision Mechatronics Maroš Halama, Assoc. Professor, University of Kosice/Inobat Marcos Ierides, Innovation Consultant, Bax & Company</p> <p><u>Closing remarks</u> Michalis Christou, Senior Expert, JRC, European Commission Luis Janeiro, Team Lead - End Use Sectors, IRENA</p> <p><i>Session organized in partnership with: EC JRC</i></p>	<p>Grid evolution: Transforming energy landscapes in developing countries and SIDS Location: IRENA Innovation and Technology Center</p> <p><u>Keynotes</u> Simon Benmarraze, Team Lead - Technology and Infrastructure, IRENA Reji Kumar Pillai, President, India Smart Grid Forum Chavan Dabeedin, General Manager, Central Electricity Board of Mauritius</p> <p><u>Panel discussion</u> Moderator: Sofja Giljova, Policy Advisor for Energy Transition, GIZ</p> <p>Kaleb Udui Jr., Minister of Finance, Palau Chavan Dabeedin, General Manager, Central Electricity Board of Mauritius Kader Diop, Conseiller Technique, ANER-Senegal Claire Nicolas, Senior Energy Economist-Energy Sector Management Assistance Program (ESMAP), World Bank Reji Kumar Pillai, President, India Smart Grid Forum Ambrosio Yobánolo del Real, Vice-Chair UNFCCC Technology Executive Committee,</p> <p><i>Session organized in partnership with: GIZ</i></p>
14:00 – 15:30	<p>Maisarah Abdul Kadir, Associate Programme Officer – End-use sectors and roadmaps, IRENA Bernd Hackmann, Team Lead - NDCs, LTLEDS and sectoral mitigation actions, UNFCCC Karl Hauptmeier, Managing Director, Norsk e-fuel Emile Herben, Director - Product Management & Certification – Clean Ammonia, Yara Bruno James, Head - New Energy Business Development, Airbus Nelson Mojarro, Head - Innovation and Partnerships, International Chamber of Shipping</p> <p><i>Session organized in partnership with: ITS-DAVIS</i></p>		
15:30 – 16:00	Coffee & Networking		

<p>16:00 – 17:30</p>	<p>Geopolitics of the energy transition: innovation in critical materials Location: Forum, Bundeskunsthalle</p> <p><u>Panel discussion</u> Moderator: Elizabeth Press, Director, Planning and Programme Support, IRENA</p> <p>Leonardo Buizza, Lead - Supply Chains & Materials Analyst, Energy Transitions Commission Lucilla Crexell, National Senator, Argentina Indra Øverland, Research Professor, NUPI Sjarah Soede, Deputy Director - Inclusive Green Growth Department, Deputy Director, Inclusive Green Growth, MFA, Netherlands</p> <p><i>Session organized in partnership with: Energy Transitions Commission</i></p>
<p>17:30 – 18:15</p>	<p>Closing remarks and takeaways Location: Forum, Bundeskunsthalle</p> <p>Moderator: Felicia Jackson, Editor, Sustainable Growth Voice</p> <p>Roland Roesch, Director, IRENA Innovation and Technology Center, IRENA Peter Schniering, Founder & CEO of Future Clean Architects Eleanor Webster, Head Secretariat Mission Innovation</p>
<p>19:00 - 21:00</p>	<p>Evening reception Location: Bonn City Hall</p>

Day 3: Innovation Sessions & Workshops

Wednesday, 27 September 2023

Time	Sessions
9:30 – 10:00	<p>Coffee & Networking</p> <p>Demand side management and storage – Case Studies Location: IRENA Innovation and Technology Center</p> <p><u>Opening Remarks</u> Arina Anisie, Analyst - Renewable Energy Innovation, IRENA</p> <p><u>Case study presentations</u> Juan Pablo Jimenez, Analyst, IRENA Siva Gunda, Vice Chair of the California Energy Commission Emanuele Taibi, General Manager - Italy, Field Sylvie Tarnai, Chief Strategy Officer, Energy Pool Michael Villa, CEO, SmartEn</p>
10:00 – 12:00	<p>Hideyuki Umeda, Director for International Policy on Carbon Neutrality, Agency for Natural Resources and Energy, Japan Songsong Chen, CEPRI Daniel Bowermaster, Senior Programme Manager, EPRI Gregory Poilasne, Co-Founder, Director, Chairman and CEO, Nuvve</p> <p><u>Closing Remarks</u> Francisco Boshell, Head of Innovation, IRENA</p> <p><i>Session organized in partnership with: METI</i></p>
12:00 – 13:00	Lunch

	<p>Enabling data driven decision making – The Energy Innovation Metrics Hub (Mission Innovation) Location: IRENA Innovation and Technology Center</p> <p><u>Keynotes</u> Eleanor Webster, Head of Mission Innovation Secretariat Ingrida Murauskaite-Bull, EC JRC Project Officer & MI INSIGHTS Module Manager Aliki Georgakaki, Project Leader, Energy Transition Insights for Policy, EC JRC Francisco Boshell, Head Innovation and End Use Applications, IRENA Suzy Leprince, Energy Data Officer, IEA</p> <p>13:00 – 14:30 <u>Stakeholder Feedback and Q&A</u> Eleanor Webster, Head of Mission Innovation Secretariat Ann-Kathrin Lipponer, IRENA Associate Programme Officer & MI INSIGHTS Officer</p> <p><u>Closing Remarks</u> Evangelos Tzimas, Head of Unit, EC JRC Francisco Boshell, Head Innovation and End Use Applications, IRENA</p> <p><i>Session organized in partnership with: EC JRC</i></p>
<p>14:30 – 15:00</p>	<p>Coffee & Networking</p>
<p>15:00 – 17:00</p>	<p>Meeting of the IRENA Collaborative Framework for High Shares of Renewables Location: IRENA Innovation and Technology Center</p> <p><u>Keynotes</u> Hideyuki Umeda, Director for International Policy on Carbon Neutrality, Agency for Natural Resources and Energy, Japan Gauri Singh, Deputy Director-General, IRENA Francisco Boshell, Head Innovation and End Use Applications, IRENA</p> <p><u>Panel discussion (to be followed by intervention from IRENA Members)</u> Moderator: Gurbuz Gonul, Director Country Engagement and Partnerships, IRENA</p> <p>Martin Hartvig, Senior Engineer, Energinet, Systemperspektiv Bruce Douglas, CEO, Global Renewable Alliance Rudolf Zauner, Senior Innovation Manager, Verbund Alex Oudalov, Power Systems of the Future Manager, Hitachi Energy Anser A. Shakoor, Managing Director, GE Energy Consulting, Europe Chigozie Nweke-Eze, CEO, Integrated Africa Power</p> <p><u>Closing Remarks</u> Vanessa Interiano, Permanent Representative to IRENA, El Salvador (ONLINE)</p>

Day 4: Innovation Sessions & Workshops

Thursday, 28 September 2023

Time	Sessions
9:30 – 11:30	<p>Strategic Considerations for Sector Coupling in Long-Term Energy Scenarios Location: IRENA Innovation and Technology Center and Hybrid</p> <p><u>Opening Remarks</u> Asami Miketa, Head Energy Transition Planning and Power Sector Transformation, IRENA</p> <p><u>Scene Setting Presentation</u> Angela Mutsotso, Associate Professional – Clean Energy Transition Scenarios, IRENA</p> <p><u>Panel Discussion</u> Moderator: Christopher Gross, GET.Transform Team Leader, GIZ</p> <p>Martin Hartvig, Senior Engineer, PhD, Energinet Claire Nicolas, Senior Energy Economist- Energy Sector Management Assistance Program (ESMAP), World Bank Kaare Sandholt, Chief International Expert, China Energy Transformation Programme, Energy Research Institute of the Academy of Macroeconomic Research (ERI) Paul Mbuti, Senior Deputy Director Renewable Energy, Ministry of Energy, Kenya</p> <p><u>Closing Remarks</u> Asami Miketa, Head Energy Transition Planning and Power Sector Transformation, IRENA</p> <p><i>Session organized in partnership with: GET.Transform</i></p>
11:30 – 12:00	Coffee & Networking
12:00 – 13:30	<p>Innovation and Technology Pathways to Decarbonise Hard-to-Abate Sectors <i>(By invitation only)</i> Location: IRENA Innovation and Technology Center</p>
13:30 – 14:00	Lunch
14:00 – 18:00	<p>Quality Infrastructure for Green Hydrogen Symposium <i>(By invitation only)</i> Location: IRENA Innovation and Technology Center</p> <p><i>Session organized in partnership with: IEC, ISO, PTB</i></p>