









Location: Mercure Hotel, Windhoek, Namibia.

Time Zone: CAT

For online participation, please join the respective rooms based on the links

Room One:

Room Two:

Day One – 21st October 2025

08:00 - 09:00	Registration					
	Opening Ceremony: Director of Ceremony Executive Director, Ministry of Agriculture, Fisheries, Water and Land Reform (TBC)					
Time	Activity	Speaker				
09:00 – 09:10		National & AU Anthem				
09:10 – 09:20	Welcome Note	Prof. Nelago Indongo, Executive Director SASSCAL				
09:20 - 09:30	Opening Remarks	Mr. Moses Pakote, Executive Director, Ministry of Industries, Mines and Energy, Namibia				
09:30 - 09:40		Mrs. Kerstin Annassi, BMFTR/PTJ				
09:40 - 09:50	ICERA Conference Background	Prof. Dr. habil. Satyanarayana Narra, Universität Rostock				











00.70 10.00	"Manti Is"				
09:50 - 10:00		Mr. Erwin Haihambo, Executive Director, Ministry of Environment and			
		Tourism, Namibia – Theme: Health, cultural, and environmental aspects of			
		harnessing green energy in the African context			
10:00-10:10		Executive Director, WASSCAL			
	Statements				
10:10-10:20		Mr. Kudakwashe Ndhlukula, Executive Director SACREEE – Theme:			
		Renewable energy			
		6,7			
10:20 – 10:30		Prof. Anicia. Pieters, CEO. NCRST, Namibia			
10.20 10.30		Theme: Biomass and waste as a sustainable resource			
		Theme. Biomass and waste as a sustainable resource			
10:30 – 10:45		Cultural Performance			
10.30 10.43	Cultural Fertormance				
10:45 – 10:55	Statement by the German Ambassador to Namibia	Ambassador German Embassy			
10.15	Statement by the Comman immediated to ivalinous	Theme: Collaborative efforts towards production and application of green			
		hydrogen and derivatives: global development partnerships			
		nydrogen and derivatives. global development partnerships			
10:55 – 11:05	Introduction of the Minister of Industries, Mines and	Mr. Moses Pakote, Executive Director, Ministry of Industries, Mines and			
10.33 11.03	Energy, Namibia	Energy, Namibia			
	Lifergy, Natitiona	Energy, ivannota			
11:05 – 11:15	Keynote Address and Official Opening:	Hon. Natangwe Ithete, Minister of Industries, Mines and Energy, Namibia –			
11.03 11.13	Reynote reduces and official opening.	Theme: Development of regulatory framework and implementation: green			
		energy transition and green industrial requirements			
		energy transition and green industrial requirements			
11:15 – 11:20		Group Photo			
11.10		5			
11:20 – 11:40		Tea Break			











Poster Exhibition

Please note that posters will still be on display throughout the duration of the conference

Title	Author	Institution
Systematic Review of Integrated Systems for Urea Production Using Green Hydrogen and Direct Air Capture	Saliha Keita	International Institute for Water and Environmental Engineering (2iE)
Harnessing Hybrid Solar-Wind Potential in Namibe Province, Angola	Dr. Anacleto Diogo	SASSCAL
Sustainable Electricity Demand Forecasting Using Machine Learning in Lomé, Togo	ABI Mindénèsso	Centre d'Excellence pour la Maitrise de l'Electricité
Optimizing Water Hyacinth Anaerobic Digestion Using Potassium Hydroxide Pretreatment and Co-Digestion	Adanyro Atilago	Institut International d'Ingénierie de l'Eau et de l'Environnement (Institut 2iE)

	Session 1 – Renewable Energy Moderator:							
Time	Time Title Speaker Institution							
11:40 – 12:05	Technical Analysis of the Impact of Electric Vehicles on the City of Windhoek Power Network	Dr. Dickson K. Chembe	University of Namibia					
12:05 – 12:30	Evaluating the Impact of the Modified Single Buyer Electricity Market Model on Renewable Energy Deployment in Namibia	Andreas Tangeni Ndapuka	University of Namibia					











12:30 – 12:55	Evaluating the Impacts of Increased Solar PV Integration on the Namibian Grid Frequency Stability	Lysias P. Ndeilenga	University of Namibia
12:55 – 13:10	Optimizing the Performance of Photovoltaic Power Plants in Tropical Climates: A Systematic Review of Faults and Diagnostic Methods Online	Lamine Bayala	International Institute for Water and Environmental Engineering (2iE)
13:10 – 13:25	The Effect of Institutions on the production of Renewable Energy in West African countries: A Quantitative Assessment <i>Online</i>	Aboubacar Fatoumata Camara	WASCAL
13:25 – 13:40	Mapping and categorization of renewable energy projects in West Africa from 2010 to 2024 Online	Aboubacar Fofana	WASCAL
13:40 – 14:40	Lunch Br	eak	

Session 1 – Renewable Energy Moderator:

Time	Title	Speaker	Institution
14:40 – 15:05	Contribution of solar energy to sustainable development projects in Gabon's agricultural sectors: Construction of electric fences to combat	John-Freddy Ngabikoumou	Spatial Analytica
	elephants and an irrigation system to reduce water stress on oil palms using photovoltaic solar panels.		
15:05 – 15:30	Catalysis for Sustainable Aviation Fuels: Fischer-Tropsch Pathways	Burton Robert	Sasol
15:30 – 15:55	Power-to-Liquid Kerosene for Sustainable Aviation: Environmental Life Cycle Assessment Insights from the CARE-O-SENE Project	Neill Bartie	Helmholtz-Zentrum Berlin für Materialien und Energie
15:55 – 16:20	Toward Sustainable Energy in Africa: A Technoeconomic and Digital Twin Strategy for Green Hydrogen Production from Integrated Hydro-FPV Systems.	Emmanuel Olorunyomi Aremu	WASCAL











Scientific combination of agro-forestry and agri-PV technologies to regenerate nature in post-mining areas Online	Ndeye Ngoné Sarr	WASCAL				
Absorption spectra and photocurrent densities of Titania- Copper oxide thin films Online	Maria N. Nandjovo	UNAM				
Design and performance simulation of a solar PV pump with an integrated water-cooling system for irrigation applications <i>Online</i>	Prof. Venkata Ramayya Ancha	Jimma University				
17:05 – 17:20 Tea Break						
Tea Bre	ак					
Session 2 – Legal regulatory framework governing was Moderator:		dels				
Session 2 – Legal regulatory framework governing was		dels Institution				
Session 2 – Legal regulatory framework governing was Moderator:	te utilization and financial mo					
Session 2 – Legal regulatory framework governing was Moderator: Title Estimating the economic impacts of a potential PtX green hydrogen industry in South Africa using an Input-Output model	te utilization and financial mo	Institution				
	bsorption spectra and photocurrent densities of Titania- Copper oxide thin films Online Design and performance simulation of a solar PV pump with an integrated water-cooling system for irrigation applications	regenerate nature in post-mining areas Online bsorption spectra and photocurrent densities of Titania- Copper oxide thin films Online Design and performance simulation of a solar PV pump with an integrated water-cooling system for irrigation applications Prof. Venkata Ramayya Ancha				











Day Two - 22nd October 2025

	I	Room One			Room Two		
	Session 3: Biomass and Waste as a Sustainable Resource Moderator:			Session 4: Green hydrogen production, utilization, policy, regulatory framework, industrial requirements, and transition Moderator:			
Time	Title	Speaker	Institution	Title	Speaker	Institution	
08:00 – 08:25	DryHy: Process analysis and optimization of high temperature solid oxide co-electrolysis coupled with direct air capture for sustainable air-derived methanol	Gbenga Jerome	Forschungszentrum Jülich	A Techno-Economic Analysis of Green Hydrogen Energy Production in West Africa	Kokoutse Gawou	Nagaoka University of Technology	
08:25 – 08:40	Optimizing Waste-to-Energy Technologies in Sub-Saharan Africa: A Systematic Review and Comparative Analysis of Nigeria and Malawi Online	Justin D. Lazaurus	Covenant University	Africa's Budding Hydrogen Economy: The Case for a Multi-pathway Strategy Online	Ali Eliasu	Universität Rostock	
08:40 – 08:55	Assessment of Biomass Potential for Bioenergy Production in Mali: Enhancing Energy Security <i>Online</i>	Djènèba Fané	WASCAL	Hydrogen Production Using Cashew Nutshells via Gasification for Electricity Generation in Guinea-Bissau Online	Manhoba José Gomes	WASCAL	
08:55 – 09:20	Using Fractional Condensation to Optimize Aqueous Pyrolysis Condensates for Downstream Microbial Conversion	George Kofi Parku	Karlsruhe Institute of Technology (KIT)	The Potential Effects of AfCFTA on Africa's Green Industrial Trade: A Case for Namibia's Green Hydrogen Developments	Shepherd M Nyambe	University of Namibia	
09:20 – 09:35	Integrating Agro-Ceramic Waste in Clay-Based Porous Ceramics for Eco-Friendly Cooling Applications Online	Windnigda Zoungrana	WASCAL	Towards Sustainable and Just Green Hydrogen Futures in Namibia – Insights from National and Local Perspectives Online	Sophia Keller	Institute for Social-Ecological Research (ISOE)	











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09:35 – 09:50	Valorisation of Okara (Soy pulp) and Yam peels for bioenergy: effect of anaerobic co-digestion on biogas generation Online	Romance Gloire Aviansou	WASCAL	Assessment of Prospective Partners for E-Fuels Production in West Africa: Case of Mali and Côte d'Ivoire Online	Bintou Traore	WASCAL
09:50 – 10:15	Assessment of the Bioenergy Potential of Guinea Grass for Anaerobic Digestion in Ghana	James Darmey	Universität Rostock	Exploring the Integration of Renewable–Powered Desalination for Green Hydrogen Production in Arid Regions: A Case Study of Namibia	Loini N. Paulus	SASSCAL and German higher education and federal Research
10:15 – 10:35	Tea Break					

	Session 3: Biomass and Waste as a Sustainable Resource Moderator:			Session 4: Green hydro regulatory framework, in		
Time	Title	Speaker	Institution	Title	Speaker	Institution
10:35 – 11:00	Comparative Analysis of Chemical Compositions in Sewage Sludge from Diverse Sources and Treatment Processes for Utilisation in Building Material Production	Deogratius Marenge	Ardhi University	South Africa – Namibia Green Hydrogen Corridor: Skills Development	Paul Thiele	Stellenbosch University
11:00 – 11:15	Assessment of Temperature Variation on Quantity and Quality of Cocoa Husk Biochar Using an Improved Traditional Kiln Online	David Kabutey Akuaku	Kwame Nkrumah University of Science and Technology	Bio-hydrogen from coconut shell waste <i>Online</i>	James Kargbo	WASCAL











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11:15 – 11:30	Synthesis of Bioenergy from Agricultural and Forestry Wastes in Nigeria: A State-of-the-art Review Online	Suleiman Usman Yunusa	Ahmadu Bello University Zaria, Nigeria	Synthesis and Characterization of high High-Entropy Alloys for Hydrogen Storage Applications Online	Paulina Uukanga	University of Namibia
11:30 – 11:45	Enhancing Biogas Production from Biochar-amended Tannery Solid Waste Online	Prof. Venkata Ramayya Ancha	Jimma University	Green synthesis of mesoporous anatase TiO ₂ nanoparticles using starch template and their photocatalytic activity for water purification and hydrogen production <i>Online</i>	Thandiwe N. Chaka	University of Namibia
11:45 – 12:00	Assessment of the bioenergy potential of cassava peels in Togo: Biogas and hydrogen production and life cycle assessment <i>Online</i>	Abiré Pagousoou	WASCAL	Techno-Economic Analysis of Hybrid Renewable Energy Systems for Off-Grid Power Supply and Hydrogen Production: A case study of the Yalgo community, Burkina Faso Online	Mamoudou Diacouri	WASCAL
12:00 – 12:15	Comparative Analysis of Bioethanol Production in Ghana and West Africa: Capabilities, Challenges, and Transferable Practices. Online	Faustina Asiedu	WASCAL	Optimisation of PEM Electrolyser Using Data- Driven Techniques Online	David Ananias	University of Namibia
12:15 – 12:30	Characterization of restaurant food waste and potential for scaling up biohydrogen production under a circular economy perspective <i>Online</i>	Djangbadjoa Gbiete	Universität Rostock	The Role of Green Hydrogen as a Seasonal Storage Solution for Achieving 100% Renewable Energy Systems in 2040: The case of São Vicente Island, Cape Verde Online	Abdulazeez Ilyasu	WASCAL











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12:30 – 12:45	A Comparative Environmental Life Cycle Assessment of Rice Husk Briquette and Charcoal Online	Suleiman Usman Yunusa	Ahmadu Bello University Zaria, Nigeria	Synergistic Effect of Ti3C2Tx MXene on g- C3N4/ZnFe2O4 Nano- Composite for Photocatalytic Solar Fuel (H2) Production via Water-Splitting Online	Umar Muhammad Dankawu	Federal University Dutse
12:45 – 13:45			Lunch Br	eak		
		, and Cultural Aspects of the African context Moderator:	of harnessing green	Session 4: Green hydro regulatory framework, in		
Time	Title	Speaker	Institution	Title	Speaker	Institution
13:45 – 14:10	Transforming Agricultural Waste into Renewable Resources: A Circular Economy Solution for Botswana via Containerized Poultry Litter Pyrolysis	Dr. Daniel E. Botha	Nucarbon Technology Pty Ltd	Feasibility of Hydrogen Storage for Long-Term Energy Storage in Tsumkwe Solar Photovoltaic Mini- Grid, Namibia	Prof. James Katende	Namibia University of Science and Technology
14:10 – 14:35	Does renewable energy adoption enhance households' investment in energy efficiency? A case study from the Centrale region of Togo	Dr. Bawoupati Bitassa	WASCAL	Assessing Future Viability of Green Hydrogen Production from Hydropower under Climate Change in the Niger River Basin, West Africa	Emmanuel Olorunyomi Aremu	WASCAL
14:35 – 15:00	Bridging Science and Stewardship: Integrating Climate Science and Adaptive Land Management in Southern Africa - Lessons from SASSCAL: A Review	Dr. Musonda Ng'onga	SASSCAL	Harnessing offshore wind energy for green hydrogen production in Namibia: A pathway to energy security and sustainability	Tiyani Unkarabile Mlilo	Namibia University of Science and Technology
15:00 – 15:25	Balancing Societal and Ecological Resilience: A Critical Analysis of the Interface Between Conservation and Green Hydrogen Operations in Namibia (2022-2026)	Ester Ishiwa Haikola	???	Green Hydrogen Developments in Namibia under SASSCAL	Fenni M.T. Shidhika	SASSCAL











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15:25 – 15:50 15:50 – 16:10	Extraction of Ca, Mg from borehole water and brine solution from Daures GH2 village	Prof. Ateeq Rahman	??? Tea Bro	Feasibility Analysis of a Floating Photovoltaic (FPV) System for Green Hydrogen Production: A Case Study of Ikere-Gorge Dam, Oyo State, Nigeria.	Emmanuel Olorunyomi Aremu	WASCAL
	ica Dicar					
	Session 5: Health, environmental, and Cultural Aspects of harnessing green energy in the African context Moderator:			Session 6: Recycling of valuables Moderator:		
Time	Title	Speaker	Institution	Title	Speaker	Institution
16:10 – 16:25	GIS-Based Route Optimization for Sustainable Waste Management: A Review of Urbanization, Waste Generation, and Health Impacts in Nigeria and Globally Online	Sunday O. Academe	Covenant University	Simulation of Syngas Recovery from Supercritical Water Gasification of Municipal Solid Waste Online	Dr. Kanlanféi Sambiani	WASCAL
16:25 – 16:40	Circular Economy: Barriers and Drivers in the Food Industry in Sierra Leone <i>Online</i>	Charles Turay	University of Makeni	Interaction of Operating Parameters on the Quality of Liquid Fuel Recovered Through the Thermal Pyrolysis of Individual and Mixed Plastic Waste Online	Muhammad Ziad	Water and Sanitation Services Peshawar
16:40 – 16:55	Women, Waste, and Energy: Exploring Feminist Pathways in Africa's Green Fuel Future Online	Dr. Amy Kebe	Cheikh Anta Diop University	SONAGED's Innovative Lithium Battery Waste Storage to Advance a Circular Economy in Senegal Online	Lhyxzas Tchimboungou	SONAGED
	Session 7: Development		Session 6: Recycling of valuables			
	Moderator:			Moderator:		











Time	Title	Speaker	Institution	Title	Speaker	Institution
16:55 – 17:20	Life Cycle and Circularity	Neill Bartie	Helmholtz-	Waste-to-Energy	Pierre Claver	GIZ Burundi
	Assessment of Green Liquid	T (OIII Builtie	Zentrum Berlin	Conversion	Nahayo	OIL Duranar
	Fuel Gas: A renewable		für Materialien	Conversion	Training	
	alternative to LPG for clean		und Energie			
	cooking in Southern Africa		and Energie			
17:20 – 17:45	Assessing the Role of	Lydia Nduka	Malawi	Mapping Urban Organic	Sebastian	DBFZ
17.20 17.10	Decentralized Green Hydrogen	Aremu	University of	Waste in Sub-Saharan	Semella	DBIE
	Technologies in Advancing	7 Hema	Business and	Africa: A Spatial Dataset	Semena	
	Sustainable Green Building		Applied	for Circular Economy		
	Development in Africa		Sciences.	Planning		
	Bevelopment in 7 tirea	Session 7: Developm				
		Session 7. Developin	Moderator:	nu mpiementation		
Time	Title	Title		Speaker	Institution	
17:45 – 18:10	Methodology to Assess Circularity Strategies in the		Cleide B. Costa		ADAI-LAETA & ISPTundavala	
	Construction Sector in Angola					
18:10 – 18:25	From Waste to Resource: Advancing Circular Water		Sophia Keller		Institute for Social-Ecological	
	Economies in Namibia through a National Water			•	Researc	h (ISOE)
	Reuse Strategy					
	Online CS					
18:25 – 18:40	− 18:40 The development of the biofuel supply chain as a Ib		Ibrahima l	Nyankoye Kpohomou	WASCAL	
	substitute fuel in Guinea					
	Online					
18:40 – 18:55	Stranded Infrastructure: North Africa (Egypt)		Abiyo Gladys		Ashesi University	
	Online			,		•
18:55 – 19:10	Decentralized Biohydrogen Pathways for Sustainable		Ndey Fatou Ann		WASCAL	
	Bio-Urea Synthesis in West African Agriculture.			-		
	Online					
20:00 - 22:30	Gala Dinner & Closing Session					
		•		8		











Site Visit (Day 3 – 5)

Date	Activities	Overnight					
23 October 2025	Depart from Windhoek to Cleanergy (Through the NN Park)	Swakopmund					
	Site Visit at Cleanergy						
	Visit Salt Evaporation Ponds/Pink Lakes/						
	Travel to Swakopmund						
24 October 2025	Travel to Daures	Daures, Cape Cross, Henties Bay					
	Site Visit at Daures						
25 October 2025	Return to Windhoek	Windhoek					
End of Conference							