



Sustainable Industries Conference SOUTH AFRICA

11-12 SEPTEMBER 2024, CSIR ICC, PRETORIA



INCORPORATING



International Eco-industrial
Parks & Areas



Sustainable
Foundries
Workshop

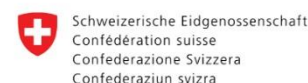
PROGRAMME SUMMARY

08:30 – 17:00, 11 & 12 September, CSIR ICC and Oline ([click here for online options](#))

Day 1: Wednesday 11 September 2024

08:00 – 08:30	Registration, refreshments and engaging exhibitors (ICC Foyer)	
	Opening Plenary – Diamond Auditorium	
Session 1: 08:30 – 10:30	Welcome	Julie Wells, Business Support Manager, NCPC
	Introduction by the NCPC	Ndivhuho Raphulu, Director NCPC and Manager, Industry Support Programmes, CSIR
	Plenary Discussion: The implications and imperatives of decarbonisation for industry (MS Teams link)	Moderator: Mike Mulcahy, Chief Executive Officer, GreenCape and CSIR Board Member Panel members: - Diego Masera, Country Representative for Southern Africa, United Nations Industrial Development Organization (UNIDO) - Shameela Soobramoney, Chief Executive Officer, National Business Initiative (NBI) - Prof Mark Swilling, Presidential Climate Change Commission - Hendrik De Villiers, Head: Environmental Sustainability, Hulamin
Tea (10:30 – 10:45)		

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	Breakaway 1: Diamond Auditorium	Breakaway 2: Ruby Auditorium	Emerald Room
Day 1 Session 2: 10:50 – 12:45	Smart solutions for industry (MS Teams link)	Practical applications: Circularity (MS Teams link)	
	- Data observatory platforms, using big data for carbon and resource monitoring (CSIR Advanced Manufacturing) - Best practices in data collection and management for monitoring, reporting and finance applications (NCPC/ NEURA Solutions) - Case study: Digitalisation of the Corporate Sustainability Reporting Directive (CSRD) requirements for Environmental Reporting (ArcelorMittal & PWC) - Speakers Q&A	- NCPC circular approach to the disposal of confiscated goods (NCPC) - Circularity case study: use of steel waste in road construction (Tailor Made) - Circular initiatives in mining sector: coal slurry into products (Dziphathu Green Tech /MC Mining) - Panel Q&A	International Eco-Industrial Parks & Areas Conference Closed Session
Lunch (12:45 – 13:20)			
Day 1 Session 3: 13:30 – 15:00	Enabling solutions for industry (MS Teams link)	Practical applications: Resource Efficiency (MS Teams link)	
	- Unlocking Africa's industrial potential: Leadership and STEM convergence for sustainable growth (WSU) - The role of renewable energy aggregation in reducing the risks and costs of decarbonisation for industry (Africa GreenCo) - Industry applications of Green Hydrogen (CSIR Energy Centre) - Speakers Q&A	- Best practice example: Resource Efficiency for the Dairy Sector in South Africa (IFC) - Energy Management Systems implementation at Coega Development Corporation (NCPC) - Water optimisation in a clothing and textiles company (ACA Treads)	International Eco-Industrial Parks & Areas Conference Closed Session
Tea (15:00 – 15:20)			
Day 1 Session 4: 15:30 – 17:00	Closing Plenary - Policy & NCPC Support (MS Teams link)	International Eco-Industrial Parks & Areas Conference	
		Eco-Industrial Park Energy (MS Teams link)	
	- The implications of climate change policy - the National Climate Change Act, 2024 (DFFE) - DSI Circular Economy Strategy (Circular Innovation South Africa; STI4CE) - Closing remarks and the support by the NCPC South Africa	- UNIDO’s Green Hydrogen Industrial Clusters (UNIDO) - Advancing Sustainability: Implementing Energy Efficiency Opportunities in Eco-Industrial Parks (GEIPP Indonesia) - Transformation of Industrial Parks into Positive Energy Industrial Spaces (UNIDO SARO) - Perspective from the tenant level (ELIDZ)	
17:15 – 19:00	Networking event (by invitation)		

Day 2: Thursday, 12 September 2024			
08:00 – 08:30	Registration, refreshments and engaging exhibitors (ICC Foyer)		
International Eco-Industrial Parks & Areas Conference		NFTN Workshop	NCPC Workshop
Day 2 Session 5: 08:30 – 10:30	Eco-Industrial Park Environment	Sustainability in the metals value chain	Clothing & Textiles Workshop
	○ Keynote and Welcome: Mr Thami Klassen, the dtic ○ Keynote: Mr Diego Masera, UNIDO ○ Sustainability and Climate Finance (IFC) ○ EIP as an approach for industrial Circular Economy (UNIDO) ○ Improving environmental sustainability and compliance for SEZs in Tanzania through a Stewardship Multi Stakeholder Partnership (Wami Ruvu Basin Water Board, Tanzania) ○ Transformation towards Sustainable Chemistry - Experiences from the International Sustainable Chemistry Collaborative Centre (ISC3) (GIZ) ○ Industrial Symbiosis: Principles and Practices (UNIDO)	(MS Teams link) ○ Policy overview by the dtic ○ The role and future of foundries (NFTN) ○ Technologies & trends (NFTN) ○ Capabilities and skills in the foundry sector (Ozone 2020 Skills Development)	Enabling Policy and Regulatory Environment (MS Teams link) ○ Policy and regulatory frameworks to support a circular textile economy (DFFE) ○ Clothing and Textiles Industry study (TIPS) ○ Regulations to promote circular design, material selection, and waste reduction (NCPC) ○ Policy findings of the GEF/UNIDO Circular Economy Textile and Garment Project (ICLEI Africa)
Tea (10:30 – 10:50)			
Day 2 Session 6: 11:00 – 12:40	Eco-Industrial Park Social performance	Sustainability in the metals value chain	Clothing & Textiles Workshop
	○ Engagement of an industrial park with multiple stakeholders through the stewardship approach (Industrial Park Development Corporation, Ethiopia) ○ Youth and EIPs – The case of MozYouth in Mozambique (MozYouth Mozambique)	○ Understanding the impact of the Carbon Border Adjustment Mechanism, CBAM (TIPS) ○ Results of the foundry sector carbon footprint study (NCPC) ○ Response to CBAM and decarbonisation in metals: panel discussion.	Sustainable Resource Management ○ Opportunities and best practice in textile waste recycling (Brits Nonwoven) ○ Success story: sustainable chemical and waste management (Imraan Textile Mills)

Day 2: Thursday, 12 September 2024

	- Skills survey and skills gaps identification for Eco-Industrial Parks in South Africa (AIH) - Leveraging women's entrepreneurship – experiences from ALEAP India (Association of Lady Entrepreneurs of India) - Leading the Way in Sustainable Community Development in Peru (Piura Futura Industrial Park, Peru)	(MS Teams link)	Chemical Management in Clothing and Textiles companies (Zero Discharge for Hazardous Chemicals) (MS Teams link)
Lunch (12:40 – 13:20)			
International Eco-Industrial Parks & Areas Conference		NCPC Workshops	
Day 2 Session 7: 13:30 – 15:00	Eco-Industrial Park Management	Accessing Green Finance (MS Teams link)	Clothing & Textiles Workshop (MS Teams link)
	- Standard operating procedures for industrial parks – increasing sustainability and resilience of industrial spaces through SOPs (NCPC) - National EIP Standards in Colombia (GEIPP Colombia) - International Eco-Industrial Park Certifications System (World Bank)	An introduction to financing mechanisms for sustainability interventions and how to access them. - Green finance landscape (DBSA) - Accessing green finance – who, how and when? (EY Cova) - Industry case study (Excellent Holdings)	- Intex PEF and eco-innovation aspect and case studies (CARES) - Q&A / Panel Discussion: hazardous chemicals/textile waste
Tea (15:00 – 15:15)			
Day 2 Session 8: 15:15 – 17:00	Eco-Industrial Park Tools and Approaches	Accessing Green Finance (MS Teams link)	
	Eco Industrial parks framework (EIP), Alliance for Water Stewardship Standard (AWS Standard), Natural Resources Risk and Action Framework (NRAF) – different approaches for sustainable industrial areas – differences, complementarities and synergies (A4WS & GIZ NatuReS)	- NCPC solutions: Practical applications of financing mechanisms for sustainability interventions and developing bankable business proposals. - Panel discussion: bridging the gap between application and acceptance of green finance proposals.	

Day 2: Thursday, 12 September 2024			
	○ Sustainable Industrial Area Transformation: GIZ Tools and Approaches (GIZ) ○ UNIDO EIP Tools to Support the Life Cycle of an Eco-Industrial Park (UNIDO) ○ Advancing Gender Equality in Eco-Industrial Parks (UNIDO) ○ Closing remarks (the dtic)		
17:00	Conference concludes.		

Thank you for joining us!

Be sure to watch the sessions you missed on our YouTube Channel in due course.

Presentations will be shared via follow-up email.

