UNITED NATIONS
INDUSTRIAL DEVELOPMENT ORGANIZATION

A2D Accelerate to Demonstrate Facility

Partners: UK Government

Accelerate-to-Demonstrate (A2D) Facility Annual Event

Safeguards for Scale: De-risking the Clean Energy Transition through Environmental and Social Standards

Wednesday, May 21st, 09:00 – 10:30pm (EAT)

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Session Agenda

Time	Activity
9:00-9:05	***Welcome and Setting the Scene:*** Framing the Importance of Gender and Social Inclusion in Clean Energy Demonstration Projects ***Lorena Alberte, GESI – ESS Project Lead A2D Facility, UNIDO***
9:05 – 10:00	**Panel Discussion: Scaling Clean Energy through Environmental and Social Safeguards** *Panellists:* •Ms. Yunae Yi, Director on the Board of the International Association for Impact Assessment (IAIA) •Ms. Regina Mwenyango, Senior Industrial Development Officer, Global Green Growth Institute (GGGI) •Mr. Benedict Muyale, Senior Officer, National Environmental Trust Fund (NETFUND) •Ms. Leah Mpinga, Research Associate, H2 Global Foundation •Mr. Jerome Namaseb, Chief Executive Officer of the Daures Green Hydrogen Village •Ms. Osato Chioma Ehimare, ESG Manager, Cross Boundary Energy
10:00 – 10:20	**Fireside Chat: ESS as a Catalyst for Investment Readiness**
10:20 – 10:30	Q&A Session and Wrap-Up *Lorena Alberte, GESI – ESS Project Lead A2D Facility, UNIDO*

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Panel Discussion
Speakers

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INDUSTRIAL DEVELOPMENT ORGANIZATION

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Ms. Yunae Yi

Director, Board of the International Association for Impact Assessment (IAIA)

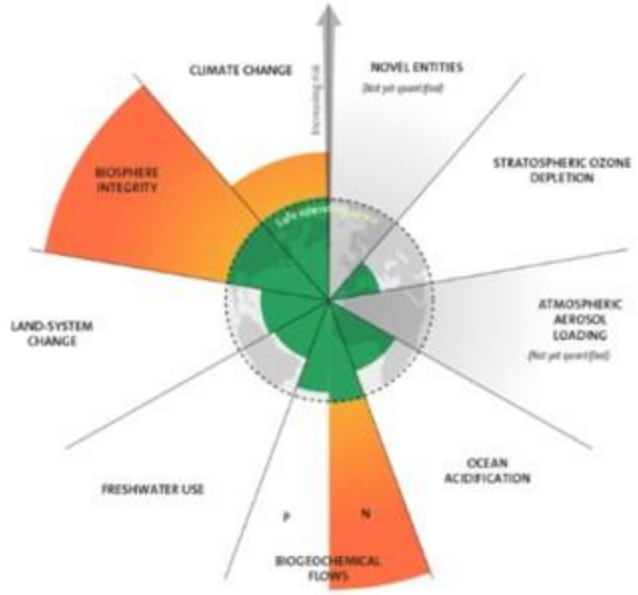
MAKING THE CASE TO SAFEGUARD ITS IMPORTANCE

Yunae Yi, Ph.D


POLLUTION
CLIMATE CHANGE
BIODIVERCITY LOSS

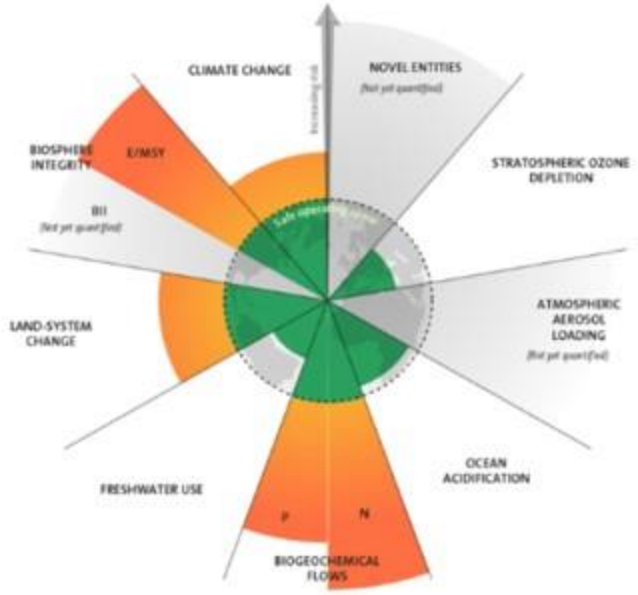
Nine Planetary Boundaries

2009



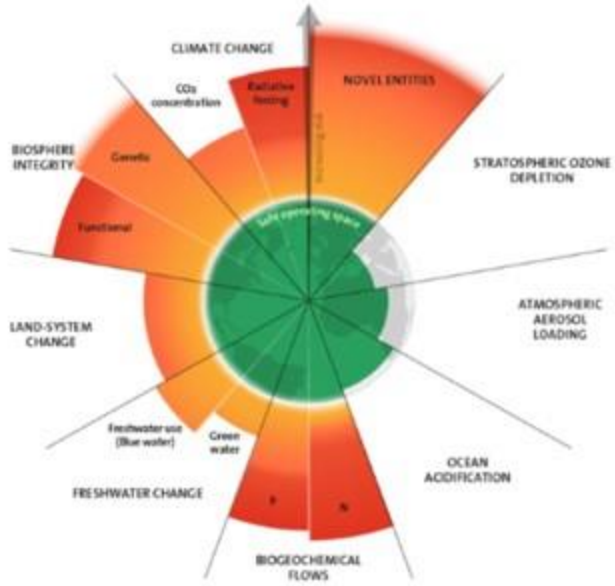
7 boundaries assessed,
3 crossed

2015



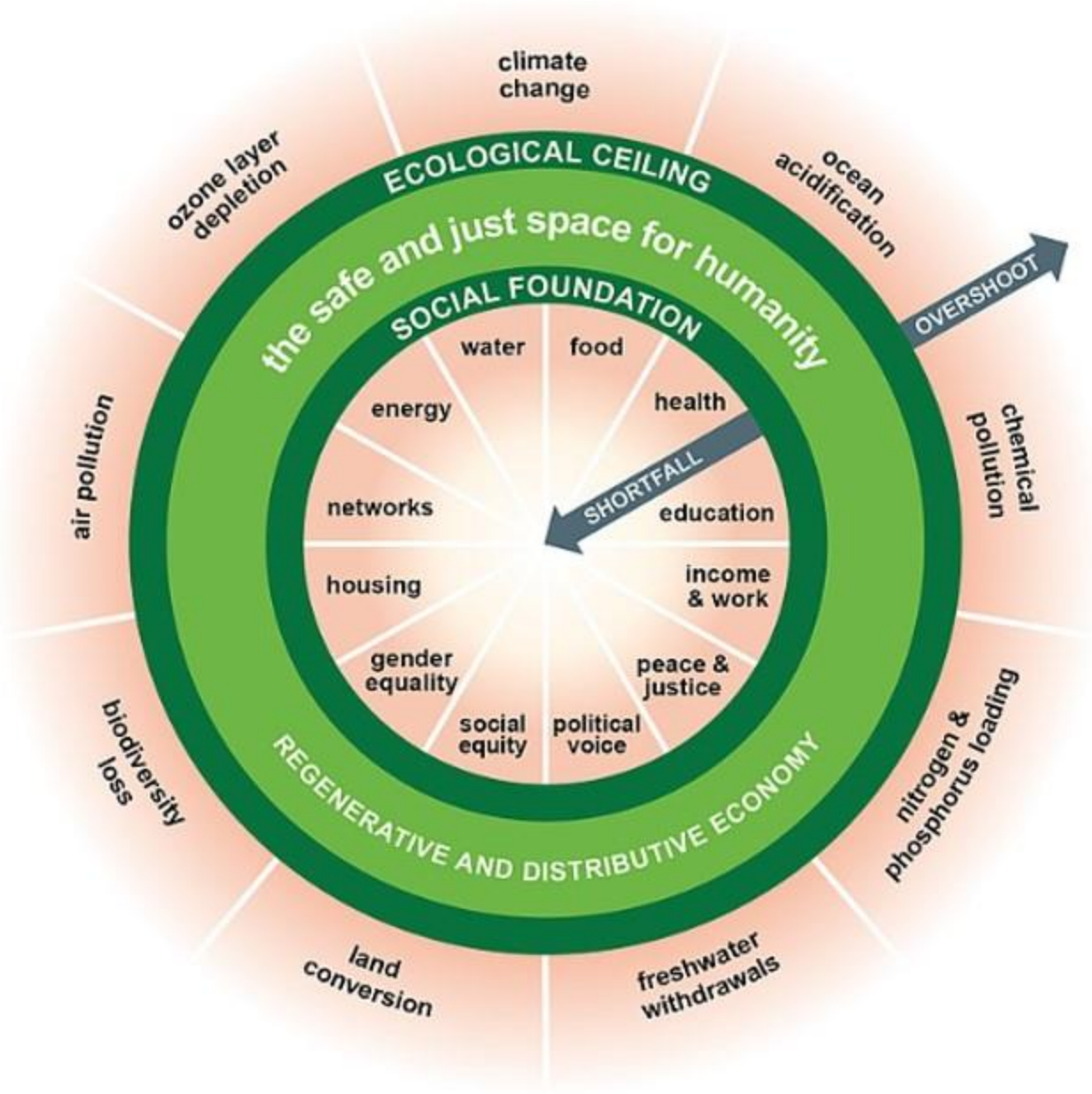
7 boundaries assessed,
4 crossed

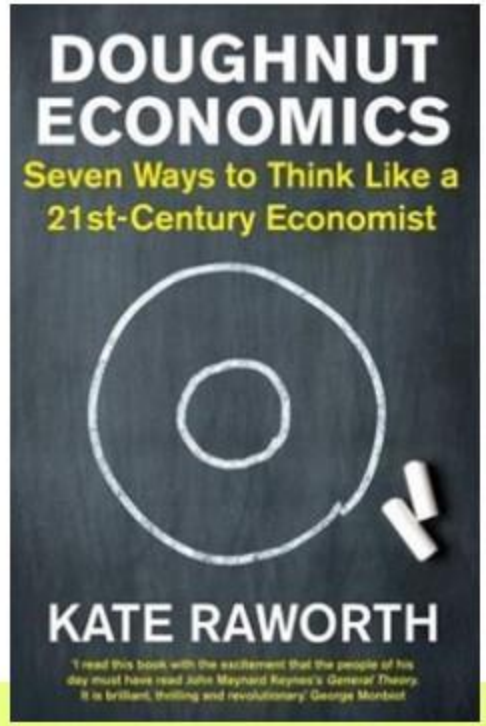
2023



9 boundaries assessed,
6 crossed

Stockholm Environment Institute


climate change
ocean acidification
chemical pollution
nitrogen & phosphorus loading
freshwater withdrawals
land conversion
biodiversity loss
air pollution
ozone layer depletion
ECOLOGICAL CEILING
the safe and just space for humanity
SOCIAL FOUNDATION
OVERSHOOT
SHORTFALL
water
food
health
education
income & work
peace & justice
political voice
social equity
gender equality
housing
networks
energy
REGENERATIVE AND DISTRIBUTIVE ECONOMY


DOUGHNUT ECONOMICS
Seven Ways to Think Like a 21st-Century Economist
KATE RAWORTH

Economic Development

Environmental Sustainability

Human Rights & Gender Equality

UNEP Environmental and Social Sustainability Framework (ESSF)

Guiding Principles
Sustainability and Resilience
Human rights, Gender Equality, and Women's Empowerment
Leave No One Behind
Accountability

Safeguard Standards
1. Biodiversity, Ecosystems and Natural Resource Management
2. Climate Change and Disaster Risks
3. Pollution Prevention and Resource Efficiency
4. Community Health, Safety, and Security
5. Cultural Heritage
6. Displacement and Involuntary Resettlement
7. Indigenous Peoples
8. Labour and Working Conditions

Human Rights-Based Approach

- Applying **human rights for all**
- **Meaningful and inclusive** participation and access to decision-making
- **Informed** consultation
- Non-discrimination and **equality**
- Leave No One Behind (**LNOB**)
- **Accountability** and rule of law for all
- **Transparency** and access to information

https://ishr.ch/latest-updates/celebrating-25-years-of-the-un-declaration-on-human-rights-defenders/


I KNOW YOU ARE MARGINALISED
THAT'S WHY I AM HERE. SO
WHEN I TALK YOU LISTEN,
AND WHEN I SAY YOU DO!

Demands for Environmental Justice

2021: Sued by a coalition of NGOs over its sale of beef linked to illegal deforestation in the Amazon & abuses of the rights of Indigenous Peoples

2021: Sued by a coalition of NGOs over its active contribution to climate change & human rights abuses

Senior Swiss ladies against the slow Gov't Action against the CC

The courageous Board Members

Our brilliant Lead Lawyer

Korean Children against the CC policy of the Government

April 2025

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29 Apr 2025
Swedwatch

EDF, KLP Asset Management, Sumitomo Group, TotalEnergies (formerly Total), BNDES, ...

Wind energy, Solar energy, Hydropower &

Article

New Report: Swedwatch Warns of Threats to Human Rights Defenders in Global Renewable Energy Transition

"Defenders at risk in the green energy transition in Brazil, Honduras, Mozambique, and the Philippines." We need just, equitable, and sustainable approach for all.

Yunae Yi
Yiyunae@gmail.com

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Ms. Regina Mwenyango

Senior Industrial Development Officer
Global Green Growth Institute (GGGI)

Safeguards For Scale: De-risking The Clean Energy Transition Through Environmental And Social Safeguards

Case Study: De-risking projects through environmental and social safeguards at GGGI

REGINA MWENYANGO

13.05.2025

GGGI approach: Complete value chain approach that involves

Policy development

01

Implementation approaches

02

Tools

03

Policy Interventions

- Guidelines for setting up green industrial parks and freezones that prioritize economic, social, and environmental concerns at planning, master planning, and operations and maintenance phases.
- This is plan for resilience against environmental and industrial hazards early on, which can become economic risks.

TECHNICAL IMPLEMENTATION: Industrial Park and Free Zone implementation stages

Greenfield Industrial Park Implementation Stages

1 Stage 1 Site Selection

- Apply eligibility criteria.
- Identify relevant legislations.

2 Stage 2 Business Case Development

- Business Case.
- Leadership committee/board.
- Select Developer and Operator.
- Land acquisition and site masterplan.
- Infrastructures needs.
- Mobilize businesses and co-investors.
- Design incentives packages.
- Companies' selection.
- Marketing, KPIs skills strategy, partnerships

3 Stage 3 Setup

- Park management structure
- Land acquisition process and site masterplan.
- Lease and rental agreements
- Natural resource governance

4 Stage 4 Construction

- Update the industrial park Business Case
- Monitor green growth KPIs related to construction phase.
- Operational arrangements for the management of common infrastructures including PPP.
- Plot allocation to favor RECP and symbiosis
- Ecosystem services payment set-up
- Community infrastructure upgrade
- Vocational training

5 Stage 5 Operational

- Industrial Park Operational Plan
- Compliance and financial incentives
- Manage infrastructures and services/ One Stop Center facilities.
- Community, ecosystem or training initiatives.
- Marketing and communication

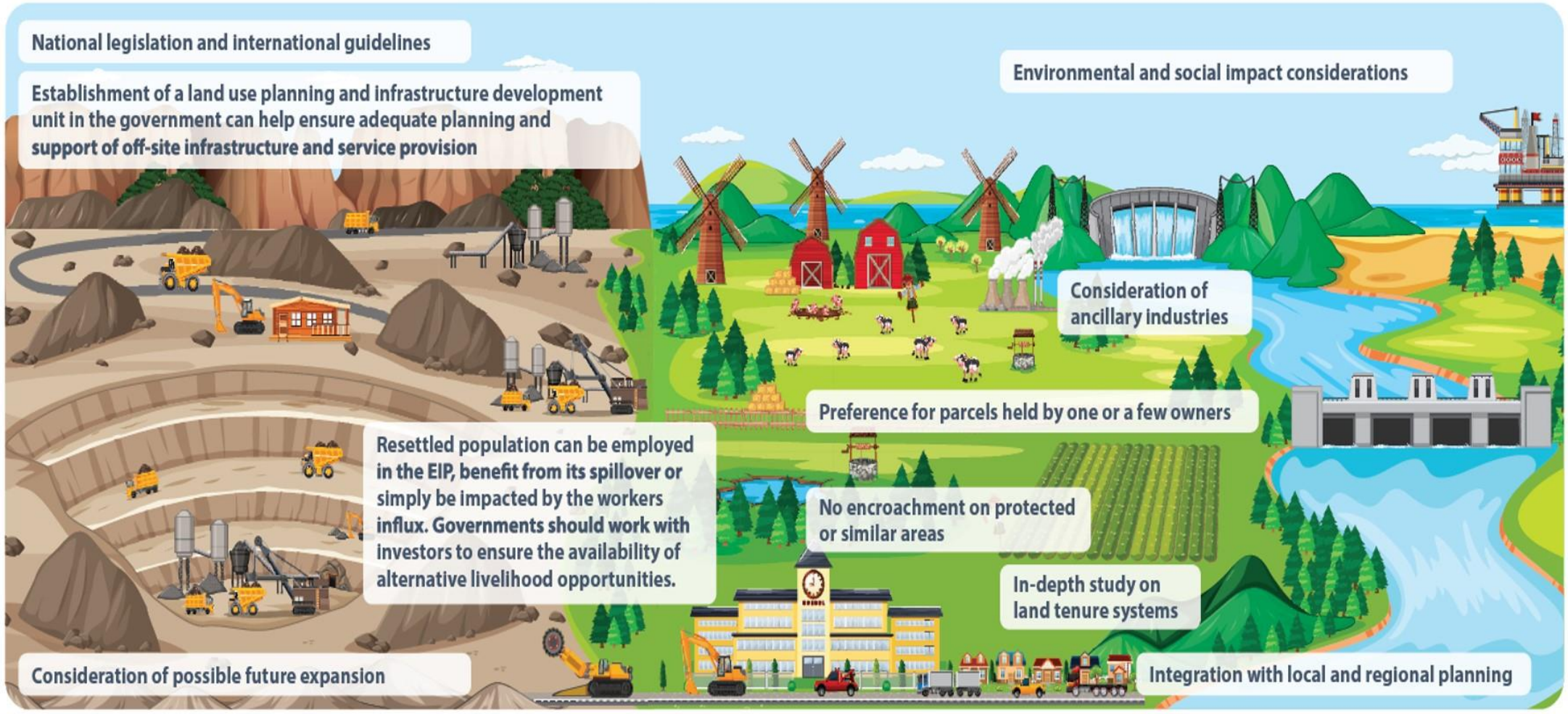
6 Stage 6 M & E

- Self- monitoring and reporting of collective performance
- Assist in individual companies Green Growth performance.
- Capacity building initiatives (ex. RECP training) and peer-to-peer learning (together with partners)
- External audits & certifications

7 Stage 7 Evolution

- Scale-up, equilibrium, merger, revitalization or spill-over of the industrial park.

EIP LAND ACQUISITION



Tools

Extended cost-benefit analysis (eCBA)

Monetizes all costs and benefits of a new program or project which might have wider social and environmental impacts on society or specific groups. Normally, when investment decisions are made, only capital expenditures, O&M and revenues are accounted.

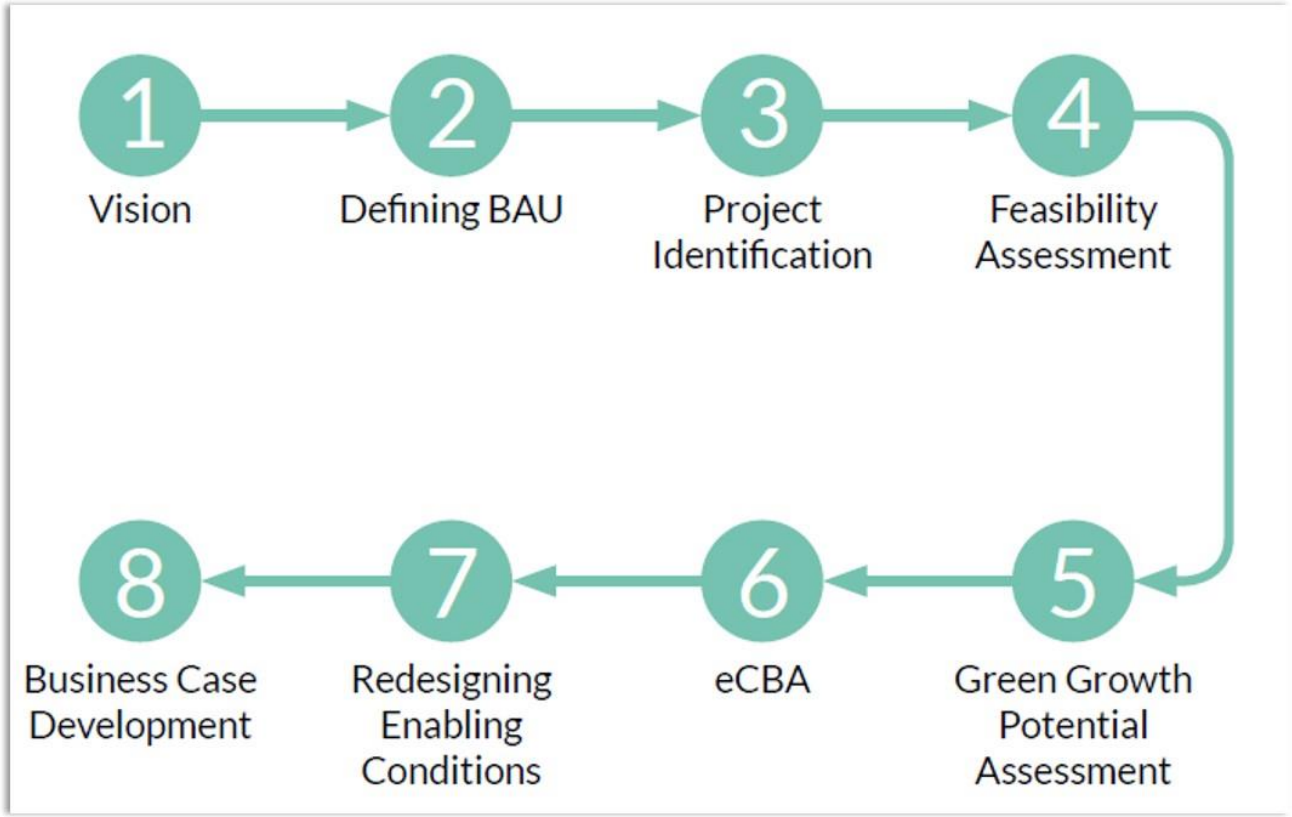
Why we need it

An eCBA can help planners and investors to optimize project and policy design and show that green investment can be economically and financially feasible. It does so by:

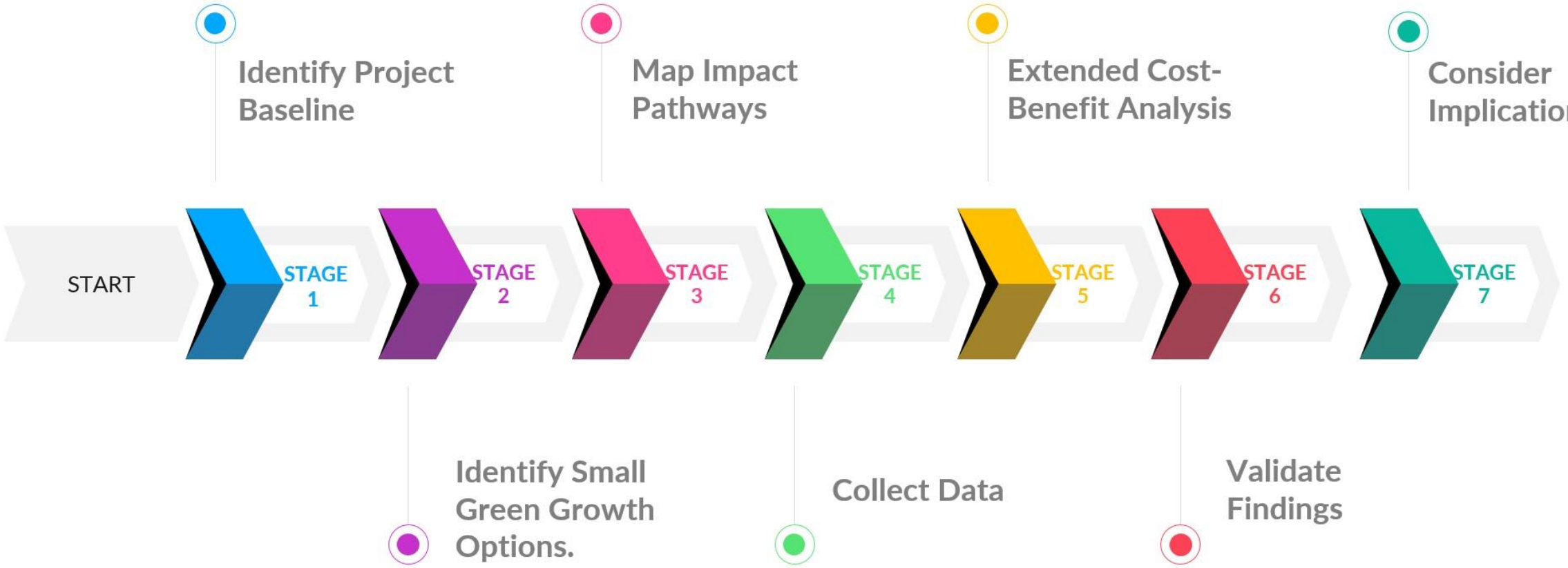
Incorporating externalities

Recognizing the value of natural capital

Taking into account the long-term sustainability of an investment, primarily by applying a social discount rate set lower than market-based discount rates



The Practical Implementation of this extended cost-benefit analysis involved 7 steps.



Other Tools

1
- UNIDO symbiosis planning tool has been modified to suit our energy projects by incorporating elements of industrial symbiosis like energy efficiency, waste-to-energy valorization, etc

2
- Modified UNIDO concept planning tool to work with our eCBA to quantify environmental externalities.

3
- ENCORE for Capitals protocol tools for identifying environmental dependencies and effects.
- Our work may not necessarily be de-risking, but introducing greening and climate action, which are other risks that projects need to be aware of.

Final Thoughts

Climate action and greening is slowly taking root in Uganda. For example, GGGI has become the go to institution for policy and investment work related to the subject. From formation of climate finance units to development of circular economy policies.

Challenge is a lot of the greening and climate action interventions are donor dependent and subject to donor funding cycles. Donor funding cycles conclude before concrete actions are developed. Implementation becomes a challenge.

However, we continue to work and have developed a host of symbiotic energy solutions in industrial parks and freezones in Uganda ranging from solar parks, waste to energy projects,

Headquartered in Seoul, Republic of Korea, GGGI currently has **49 Member States** and operations in **51 countries.**

MEMBER STATES

MEMBER STATES & OPERATIONS

PARTNER STATES & OPERATIONS

Thank you

GGGI

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Partners: UK Government

Mr. Benedict Muyale

Senior Officer, National Environmental Trust Fund (NETFUND)

NETFUND
Leading the way to a greener future

Environmental and Social Safeguards: "Beyond the Profits, Towards Impact"

Presenter Benedict Muyale, NETFUND

About NETFUND

National Environment Trust Fund (**NETFUND**) is a Kenyan state corporation mandated to:

- Mobilize
- Manage
- Disburse resources for environmental management and conservation.

It was established under the Environmental Management and Coordination Act (EMCA), 1999, section 24.

Attract & mobilize financial and technical resources from government, development partners, private sector, and philanthropy for environmental protection and sustainable development.

Vision: Sustainable financing for environmental governance and sustainable development in Kenya.

Mission: To mobilize, manage, and avail resources for sustainable environmental conservation and management initiatives.

Why NETFUND Exists?

Climate change

Forest & landscape

Biodiversity

Circular economy


ESS at NETFUND

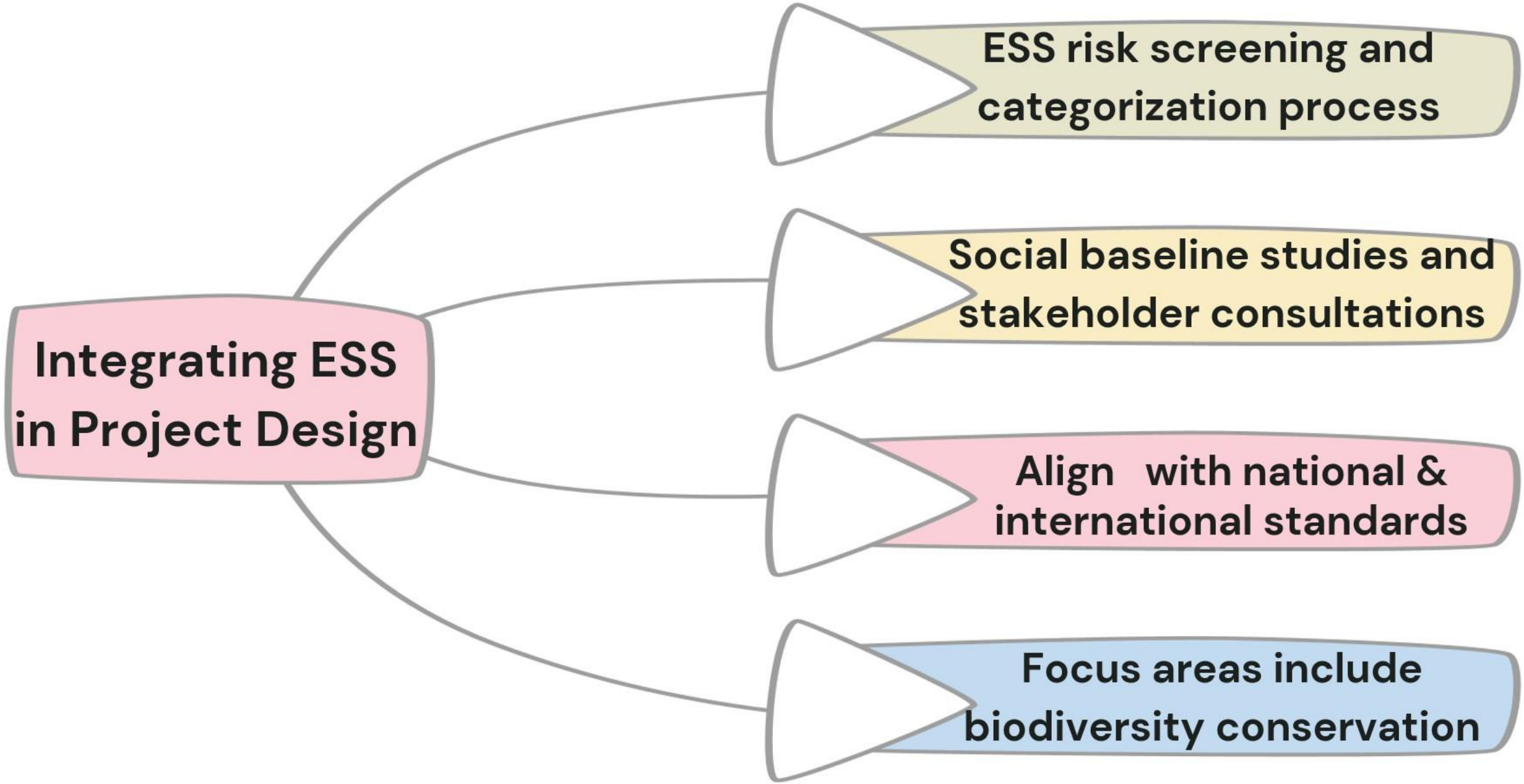
Leadership

"Our leadership is accountable for delivering sustainable impact, with people and planet at the core." — NETFUND CEO

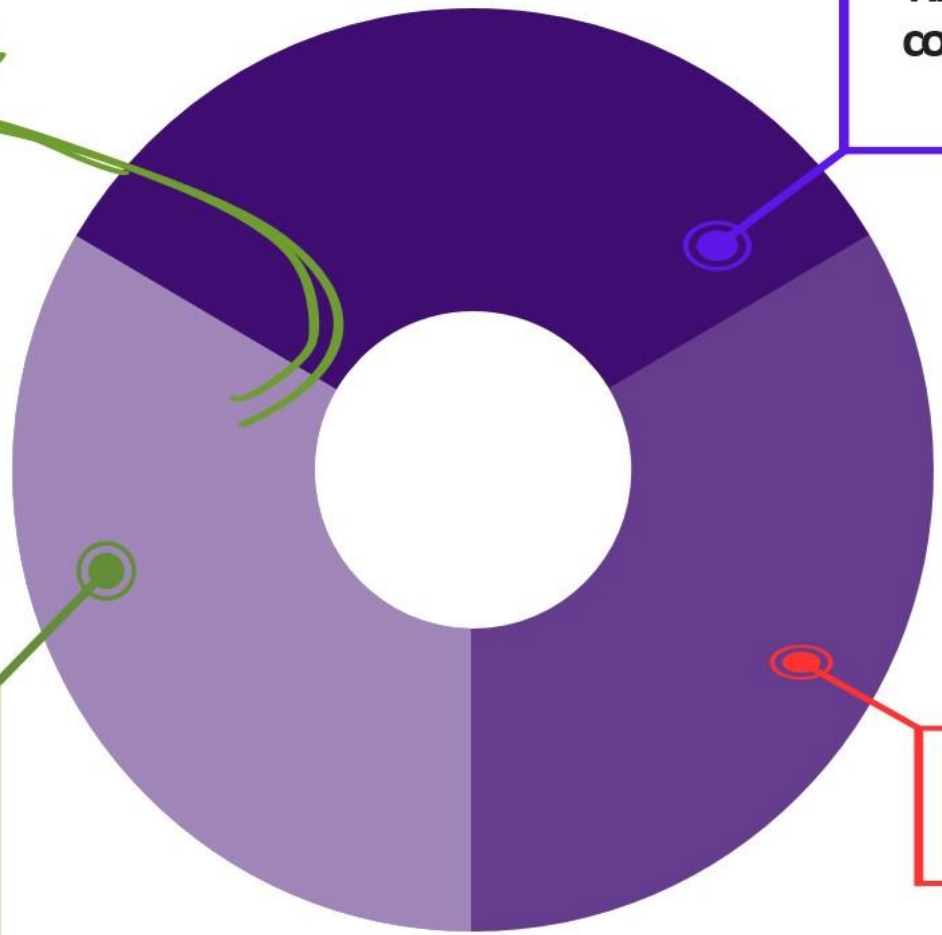
- NETFUND's Board and Executive Team have institutionalized ESS in its Strategic Plan (2023–2027).
- ESS is embedded in NETFUND's governance, guided by IFC Performance Standards and EMCA 1999.

- Commitment to social justice, inclusivity, and environmental integrity.
- Zero tolerance to environmental degradation and social harm.

The Design


Integrating ESS in Project Design
ESS risk screening and categorization process
Social baseline studies and stakeholder consultations
Align with national & international standards
Focus areas include biodiversity conservation

Safeguards Implementation in Practice



Risk mitigation strategies are continuously updated during implementation

Dedicated Environmental and Social Management Plans (ESMPs)

Monitoring indicators

Community & Stakeholder Engagement

- Participatory engagement at every project stage: design, implementation, and evaluation.
- **Tools**: FPIC (Free, Prior, Informed Consent), grievance redress mechanisms (GRMs), and public hearings.

NETFUND Green Innovations Award Programme

Green Innovations Award Programme

NETFUND Green Innovations Awards is an annual flagship programme implemented by NETFUND.

Aim: to identify and nurture innovations that contribute to the attainment of the organization's thematic areas of Climate change, circular economy and ecosystem protection and rehabilitation.

Objectives:

- ❑ To stimulate and reward green innovations and best practices that contribute to environmental sustainability and climate change action.
- ❑ To enhance the capacity of green businesses to commercialize their innovations
- ❑ To create awareness on technologies and innovations that contribute to environmental sustainability and climate change actions

NETFUND
Leading the way to a greener future

Case Example of Magiro Power

magiro
MINI HYDRO
POWER

HydroBox

NETFUND
Leading the way to a greener future

Case Example of Magiro Power

magiro
MINI HYDRO
POWER

HydroBox

Magiro's Story

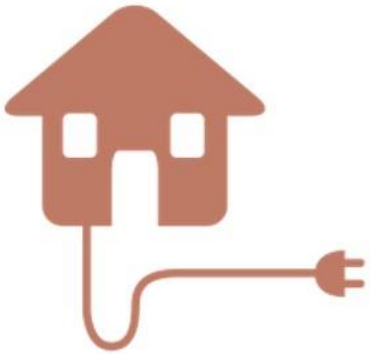
- Magiro emerged overall winner of NETFUND GIA II
- **Generated 7kWh**

NETFUND Technical & seed grant support

Start – 2013/14

Installed capacity of 280kWh

Generating 15kWh

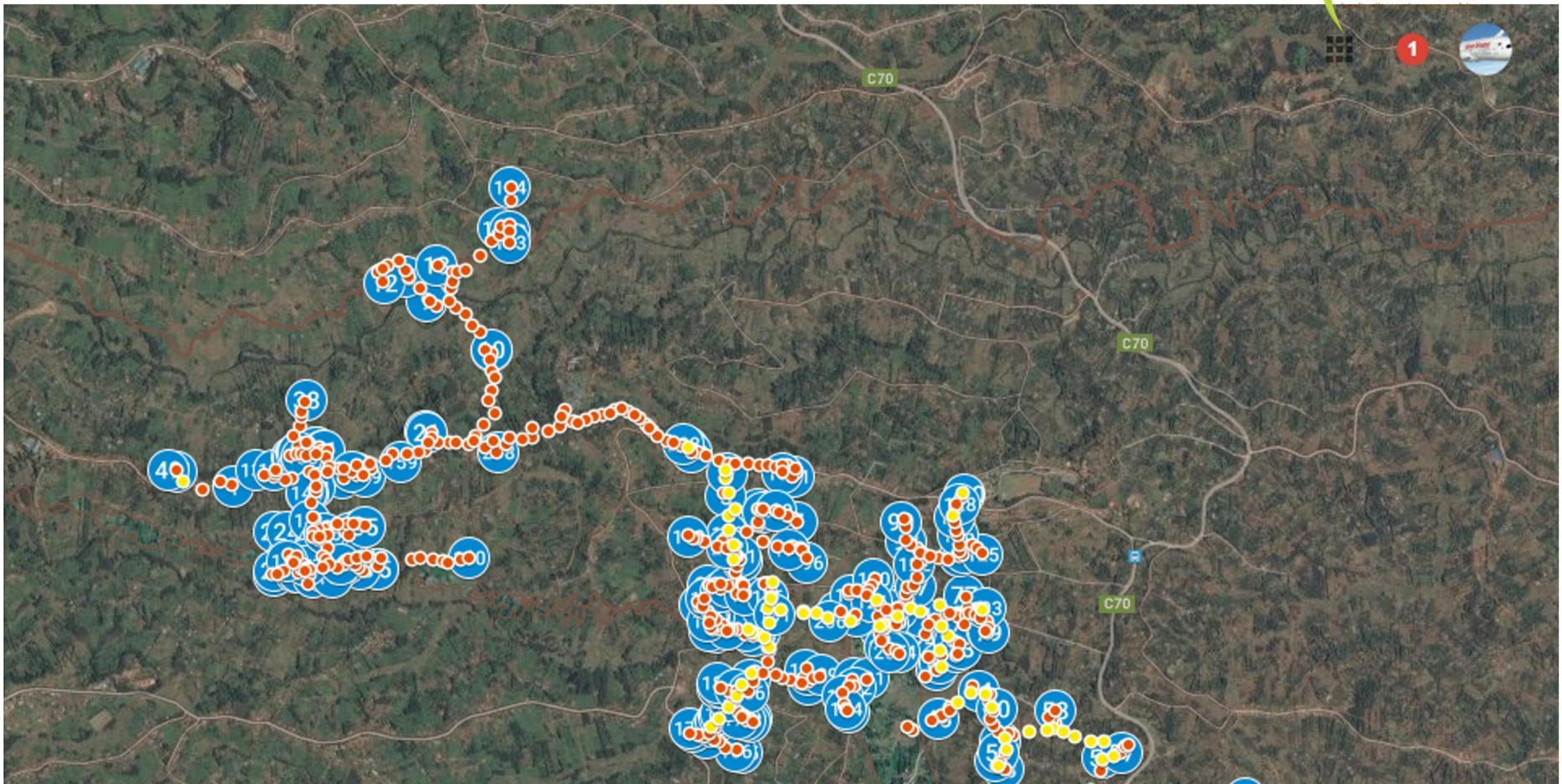


Connected 250 households

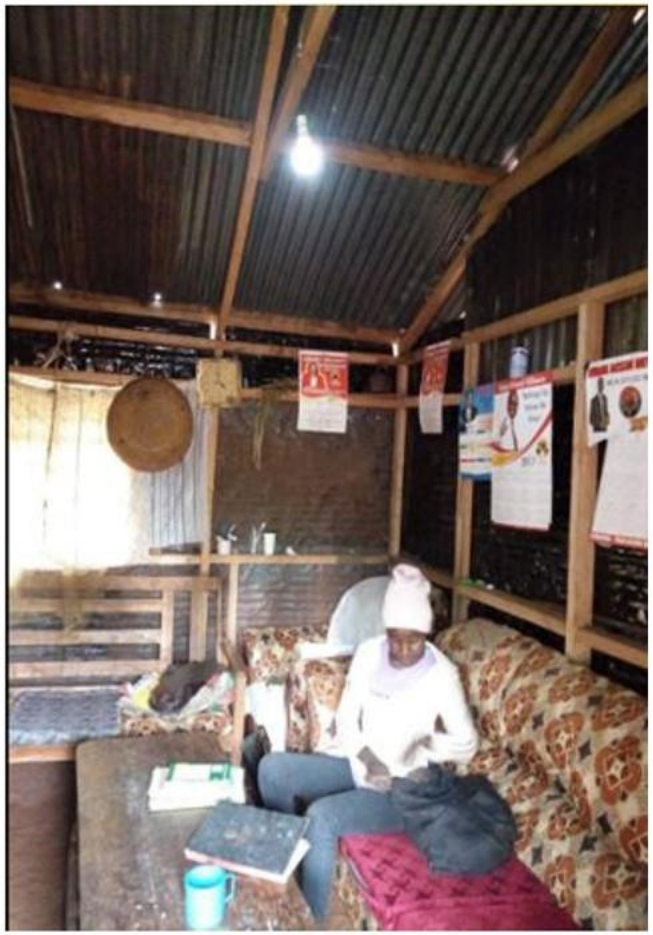
NETFUND
Leading the way to a greener future

Magiro's Story

NETFUND



Magiro's Story



NETFUND

Leading the way to a greener future

NETFUND
Leading the way to a greener future

Accelerating Connection

Launched 0.6MW hybrid hydro-solar power plant that provides clean and affordable energy to 6,000 rural households, businesses, schools and tea factory

Global Recognition

NETFUND-Hydrobox's partnership recognized as the P4G State of the Art global 2022 winner at COP27, Egypt

Thank You

National Environment Trust Fund
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Dunga Road, Industrial Area, Nairobi,
Kenya.
Tel: +254 20 2369563
Email: info@netfund.go.ke
Website: www.netfund.go.ke

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Ms. Leah Mpinga

Research Associate, H2
Global Foundation

Matter of trust
Securing a Social License to Operate for clean hydrogen projects

UNIDO Accelerating Climate Innovation: A2D Facility
Nairobi, Kenya
May 2025

H2Global

Social Licence to Operate (SLO) is a necessary condition for sector development

Definition

the level of approval that an industry, organization, or project realizes from communities and other stakeholders

Key drivers

Credibility | Legitimacy | Trust

H2Global

The challenge: build and maintain SLO for clean hydrogen projects

- Building and maintaining SLO will be essential for the successful development of the hydrogen economy, as financial/reputational/community risks associated with poor stakeholder relations are high
- Awareness of SLO exists among project developers, but not at all locations and at the scale needed

- Large scale, long-distance infrastructure connecting production and demand sites with significant footprints affect diverse stakeholder groups complicating efforts to gain/maintain SLO
- There are a myriad of SLO dimensions organizations must consider but they are context dependent and often generate tradeoffs

- Identification of best practices on how to deal with the challenges and opportunities associated with securing and maintaining a SLO for the clean hydrogen economy is essential

H2Global

SLO: Key elements prevalent across sectors*

Common elements of SLO

- Concerns regarding the preservation of the environment, landscapes, and/or biodiversity
- Economic viability of the project, including local value creation, jobs and/or price effects for consumers
- Concerns regarding health and safety of communities, including risks like explosivity, toxicity, noise and/or damages from vibrations

SLO is context dependent, varies project to project, as some elements apply only or are more pronounced per:

- Specific derivatives (e.g., toxicity or explosiveness)
- Specific production technologies (e.g., landscape protection)

*Sectors included here: extractives (hydrocarbons, mining, forestry), energy (renewable energy, hydropower, etc.) and infrastructure

Report Structure and Scope

H2Global

Report structure

1 Introduction and scope

What is a social license to operate and why we need it

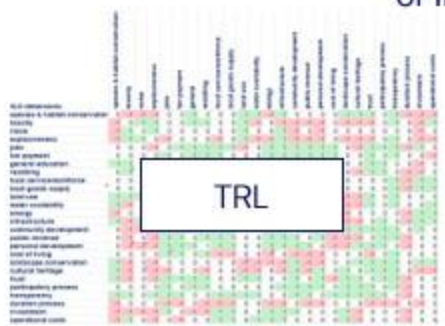
Scope: production, transport, offtake; global scope

2 Key aspects of SLO

Dimensions of SLO: key issues in hydrogen and learnings from other sectors

Discussion of synergies and trade-offs

Final deliverable: Overview table and network analysis of trade-offs



3 Overview of toolkits

Role of process: Listening to stakeholders

Overview of existing toolkits for how to engage stakeholders in large footprint projects

2 Boxes: Best practice processes

Final deliverable: Overview table toolkit elements

H2Global

Report structure

4 Deep-dive: concerns, opportunities and best practices

From process to practice: Finding and implementing solutions

In-depth discussion of the concerns and opportunities associated with hydrogen (derivatives) projects and best practices

Final deliverable: Overview table of key issues and solutions pertaining to H2 and its derivatives along the value chain

4 Boxes: Best practices for addressing key issues

	Production	Infrastructure	End-uses
Ammonia		Best practice 5	Best practice 9
Methanol		Best practice 6	Best practice 10
Hydrogen		Best practice 7	Best practice 11
...			

Best practices x supply chain

5 Recommendations

Key takeaways for decision-makers and concrete recommendations

Final deliverable: Overview table of best SLO practices (processes and solutions) for H2 and derivatives sector

H2Global

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THE DAURES GREEN HYDROGEN VILLAGE

DAURES GREEN HYDROGEN CONSORTIUM

DAURES GREEN HYDROGEN VILLAGE

MAY 2025

DAURES GREEN HYDROGEN VILLAGE (DGHV) PROJECT SUMMARY

Pilot Phase 1

- Demonstrate hydrogen, ammonia, agriculture nexus
- Phase 1 to produce 18 tons of hydrogen, 100 tons of green ammonia
- 500 tons of agricultural produce depending on mix annually
- Phase 1 operations to commence Q2 2025
- Ammonia Sulphate Fertilizer production Q4 2026

Phase 2 - 3

- 5+ GW hybrid facility producing in excess of 180k tons of hydrogen and 1m tons of green ammonia per annum
- Business casing complete with pre-feasibility and feasibility completed by Fichtner GmbH

Available Documentation

- Desktop studies on wind, solar, and topography
- 12 month Met Mast wind data and assessment report
- Conducted pre-feasibility and feasibility studies using on-site wind/solar data.
- Created project concept and executive summary with on-site resource data.
- Optimised resource setup and hybrid Wind-PV configuration.
- Developed financial and cash flow models.
- Developed export strategy.
- Developed feed, operations, and procurement strategies.

Link to project site - DGHV Pilot Site Video

PROJECT PHASING (5GW+ ENERGY)

Pilot: Phase 1

Pilot Phase
(Fully funded)

2022 - 2026

Solar: 0.74 MW
Electrolysis: 0.25 MW
Hydrogen: 18 t/ year
Ammonia: 100 t/year
Ammonia Sulphate : 100 t/year (Can be scaled 10x)

Phase 1.5

Green Fertilizer Production for Local and Regional Consumption

2026 - 2028

Solar: 72 MW
Wind: 30 MW
Electrolysis: 40 MW
Hydrogen: 3672 t/year
Ammonia: 20 000 t/year
Ammonia Nitrate & Sulphate : 24 000 t/year
Nitric Acid: 40 000 t/year

Phase 2

Regional & International Export of green ammonia

2029 - Onwards

Solar: 1.4 GW
Wind: 427 MW
Electrolysis: 782 MW
Hydrogen: 64,000 t/year
Ammonia: 360,000 t/yea
Ammonia Nitrate & Sulphate : 432 000 t/year
r

Phase 3

International Export of green ammonia

2029 – Onwards

Solar: 5.13 GW
Wind: 427 MW
Electrolysis: 2.6 GW
Hydrogen: 191,000 t/year
Ammonia: 1.08m t/year
Ammonia Nitrate & Sulphate : 1.29m t/year

DAURES GREEN HYDROGEN CONSORTIUM

DAURES GREEN HYDROGEN VILLAGE

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A2D FACILITY

DAURES GREEN HYDROGEN CONSORTIUM

DAURES GREEN HYDROGEN VILLAGE

MAY 2025

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NAMIBIAN FERTILIZER PRODUCTION

PROBLEM STATEMENT

- **Low Application Rates:** Africa has significantly lower fertilizer application rates compared to the global average, ranging from 13 to 22 kg of nutrients per hectare versus the global average of 135 kg/ha.
- **Regional Variations:** Fertilizer use varies considerably across Africa, with Southern Africa generally having higher rates than other regions. Landlocked countries often face higher fertilizer prices due to transport costs.
- **Impact on Yields:** Low fertilizer use is a major factor contributing to low crop yields in Sub-Saharan Africa. Increased and efficient fertilizer application is crucial for boosting agricultural productivity and food security. Studies show that with optimal fertilizer use, yields could potentially increase significantly.
- **Challenges to Increased Use:** High fertilizer costs, limited access due to supply chain issues, inadequate infrastructure, and low profitability for farmers are major constraints on fertilizer adoption. Farmers may also lack knowledge on appropriate application.
- **Namibia Story :** Over 35% unemployment, 40% food and energy imports, Agri is the largest employer

Gerd Müller, United Nations Industrial development Organisation (UNIDO) Director General; Lindsay Samantha Skoll, Ambassador and Permanent Representative of the United Kingdom of Great Britain and Northern Ireland and Vasco Sampofu Ambassador and Permanent Representative of the Namibia to the United Nations

DAURES GREEN HYDROGEN CONSORTIUM
DAURES GREEN HYDROGEN VILLAGE

DAURES GREEN HYDROGEN VILLAGE

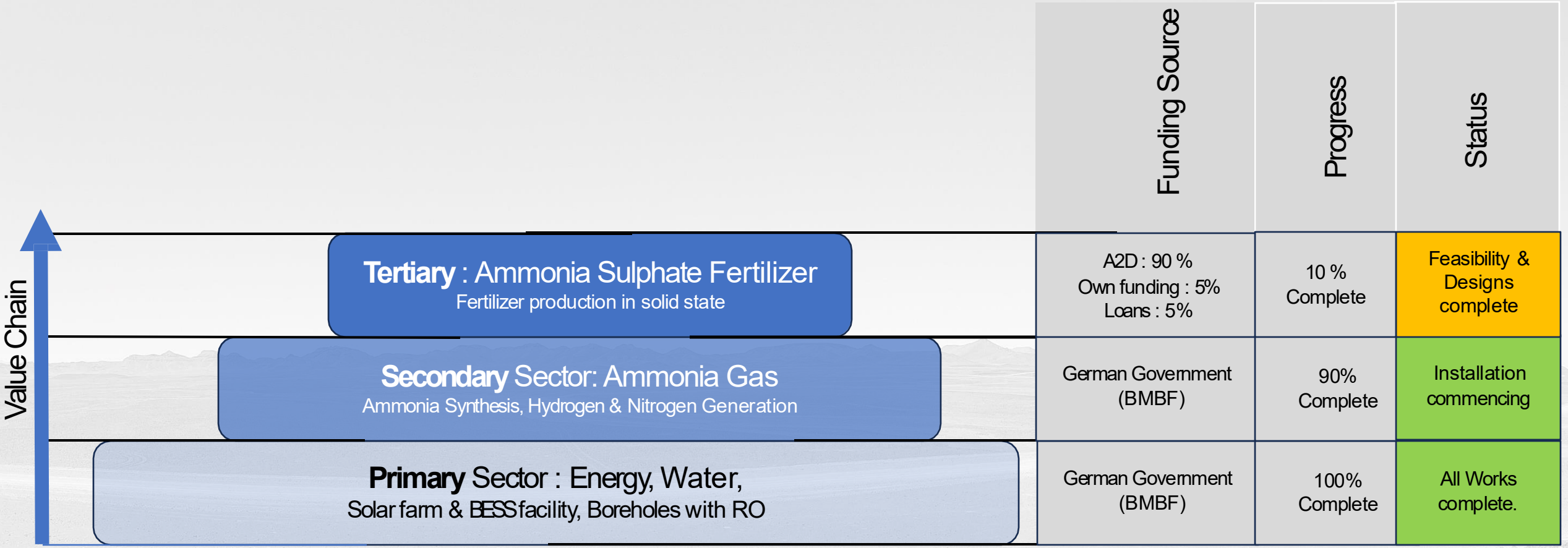
The Daures Green Hydrogen Village in Namibia is a renewable energy-driven initiative producing green hydrogen and ammonia using solar and wind power. Through electrolysis and ammonia synthesis, it aims to convert clean energy into green ammonium sulfate fertilizer, addressing two critical issues:

- **Environmental:** Reduces reliance on carbon-intensive fertilizer production, cutting greenhouse gas emissions.

- **Agricultural:** Provides sustainable fertilizer to enhance soil health and crop yields.

Traditional fertilizer production relies on fossil fuels, contributing to climate change. This project replaces polluting methods with a zero-emission process, leveraging Namibia's abundant solar/wind resources.

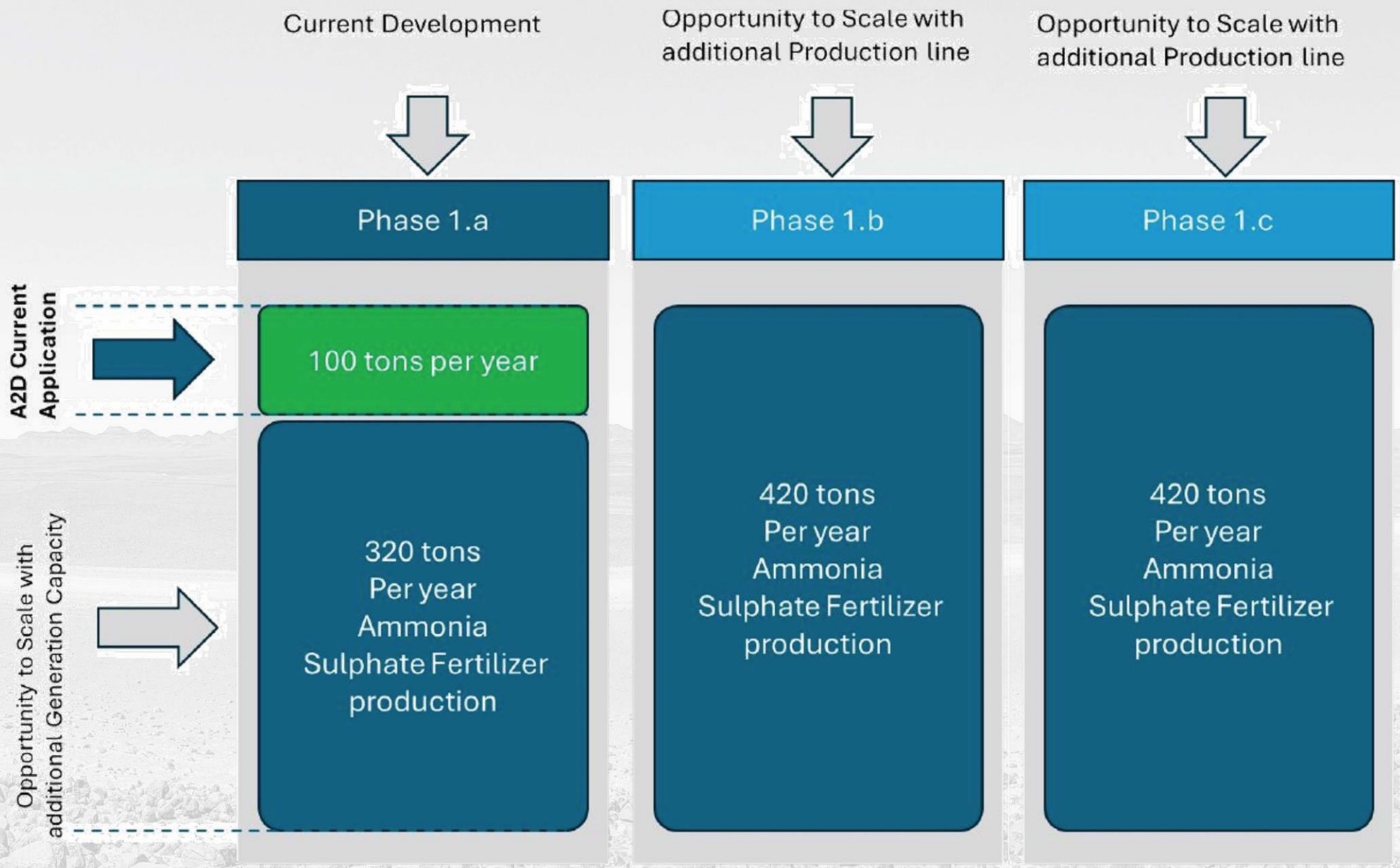
DAURES GREEN HYDROGEN VILLAGE VALUE PROPOSITION



Components that require funding from A2D

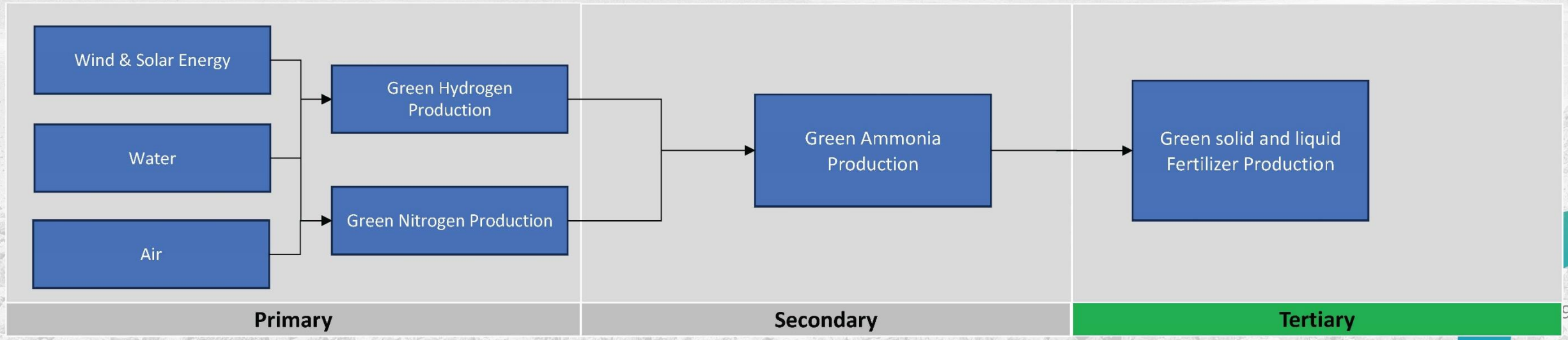
Components that do not require funding from A2D

DAURES GREEN HYDROGEN VILLAGE VALUE PROPOSITION



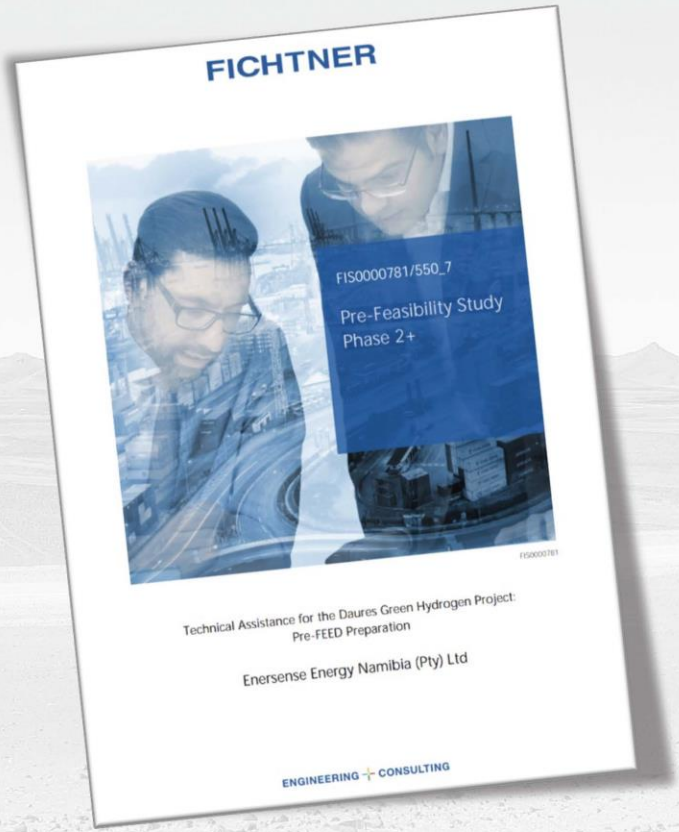
PROPOSED INNOVATIVE END-TO-END SOLUTION FOR FERTILIZER PRODUCTION IN NAMIBIA

- A Primary and Secondary process is already in under development on the existing project (90% complete).
- In these phases clean energy is generated from solar is used in an electrolyzer and nitrogen generator (PSA) to produce green hydrogen and nitrogen.
- This then undergoes an ammonia synthesis process to produce Green ammonia.
- Under the A2D Facility we intend to produce liquid and solid ammonium sulfate
- This will be done using green ammonia and inducing a reaction with sulfuric acid in a two-stage scrubber system This reaction produces liquid ammonium sulfate solution with a concentration of around 35 mass%.
- This may then be further separated and dried, resulting in a solid product with 92 mass% ammonium sulfate.



EXTENSIVE CONSULTANTING HAS BEEN CONCLUDED FOR THE SOLUTION

TECHNICAL PROPOSAL (Rev.00)



Pre-Feasibility Study Phase 2

Ammonia Sulphate Study

ESS AND GESI

DAURES GREEN HYDROGEN CONSORTIUM

DAURES GREEN HYDROGEN VILLAGE

MAY 2025

ESS APPROACH

Key Assessments Conducted for the Project:

- **Environmental & Social Impact Assessment (ESIA)**
- **HAZOP Analysis**
- **Specialized Water Study**
- **Archaeological & Heritage Impact Assessment**

CHALLENGES IN ESS IMPLEMENTATION

- ESS Overlooked in Initial Planning
- Population In-Migration
- Biodiversity & Heritage Protection
- Groundwater Sustainability Risks
- Managing Community Expectations
- Balancing Development with Conservation

MITIGATION STRATEGIES

- Compliance to biodiversity conservation policies
- Implemented community-led engagement processes
- Adherence to National Heritage Laws
- Sustainable water resource management
- Local hiring priorities
- Institutionalized ESS compliance in hiring processes.

DAURES GREEN HYDROGEN CONSORTIUM

DAURES GREEN HYDROGEN VILLAGE

ESS APPROACH

LESSONS LEARNED FROM IMPLEMENTATION & FUTURE ESS BEST PRACTICES

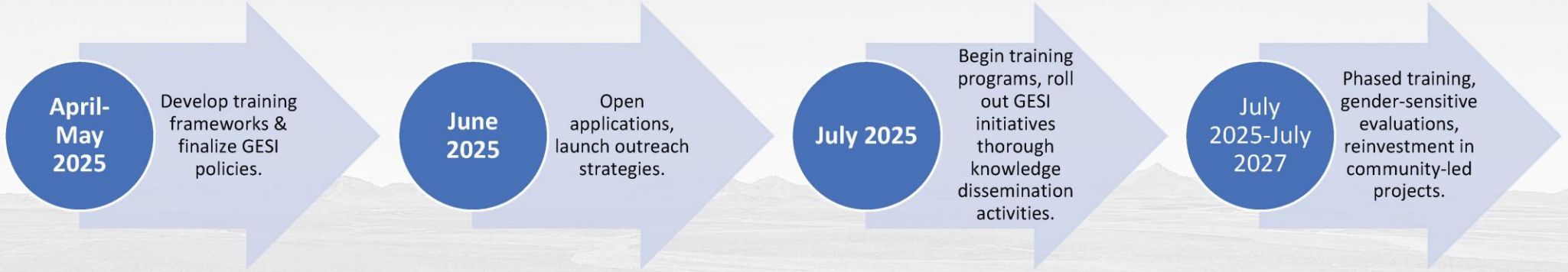
- **Proactive Stakeholder Engagement** is essential to smooth governance and public trust.
- **Regular Monitoring & Adaptation** ensures evolving sustainability challenges are addressed dynamically.
- **Gender-Inclusive Policies** (50% women representation in workforce & training) contribute to equitable development.
- **Clear Regulatory Alignment** minimizes delays and strengthens project credibility.
- **Community-Based Solutions** enhance social resilience and long-term economic sustainability.
- **ESS Guidelines Must be Embedded Early**—designing safeguards in **project planning stages** prevents costly corrections late

GESI APPROACH

Strengthening Gender Equality & Social Inclusion in Green Hydrogen Innovation

Key Areas:

- **Inclusive Development:** Equitable participation for women, youth, and disadvantaged communities.
- **Structured Training:** 32-month program (July 2025–July 2027) providing practical skills in agronomy, renewable energy, and hydrogen technologies.
- **Policy Framework:** Anti-discrimination measures, mentorship programs, and accessible applications.
- **Community Empowerment:** Gender-focused workshops, fair selection processes, and transparent review mechanisms.



Workforce Development & Training Program Inclusivity

- **EPC & OEM Contractor Commitment:** Proof of hiring at least **50% women** in the workforce ensuring equitable workforce opportunities.
- **Training Program Representation: 50% of selected applicants** for the **32-month training initiative** will be **women** to support gender inclusivity in agronomy, renewable energy, and green hydrogen industries.
- **Impact:** Strengthens gender equity in industrial development and ensures meaningful opportunities for women in emerging clean energy sectors.
- **Monitoring Approach:** Regular audits, recruitment transparency and gender-disaggregated tracking under project evaluation frameworks.
- **Sustainability Measures:** Long-term reinvestment in community projects & local development.

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DAURES GREEN HYDROGEN VILLAGE

Email the Daures Green Hydrogen Village at info@daures.green / Jerome@daures.green

UNITED NATIONS
INDUSTRIAL DEVELOPMENT ORGANIZATION

A2D Accelerate to Demonstrate Facility

Partners: UK Government

Ms. Osato Chioma Ehimare

ESG Manager, Cross Boundary Energy

CrossBoundary Energy

De-risking Clean Energy Demonstration Projects through Practical ESS Implementation

By Osato Chioma Ehimare

CrossBoundary Energy is a leading distributed renewable energy platform unlocking capital in underserved markets.

Scaling clean energy across 15+ countries and 40+ clients

276 MWp solar, 211 MWh BESS, 51 MW thermal, 20 MW wind projects across Africa and beyond

Industrial Decarbonization with critical minerals sector

Private capital USD 400M+ renewable assets portfolio.

CrossBoundary Energy

We designed an ESMS to identify and mitigate ESG impacts across our operations, aligning with local and international best practices.

CrossBoundary Energy

What the framework aims to achieve…

- **De-risk and Amplify Opportunities:** For projects, clients, contractors, and suppliers.
- **Promotes ESG Compliance & Integrity:** Aligned with IFC, AfDB, EIB standards
- **Ensures Transparency & Inclusion:** Engages stakeholders
- **Fosters Continuous Improvement:** Through regular ESG reviews and lessons learned

How it's implemented…

- Data collection & documentation
- ESG risk assessment, mitigation & monitoring
- Align with ESG standards, (IFC PS , etc)

When it's applied in the investment process…

Across all stages of the investment lifecycle:

- Origination/ Sales
- Project Development & Implementation
- Asset management

Integrating ESS for Sustainable Project Development – The How and When…

Sales

- Risk appetite, exclusion, country
- Pre-Screening, Categorization, Rep risk

Development

- KYBP
- ESDD, CCRA
- ESIA/ESMP
- Stakeholders, ESG Clause, Design, RFP

Pre-Construction

- Partner Screening
- CBE expectations
- Contracting
- Onboarding/ refresher sessions

Construction

- Training, Daily &Weekly reports
- Weekly meetings & Site monitoring visits
- Monitoring leading & lagging indicators

O&M

- Periodic Reporting
- Monthly meetings & Site monitoring visits
- M&E, Lessons learnt, Continual Improvement

CrossBoundary Energy

Inclusive Collaboration

Investment, Dev, Legal, SCM, ESG, Stakeholders

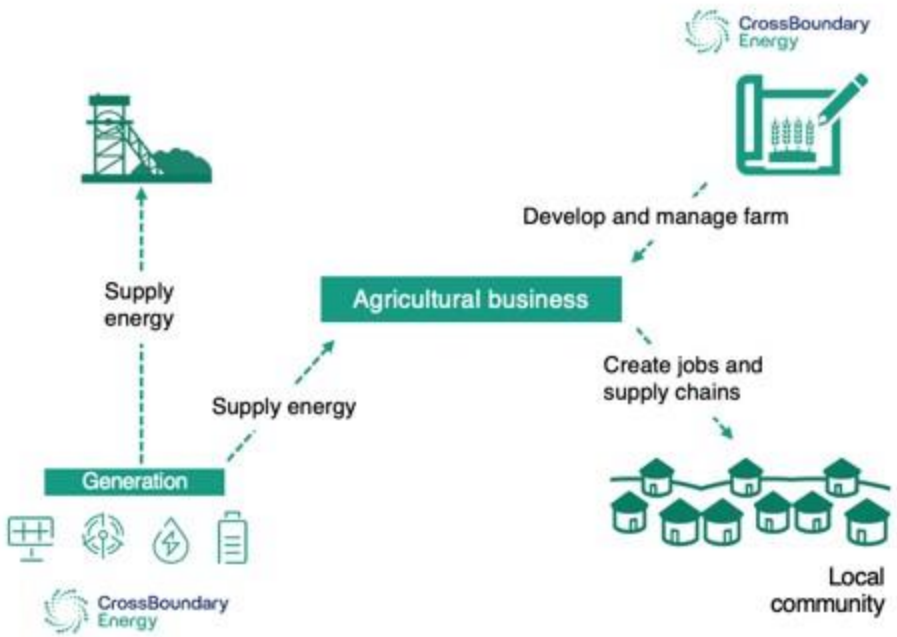
Active Site Monitoring

Daily site inspections, Audits, Actions & follow up

Enhanced Reporting & Analytics

Tools for Analysis, sorting data for better insights

Beyond De-risking, Impact…



Vegetable garden at our facility, Madagascar

CrossBoundary Energy

Challenges, Opportunities and Summary

Challenges		Proposed Solutions/ Benefits
Influence vs Leverage	**Clients**	**Developers** ▪ *Start ESS early.* ▪ *Co-create with local actors* ▪ *Measure and share impacts*
Regulatory Uncertainties and Resource inadequacy	**Partners**	**Regulators** ▪ *Serve as Enablers not Detractors- Timelines, Local content, Policies.*
Practicability of Frameworks	**Financiers vs Benefactors**	**Financiers** ▪ *Financiers- build ESS incentives into your blended-finance terms*
		Benefits ▪ *Permitting acceleration* ▪ *Investor confidence* ▪ *Community buy-in* ▪ *Optimized operations*

CrossBoundary Energy

Fire Side Chat
Osato Chioma Ehimare

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Partners: UK Government

Fireside Chat

ESS as Catalyst for Investment Readiness

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INDUSTRIAL DEVELOPMENT ORGANIZATION

A2D Accelerate to Demonstrate Facility

Partners: UK Government

Panelists

YUNAE YI
Director on the Board of the International Association for Impact Assessment (IAIA)

REGINA MWENYANGO
Senior Industrial Development Officer - Global Green Growth Institute.

LEAH MPINGA
Research Associate, H2Global Foundation

OSATO CHIOMA EHIMARE
Environmental, Social and Governance (ESG) Manager, CrossBoundary Energy

BENEDICT MUYALE
Senior Officer, Business Development, National Environment Trust Fund

JEROME NAMASEB
CEO, Daures Green Hydrogen Village

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Q&A

Session Wrap-Up and Closing

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A2D Accelerate to Demonstrate Facility

Partners: UK Government

Further Information

- **A2D Facility Website:** Visit the website here
- **A2D Facility LinkedIn Account:** Follow the LinkedIn page here
- **A2D Facility Mailing List:** Join the mailing list here
- **A2D Facility Year 1 Annual Report:** Access the Annual Report here
- **A2D Facility Market Assessments:** Access the reports here

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INDUSTRIAL DEVELOPMENT ORGANIZATION

A2D Accelerate to Demonstrate Facility

Partners: UK Government

Accelerate-to-Demonstrate (A2D) Facility Annual Event

Investing in Inclusion: Gender Lens for a Just Energy Transition

Wednesday, May 21st, 11:00 – 12:30pm (EAT)

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A2D Accelerate to Demonstrate Facility

Partners: UK Government

Session Agenda

Time	Activity
11:00-11:05	***Welcome and Setting the Scene:*** Highlighting the importance of inclusive safeguards in de-risking projects and enhancing bankability. ***Lorena Alberte, GESI – ESS Project Lead A2D Facility, UNIDO***
11:05 – 12:00	**Panel Discussion: Gender and Inclusive Lens Investing in Demonstration Projects** *Exploring the Role of Gender Lens Investing and Inclusive Approaches in Scaling Clean Energy Solutions* *Panellists:* •Ms. Cathy Chen, Associate Director, KPMG UK •Ms. Carolyn Burns, Head of Impact Investment and Gender-Lens Technical Expert, Supivaa •Mr. Hallel Elnir, Head of Multilateral Organizations and Partnerships at Vital Finance •Ms. Akinyi Chemutai, East Africa Lead for Women in Renewable Energy, Kenya •Ms. Icheiko Ramadhanty Achmand, Co-founder of Gawirea Indonesia •Mr. Emmanuel Gbafore, Renewable Energy Lead Sandile Energies
12:00 – 12:20	**Fireside Chat: In-Depth Dialogue on the Challenges and Opportunities for Gender-Inclusive Clean Energy Transitions**
12:20 – 12:30	Q&A Session and Wrap-Up *Lorena Alberte, GESI – ESS Project Lead A2D Facility, UNIDO*

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Panel Discussion

Panelists

CATHY CHEN
Associate Director, KPMG UK.

AKINYI CHEMUTAI
East Africa Lead for Women in Renewable Energy Kenya

HALLEL ELNIR
Head of Multilateral Organizations and Partnerships, Vital Finance and Stakeholder Manager, VASTPOINT

CAROLYN BURNS
Head of Impact Investment and Gender-Lens Technical Expert, Supivaa

ICHEIKO RAMADHANTY ACHMAD
Co-founder of Gawirea Indonesia

EMMANUEL GBAFORE
Renewable Energy Lead, Sandile Energies

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INDUSTRIAL DEVELOPMENT ORGANIZATION

A2D Accelerate to Demonstrate Facility

Partners: UK Government

Ms. Cathy Chen

Associate Director, KPMG UK

Accelerating Smart Power & Renewable Energy in India (ASPiRE) – Gender Equality and Social Inclusion

Client's Challenge

India's transition to clean energy is central to its climate goals, with targets of 500GW of non-fossil capacity by 2030 and Net Zero by 2070. Achieving this requires significant investment in solar, offshore wind, and energy storage, supported by strong policies and institutional frameworks.

Outcomes

- Integrated GESI considerations into national policies and tenders, including smart metering, offshore wind leasing, and solar manufacturing
- Institutionalised the Digital Utility Manager Course on India's Integrated Government Online Training (iGOT) platform, with over 200 enrollments, including 50+ women
- Developed gender-disaggregated workforce surveys and formal guidance with Power Finance Corporation to support GESI in utility sector reforms
- Applied GESI-informed planning in drone-based asset management, improving rural access and reducing physically demanding labour
- Created a replicable model for mainstreaming GESI in large-scale clean energy programmes
- Tracked and reported progress against 146 GESI targets through ASPIRE's monitoring, reporting, evaluation, and learning system

KPMG

Embedding GESI across ASPIRE

Solar Induction Cooker Pilot, Kerala

Rural women from Below Poverty Line (BPL) households in Kerala face multiple burdens from reliance on traditional biomass and polluting fuels for cooking.

Outcomes

- 1,000+ women below the poverty line directly benefitted
- 100% of recipients were women, and ≥50% of trainers were women from local communities

Female EV Taxi Pilot, West Bengal

Despite the rapid growth of India's electric mobility sector, women remain significantly underrepresented in both vehicle operation and supporting services like charging and maintenance.

Outcomes

- 1,000 female cab drivers trained in Delhi, 60 women as EV technicians and charging station attendants.
- Enabled women's entry into a male-dominated green transport sector

Future Mobility Park, Tamil Nadu

Infrastructure projects in the energy and transport sectors in India often fail to consider universal accessibility or the specific spatial needs of women, children, elderly people, and persons with disabilities.

Outcomes

- The master plan incorporated dedicated spaces for women and persons with disabilities
- Gender-Inclusive Innovation Campus planned with training hubs and co-working zones for female entrepreneurs and technicians

Smart meter rollout and utility reform

Women and socially excluded groups are often overlooked in utility reforms due to a lack of inclusive planning, limited participation in technical roles, and the absence of gender-disaggregated data.

Outcomes

- GESI clauses integrated into smart metering tenders — a first-of-its-kind national milestone
- Baseline GESI survey conducted across 33 electricity distribution utilities

Accelerating Smart Power & Renewable Energy in India (ASPiRE)

Gender Equality and Social Inclusion

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INDUSTRIAL DEVELOPMENT ORGANIZATION

A2D Accelerate to Demonstrate Facility

Partners: UK Government

Ms. Carolyn Burns

Head of Impact Investment and Gender-Lens Technical Expert, Supivaa

GREENER TEA

Creating clean heat and power with biomass residues and gasification technology

to future-proof your cuppa

Accelerate to Demonstrate Facility Collaboration

COMPACT SYNGAS SOLUTIONS
GREEN FUELS FOR A CLEAN FUTURE

IITA
CGIAR
Supivaa
Advisory Group Ltd
CO2REGEN

Introduction

Supivaa
Advisory Group Ltd

*The **pink** outlines where we have in-country representatives*
*The **blue** outlines where we have reach and scope*

Established in 2019, Supivaa is a Canadian-African impact investment advisory firm rooted in agriculture, healthcare, and climate change solutions.
The name **"Supivaa"** stems from the idea of

*"**Sup**porting the D**iva**s in **A**frica".*

5 GENDER EQUALITY

Gender equality is at our core with the tenants of SDG 5 guiding all that we do.

Supivaa's Service Offerings

*We coach our clients to move from gender **accidental** to gender **intentional** to gender*

champions

Venture Support

Assist ventures to grow their businesses and scale their impact

- Business Diagnostics & Operational Strategy
- Financial and Impact Advisory
- Investor Strategy & Outreach – Impact investment & Blended Finance Specific
- Post Investment Support

Fund Management Support and Programmatic Partner Support

Support fund managers and programmatic partners to optimise their capital flows and storytelling

- Reporting, Monitoring, Evaluation, and Learning (MEL) Services
- Strategy, Training, and Benchmarking
- Market and Product Feasibility Studies
- Investor Relations: Fundraising & Strategic Outreach, Proposal Writing, Post-Investment Support including Shareholder & Management Reports

Introduction to Gender Lens Investing (GLI)

Definition

Overlaying gender-based factors across the investment lifecycle to shift perceptions of gender as being both a material risk and opportunity factor.

Incorporating gender analysis can tell us who has access to, control over and who is likely to benefit from how investments are designed and structured

Goal

Spotting hidden opportunities, reconsidering opportunities that are undervalued and yielding better investment decisions while advancing gender equality outcomes.

Rationale

"Taking on a gender lens approach is about intentionally applying gender data to see new possibilities for change."

Ruby Alcantara, Co-Founder and Managing Director of Supivaa

GLI Market

Sub-Saharan Africa is the only region in the world where there are more women who become entrepreneurs than men[3]

USD 34B
Assets under Management (AUM)

Mobilised globally under the 2X Challenge by 2023[1]

USD 0.3T GDP Gained

By 2025 if the gender gap is closed in Sub-Saharan Africa[2]

Sources:
1. 2X Global Annual Report (2023)
2. McKinsey Global Institute (2015)
3. World Bank (2018)

Gender Finance Toolkit #1:

Women Centred Design Process

Gender Finance Toolkit #2:

Practical and Strategic Data Analysis

Practical		Strategic
Voice		Access
Choice		Benefit
Participation		Contribution

Gender Finance Toolkit #3:

2X Global's Gender-Smart Climate Finance Guide

GREENER TEA

Food, Agriculture and Forestry

Energy

⊕ Sector Note

Manufacturing

Water Supply and Sanitation

Financial Services

Sustainable Cities

Transport

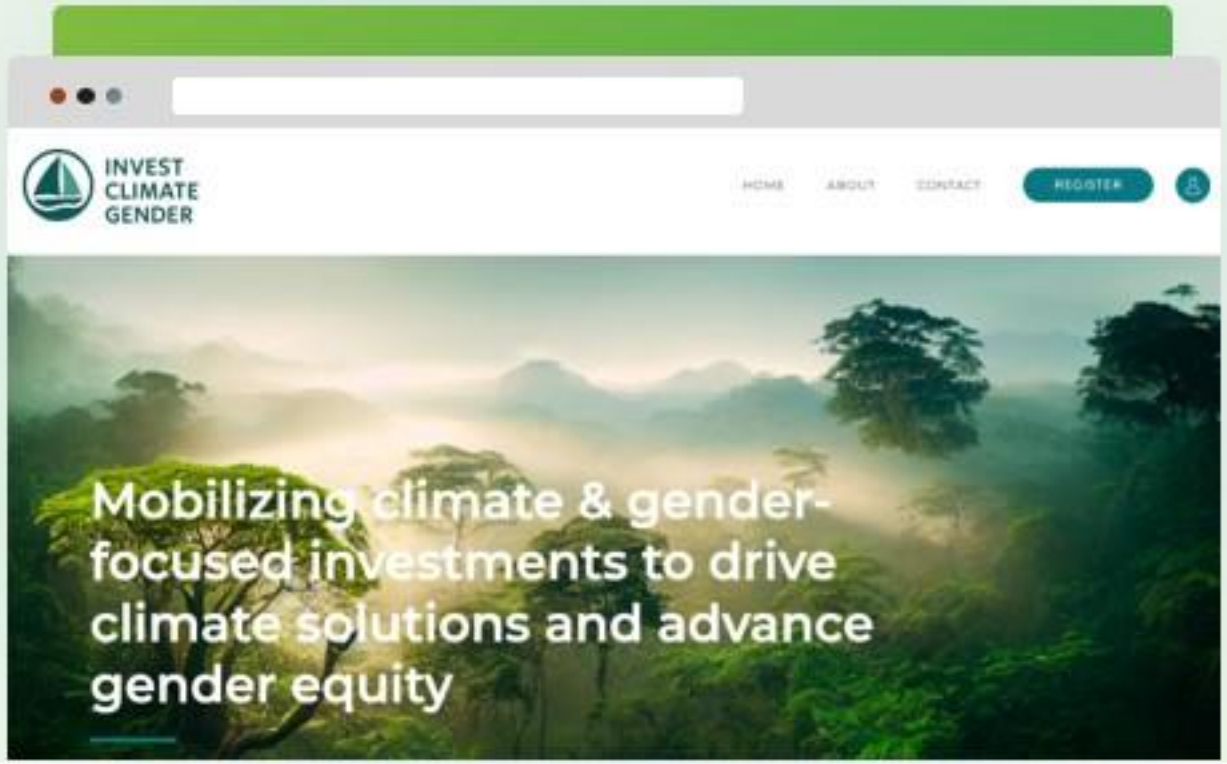
⊕ Screening Checklist

⊕ Due Diligence Checklist

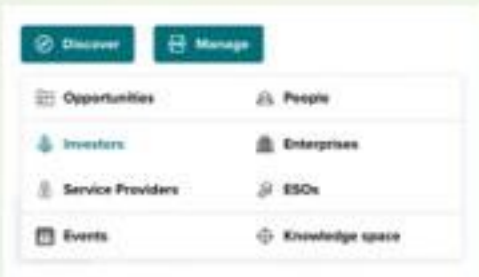
Gender Finance Toolkit #4:

Invest Climate Gender

Access to a curated selection of proven investment opportunities



Raising awareness of investable high-impact gender and climate funds



Key Contacts

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GREENER TEA

Thank You

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INDUSTRIAL DEVELOPMENT ORGANIZATION

A2D Accelerate to Demonstrate Facility

Partners: UK Government

Mr. Hallel Elnir

Head of Multilateral Organizations and Partnerships at Vital Finance

Land Management as a Tool for Gender Equity and Access to Energy for All: A VASTPOINT Case Study

Investing in Inclusion: Gender Lens Innovation for a Just Energy Transition

A2D Facility Annual Event 2025

May 21, 2025

VASTPOINT

Company overview

VASTPOINT is an impact-driven land management and geospatial solutions company

- Our mission is to drive sustainable development by providing innovative and data-driven land management solutions that optimize land use to **create lasting value for generations to come**
- We bring a combination of innovative **AI-driven tech** and **inclusive stakeholder engagement** practices to deliver world-class land management for **critical infrastructure development**

- >25 years implementing large-scale gov't & **World Bank** land management projects in high-growth countries across SSA and emerging markets

VASTPOINT is a Vital Capital impact investee platform

VASTPOINT at a Glance

Our impact to-date

3.3m
Individuals served

821k
Land titles awarded

54%
Female land-ownership of TOTAL projects

445k
NEW female land-owners from Vastpoint's projects

541k Ha
in land coverage

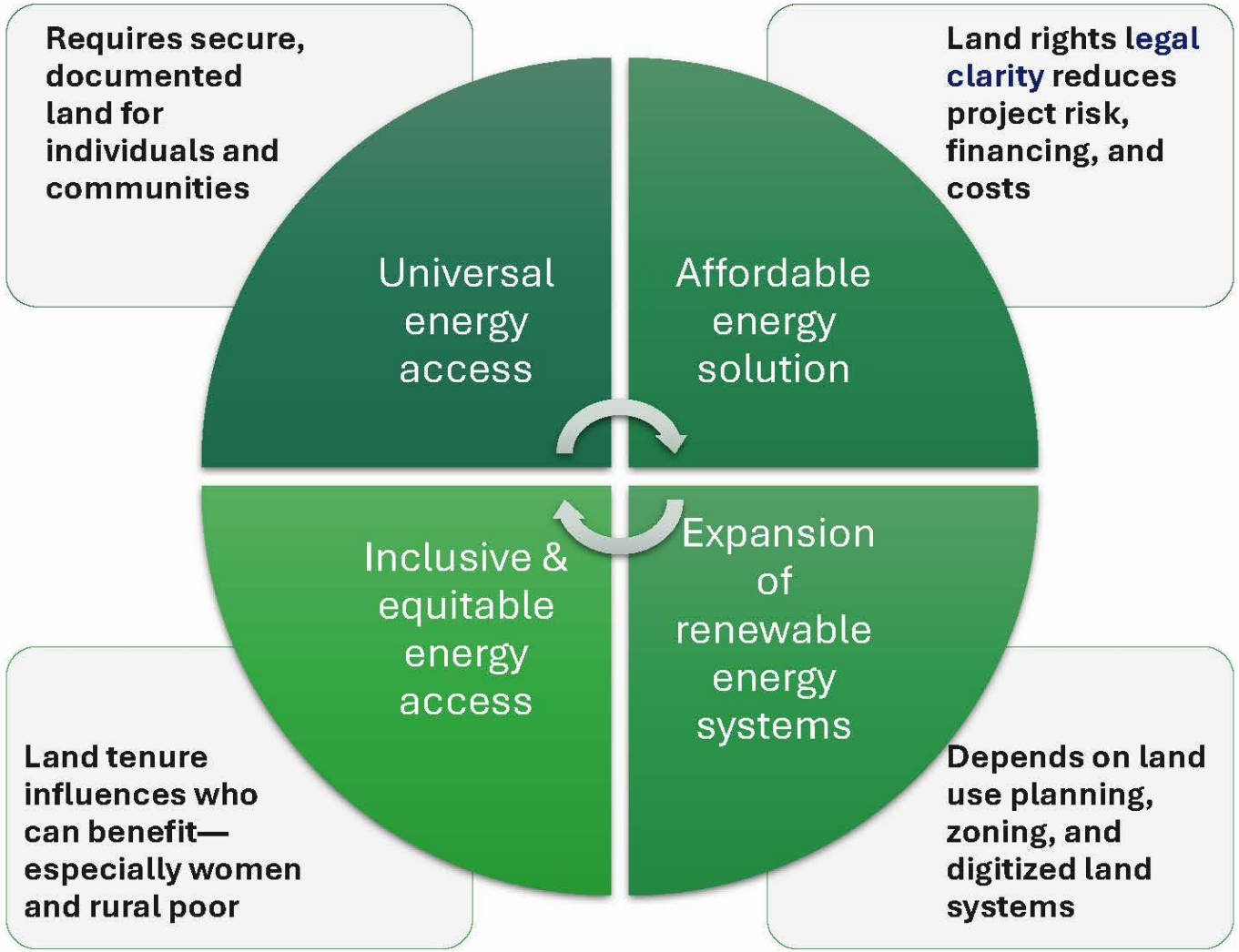
20,650
Individuals directly receiving training and **capacity building**

Improving energy access through land management

- The link between **SDG 7** (Affordable and Clean Energy) and **land tenure is critical but often overlooked**
- **Secure land rights are a foundational enabler** for expanding clean energy access—especially in rural, peri-urban, and informal areas
- To achieve **SDG 7**, we must also address **SDG 1.4** (access to land and property rights) and **SDG 5.a** (women's land rights), making land tenure reform a **crucial lever** for energy equity and sustainability

Land Management for a Just Energy Transition

The intersection between energy transition and land tenure



Key Takeaways

Inclusive land management as a tool for access to energy for all

Land management is a fundamental aspect of energy projects

Unresolved land issues undermine project feasibility

Inclusive land practices are essential for just energy transitions

Environmental safeguards protect sensitive lands and hence reduce investment risk

Strategic Recommendations

Inclusive land management as a tool for access to energy for all

- Embed ESS and GESI early in project cycle
- Strengthen land governance and digitized land systems
- Empower local communities and women through secure tenure
- Align planning and taxation with national clean energy goals
- Support financing for integrated land management solutions

Thank You

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INDUSTRIAL DEVELOPMENT ORGANIZATION

A2D Accelerate to Demonstrate Facility

Partners: UK Government

Ms. Akinyi Chemutai

East Africa Lead for Women in Renewable Energy, (WiRE)

Investing in Inclusion

Gender Lens Innovation for a Just Energy Transition

Presented by Akinyi Chemutai

The WiRE Mission

Women in Renewable Energy (WiRE) is a nonprofit organization dedicated to empowering women and underrepresented groups in the energy sector. Our mission is to advance the role and recognition of women and underrepresented groups in the energy sector, while supporting energy initiatives and projects that improve the quality of life for all.

WiRE's global reach is organized through a network of chapters, each focused on a specific region. Guided by President & CEO Joanna's **"Glocal" philosophy—think global, act local—WiRE recognizes the unique needs of each community**. This approach allows WiRE to address challenges with a global perspective while tailoring solutions to local contexts, fostering effective and relevant change.

About WiRE Kenya

WiRE Kenya includes all renewable energy and clean technologies. Our most popular technologies we have explored as a chapter are off grid energy, clean cooking, EV and hydropower. All are based on Kenya's energy mix. We explore them through capacity-building field trips, networking meetups,etc. Our network consists of women from engineering, technical, financing, project, entrepreneurship and business development backgrounds.

We have also done learning events on importance of applying a gender lens approach to ensure inclusivity and equitable benefits from climate technology projects.

Women, Renewable Energy & Inclusive Finance

Women play a crucial role in the renewable energy and climate finance sectors, yet they continue to face challenges in accessing funding, networks, and opportunities to scale up their initiatives.

This presentation aims to explore

- The role of women in finance and sustainable investment.
- Strategies to ensure a just transition and sustainability while attracting investment.
- Best practices for gender inclusion in climate technology projects.

Gender Gaps in Renewable Energy

Unequal **access to energy** affects women (as consumers) due to gender norms & access to finance

Employment - gender diversity has been shown to deliver both higher effectiveness and better financial performance in businesses. And on the other hand, access to quality jobs and finance are key levers of empowerment for women and their families.

To fast-tracking the **last-mile** distribution of renewable energy technologies, **female energy entrepreneurs** are highly needed.

Enabling environment for energy planning, policy, budgeting and regulation, where women's participation lags considerably.

Investing in Just & Inclusive Energy Transition

Currently f**inancial instruments** such as policy incentives, risk management, grants, low-cost debt and capital instruments focused on the East Africa region have been the **driving force to improving gender inclusion.**

The metrics demanded by funds and impact frameworks are:

- Electricity access by women/ female headed households
- Proportion of women in the energy value chain (mostly technical) or in senior/managerial positions
- Proportion of women energy promoters (agents) and entrepreneurs
- Policy frameworks - GESI and gender targets

WiRE International

WiRE PROGRAMMING

Networking Meetups

WiRE Vancouver Networking Meetup

Workshops

WiRE New Brunswick & Centre of Energy Excellence

Field Trips

WiRE Alberta Scotford Solar Farm Field Trip

Speed Mentoring & Speed Interviewing

WiRE Speed Mentoring Session at the G7 Summit

Indigenous Partners

First Nations Power Authority™

INDIGENOUS CLEAN ENERGY

Canadian Council for ABORIGINAL BUSINESS

Students at the British Columbia Institute of Technology WiRE & Plug'n Drive ZEVAI event 2023

WiRE & Plug'n Drive ZEVAI Speed Mentoring event at EMC EVVE 2023

Current WiRE Initiatives

WiRE Junior Ambassadors

Empower young individuals at an early age, fostering their confidence and inspiring them to become informed and active participants in shaping a sustainable energy future.

Energize Equity

Data & Special Projects Committee led an initiative to collect the stories of those who experienced inequality in the workplace and how they resolved their issues

Fresh Air, Fresh Food

A new initiative dedicated to lowering indoor air pollution in less developed communities (LDCs). *Launching soon!*

Energize Equity

WiRE's Energize Equity Campaign aims to **shed light on the barriers faced by individuals, specifically women and underrepresented individuals, working in the climate sector**.

As part of this campaign,WiRE:

- Gathered information via the Energize Equity Survey from all over the world
- Shared stories of struggle and triumph via its social media platforms

GLOCAL: THINK GLOBAL, ACT LOCAL

Observer Organization to the UNFCCC

United Nations Framework Convention on Climate Change

COP27 SHARM EL-SHEIKH EGYPT 2022

COP28 UAE

COP29 Baku Azerbaijan

UNITED NATIONS CLIMATE CHANGE CONFERENCE

COP30 AMAZÔNIA

CUIDAR DO PLANETA PARA O FUTURO DA HUMANIDADE

BELÉM • BRASIL • 2025

BRASIL

Proud Members of the International Renewable Energy Agency (IRENA)

WiRE Supports Equal by 30

Equal Pay, Equal Leadership, Equal Opportunities

#Equalby30

Equal by 30 is a public commitment by public and private sector organizations to work towards equal pay, equal leadership and equal opportunities for women in the sector by 2030.

Canada

WiRE Supports Leadership Accord on Gender Diversity

Electricity Human Resources Canada (EHRC)

A public commitment by employers, educators, unions and governments to promote the values of diversity and inclusion within their organizations.

Leadership Accord on Gender Diversity
Electricity Human Resources Canada

electricity HUMAN RESOURCES CANADA
RESSOURCES HUMAINES, INDUSTRIE électrique DU CANADA

WiRE Nonprofit Partners

How can I engage with WiRE?

Connect with WiRE

www.WomenInRenewableEnergy.ca

www.facebook.com/WomenInRE

www.twitter.com/wire_canada

www.linkedin.com/company/women-in-renewable-energy-wire/

www.youtube.com/@womeninrenewableenergy

www.instagram.com/wire_canada/

Thank you!

From **Local Voices to Global Impact - Let's Build Equitable Energy Systems**

Together - Connect with WiRE to scale change across regions

For more info, visit **womeninrenewableenergy.ca.**

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A2D Accelerate to Demonstrate Facility

Partners: UK Government

Ms. Icheiko Ramadhanty Achmad

Community Development Manager and Co-founder, GAWIREA


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GAWIREA

ABOUT US

The goal of GAWIREA is to empower girls, women, and underserved youth in rural and indigenous communities through accessible, hand-on climate and renewable energy education. By combining local knowledge with practical tols and inclusive technology, GAWIREA aims to build a generation of community-based climate leaders who can actively participate in-and benefit from the transition to a just, sustainable, and gender-equitble energy future.

-GAWIREA

GAWIREA

Our Vision & Mission

Vision

We are committed to playing a role in supporting the improvement of the quality education , gender equality, and access to the clean energy as fundamental of human right

Mission

Our mission is to create equal opportunities for women to access green jobs and become economically empowered through the support of renewable energy technology.

GAWIREA

MILESTONES

2021

IMPLEMENTING OUR CURRICULUM IN RURAL AREAS →

We began the curriculum as non-formal education for women and children in rural areas in Kalimantan, Indonesia.

2022

YOUTH RENEWABLE ENERGY & CLIMATE COMMUNITY →

We formulated the curriculum with hands-on experience on solar power kits simulation and net-zero tools by using immersive card games for youth to understand renewable energy technology and climate policy

2023

REGISTED AS NON-PROFIT ORGANISATION & ESTABLISH COOPERATIVE FOR SOCIAL BUSINESS PROJECT →

1. Provide technical training to operators of solar power plants in rural areas collaborate with Ministry of Energy and Mineral Resources
2. Established renewable energy non-formal schools in Kalimantan, Papua, Maluku
3. Developing climate tech product/enewable energy-based agricultural technology for rural farmers/women

2024

RECOGNIZED AND FUNDED IN THE GLOBAL STAGE →

1. Funded by US Department of State and UNDP to implement Net-Zero Heroes in Southeast Asia
2. Funded by German Federal Foreign Office under CCP Synergy Program
3. Recognized by the AFS Intercultural Programme
4. Become Indonesia Ministry of Education and culture

GAWIREA

OUR PROJECTS

01.

NET ZERO HEROES EDUTECH

02.

SOLAR SISTER

03.

WANI YINIO SAGO HOUSE

Net Zero Heroes

ABOUT NET ZERO HEROES

Who We Are

The Net Zero Heroes (NZH) is an ***edutech by GAWIREA.*** This program focuses on empowering youth with ***both soft and technical skills,*** enabling them to become more ***resilient against climate change*** through the use of ***renewable energy techologies*** as resource of income.

TARGET PARTICIPANT

- Youth worldwide
- Girls and women in rural areas
- Mid-profesional

MAIN ACTIVITIES

Learning Journey

Includes teaching methods that use online learning and AI, in-person workshops, mentoring, and collaboration.

Innovation Project

Every students in NZH should create a project ideas to produce solutions that can be implemented and help society's problems.

Networking

Share ideas and thoughts with young people from Southest Asia and beyond, and build long-term networking & support system.

Net Zero Heroes

- *Net Zero Heroes is an education and climate tech, learning curriculum about renewable energy for students. This curriculum discusses 5 types of renewable energy and prepares youth to enter the world of work in the renewable energy sector.*
- *This program has been running for more than two years and has had 700+ graduates.*
- *The 2025 Q4 target will be implemented in worldwide and right run first market on Asia-Pacific.*

NET ZERO HEROES ONLINE CLASS

1500 students

July 2023 - December 2024

Virtual from 87 Universities in Asia-Pasific

NET ZERO HEROES

- ***50,887 USD*** *unlock Indonesian Goverment & international organization funding.*
- *1**600+ youth** across Asia-Pasific has been impacted to learn renewable energgy education for **free**.*
- ***150+ project ideas** consists of renewable energy technology, social campaign, and capacity building has been produced in 20 remote areas in Indonesia.*
- ***100 Solar Lamp table** has been given to **children in rural areas** in Maluku & Kalimantan, Indonesia.*

NZH IN NUMBER 2023-2025

800+ women

2022-present

Indonesia and Southeast Asia

SOLAR SISTER

- ***The Solar Sister Project*** *is a fundraising program from GAWIREA to provide access to proper electrification to support children's learning activities in Indonesia's 3T areas* ***(Frontier, Outermost, and Least Developed Regions).***
- *Solar Sister is a GAWIREA pilot project seeking access to learning lamps for* ***60 children*** *in Mentajoi Village, Sintang Regency, West Kalimantan Province and* ***40 children*** *in Maluku.*
- ***Solar Sister study lamp's*** *presence can increase the Mentajoi children's learning activities. It will have a good impact on the ability of each child to understand school lessons.*

SOLAR SISTER PROJECT

100 children

February - July 2023

West Kalimantan and Maluku


SOLAR SISTER JOURNEY
IN MALUKU
05
40
03/07 PM
THU
30°
It all started with one little dre

GAWIREA

WANI YINIO SAGO HOUSE

WANI YINIO

Sago Processing House Based on Renewable Energy

WANI YINIO

PAPUA'S WOMEN & FOOD SECURITY

Indonesia occupies the 65th position out of 113 countries in the 2020 Global Food Security Index (GFSI).

LACKS HOUSEHOLD-SCALE PROCESSING

Local communities who live near the forests are unable to process sago flour efficiently. They still rely on traditional processing methods which is time & energy consuming.

HIGH PRICE OF PETROL

Local communities who live near the forests are unable to process sago flour efficiently. They still rely on traditional processing methods which is time & energy consuming.

WANI YINIO

- *Be a solution to the problems of **food security and hunger** in South Papua*
- *Technology reduces the use of fuel oil, is cheaper, faster, and easier for women to use*
- *Wani Yinio Machines owned by **76 women***
- *Each woman gets **10 kg of sago** and an income of **200 USD** per month*
- *Supporterd by UNDP South Korea, Citi Bank, Indonesia Central Bank*
- *GAWIREA's **projected profit** (hardware) is 2.6 billion for 2 years, profit from sago sales 15 million USD/year.*

WANI YINIO SAGO HOUSE

76 women

2022-present

Samurukie village, South Papua

Wani Yinio's Impacts

Creating supportive environment & facilities for women in Papua

Increase of individual income up to IDR 600.000 per month

Increased food security by 30 kg/month in from traditional way, 300 kg/month

Predicted total reduction of +/- 300 liters of petrol consumption per month

1000+ families in South Papua can get out of poverty

Improving overall wellbeing through job creation

Processing of Wani Yinio sago with the concept of zero waste and zero emission

supports the prevention of climate change

Protecting the sago ecosystem by replanting sago forests

Wani Yinio in Number

5 PROJECT IN 2 YEARS

1200 YOUTH PARTICIPATION

76 GREEN JOBS ACCESS FOR WOMEN

50+ LOCAL AND INTERNATIONAL NETWORK IN CLIMATE & RENEWABLE ENERGY SECTOR

17 ENGAGED IN MORE THAN SEVEN PROVINCES IN INDONESIA

GAWIREA'S IMPACTS

SDG 5 and 7 are the main pillars of our business which prioritize the achievement of gender equality supported by renewable energy technology. The achievement of these two SDGs will have a domino effect in supporting the achievement of reducing hunger, increasing the economy, and supporting better access and quality of education. In the business implementation process, GAWIREA also pays attention to the achievement of SDGs 12, 13 and 15.

PARTNERS

Project Co-Lead

YOUTH CO:LAB

UNDP

citi

wfuna

World Federation of United Nations Associations

ENERGI DAN SUMBER DAYA MINERAL

TUT WURI HANDAYANI

UN ENERGY

makadaya

SOCIAL IMPACT CENTRE

AIK

A BETTER WORLD FOUND

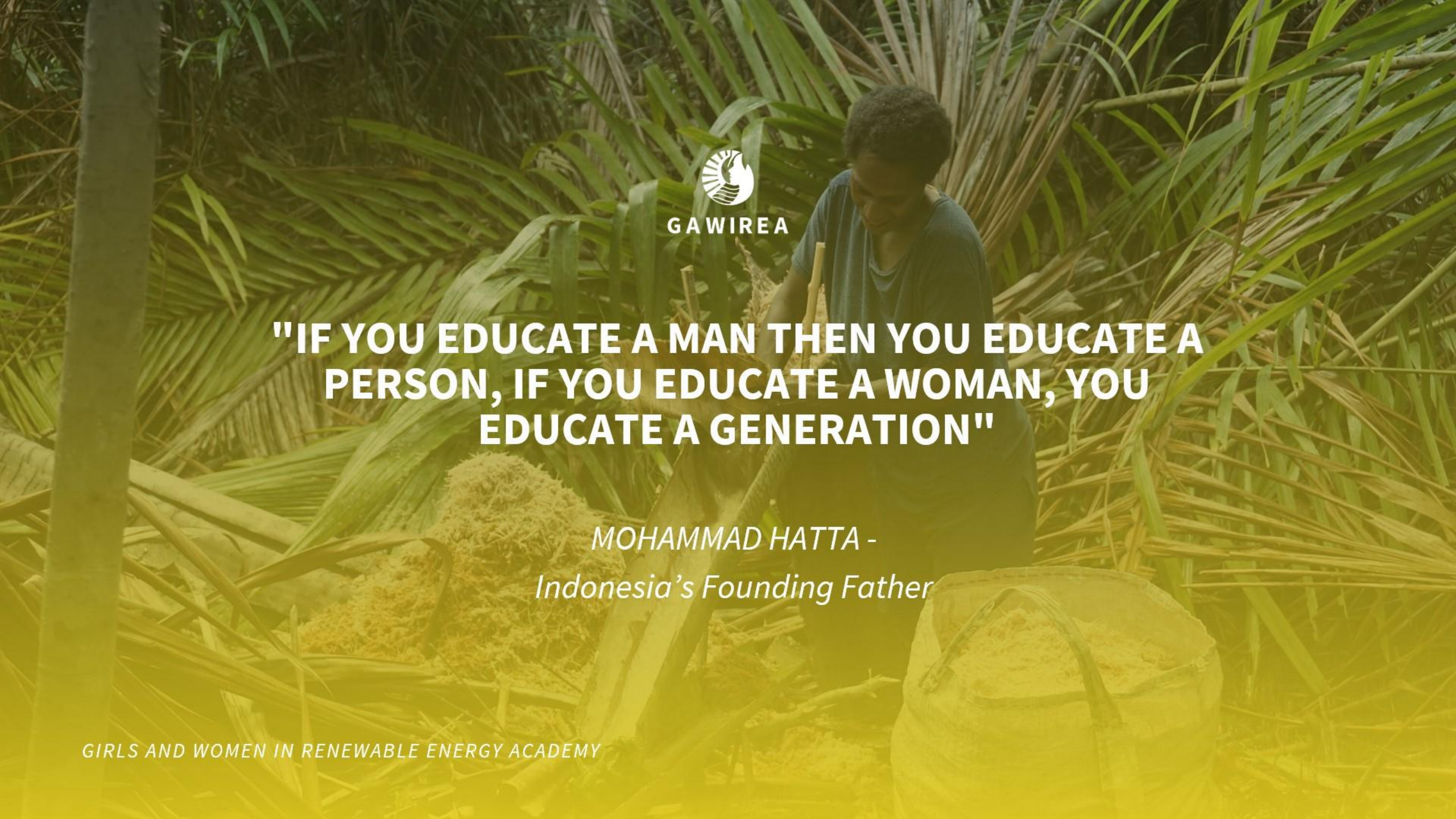
YAYASAN DUNIA LEBIH BAIK

Charitable arm of Campaign.com

KEMENTERIAN PEMUDA DAN OLAHRAGA

REPUBLIK INDONESIA

We partner with international foundations such as UNDP and international foundation in developing renewable energy projects in Indonesia and support local community involvement in high-level decisions in the gender, energy, and climate sectors. We play a role through cooperation with ASEAN organizations in conservation activities that support the survival of people who live in forest areas. We carry out a social mission that aligns with several private sectors and foundations in Indonesia.



GAWIREA

"IF YOU EDUCATE A MAN THEN YOU EDUCATE A PERSON, IF YOU EDUCATE A WOMAN, YOU EDUCATE A GENERATION"

MOHAMMAD HATTA -

Indonesia's Founding Father

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Indonesia

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A2D Accelerate to Demonstrate Facility

Partners: UK Government

Mr. Emmanuel Gbafore

Renewable Energy Lead, Sandile Energies

Investing in Inclusion: Gender Lens Innovation for a Just Energy Transition

Project Name: Sandile Energies

A2D Annual GESI-ESS Impact Session

The Challenge – Energy Poverty & Exclusion

- **Energy Poverty & Gender – 600 M+ in Africa lack access to reliable electricity.**

- **Women and girls bear the greatest burden, as primary energy managers of the home, they have to rely on unsafe fuels like kerosene and charcoal, compromising their health.**

- **Traditional energy models exclude women from decision-making, ownership, and innovation.**

- **Clean energy projects often fail when local and gendered needs are overlooked**

GESI Insight | Exclusion increases project risk. Inclusion increases resilience and adoption."

Research Survey:

1. **Energy Poverty & Gender Disparity**
   -Women in low-income areas spend up to 40% of their household income on inefficient energy sources.

2. **Excess Energy Wastage**
   -Renewable energy adoption is increasing, but excess energy from households and businesses is underutilized.
   -No scalable mechanism exists for peer-to-peer (P2P) energy trading in Africa.

3. **Trust & Transparency in Energy Markets**
   -High upfront costs and middlemen in energy distribution discourage investment in renewables.

4. **Technological Readiness & Market Demand**
   -Growing access to mobile money and digital wallets makes decentralized energy trading viable.
   -Governments and private investors are increasingly focused on clean energy and blockchain-based solutions.

Our Innovation – What is Sandile Energy

- **A blockchain-enabled peer-to-peer (P2P) energy trading platform.**
- **Empowers women to generate, use & sell surplus solar power within their communities.**
- **Builds local clean energy economies while enhancing social trust and transparency.**
- **Designed as a gender-inclusive clean energy demonstration project for Kenya's energy-marginalized communities.**
- **Key Features: digital wallets, smart meters, community governance & energy literacy trainings.**

How it works:

1. **P2P Renewable Energy Trading**
   Households and businesses can sell excess solar or wind energy to others in real time.
   Smart contracts ensure secure and automated transactions without intermediaries.

2. **Leverages AI & IoT for Energy Optimization**
   AI-powered demand forecasting balances supply and consumption.

3. **Integrates Tokenized Incentives & Mobile Payments**
   Users earn energy credits (tokens) for selling or optimizing energy use.
   Seamless payments via mobile wallets, ensuring accessibility for underserved regions.

4. **Fosters Women Empowerment & Sustainability**
   Women-led cooperatives can generate and trade clean energy.
   Contributes to SDG 7 (Affordable Clean Energy), SDG 11 (Sustainable Cities), and SDG 13 (Climate Action).

The GESI Approach – Inclusion as a De-risking Strategy

- **Women trained as energy entrepreneurs and community energy stewards**
- **Co-design of systems ensures community buy-in and reduces operational friction**
- **Local women act as trust anchors in P2P trading, improving repayment and accountability**
- **GESI-aligned training increases uptake and system maintenance.**

Bottom line for investors:

| *"Gender inclusion isn't charity – it's a smart risk mitigation tool."*

Supported by research: Women outperform men in repayment and system stewardship, Business Daily, 2024

Aligning with GESI – ESS

GESI-ESS Objective	Sandile Contribution
Enhancing risk management	Trust-based women-led deployment with built-in social safeguards.
Scaling clean energy technologies	Blockchain + P2P + decentralized solar trading platforms.
Accelerating private investment	Higher repayment + uptake = improved project bankability.
Promote a just energy transition	Women as producers, sellers, and energy stewards.
Leveraging climate and development finance	Demonstration project aligned with SDGs and funder criteria (GESI, ESS frameworks).

Call to Action – Scaling with Safeguards

- Invest in women-led clean energy enterprises.
- Incorporate GESI frameworks from project design to financing.
- Leverage demonstration pilots like Sandile to refine inclusive models.
- Collaborate with multilaterals, DFIs, and innovators for safeguards-aligned deployment.

| *“Let’s de-risk the energy transition by putting equity at the core.”*

Thank You

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Fireside Chat

In-Depth Dialogue on the Challenges and Opportunities for Gender-Inclusive Clean Energy Transitions

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Panelists

CATHY CHEN
Associate Director, KPMG UK.

AKINYI CHEMUTAI
East Africa Lead for Women in Renewable Energy Kenya

HALLEL ELNIR
Head of Multilateral Organizations and Partnerships, Vital Finance and Stakeholder Manager, VASTPOINT

CAROLYN BURNS
Head of Impact Investment and Gender-Lens Technical Expert, Supivaa

ICHEIKO RAMADHANTY ACHMAD
Co-founder of Gawirea Indonesia

EMMANUEL GBAFORE
Renewable Energy Lead, Sandile Energies

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Q&A

Session Wrap-Up and Closing

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Further Information

- **A2D Facility Website:** Visit the website here
- **A2D Facility LinkedIn Account:** Follow the LinkedIn page here
- **A2D Facility Mailing List:** Join the mailing list here
- **A2D Facility Year 1 Annual Report:** Access the Annual Report here
- **A2D Facility Market Assessments:** Access the reports here

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Accelerate-to-Demonstrate (A2D) Facility Annual Event

Thematic session 4.1- On the Ground:

Showcasing Joint Efforts Driving Industrial Decarbonization in Developing Economies

Wednesday, May 21st, 09:00am – 10:30am (EAT)

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A2D Accelerate to Demonstrate Facility

Partners: UK Government

Agenda

Introduction by Moderator

- Ms. Yi Zhang, Project Coordinator – Industrial Decarbonization and Smart Energy, A2D Facility, UNIDO

Keynote Speaker

- Mr. Sean Richmond, Climate Innovation Programme Manager, Department for Energy Security and Net Zero, UK Government

A2D Facility Industrial Decarbonization Market Assessment Presentation

- Ms. Yi Zhang, Smart Energy and Industrial Decarbonization Project Coordinator, A2D Facility, UNIDO

A2D Facility Industrial Decarbonization Demonstration Project Presentation

"Greener Tea": Creating clean heat and power with biomass residues and gasification technology in Kenya

- Mr. Paul Willacy, CEO, Compact Syngas Solutions (CSS)
- Ms. Aarti Shah, CEO & Co-Founder, Co-REGEN
- Dr. Dries Roobroeck, Associate Scientist, International Institute of Tropical Agriculture (IITA)

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Agenda

Driving Net Zero Transformation for Green Industrialization

- Mr. Tomasz Pawelec, Industrial Development Expert, Net Zero Partnership for Industrial Decarbonization, UNIDO
- Ms. Adriana Fernández, Project Associate, Net Zero Partnership for Industrial Decarbonization, UNIDO

Innovate UK Industrial Decarbonization Portfolio

- Dr. James Coombs Obrien, Innovation Lead, Innovate UK

Thai CEMENT Climate Action on Green Industry

- Ms. Monwikan Kajohnboon, Secretary Working group- Environment and Climate Action, Thai Cement Manufactures Association

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Thematic Area: Industrial Decarbonization

➢ **Challenge:**

- Forecasted growth in industrial emissions in developing countries due to rapid urbanization and an increase in middle-class consumers, poses a significant challenge for global efforts to combat climate change.

➢ **Solution (A2D Facility's focus):**

- Alongside supporting developing countries on policy and regulatory frameworks, incentive schemes, technical assistance and innovative financing mechanisms, there is an important role for pilot demonstration projects of innovative clean energy technologies in energy-intensive industries, such as steel, cement and chemicals in developing countries.

Market Assessment on Accelerating Innovation in Industrial Decarbonization

Programmes, Projects and Initiatives:

- A2D Facility
- Industrial Deep Decarbonisation Initiative (IDDI)
- Net Zero Partnership
- Private Financing Advisory Network (PFAN)
- Global Cleantech Innovation Programme (GCIP)
- Circular Economy programme
- Persistent organic pollutants (POPs) management

UNIDO's expertise in Industrial Decarbonization

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Keynote Speaker

Sean Richmond, Climate Innovation Programme Manager, Department for Energy Security and Net Zero, UK Government

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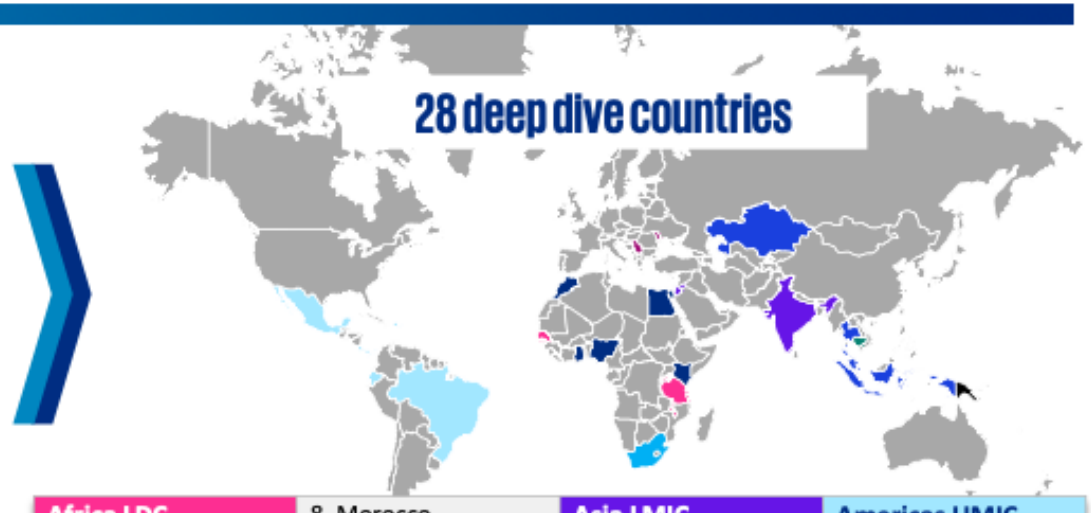
A2D Facility: Market Assessment on Smart Energy and Industrial Decarbonization



While the assessments provide a global view covering all 141 ODA recipient countries, a representative set of countries has been selected for deep dive analysis. These deep dives look at these countries as suitable environments for advancing and leveraging innovative technology solutions in smart energy and industrial decarbonization, they also provide an overview of existing and planned relevant projects. The selection of deep dive countries involved a nuanced approach based on performance in relevant indicators (including exclusion criteria) as well as regional, sub-regional and income-level representation.

Africa LDC		Asia LMIC	Americas UMIC
1. Malawi	8. Morocco	14. India	22. Domin. Republic
2. Rwanda	9. Ghana	15. Jordan	23. Costa Rica
3. Tanzania	10. Nigeria	Asia UMIC	24. Mexico
4. Senegal	Africa UMIC	16. Kazakhstan	25. Panama
5. The Gambia	11. Mauritius	17. Indonesia	26. Brazil
Africa LMIC	12. South Africa	18. Malaysia	27. Ecuador
6. Kenya	Asia LDC	19. Thailand	Oceania LMIC
7. Egypt	13. Cambodia	Europe UMIC	28. Papua New Guinea
		20. Moldova	
		21. Serbia	

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Landscape of stakeholders:

The importance of each stakeholder group varies along the technology innovation development process. This is reflected by the degree of the stakeholder involvement across different TRL stages. Moreover, each stakeholder group is constituted of different sub-groups whose importance differs.

Stakeholder Groups (exemplary representatives)	Innovators	Adopters	Controllers	Funders	Advisors	Influencers
	▪ Think tanks ▪ Academia ▪ Research organizations ▪ Startups ▪ Tech companies ▪ Corporate R&D ▪ Manufact. associations	▪ End users ▪ SME users ▪ Large Users ▪ Service companies ▪ Product manufacturers and retailers ▪ Private sector	▪ Government bodies ▪ Regulatory bodies ▪ Certification bodies ▪ Utilities ▪ Network operators ▪ Local authorities	▪ Banks ▪ Donors ▪ Financial Bodies ▪ Private finance ▪ Investment funds	▪ NGO's ▪ Energy associations and organizations ▪ Industrial associations ▪ Consultants	▪ Media ▪ Social media influencers ▪ Associations ▪ Ministers
Role	Develop new technologies, perform data analysis and provide technical expertise	Bring innovations to market, invest in technology development and scale up solutions	Set policies and regulatory frameworks, provide initial funding and facilitate demo projects	Provide capital for R&D and technologies deployment, and mitigate risks	Engage communities, provide on-the-ground support and share best practices	Raise awareness, facilitate collaboration and driving engagement through their platforms

Level of Involvement for each TRL Group — Low / Limited / High

At **TRL 3-4, innovators and advisors** are highly engaged in developing and refining the technology, while **funders** provide the required initial financial support (the majority of the interviewed experts stated that tech companies and corporate R&D play a pivotal role, and still 30% state that that start-ups are critical stakeholders at this stage).

As the technology progresses to **TRL 5-6, adopters and controllers** become more involved, with increased funding and advisory support (based on 80% of the interviewees). By **TRL 7**, all stakeholders, including adopters and influencers, are significantly engaged, adopters integrate the technology into operations, controllers ensure compliance, and **funders provide substantial investments for large-scale demonstrations** (30% of interviewees emphasized the importance of developing banks and bilateral donors' funding).

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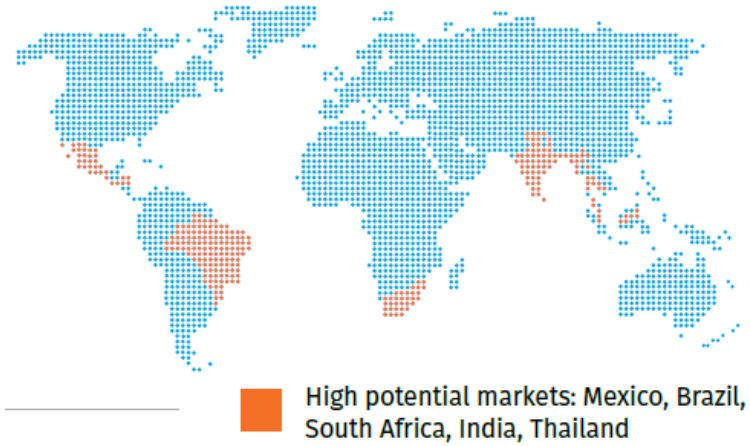
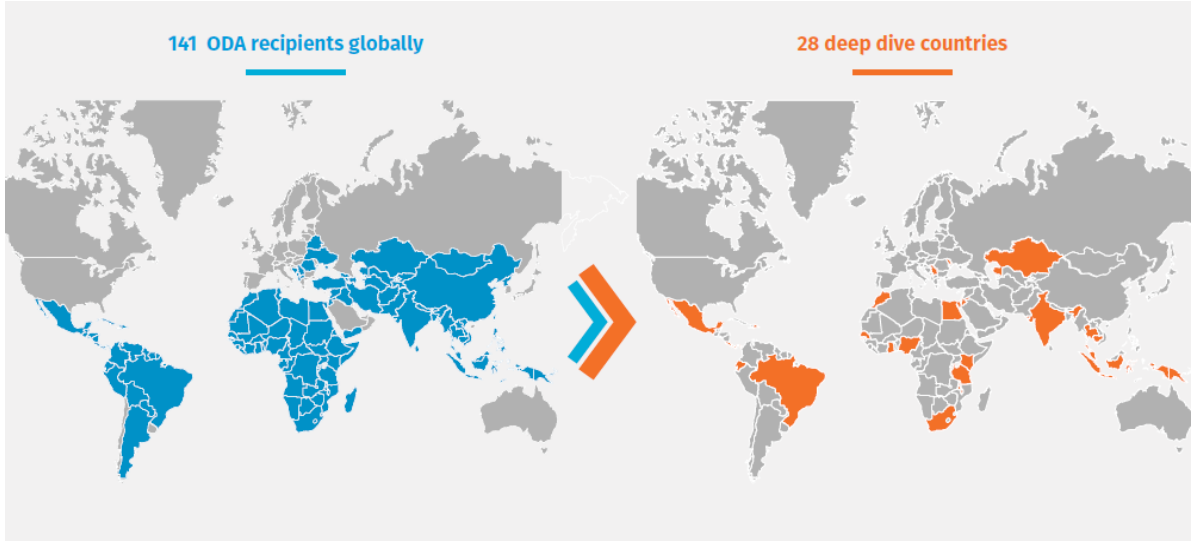
Partners: UK Government

Landscape of innovators:

Smart Energy and Industrial Decarbonization:
High-potential markets include India, Brazil, Thailand, South Africa, and Mexico, as they provide strong enabling environments and policy frameworks which advance the continued reduction in the costs of renewable energy technologies, making them more accessible.



Source: UNIDO A2D Facility Market assessment on smart energy and industrial decarbonization innovation in developing countries, November 2024



Source: UNIDO A2D Facility Market assessment on smart energy and industrial decarbonization innovation in developing countries, November 2024

Adoption of innovative technologies in both smart energy and industrial decarbonization fall into four main categories:
1) political and legal,
2) economic,
3) technological and environmental,
and 4) social.

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Summary of key findings – industrial decarbonization

The number of policy frameworks across countries and continents varies significantly. It is notable that **African and Asian countries tend to have more advanced policy landscapes related to sustainability, energy, and climate plans**. A central theme across all these nations is the improvement of **energy efficiency and the promotion of renewable energy sources as** well as the promotion of CCUS and hydrogen. **South Africa, Egypt, and Malaysia stand out as the most advanced countries in relation to technology innovation** to support industrial decarbonization. In contrast, **countries classified as LDCs place significant emphasis on waste treatment and management,** as well as **biomass technologies**. While there is a commitment to reduce GHG-emissions across industries, there is **often no strict emphasis on innovative technologies**.

Key issues related to technology innovation for industrial decarbonization covered by policies and regulatory frameworks across developing countries

Least-developed countries (LDCs):

Biomass energy (also relevant for UMIC and LMIC, but not as prevalent):
- Sustainable strategy to ensure a more sustainable supply of biomass energy (**biomass combustion technologies; Clean Coal Technologies**).
- Innovation in **biogas** production from organic waste, **integrated waste management**, and **composting technologies**.
- Promotion of cleaner fuels and technologies for **heating and cooking**, such as LPG, biogas, and modern biomass technology solutions.

Lower middle-income (LMIC) and upper middle-income countries (LMIC / UMIC):

Carbon capture, usage and storage (CCUS):
- Developing integrated **CCUS facilities** to capture and store carbon emissions from industrial processes, thereby reducing the overall carbon footprint of the industry.
- Innovations in **chemical solvents**, **membranes**, and **adsorption techniques** to improve the efficiency and reduce the costs of capturing CO2 from industrial processes.

Hydrogen energy:
- **Hydrogen** can replace fossil fuels in various industrial processes, such as in the production of ammonia and methanol. It can also be used as a **fuel for industrial heat** applications, reducing reliance on natural gas and coal.

Most common topics identified globally

Energy efficiency:
- Implementing energy efficiency measures in the industrial sector through retrofits, the adoption of new technologies.

Renewable energy:
- Promote the integration of wind, solar and hydro power systems to optimize the use of transmission infrastructure, reduce variability in renewable power generation, and achieve better grid stability.
- Increasing the use of renewable energy to generate electricity within industrial facilities and applying solar thermal energy in industrial processes.

Research and development:
- Across various sectors, with a focus on biofuels, solar energy, wind energy, bioenergy, geothermal heating, and low-carbon hydrogen
- New technologies and innovations that support decarbonization.

Waste management:
- Establishing waste and material recovery research and training institutions to build professional waste management capacity

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Landscape of technologies and initiatives:

The numbers on the map are representative of initiatives (excluding projects and multi-country initiatives) across the 28 deep-dive countries. The numbers for regional groupings include multi-country initiatives as well. The results are based on secondary research using multiple sources including multilateral agency websites, policy databases and general desktop research. This overview is not exhaustive and may not accurately reflect the distribution across regions.

Examples for regional initiatives

Africa

1. Smart energy solutions for Africa: Ghana, Kenya, Malawi, Morocco, Nigeria, Rwanda, South Africa, Tanzania
2. Project development program: Kenya, Nigeria, Ghana, Rwanda
3. Energizing Development: Kenya, Malawi, Rwanda, Senegal, Tanzania

Americas

RELAC Initiative (Renewables in Latin America and Caribbean): Dominican Republic, Ecuador, Costa Rica, Panama

Global

The Cement Breakthrough, launched at COP28, is co-led by Canada and UAE and endorsed by the global cement and concrete association, will benefit developing countries through knowledge and technology sharing for low-carbon cement production

Examples for national initiatives

Americas

SE	ID
Smart grids	Sustainable fuels
Energy storage systems	Circular economy
Integrating renewable energy (RE) sources	

14

Africa and Europe

SE	ID
Smart grids	Sustainable fuels
Energy storage systems	Circular economy
Energy efficiency	Energy efficiency

34

Asia and Oceania

SE	ID
Smart grids	CCUS
Big data	Circular economy
Energy storage systems	Sustainable fuels
Energy efficiency	Energy efficiency

27

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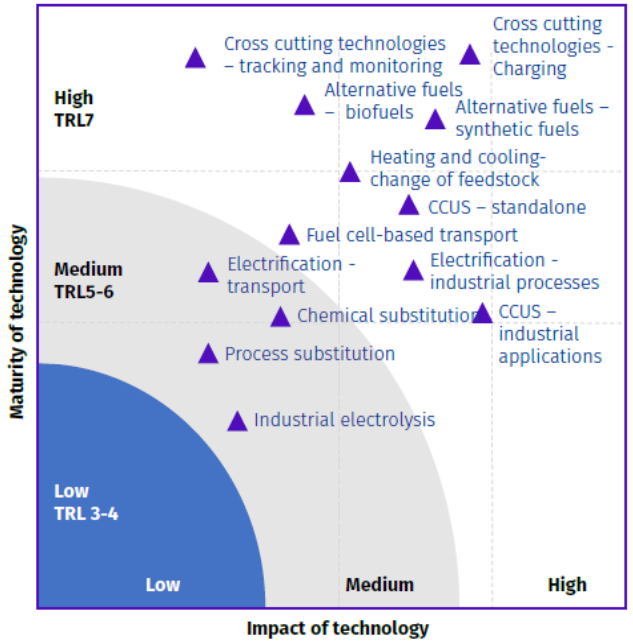
Partners: UK Government

Landscape of technologies and initiatives:

Industrial Decarbonization: In the area of industrial decarbonization approximately 200 technologies across TRLs 3-7 were identified and assessed. Most of these technologies are in the post-conception phase, with nearly 50% at the prototype or pilot testing stages.



Source: UNIDO A2D Facility Market assessment on smart energy and industrial decarbonization innovation in developing countries, November 2024

- **Industrial Decarbonization (and smart energy):** National Initiatives in Americas: 13 identified with RELAC being the most prominent one "REnovables in Latin America and the Caribbean (RELAC)." In Africa and Europe: 32, such as “African Circular Economy Alliance (ACEA)". Asia and Oceania: 27 initiatives identified, such as “Asia-Pacific Economic Cooperation (APEC) Smart Grid Initiative"

- **Industrial Decarbonization:** Sustainable fuels, Circular economy, Energy efficiency, CCUS

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A2D Facility Industrial Decarbonization Demonstration Project

"Greener Tea": Creating clean heat and power with biomass residues and gasification technology in Kenya

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International Institute of Tropical Agriculture (IITA)

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Partners: UK Government

Driving Net Zero Transformation for Green Industrialization

Net Zero Partnership for Industrial Decarbonization, UNIDO

Tomasz Pawelec, Industrial Development Expert

Adriana Fernández, Project Associate

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A2D Accelerate to Demonstrate Facility

Partners: UK Government

Innovate UK
Industrial Decarbonization Portfolio

James Coombs Obrien, Innovation Lead, Innovate UK

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A2D Accelerate to Demonstrate Facility

Partners: UK Government

Thai CEMENT Climate Action on Green Industry

Monwikan Kajohnboon, Secretary Working group-Environment and Climate Action, Thai Cement Manufactures Association

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A2D Accelerate to Demonstrate Facility

Partners: UK Government

Further Information

- **A2D Facility Website:** Visit the website here
- **A2D Facility LinkedIn Account:** Follow the LinkedIn page here
- **A2D Facility Mailing List:** Join the mailing list here
- **A2D Facility Year 1 Annual Report:** Access the Annual Report here
- **A2D Facility Market Assessments:** Access the reports here

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A2D Accelerate to Demonstrate Facility

Partners: UK Government

Accelerate-to-Demonstrate (A2D) Facility Annual Event

Thematic Session 4.2 Mini- Industrial Decarbonization Accelerator Lab: Designing Climate Solutions in Real Time

Wednesday, May 21st, 11:00am – 12:30pm (EAT)

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A2D Accelerate to Demonstrate Facility

Partners: UK Government

Introduction

Moderator

- Ms. Yi Zhang, Smart Energy and Industrial Decarbonization Project Coordinator, Accelerate-to-Demonstrate (A2D) Facility, UNIDO

Co-Moderator

- Ms. Giovanna Franca, Project Associate, Accelerate-to-Demonstrate (A2D) Facility, UNIDO

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A2D Accelerate to Demonstrate Facility

Partners: UK Government

Agenda

Time	Session Component	Activity Description
Before 11:00	Session Preparation: Choose Your Mini-Accelerator	• Participants entering the room will have the opportunity to pick a Mini-accelerator number for the session
11:00-11:15	Welcome & Framing the Challenge	• Moderator provides an overview of the session • Participants introduce themselves
11:15-11:25	Team Formation & Topic Selection	• Participants form 3 groups according to the Mini-accelerator number • Each group selects: 1) A target region 2) Decarbonization technology/solutions
11:25 – 11:55	Group Work: Solution Design	• Each group formulates a summary mini-proposal for a demonstration project, addressing elements such as (the following just for reference): – Regional industrial context – Technology suitability – Regulatory/incentive landscape – Infrastructure and resource needs – Financing and implementation model – Key local and international partners – Potential for scalability and replication Any other elements…
11:55 – 12:10	Group Pitches & Peer Feedback	• Each group presents a 3-minute pitch • Followed by 1–2 minutes of feedback from peers and moderator
12:10 – 12:25	Showcase of Successful Examples	• Volunteers present 2–3 case studies of real-world decarbonization projects they are working on • Highlight success factors and lessons learned
12:25 – 12:30	Wrap-Up & Reflections	• Key takeaways and participant insights • Invitation to collaborate beyond the session or connect with follow-up resources

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Topic Selection (10 minutes)

1) Target region
2) Decarbonization technology/solution

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Group Work (30 minutes)

Solution Design – Mini-Accelerator Lab

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Lab Results (15 minutes)

Peer Feedback

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Real-World Examples (15 minutes)

Volunteers?

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How do you like the Lab?

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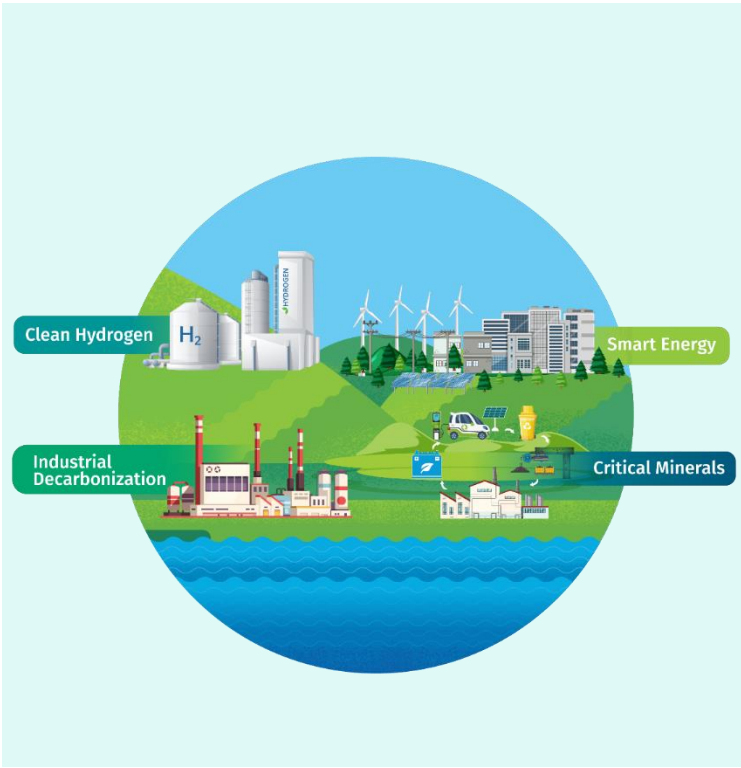


How to participate in UNIDO Call-for-Proposals

Information Session for interested grant applicants

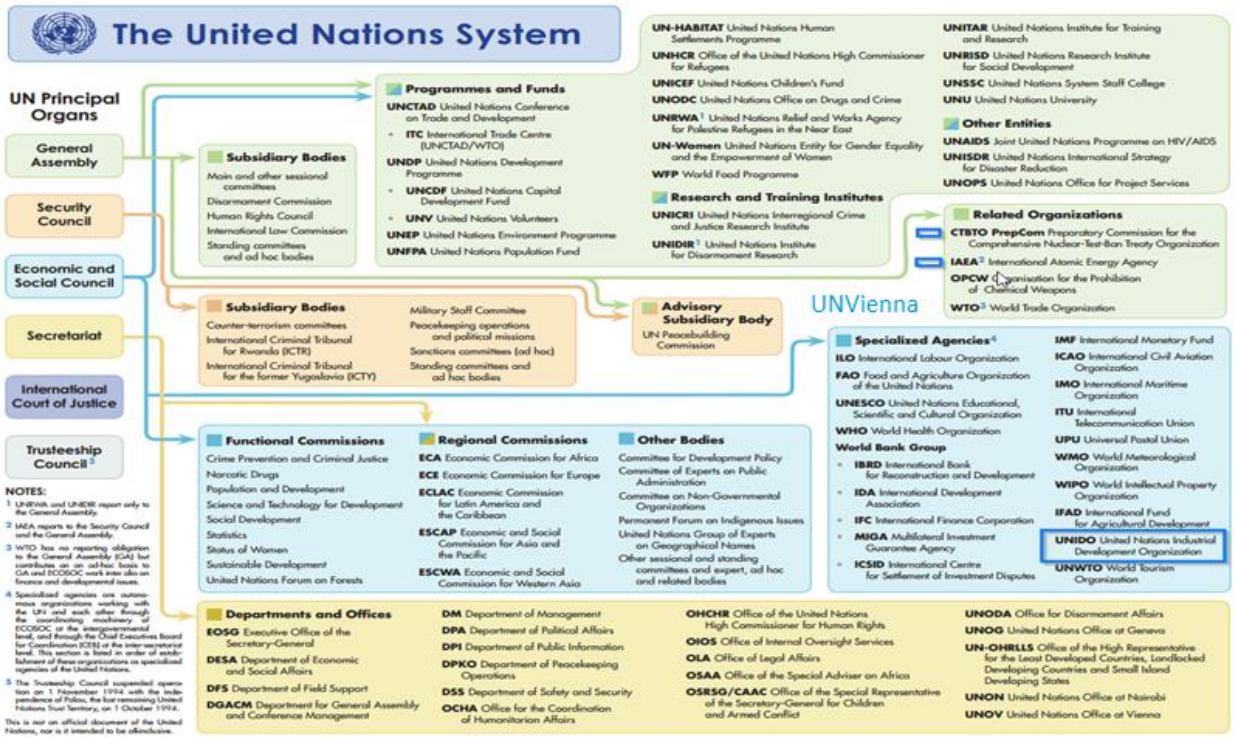
Agenda

- Introduction about UNIDO and the Procurement Services
- What is a Call for Proposals?
- A2D 2nd Call for Proposals
  - Brief overview of the current CfP
  - Qualification Requirements
  - What to consider for the application
- How to successfully submit a proposal
- Evaluation of the proposals
- General tips
- Addendum: UNIDO Financial Processes and Reporting

UNIDO

UNIDO stands for the **U**nited **N**ations **I**ndustrial **D**evelopment **O**rganization

UNIDO is a specialized agency of the United Nations that promotes industrial development for poverty reduction, inclusive globalization, and environmental sustainability through its programmes and projects (e.g. A2D facility project)



UNIDO Procurement Services

is responsible for:

Tendering/call for proposals, solicitation of proposals and related evaluation, awarding and management of:

- contracts and purchase orders awarded to service providers and equipment suppliers (under UNIDO Procurement Manual);

- Implementing Partner and Grant Agreements (under the UNIDO Grants Manual)

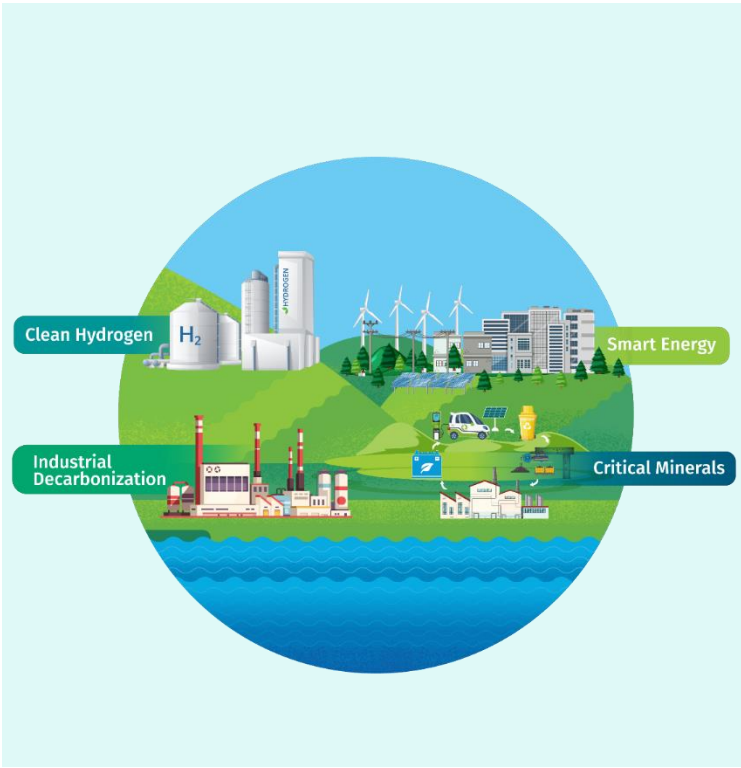
PROCUREMENT PRINCIPALS

- ✓ on a broad international basis
- ✓ by using procurement/grant methods
- ✓ depending on the value and complexity of the requirements

PROCUREMENT PRINCIPALS

PROCUREMENT ETHICS

UNIDO requires its contractors/partners to adhere to the highest ethical standards, and promptly report to UNIDO any known or suspected acts of fraud or corruption, or non-compliance with any exclusion criteria, during the tender process and/or during the execution of an agreement concluded with UNIDO



What is a UNIDO Call-for-Proposals (CfP)?

Which documents does it comprise?

What is a UNIDO Call-for-Proposals (CfPs)

- CfPs are…
  - used when UNIDO approaches the market/targets grant applicants through open competition to receive grant proposals for requirements within the framework of a specific programme or project (here the A2D facility)
  - based on a Grant = funds are transferred from UNIDO to a grant beneficiary (identified through the CfP) to implement its proposed project in accordance with the UNIDO Grants Manual

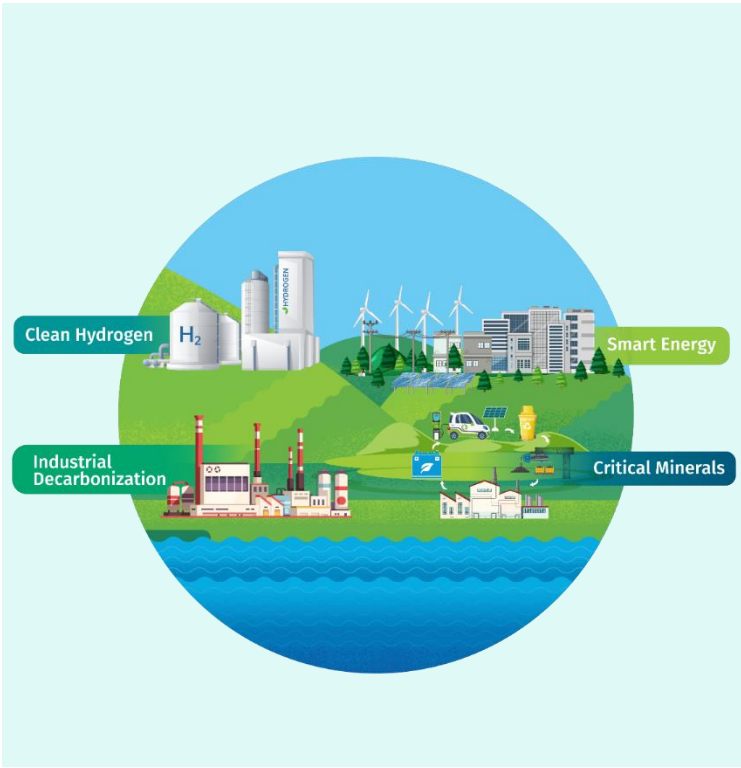
What is a UNIDO Call-for-Proposals (CfPs)

- CfPs comprises the following documents…
  - **Call for Proposal Instructions:** background information of the UNIDO Project, Terms of Reference (TORs), eligibility criteria, qualification requirements, evaluation criteria, scoring method etc.
  - **Application Form:** needs to be filled out by the applicant in detail, providing detailed information and explanations
  - **Mirco-Assessment Form:** self - risk assessment comprising questions about the grant beneficiary's capacities in areas of project management, organizational structure and staffing, accounting policies and procedures, fixed assets and inventory, financial reporting and monitoring as well as procurement and contract administration
  - **Model Grant Agreement and General Terms of Condition**
  - Various other Forms: UNIDO Financial Statement and Confirmation, UNIDO Bank Information Form, Statement of Confirmation (Exclusion Criteria acceptance) etc

Operational Guidelines

- **Provide guidance** and **set out procedures** to enable the Grant Beneficiary to effectively and efficiently implement the Project financed by the Grant in accordance with the terms and conditions of the grant agreement that form an integral part thereof.

- The operational guidelines include the following Appendices:
  - Appendix 1: Workplan
  - Appendix 2: Procurement Plan
  - Appendix 3: Risk Monitoring and Reporting Form
  - Appendix 4_I: Progress and Final Technical Reports
  - Appendix 4_II: A2 D Facility Project Reporting
  - Appendix 5: Financial Report Form
  - Appendix 6: Official Incident Report – Inventory Records or other Assets (only if applicable)
  - Appendix 7: Form of Letter with Certified Signatures
  - Appendix 8: Request for Payment



A2D 2nd Call-for-Proposals

A2D Call for Proposals

- 1st Call last year
  - 5 grant beneficiaries were identified and awarded a UNIDO grant agreement with an amount of up to USD 5 million each

- 2nd Call: published and open until 7 July 2025, 4:00 p.m. CET
  - Reference number: 7000007703
  - IMPORTANT: 4 submission windows
    - Global Window (proposals of USD 1 – 5 million)
    - Thematic Window (proposals of USD 1 – 5 million)
    - Geographic Window (proposals of USD 1 – 5 million)
    - Larger-scale demonstration projects Window (USD 15 – 20 million)

  - **Proposals must only be submitted into one window**
    - Only 1 proposal per company

NOTE: Implementation of the projects should be completed no later than 14 December 2028

How does the Call-for-Proposals look like?

ANNEX III

APPLICATION FORM FOR SELECTION OF GRANT BENEFICIARY
for implementation of a
"Pilot Demonstration Project under UNIDO's Accelerate-to-Demonstrate (A2D) Facility"

Project Name

Lead Organization Applicant Name, Logo and D

UNITED NATIONS INDUSTRIAL DEVELOPMENT ORGANIZATION

Call for Proposals (CfP) for the selection of Grant Beneficiary for the implementation of A2D Facility Demonstration Projects in Developing Countries

20 May 2025

The United Nations Development Organization (UNIDO) hereby invites you to submit a full written grant proposal for implementation of later-stage demonstration projects under the Accelerate-to-Demonstrate (A2D) Facility to accelerate the commercialization of innovative clean energy solutions in developing countries (countries that are eligible to receive Official Development Assistance (ODA) – please see the list here: https://www.oecd.org/en/topics/sub-issues/oda-l. This refers to all countries indicated in all e of the following thematic areas: critical decarbonisation.

PROJECT PROPOSAL SUMMARY	
Project Title:	
Location (Countries and States of the activities):	
Name of Lead Organization and Consortium Partners:	Lead Organisation:
	Consortium Partners:
Lead Organization's Website (if available):	
Project Start Date:	
Project End Date: *(All A2D Facility-funded activities must fully close no later than 14 December 2028 and contingency buffers should be built in to ensure this)*	
Window Submission (select one window only):	□ 1. Global window
	□ 2. Thematic window
	□ 3. Geographic window
	□ 4. Larger-scale demonstration projects window
Thematic Focus (select one primary focus only):	□ 1. Critical minerals
	□ 2. Clean hydrogen
	□ 3. Smart energy

Qualification Requirements

Strictly in line with Section VI of the CfP Information Form

Comprises documents/criteria like:

- Duly filled Application Form
- Certification of Registration of the Lead organization
- At least three (3) years in business
- In case a consortium is formed requirements indicated in Section V, Part B, must be met
- Duly filled out Micro Assessment Form
- Financial Forms (audit financial statements, UNIDO financial statement and certification form etc.)
- applicant must abide by the UNIDO Policy on Exclusion from Funding and UNIDO Policy on the Protection of Personal Data, by completing and signing the UNIDO Statement of Confirmation Form (Annex VII of this CfP).
- Acceptance of the UNIDO model grant agreement and general conditions

Qualification Requirements

Section VI of the CfP Information Form

Comprises documents/criteria like:

- Activities must be within the list of in-scope activities outlined in the Information Form
- Projects must be implemented in a developing country

  Note: to review if a country that is eligible to receive Official Development Assistance (ODA)

  https://www.oecd.org/en/topics/sub-issues/oda-eligibility-and-conditions/dac-list-of-oda-recipients.html) to be eligible for support.
- Innovative solution must be at the later-stage demonstration phase of the innovation cycle
- Proposal must formally partner with at least one local organization in the developing country where the demonstration project is being implemented.

  Where the lead applicant is from the developing country, this condition is met automatically

  NOTE: Locally registered branches of international companies and organizations (= lead organization) that are located in the developing country where the project will be implemented, will not be considered as meeting the requirement of a local organization in the targeted developing country, even if they are registered as a separate company or organization in the country

Qualification Requirements

Section VI of the CfP Information Form

Comprises documents/criteria like:

- Lead grant applicants may not submit more than one grant proposal for this CfP etc. -- please review additional detailed information in Section VI
- Proposed demonstration projects must fit into at least one of the four thematic areas-of-focus
  Proposals must only be submitted into one of the four submission windows
- Lead organizations/entities, who have been awarded a Grant Agreement under the previous A2D Facility Call for Proposals are not allowed to participate on their own or as a consortium partner of another lead applicant
- Lead grant applicant must confirm willingness to open a dedicated USD bank account in case of grant award

NOTE: For a full and more detailed/ explanatory list of the qualification requirements, please see Section VI Part A etc. of the CfP Information Form and the Application Form

Consortia

A consortium may be formed, however, **UNIDO will only sign the Grant Agreement with one company (= the lead company).**

Lead grant applicants **may not submit more than one grant proposal** for this CfP [on its own and/or separately as a joint venture partner/consortium member (except as a declared sub-contractor)].

An applicant's submission as a lead grant applicant or **participation** as a consortium member **in more than one grant proposal will result in the disqualification** of all grant proposals in which such applicant is involved.

Please note that **solely co-financing/co-funding entities** that are not involved in the implementation of the project and are not receiving any of the A2D Facility grant (whether directly, through a lead applicant or indirectly) **may fund/provide co-financing/co-funding to more than one proposal** (as evidenced through submitted MoUs, contractual agreements or equivalent). The co-financiers'/co-funders' role(s) must be made clear in the proposal.

Consortia

Role of the lead company:

During tender:

to provide the financial strength requested in the CfP [Financial Statements with a certain revenue, a rating report, if available when submitting the proposal]

In case of award:

- signs the Grant Agreement with UNIDO
- is fully responsible and accountable for the fulfillment of the grant agreement vis-a-vis UNIDO
- acts as the focal point for communication with UNIDO (project team as well as procurement team)
- assumes responsibility for reporting to UNIDO
- submits the invoices (to allow receipt of the funds after each agreed upon deliverable/milestone)

Note: Distribution of funds within the consortia members is to be handled among consortia members according to their own/internal agreement.

What to consider for the application

- Tax status (VAT):
  - Tax exemption to grant beneficiaries or related consortia members (and/or their sub-contractors) varies on a country-by-country basis. Grant applicants should inform themselves related to country specific government provisions and include/consider such information in its grant proposal.
  - Note: In most countries tax exemption to grant beneficiaries and/or related consortia members is not granted.

- Ownership of equipment or assets purchased with grant funds from UNIDO & related insurance requirements
  - Assets and property procured with funds paid by UNIDO pursuant to the grant agreement shall be the property of the grant beneficiary
  - The grant beneficiary shall have title in said property or asset and make use of it for purposes of implementing the project for the entire duration of the grant agreement

  NOTE: grant beneficiaries must therefore ensure appropriate insurance of the equipment throughout the period of the grant agreement

What to consider for the application

- Intellectual Property Rights:
  - Each Party shall retain full and sole ownership of its preexisting copyright, trademark, patent and other intellectual proprietary rights. Unless otherwise stipulated in the Grant Agreement, rights to intellectual property shall become the property of the Grant Beneficiary (as per General Conditions of the agreement)
  - However, the Grant Beneficiary grants UNIDO a perpetual, non-revocable, paid-up, royalty-free, non-exclusive and transferable license to copy, distribute and use any such grant beneficiary project-developed IPR and undertakes to take appropriate steps as may be required to allow UNIDO to obtain and secure such license

- Eligible Costs
  - Not all costs are considered as eligible for reimbursement in the framework of the grant funds - depends on the donor.
  - For the A2D CfP presently published eligible costs can be found under Section V Part D of the CfP

What to consider for the application

- Revenue generated from the Project:
  - In case the projects accrues revenue, the grant beneficiary shall maintain a record of any income earned on funds transferred by UNIDO to the grant beneficiary and report it to UNIDO within periodic financial reports for UNIDO's review and decision as deemed appropriate. The Grant Beneficiary is expected to refrain from utilizing any (all or part) of the grant funds for any other business purposes aside from the implementation of the approved grant activities

- Structure of Project Disbursement (milestone plans)
  - The disbursement structure is milestone-based payments tied to deliverables.

    A2D Facility generally does not support advance payments

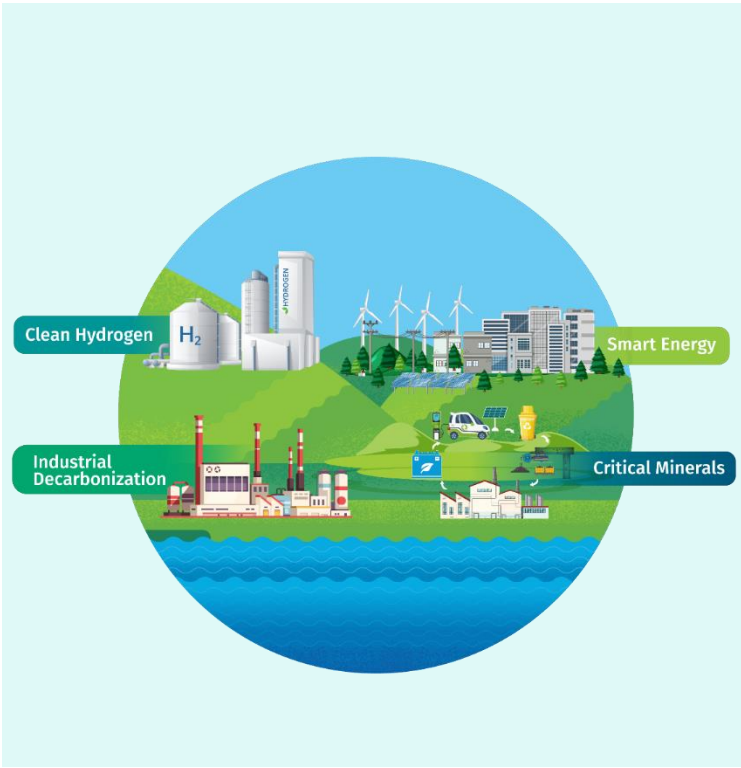
    [first payments are set within a threshold of 10% of the total approved grant amount]
  - Requests for receiving funds outside of the distribution schedule are not permissible.

What to consider for the application

- Dedicated Bank Account
  - After the award, a dedicated Bank Account from the Grant Beneficiary is required/mandatory. It aims at ensuring a seamless financial review process by preventing the co-mingling of UNIDO funds with other donor funding.

- Re-allocation between budget outputs
  - Budgetary reallocations are allowed only in specific and exceptional cases and only with prior approval from UNIDO.

    The administrative budget cannot exceed the 10 percent threshold!


Clean Hydrogen
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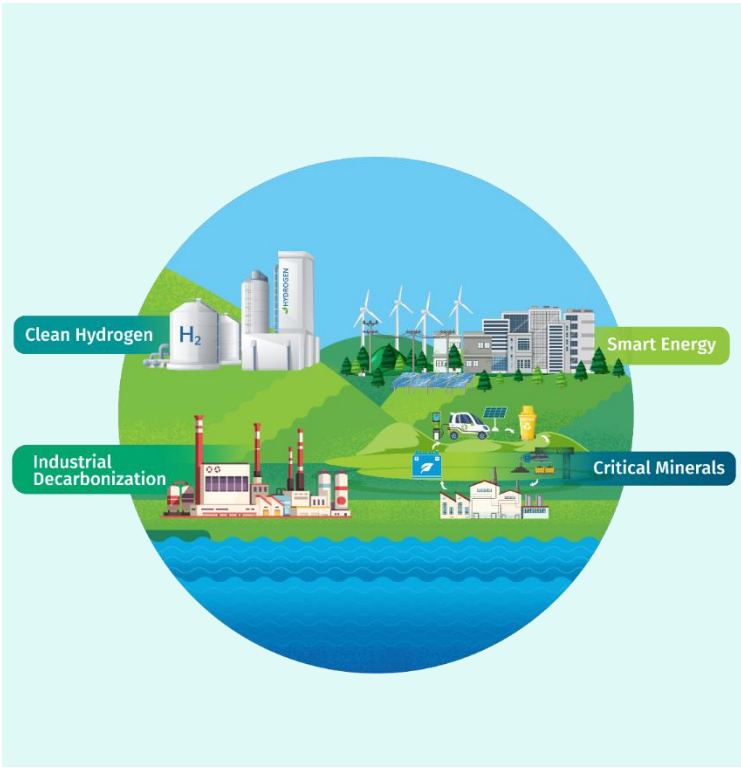
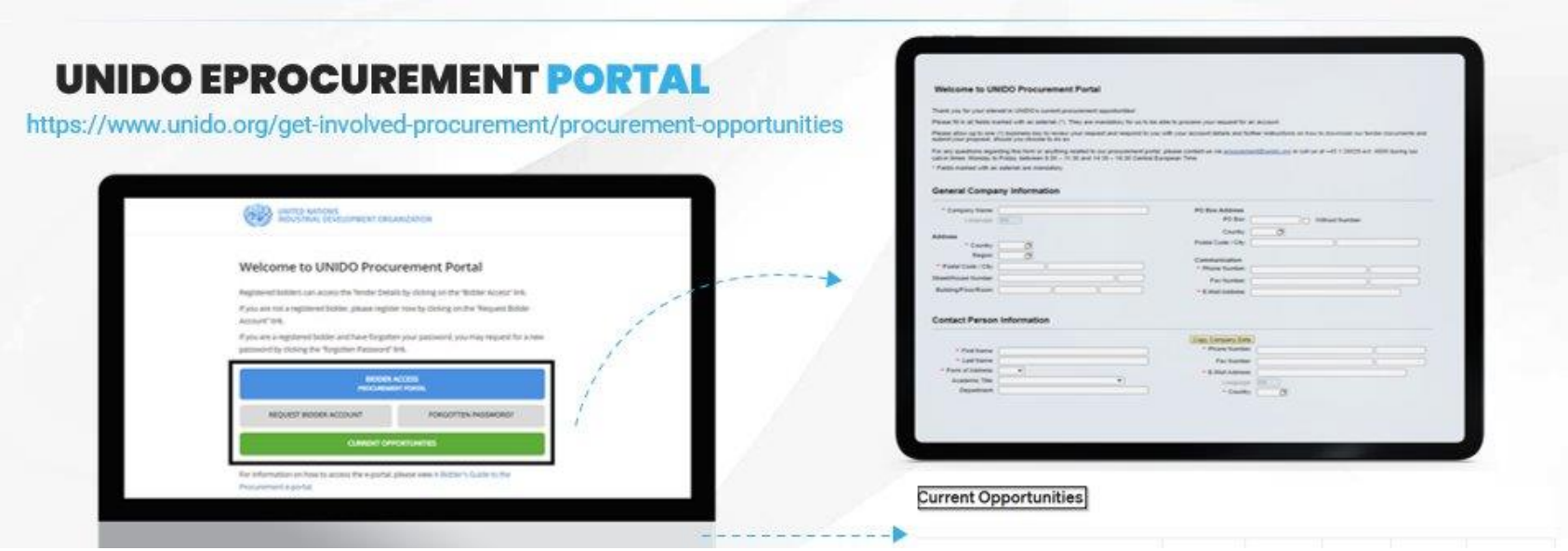
Critical Minerals

Questions ?



Submitting a proposal

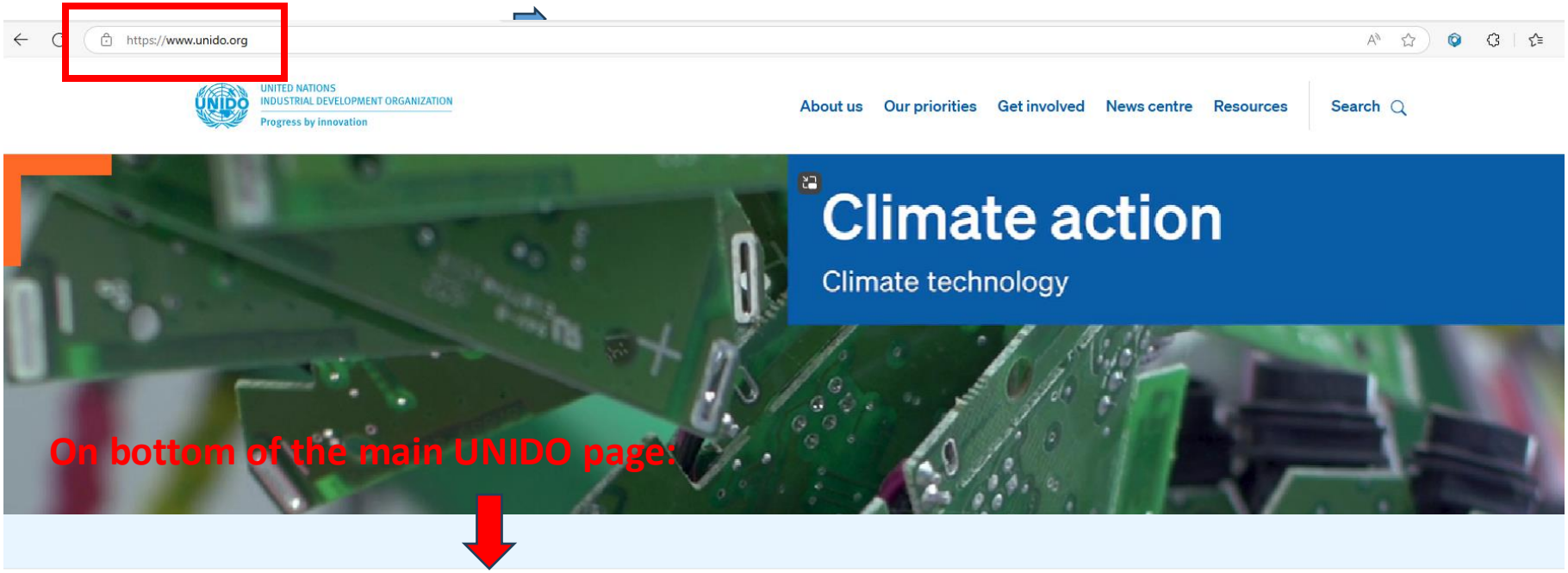
UNIDO e-Procurement portal



Links:
UNIDO: [UNIDO - Procurement Portal]
UNGM: [Procurement opportunities]

UNIDO's eProcurement Portal

Please visit: www.unido.org;



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- Procurement
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  - Registration in UNIDO's Database
  - General Procurement Conditions
  - Notices
  - Contract Awards
  - UN Global Compact
  - UNIDO Procurement Manual
  - UNIDO Grants Manual

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PCB Analyses, BD	Bangladesh	03.06.2025 16:00:00 CET	RFP (1 env.)	7000007706	Click here for more information
For the Provision of Capacity Building to National Services Basic Education Schools in Science, Technology, Engineering and Mathema	Liberia	03.06.2025 17:00:00 CET	RFP (1 env.)	7000007674	Click here for more information
Replacement of UPS batteries for the IAEA Data Centers in C-3T3B at the Vienna International Centre.	Austria	04.06.2025 16:00:00 CET	Inv. to Bid (1 env.)	7000007695	lick here for more information
Call for Proposals (CfP) for the selection of Grant Beneficiary/ies for the implementation of A2D Facility Demonstration Projects i	Austria	07.07.2025 16:00:00 CET	RFP (1 env.)	7000007703	Click here for more information
PURCHASE OF METROLOGY LABORATORY EQUIPMENT – CHEMICAL LAB - ARMENIA	Armenia	08.06.2025 17:00:00 CET	Inv. to Bid (1 env.)	7000007704	Click here for more

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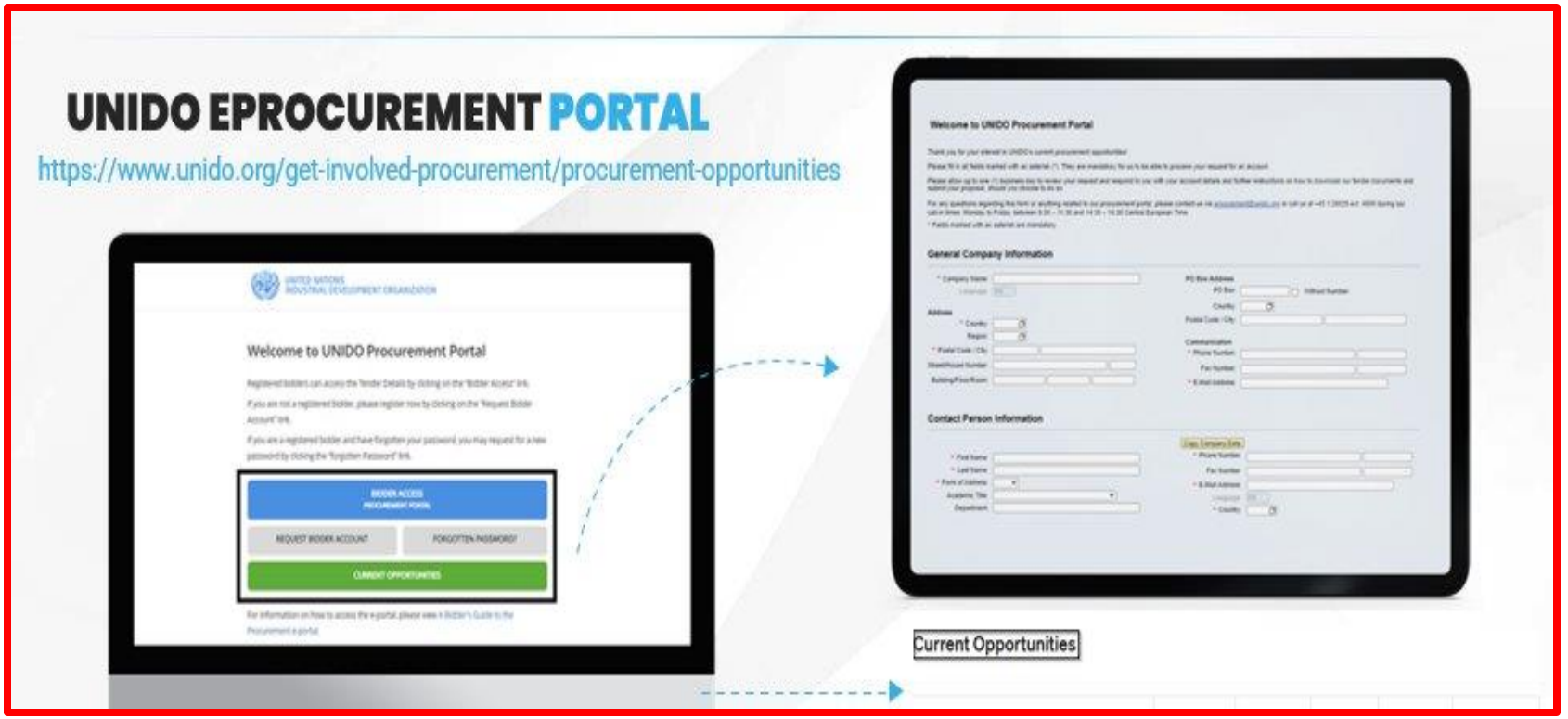


In case of technical/system issues please contact our helpdesk at procurement@unido.org

During the publishing period…

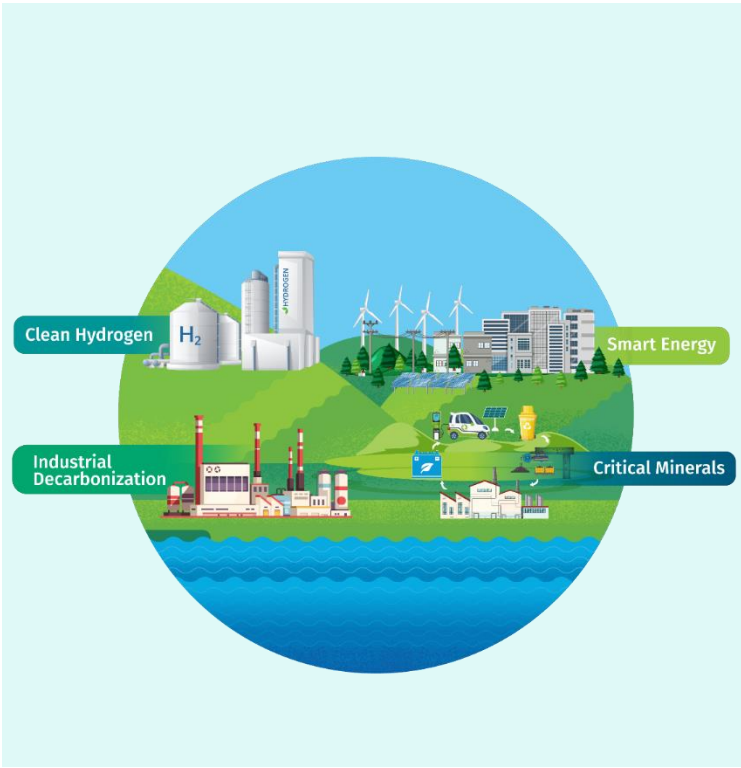
Communication is only allowed exclusively with UNIDO Procurement!

- All clarification requests must be directed to the UNIDO Procurement Services via e-mail or the e-Procurement Platform.
- **Questions regarding eligibility of an entity will not be entertained!** Eligibility criteria are clearly outlined in the Call for Proposal document. Thus, it is subject to the evaluation.
- **Submission of the proposal must be via the UNIDO e-procurement platform**
  Submission via e-mail is not allowed, will be disqualified!
- Ensure **timely registration** on the UNIDO e-procurement platform (5 business days).
- **Late submission are not allowed.** It is the company's responsibility to make sure that all the documents are submitted (not only 'save' status) by the deadline. Last minutes technical problems cannot be entertained.

What to submit with the application?

- Application Form: duly filled out, detailed and easily understandable
- Co-financing contributions: amounts are to be included within the budget plan & signed MoUs or similar to be submitted as per CfP requirements
- In case of consortia: consortia letter, clearly indicating the lead company, signed by all consortia members (+ description of all companies, responsibility of each, reference project(s) where applicable etc.)
- Letter of Acceptance of the UNIDO model grant agreement and general conditions of agreement
- Micro-Assessment Form - duly filled out excel form
- Organizational documents:
  - Certificate of Registration
  - Financial Statements of the last three years in business
  - UNIDO Bank Information Form
  - UNIDO Financial Statement and Certification Form
  - Statement of Confirmation
  - Rating report (as soon as available)

Please see the CfP Information Form and Application Form for all and more detailed instructions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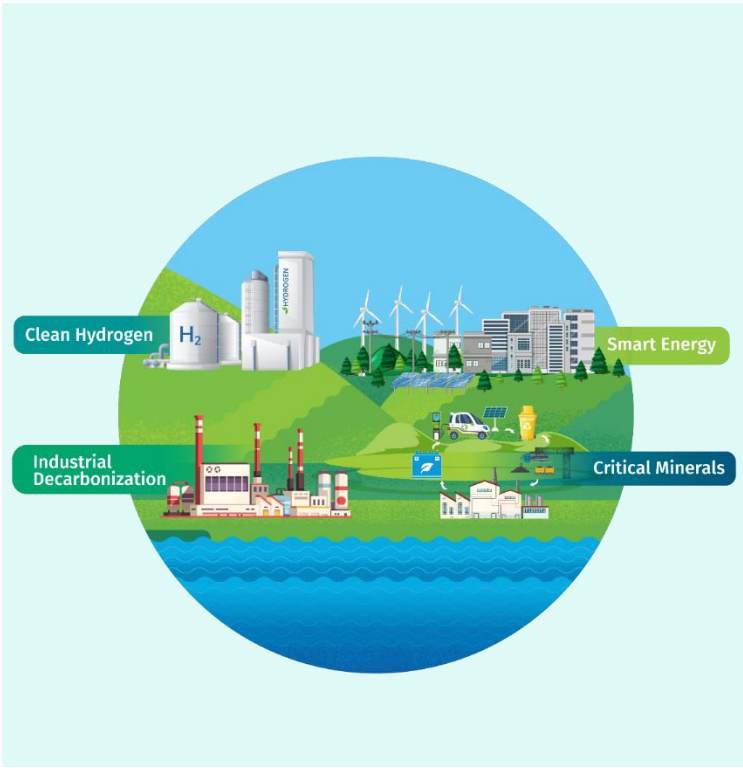


Evaluation of the Proposals

Evaluation of Grant Proposals

A **Grant Evaluation Committee (GEC)** is formed comprising of UNIDO experts from side of administration as well as various technical departments.

The evaluation of the four project windows will be done on a **project window by project window basis** (= separate evaluation of Global, Thematic, Geographic and Larger-Scale windows).

UNIDO reserves the right to re-assign submitted proposals within the various windows prior to starting the evaluation e.g. if a proposal has been submitted under window 1, UNIDO could re-assign it for evaluation under one of the other windows.

There are **no set funding caps for each window** and UNIDO reserves the right to allocate available funds to each window as part of the evaluation process. Please also note that UNIDO reserves the right not to allocate any funding to a given window, depending on the funding available.

IMPORTANT:

After the deadline to submit proposals: clarifications may be requests from Procurement Services via e-mail

Failure to respond to a clarification request within the given time frame might lead to disqualification of the proposal!

Evaluation of Grant Proposals

Main stages of the Evaluation:

in line with the criteria outlined in the CfP documents:

- Preliminary Evaluation:
  - Section VI - Part A of the CfP

- Technical Evaluation:
  - Section VI - Part B of the CfP

    8 technical evaluation criteria with 10 points each; minimum threshold of 6 points per evaluation criteria.
    Maximum score: 80 Minimum score to be considered technically acceptable: 48

- Commercial Evaluation:
  - Section VI - Part C of the CfP

    3 financial evaluation criteria with 10 points each; minimum threshold of 6 points per evaluation criteria.
    Maximum score: 30 Minimum score to be considered financially acceptable: 18

IMPORTANT:

UNIDO reserves the right to assess the capacity of the grant applicants in all terms throughout the entire evaluation process.

Ranking of the Grant Proposals

Finally, a ranking of technically and financially scored and acceptable grant proposals is carried out

For the present CfP: **Total Score = Technical Score x 70% + Financial Score x 30%**

Ranking: from the highest scored to the lowest scored proposal

RANKING DOES NOT AUTOMATICALLY MEAN THAT A GRANT WILL BE AWARDED.

GRANTS ARE DISTRIBUTED WITHIN THE AVAILABLE FUNDS.

RANKING LIST MAY BE LONGER BUT FUNDS ARE ONLY AVAILABLE FOR LIMITED NUMBER OF GRANTS.

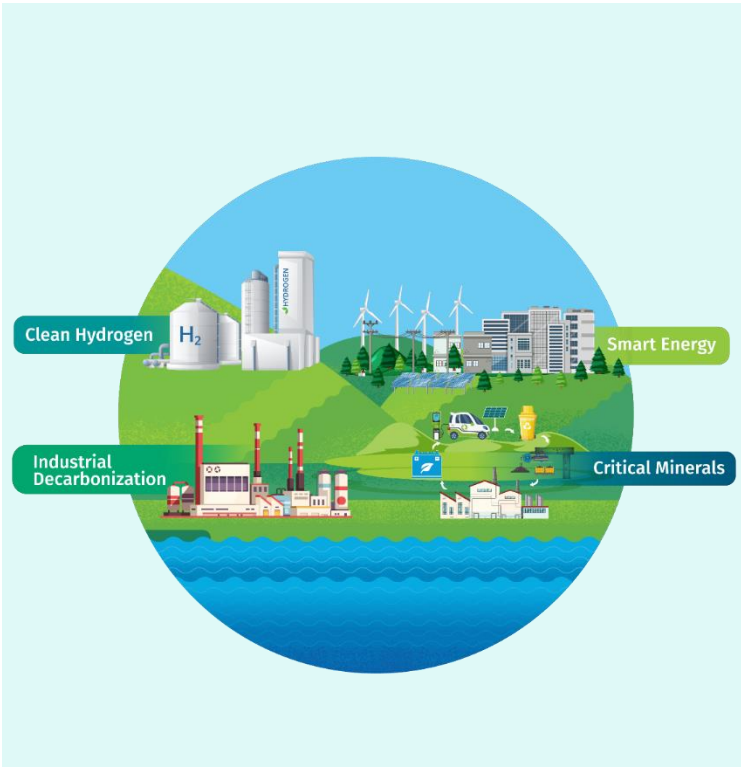
End of process/debriefing

Unsuccessful grant applicants are informed through an e-mail

Grant applicants may ask for more detailed feedback on their proposal (= information about what the proposal lacked/was not successful) to allow consideration and improvement for similar/future proposals

NOTE: a formal protest is not for the purpose of receiving a debriefing but a legal action in case of an applicant believing in violation of the process.

UNIDO, as per Grants Manual provision, foresees a protest procedure. The details of the protest modalities are to be found in the Grants Manual.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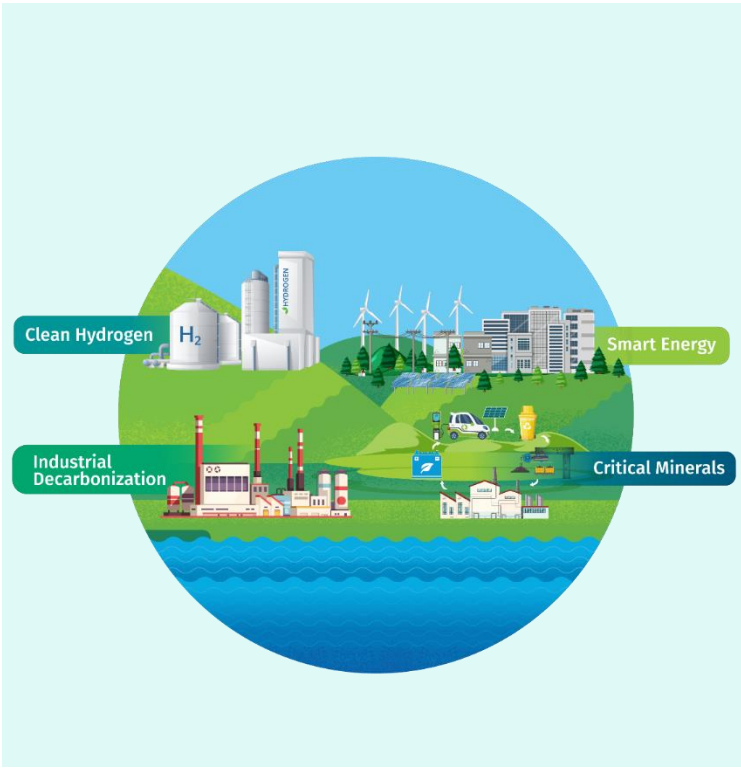

General tips

General tips

- Make sure to register on the UNIDO e-Procurement platform on time
  - Registration could take up to five (5) business days. Thus, we recommend registering immediately if you are interested.
  - You can register under the following link: UNIDO - Procurement Portal
- Read the documents carefully
  - It is vital to understand the eligibility criteria as well as the qualification requirements
- Fill out the required documents diligently
- Kindly name the documents in a descriptive way
  - i.e. “Certificate of Registration_COMPANY NAME”
- Make sure that your submission includes all the required documents
  - If certain documents are missing, UNIDO may not be able to consider the application
- Timely submission
  - Do not wait until the last minute to upload the documents, as it potentially takes longer than expected

General tips

- Duly filling out the Micro Assessment form
  - Use the drop-down menu in the "Risk Assessment" column, which automatically results in an assigned score in the "Risk points" column. If not done correctly, the form will show an error, as per the picture below.
  - If the form has been filled out correctly, a risk score as well as an area risk rating and an overall risk rating is calculated at the bottom of the area
  - Please make sure to include remarks and comments

Micro-assessment workbook

Subject area *(key questions in **bold**)*	Yes	No	N/A	Risk Assessment	Risk points	Remarks/comments
1. GRANT BENEFICIARY						
1.1 Is the Grant Beneficiary legally registered? If so, is it in compliance with registration requirements? Please note the legal status and date of registration of the entity.					Error	
1.2 If the Grant beneficiary received United Nations resources in the past, were significant issues reported in managing the resources, including from previous assurance activities.				N/A High Significant Moderate Low	Error	
1.3 Does the Grant beneficiary have statutory reporting requirements? If so, are they in compliance with such requirements in the prior three fiscal years?					Error	
1.11 Does the Grant beneficiary have any key financial or operational risks that are not covered by this questionnaire? If so, please describe. Examples: foreign exchange risk; cash receipts.		No		Low	1	
Total number of questions in subject area:	**11**					
Total number of applicable questions in subject area:	**11**					
Total number of applicable key questions in subject area:	**5**					
Total number of risk points:	**19**					
Risk score	**1.727**					
Area risk rating	**Low**					

Thank you for your attention!

Questions ?

UNITED NATIONS
INDUSTRIAL DEVELOPMENT ORGANIZATION

A2D Accelerate to Demonstrate Facility

Partners: UK Government

Accelerate-to-Demonstrate (A2D) Facility
Annual Event

Plenary session 2: Closing

Wednesday, May 21, 4:00pm – 5:30pm (EAT)

UNITED NATIONS
INDUSTRIAL DEVELOPMENT ORGANIZATION

A2D Accelerate to Demonstrate Facility

Partners: UK Government

Agenda

Time	Activity
16:00 – 16:05	Introduction, Mr. Peter Warren, A2D Facility Manager, UNIDO
16:05 – 16:10	Closing Remarks: Ms. Tally Einav, Head of Office and Representative to Kenya, Comoros, Eritrea, Seychelles and South Sudan, UNIDO Ms. Lara Hirschhausen Head of International Climate Finance Innovation Programmes, UK Department for Energy and Net Zero
16:10 – 17:00	Panel: Looking Ahead: Accelerating Climate Innovation through Collaboration and Investment - Ms. Marcella Falcão, Cubo Itaú, Brazil - Ms. Thu Minh Tran, Netherlands Development Organization SNV - Mr. Mahandra Rooplall, Industrial Development Corporation, South Africa - Moderator: Mr. Peter Warren, A2D Facility Manager, UNIDO
17:00 – 17:10	Participant Feedback Form

UNITED NATIONS
INDUSTRIAL DEVELOPMENT ORGANIZATION

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Closing Remarks

Ms. Tally Einav,
Head of Office and Representative to Kenya,
Comoros, Eritrea, Seychelles and South Sudan
UNIDO

UNITED NATIONS
INDUSTRIAL DEVELOPMENT ORGANIZATION

A2D Accelerate to Demonstrate Facility

Partners: UK Government

Closing Remarks

Ms. Lara Hirschhausen
Head of International Climate Finance Innovation Programmes, UK Department for Energy and Net Zero

UNITED NATIONS
INDUSTRIAL DEVELOPMENT ORGANIZATION

A2D Accelerate to Demonstrate Facility

Partners: UK Government

Panel Discussion

Moderator:
Peter Warren,
A2D Facility Manager,
UNIDO

Mahandra Rooplall
Industry Development Planner, IDC

Marcella Falcão,
Head of Growth,
Cubo Itaú

Thu Minh Tran,
Senior Energy Advisor,
Netherlands Development Organisation SNV

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Participant Feedback Form

Please scan the QR code and completed the participant feedback form. Your feedback is important for us to improve future activities.

UNITED NATIONS INDUSTRIAL DEVELOPMENT ORGANIZATION

A2D Accelerate to Demonstrate Facility

Partners: UK Government

Further Information

A2D Facility Mailing List

- Today:
  - Evening activity departure to Nyama Choma Ranch.
  - 6.30pm prompt departure from in front of the hotel. Please be on time!

- Tomorrow:
  - x2 site visit options: decarbonizing the tea industry and smart energy management systems in geothermal power
  - Departures: 7.30am prompt departure from in front of the hotel. Please be on time!
  - You can leave your luggage at the hotel after checkout.
  - You can extend your stay at reduced costs.

A2D Facility Website: Visit the website here
A2D Facility LinkedIn Account: Follow the LinkedIn page here
A2D Facility Mailing List: Join the mailing list here
A2D Facility Year 1 Annual Report: Access the Annual Report here
A2D Facility Year 2 Annual Report: Access the Annual Report here
A2D Facility Market Assessments: Access the reports here

Second Call-for-Proposals:

- UNIDO - Procurement Portal for detailed information on the second call-for-proposals
- Proposals can be submitted up until 16:00h CET on Monday 7 July 2025
- All enquiries on the call must only be sent to: procurement@unido.org
- Information session on the call-for-proposals on Wednesday 21 May, 2.00-3.30pm