

Welcome to the EPC and Developers Circle

Chair: Fabien Leterrier - Head of Mini-grids Design and Construction - ENGIE Energy Access

Coordinator: Julia von Franz - Policy & Advocacy Officer - Alliance for Rural Electrification



Renewable Energy House - Brussels



19 September 2024

Agenda

14:00-18:00 CEST	Room 103, Renewable Energy House, Brussels, Belgium
14:00 – 14:10	Opening - Julia von Franz (Circle Coordinator)
14:10 - 14:30	Member introduction round
14:30 - 14:40	EPC & Developer Circle – Fabien Leterrier (Circle Chair)
14.40-15.45	Brainstorming workshop I
15.45-16.15	Break
16:15 – 16:25	The Mini-grid Factsheet – Elodie Hanff (ADA)
16:25 – 16:35	Finance Readiness Support & Finance Access Advisory – Marie Strauss (GET.invest)
16:35 – 16:45	The Circularity Guidelines - Julia von Franz (ARE)
16:45 – 18:00	Brainstorming workshop II
18:00 – 18:10	ARE Member family photo
18:10	Reception - Electrify the Night!

Opening

Purpose

Reach solutions together

Objectives

- Identify sectoral challenges
- Share best practices
- Fill in an Action Plan
- Define ARE's supportive role
- Develop a call to action

Set-up

- Circle set-up
- Duration
- Chair rotation

Chatham House Rules:

"Participants are free to use the information received, but neither the identity nor the affiliation of the speaker(s), nor that of any other participant, may be revealed..."

Let's vote on the circle set-up!

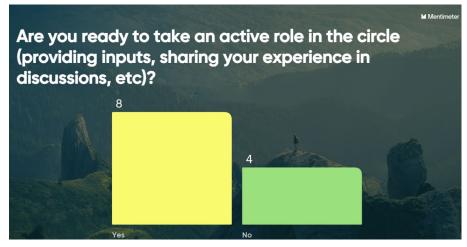


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Current survey - results







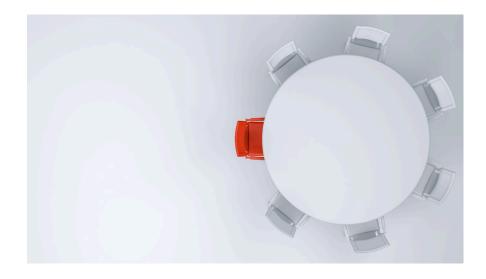
Let's vote on the EPC co-chair



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Member Introduction Round

- 1. Name
- 2. Role
- 3. Organisation
- 4. Sector (EPC/developer)
- 5. Project sizes
- 6. Geographical activity



Nice to meet you...!



Brainstorming cloud



Join at menti.com | use code 4757 7546

Brainstorming – current results





The Mini-grid Factsheet





Marina Abboud

Responsable - Programmes

ADA - Appui au Développement Autonome





Feasibility survey for a « Factsheet for solar mini-grid stakeholders »

A consultancy carried by:



With the support from:





Overview

Rationale:

- Absence of certain strategic data financial, social, environmental - related to the MG sector in the public domain
- More data needed to provide transparency and support decision-making in a sector heavily reliant on concessional financing.

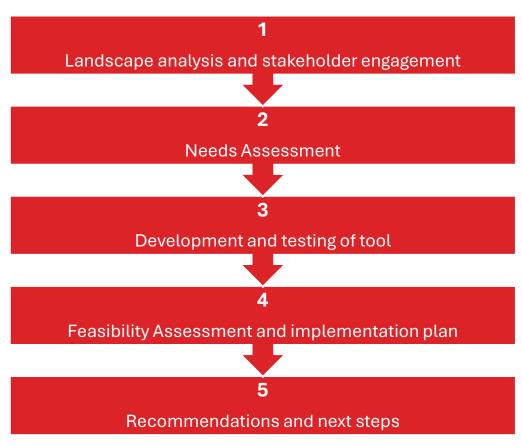
Assumption:

 A publicly available factsheet with detailed project data and KPIs could help to mobilize finance by increasing transparency, analyzing benchmarks, reducing perceived risks, and making it easier for investors to make informed decisions.

General objective of the consultancy:

- Assess the relevance of a factsheet, serving as a user-friendly tool for monitoring and enhancing the financial and social performance of mini-grid projects by utilizing data voluntarily provided by actors in the mini-grid sector.
- Test an initial version of the tool with a sample of operators and financiers, using key indicators to validate assumptions

Implementation plan



From September 2024 to January 2025

Contact:

m.abboud@ada-microfinance.lu e.hanff@ada-microfinance.lu



Finance Readiness Support & Finance Access Advisory







Ms. Marie Strauss

Advisor

GET.invest

GET.INVEST SERVICES

Finance Access Advisory

Advisory support to project developers and companies towards bankability via the GET.invest Finance Catalyst and the GET.invest Finance Readiness Support.

Finance Systems Advisory

Working with domestic financiers to mobilise local currency finance.

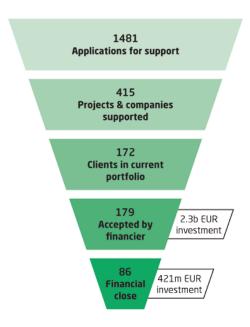
Mobilisation

Events and cooperation with industry associations for outreach and mobilisation.

Market and funding information

Investment-related market information, including the database of financial instrument data.

GET.INVEST PROJECT PIPELINE, 2016 - 01/2024



MARIE STRAUSS Advisor



GET.invest Finance Access Advisory

ARE Industry Dialogues 2024

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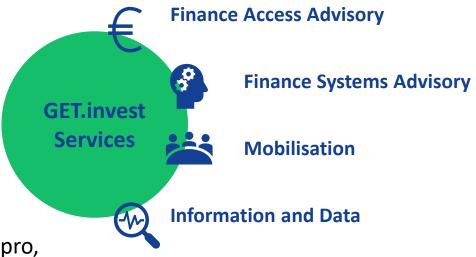


Austrian
Development
Cooperation



GET.invest: Overview

- Leading European programme mobilising investment in renewable energy, building a pipeline of investment-ready projects
- Team Europe One Stop Shop for Green Energy Investments
- Supports all relevant delivery models, incl. on- and off-grid electricity, clean cooking, productive use
- Broad partner network incl. financiers and associations
- Active in Sub-Sahara Africa, the Caribbean & the Pacific
- Implemented by GIZ, hosted on the multi-donor platform GET.pro, and co-funded by the European Union, Germany, Norway, the Netherlands, Sweden, and Austria.

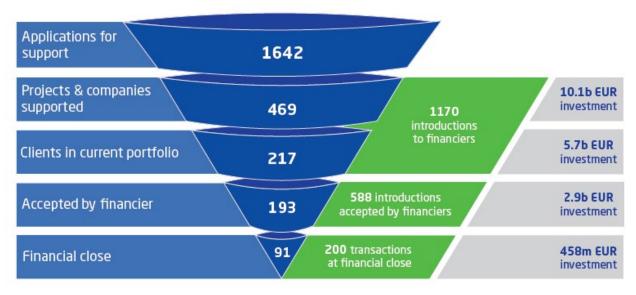




GET.invest Finance Access Advisory

A flexible, on-demand offering to prepare projects and companies for financing, and connect them with suitable financiers

- Simple application process via GET.invest website, open year-round
- 9 specialised advisory teams for 1:1 support
- Tailored to company needs, incl.
 business development support,
 investment strategy, structuring,
 finance access, transaction and post investment support
- Builds pipeline for financiers, accelerates investment



GET.invest and predecessor programme (2016 - 06/2024)

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The investment volumes at 'Accepted by Financier' stage are labelled 'projected', to reflect the uncertainty whether these deals will materialize.

The investment volumes at 'Financial Close stage are labelled 'expected', to reflect the increased likelihood of project implementation.

GET.invest Finance Access Advisory: Our Advisory Facilities



GET.invest Finance Catalyst

- Bespoke, "honest broker" advisory support to later-stage clean energy projects and companies
- A seven-year track record across countries, market segments and ticket sizes
- Covers improving business case, financial structuring, finding the right finance, negotiations
- 30+ expert advisors for 1:1 support

GET.invest Finance Readiness Support

- Customised, long term and deep-dive business development and access to finance advisory to grow and scale locally owned and managed companies
- 50+ expert advisors from eight renowned advisory firms for 1:1 support:















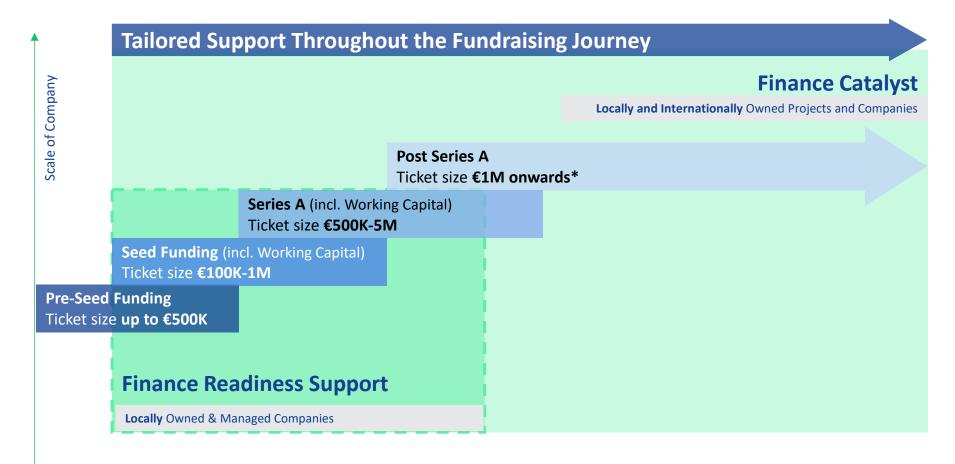




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GET.invest Finance Access Advisory



Finance Needs

GET.invest Finance Access Advisory: Our Service Portfolio



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Business Development Support

Deep dive advisory on Strategy,

Financial,

Operational &

Human Capital

Management, KPI &

Business Metrics,

Digitalisation & Data...

General guidance on the necessary steps of project/business development, investment roadmap...

Investment Strategy Support

e on eps Advisory on essential aspects of business & financial model

Structuring Finance Access Support Support

Identifying
appropriate
financing options,
linkage to financiers,
aligning project
documentation

Transaction Support

Assistance with contractual negotiations, i.e. term sheets, contractual agreements, fulfilment of CP

Post-Investment Support

Support during crises and financial distress, funding disbursement support, debt restructuring, M&A...

Specialised Services

Financial Modelling Services

Investment-grade, tailored financial modelling support

Project Documentation Development

Technical, investment-grade studies

Legal Services

Short- and long-term, professional legal advice to unlock investment

Credit Risk Management

End-to-end support on CRM practices, systems and tools

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Applying for Support

When to apply? Any time! Applications are accepted on

a rolling basis.

Where to apply? On the GET.invest Website at:

www.get-invest.eu/finance-access-

advisory

Who can apply? Project developers and post-revenue

companies working in the clean energy

sector in sub-Saharan Africa, the

Caribbean and the Pacific region are

eligible*. Further details available here.

Go to https://www.get-invest.eu/ GET.invest **Apply** Services Eligibility Finance Catalyst Finance Readiness Support FAQ Our application process Application Feedback Evaluation Start of advisory Submit your application at any Our experts review your Every applicant receives After an advisory agreement Submitting an application Our application portal is open throughout the year, with applications being evaluated in recurring rounds of four weeks. Our current application round closes on Tuesday, 19 March 2024 [23:59 CET]. All applications received after this date will enter the next round If you meet our eligibility criteria, please submit your application for support via our 3. Apply here

17.10.2024

^{*}This does not guarantee acceptance.

Thank You for Your Attention!



MARIE STRAUSS

Advisor, GET.invest Finance Access Advisory

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GET.invest is co-funded by













The Circularity Guidelines







Alliance for Rural







Ms. Julia von Franz Policy & Advocacy Officer Alliance for Rural Electrification





ProBaMet-Circularity-Guidelines.pdf (ruralelec.org)



Integrating circularity practices in the DRE sector

Partnership for Responsible Battery and Metal Recycling (**ProBaMet**)













Batteries in DRE

Addressing the energy access gap

- RE solutions
- Need for batteries
- Risk of exposure to hazardous substances













Project Partners



Oeko-Institut

Overall project coordination



SRADev Nigeria
Coordination of project activities in Nigeria



Alliance for Rural Electrification (ARE): Coordination with renewable energy sector partner



WirtschaftsVereinigung Metalle (WVM)

Coordination with non-ferrous metals industry

Associated partners are crucial...!













Lead exposure from unsound battery recycling



- 1/3 of all children globally have elevated blood lead levels
- Unsound lead-acid battery recycling is a leading source of lead exposure
- Even low-level lead exposure has lifelong consequences including reduced IQ
- Childhood lead exposure is estimated to cost lowerand middle-income countries almost USD \$1 trillion due to lost economic potential of these children













Why does pollution occur in lead-acid battery recycling?



In unregulated markets, low standard industrial smelting is highly profitable!













Recycling situation in Nigeria...







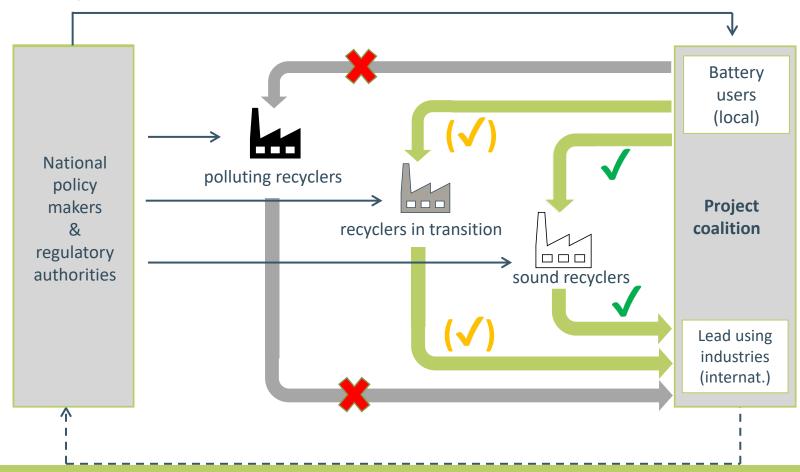








How to change the dynamics: the ProBaMet Approach















1st step: Recycling facility assessments

 Jointly conducted recycling plant assessments in Ogun State in April 2024

 The 6 plants form the bulk of the battery recycling capacity installed in Nigeria















Results





















Market transformation















Market transformation

- Knowledge: Will be brought in by the project
- 2) <u>Push factors:</u> Companies not willing to implement standards must be sanctioned (e.g. revoking operating license & closure)
- 3) Pull factors: Companies that have invested in high standards must see opportunities

crucial success factor













- Shared responsibility
- Guidelines for battery management
 - Quality & durability
 - Warranties, maintenance & repair
 - Take-back
 - Sound end-of-life management
- Call for endorsement of DRE sector

Circularity Guidelines End-of-life battery management

Batteries are used in many applicat such as clean energy mini-grids, solutions inevitably increases to a electrify the more than 675 million batteries. This increasing demand w need to be soundly managed and planet.

Environmentally sound and safe me and would avoid negative impacts recover embedded raw materials recycling industry.

However, in many regions of the dangerous and unsafe conditions, e substances. In many low— and i recycling is a major public health of implications on health and wellbe population group. While end-of-lil comparable scales as lead-cald bad adverse effects on workers and con

manufacturers and recyclers, indee energy solutions which include batt end-of-life management of batteric Alliance for Rural Electrification

Guideline

Quality & durability

- Procure batteries known for their durability and longevity to minimize earl replacements.
- Partner with reliable battery manufacturers with a track record of producing high quality products, and who can demonstrate transparent and sustainable value chains.
- Implement stringent quality control measures and embed certified system design or installation training across low- and middle-income countries to ensure only durab botteries are installed in distributed renewable energy systems.
- Minimise the content of hazardous substances in products as much as possible reducing pollution problems during end-of-life management.

Warranties, maintenance & repair

- Employ repairable and recyclable system designs to reduce waste and replacement needs.
- Negotiate extended warranties with battery suppliers to provide clients with peace of
- Megatiate extended warrantes with battery suppliers to provide clients with peace of mind regarding battery performance.

 Office company to the provided performance and the perf

eries. This may also include modern manitoring solutions, es at an early stage.

If domestic skilled and certified technicians for quality s, maintenance and prompt repair services to minimize.

of domestic skilled and certified technicians for quali s, maintenance and prompt repair services to minimit espan.



seme is in place, decreasing the unit costs for the nies.

d management of all batteries under your direct contro actors (e.g. installation companies, maintenance service railable practices in storage, transport and treatmen ition.

t amounts of end-of-life batteries as brought onto the ver individually or collectively with other players). end-of-life management efforts and keep evidence of empet results.

> E-mail are@ruralelec.org

ProBaMet-Circularity-Guidelines.pdf (ruralelec.org)













Thank you for your attention!

Julia von Franz

Alliance for Rural Electrification

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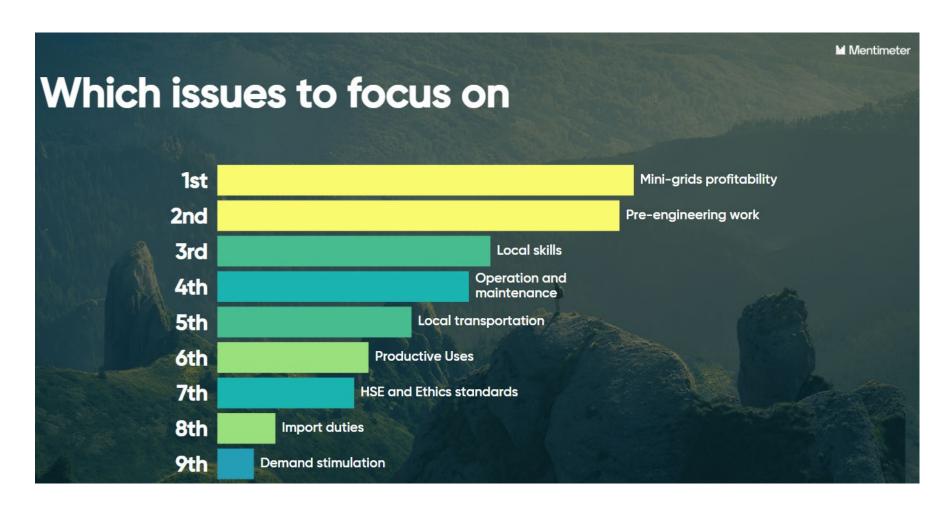


Vote on topics to address



Join at menti.com | use code 4659 4333

Survey – current results





ARE members family photo....

And Electrify the Night!