



Identifying Vulnerabilities Insights from the IMPACT-R project assessing access to basic services of microfinance customers





Dr.-Ing. Natalia Realpe Carrillo

Klaus Töpfer Sustainability Fellow – Institute for Advanced Sustainability Studies
CEO - HEDERA

Part of the webinar series by the Green Inclusive and Climate Smart Finance Action Group (AG-GICSF)





The GICSF- Action Group

The Green Inclusive and Climate Smart Finance Action Group (GICSF-AG) is a **Unique** multi-stakeholder think-tank for environmentally responsible inclusive finance

OBJECTIVES

- Discuss current challenges and strategies in green inclusive finance
- Improve knowledge and action of inclusive finance actors in environmental issues
- Enhance cooperation among green inclusive finance actors
- Increase international attention for green inclusive finance
- Develop dedicated tools, recognized as "standard" by the inclusive finance sector, to support green inclusive finance
- Publicise and disseminate its findings
- Enhance the interest and concrete commitment of all actors (MFIs, investors and others) in green inclusive finance





...since 2013...a long-term commitment!









Members

Launched in Feb. 2013 in Berlin and hosted by the European Microfinance Platform (e-MFP) it has **135+ members** with different level of engagement, affiliated to **75+** institutions and organized into activity sub-group, among which:

ADA, Advision Finance, Agora, Alterfin, Antwerp University- IOB, Babyloan, BBVAMF, BFC, BIO, BNP Paribas, Cerise, Clarmondial, COFIDES, Envest Microfinance, ESAF, European Microfinance Network, KIVA, FDL, GAWA Capital, Global Environment Facility, Grameen Crédit Agricole MF Foundation, HEDERA, IFAD, IFU, ILO, Inpulse, LMDF, MAIN, MFC, MFR, MicroEnergy International, Microfinanza Srl, M-CRIL, myclimate, Sparkassenstiftung, Nitlapan, Palladium Europe, CIDR PAMIGA, SIDI, SOS Faim Belgium, Triple Jump, Univ. Bergamo, Univ. Genève, Univ. Lux, Rabo Foundation, RFR, REDCAMIF, ULB-CERMi, UNCDF, SPTF, World Bank, YAPU Solutions

Coordinated by the GICSF-AG Heads:

- Natalia Realpe Carrillo, HEDERA & IASS Potsdam
- Davide Forcella, YAPU Solutions & CERMi









The GICSF- Action Group Achievements

2013-2019

- Green Index: standards for environmental performance assessment
- Catalogue green energy products
- 7 Events, 2 scientific committees,
- 10+ trainings & 40+ presentations
- Publications & e-learning

2020-21 (selection of)

- Green Index Study:
 - Mapping International Standards vs. GI;
 - analysis of 1000 + env. assessments;
 - Assessment of needs for environmental performance from 250+ stakeholders
- Launching GICSF AG Webinar Series
- Launching the Development of Green Index 3.0
- Launching of Green Inclusive Finance Online library
- Establishment of newsletter and AG Map
- Launching the Development of Universal standards for environmental performance: joint work with SPTF & CERISE





Ongoing activities 2021

- Finalisation of Green Index 3.0
- Finalisation of Universal standards for environmental performance: joint work with SPTF & CERISE
- Training Preparation on Green Index 3.0
- Preparation of the "State of the Art of Green Inclusive Finance"
- Regulation & Green Inclusive Finance, Digital & Green Inclusive Finance, Green Inclusive Finance in Europe (in collaboration with EMN)
- Guidelines for green products development/disbursement, "working with green heroes" FSPs
- Webinars, newsletters, preparation of 2 pagers and discussion papers
- Launching of Green Inclusive Finance Online Library
- Digital tool Green Index 3.0





We are working to increase the sector understanding and action in green inclusive finance

New website!

EUROPEAN
MICROFINANCE
PLATFORM
NETWORKING WITH THE SOUTH

https://e-mfp/gicsf-ag

COVID-19 NEWS BLOG RESOURCES ACTION GROUPS MICROFINANCE WEEK AWARD FI COMPASS OTHER ACTIVITIES

About us Members FAQ Press Contact f 💆 in 🔊 Q

GICSF AG

1 Login

Home / GICSF AG



"Green is the most resilient"

Pedro Marchetti, FDL Nicaragua

ABOUT THE ACTION GROUP

The e-MFP Green Inclusive & Climate Smart Finance Action Group (GICSFAG) is a unique multi-stakeholders think tank that brings together inclusive finance practitioners to discuss, exchange experiences and find common path in dealing with environmental issues, grab green opportunities and create new practical tools to advance green inclusive and climate smart finance.

The GICSF AG disseminates its results among e-MFP members and the inclusive finance sector at large, with the aim of increasing stakeholders' awareness of and commitment to act. It is meant as both an internal knowledge-sharing and external awareness-raising platform that serves as a reference in the inclusive finance sector.



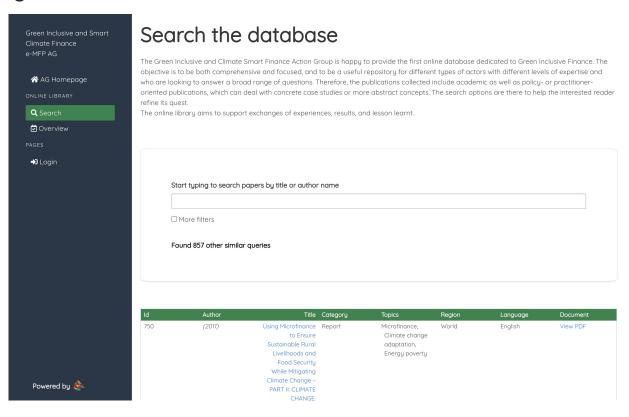




We are working to increase the sector understanding and action in green inclusive finance

 Online library dedicated to green inclusive finance only, publicly available, containing + 500 documents and growing!

https://gicsf-ag.hedera.online







Green Index evolution

2014

Green Index 1.0

- The most accepted tool to assess MFIs' environmental performance
- Publication available online on e-MFP AG webpage
- Green Index available in SPI4 (optional Dim 7)

2016

Green Index 2.0

- Incorporates lessons
 learnt from MFI's use,
 ability, and willingness to
 track environmental
 management
- Quantitative components for green products
- Integrated into SPI4 (only qualitative)

2021

Green Index 3.0

- Inclusion of (climate)
 vulnerability
- lessons learnt from 1000+ assessments & 6 years of use, 300+ stakeholders inputs
- Alignment to international initiatives
- Aligned with Universal Standards Env.
 Performance "Dim 7" developed with SPTF & CERISE, new mandatory dimension of US

contact@e-mfp.eu

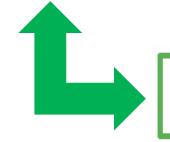




Closing Last Feedback Rounds

GREEN INDEX 3.0





DIM 7 of USSPM







→ Upcoming trainings for FSPs and Investors & data collection starting from October 2021





Webinar Series

- Series of webinars on topics related to green inclusive finance
- Brief presentations by practitioners & academics
- Opportunity for discussion and networking
- Material and video available online

1 webinar every 2 weeks

60 mins

Everyone working on green inclusive finance is invited to present, contact us if you are interested!





Identifying vulnerabilities

Insights from the IMPACT-R project assessing access to basic services of microfinance customers







Background

- Research Project
 - O Hosted by IASS
 - Klaus Töpfer Sustainability Fellowship
 - Technical support of HEDERA









Objectives

Understanding vulnerabilities and measuring standard indicators (bottom-up)

Data-driven products & services

Recommendations for policy makers





Objectives

Understanding vulnerabilities and measuring standard indicators (bottom-up)

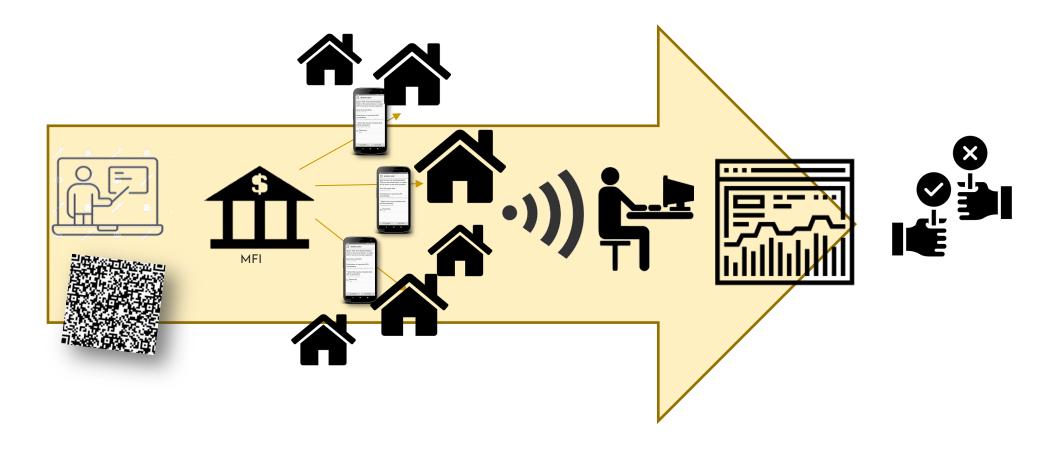
Data-driven products & services

Recommendations for policy makers





Approach







Participants

Haiti: PALMIS

Senegal: FANSOTO

Uganda: Platinum Capital Limited









Rogenette Georges

Eugénie Constancias

Ismaila SENE

Andrew Muhwezi













Participants

Zambia: **VOWAZA**



Ackson Banda



Nepal:



Govinda Raut







Joachim Hauschopp







Frameworks





Electricity supply (households and productive uses) & Cooking solutions





Drinking water, sanitation & hygiene at household level





Food Insecurity
Experience Scale
at household level



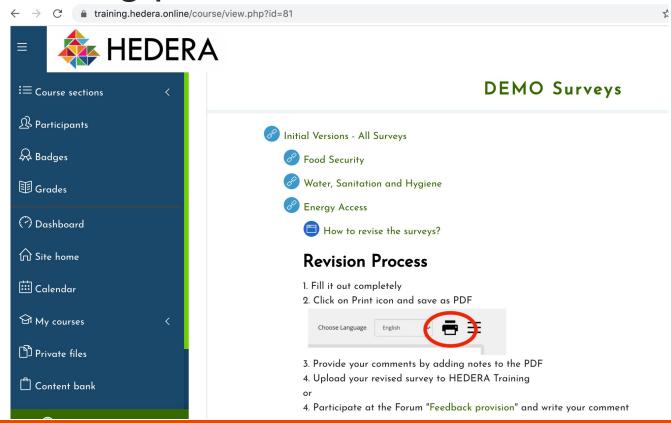


- E-learning platform
- Tutorial app
- Digital communication channels
- Data dashboard
- Digital automated report





E-learning platform







Tutorial app

English Spanish French



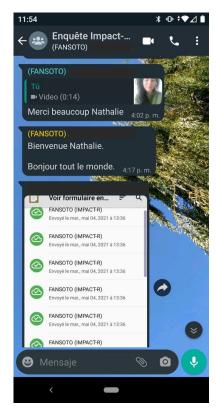








Digital communication channels



WhatsApp – FANSOTO Field Team



Telegram – Technical Support to VOWAZA





Automated report

0

50

100

150

200

solar_lamp

torch_battery

 \leftarrow 20 40 60 80 100 Primary stove Traditional three-stone Rugarc fireplace Bisaaa Improved metal stove that uses solid fuel Simple metal stove that uses solid fuel None Simple clay stove that uses solid fuel

POWERED BY SVF STUDY - APRIL 2021 2 Electricity Supply What is the main source of electricity used in the household? Variable name: electricity_source Type: single choice Total number of answers: 245 (100.0%) Choice code Label Answers none None 111 (45.3%) shs Solar System other Other 0 (0.0%) Please specify the source of electricity: Variable name: electricity source other Type: text conditional selected(electricity_source,'other') What do you mainly use for lighting? Variable name: electricity illumination source Type: multiple choice Total number of answers: 245 (100.0%) Choice code Label Answers None 2 (0.8%) none Kerosene lamp 0 (0.0%) kerosene Candles 24 (9.8%) candles Solar torch / Solar lantern / Solar desktop lamp 21 (8.6%) solar_torch

Solar lamp / Solar area floodlight

contact@e-mfp.eu

IMPACT-R Dashboard

Q Search this book...

IMPACT-R Project Dashboard

Sustainable Villages Foundation

Entrepreneurs du Monde - Palmis

Mikwofinans Sosyal (Haiti)

Muktinath Bikas Bank (Nepal)

HEALTH VULNERABILITY

A Health Vulnerability Index

Entrepreneurs du Monde - FANSOTO

INSTITUTIONS

(Rwanda)

AROUT

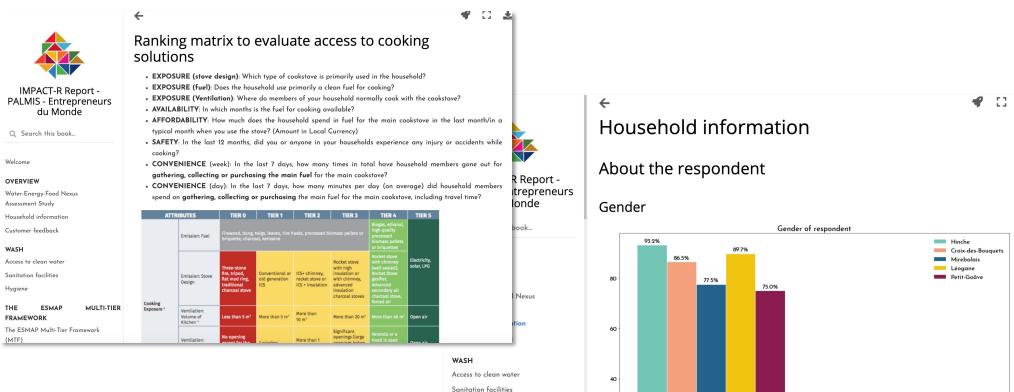
Torch / Battery torch / Rechargeable battery flash-





Methodology & Tools

Dashboard – Theory & Results



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Outreach

As of Sept 2021 - 6 countries

+4000 households interviewed

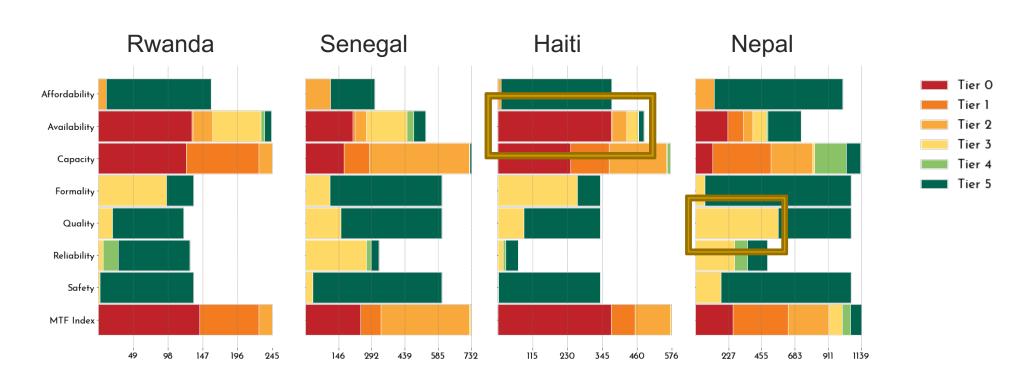
Over 100 enumerators trained

Planned: DRC, Nicaragua & India





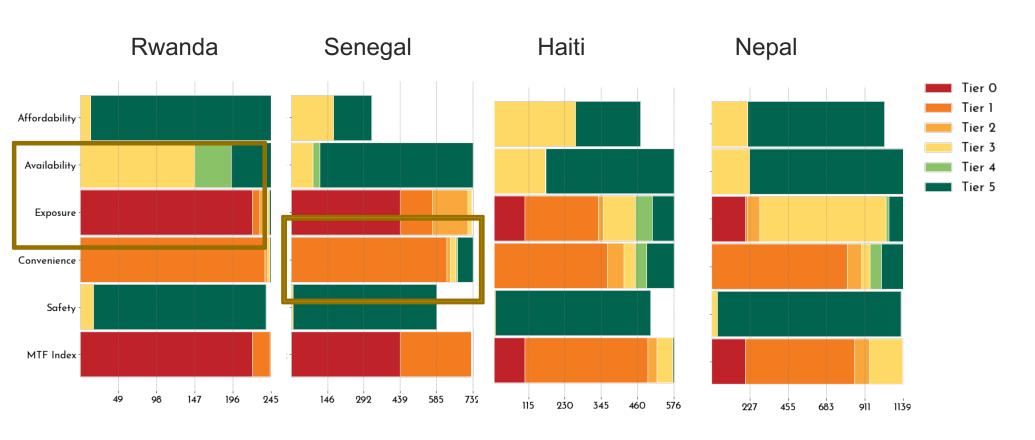
Key Findings: Electricity Supply







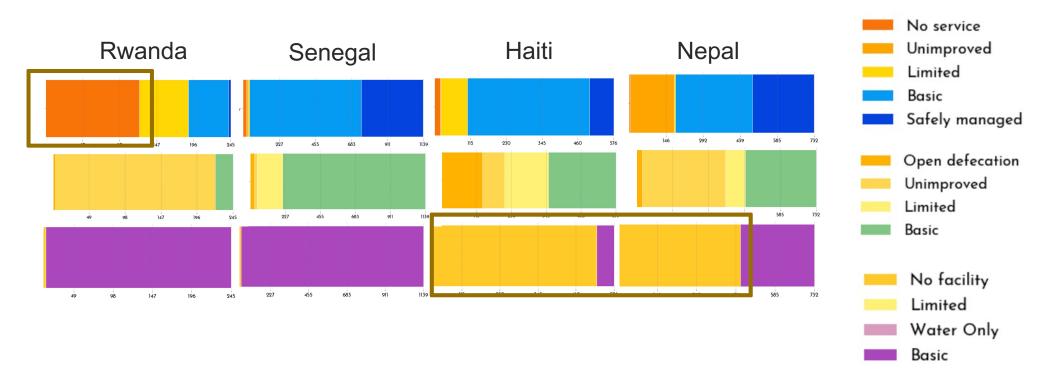
Key Findings: Clean Cooking Solutions







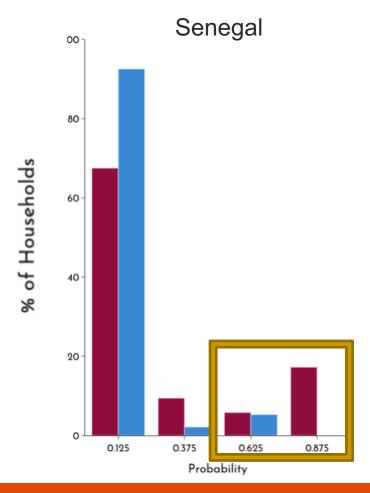
Key Findings: WASH

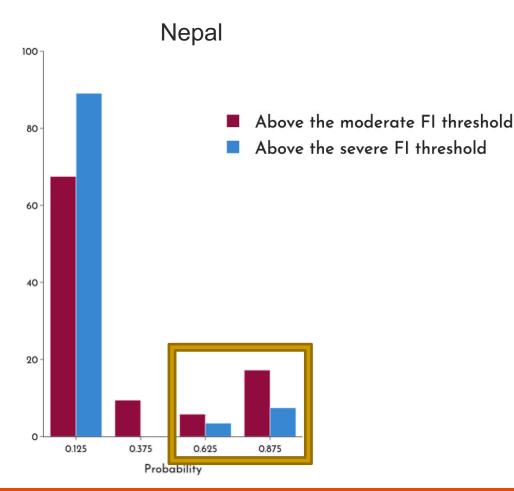






Key Findings: Food Insecurity Scale









Nexus

Cross-topic among frameworks:

O HEALTH – practices may affect health

 CLIMATE VULNERABILITY – lives affected easily by climate





Nexus

Cross-topic among frameworks:

HEALTH – practices may affect health

 CLIMATE VULNERABILITY – lives affected easily by climate





HEALTH VULNERABILITY

- Energy Access & Access to WASH
- Injuries caused from the cooking solution
- Injuries due to the electricity source
- Cooking fuel/stove

- Source of water
- Quality of drinking water
- Quality of drinking water
- Availability of clean water

- Shared/Own facilities
- •Risks when using the toilet
- Emptying of septic tank
- Hygiene practices

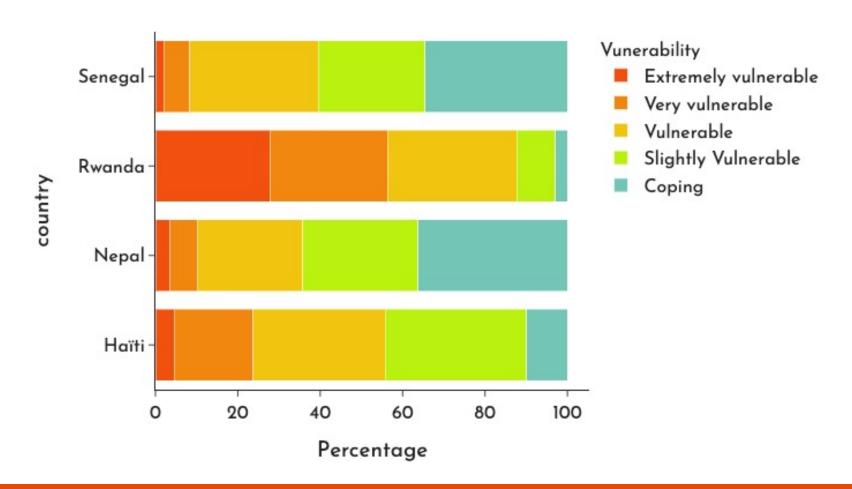
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www.e-mfp.eu





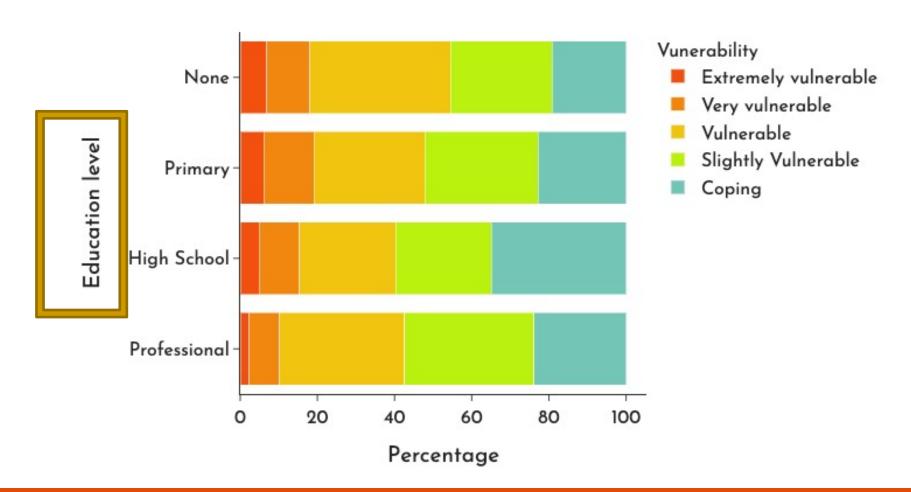
HEALTH VULNERABILITY







HEALTH VULNERABILITY







What's next?

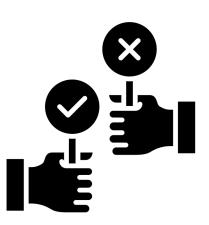


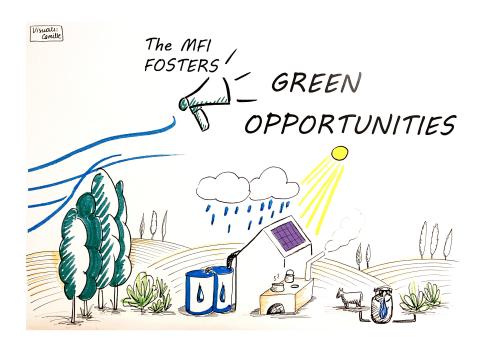


Fostering GREEN INCLUSIVE FINANCE

Data-driven decision-making at MFIs

Vulnerabilities identification











Hinche - Tier 3 Tier 2 Tier 1 Tier 0 Petit-Goâve - Tier 1 Tier 0 Mirebalais - Croix-des-Bouquets - Tier 1 MTF Index - Cooking solutions

BASELINE





Mirebalais –

Léogane –

Petit-Goâve –

Croix-des-Bouquets –

Hinche –

O 20 40 60 80 100





Feedback from the Field

- Reaction of respondants
- Feedback of enumerators
- Perceptions of community needs
- Learneability and usability of digital tools
- Field testimonials (comments, audio, pictures)











Stay Tuned

- Findings from employees and enumerators feedback
- Detailed publication & analysis
- Global dashboard
- Next round of Call for proposals for MFIs & NGOs: December 2021/January 2022
- Research opportunities





Thanks for your attention!

Dr.-Ing. Natalia Realpe Carrillo

Institute for Advanced Sustainability Studies Natalia.realpecarrillo@iass-potsdam.de

HEDERA

natalia@hedera.online https://hedera.online

An event organized by the Green Inclusive and Climate Smart Finance Action Group (AG-GICSF) Do you want to speak at the webinar series? Please contact us:

Heads of the AG-GICSF

Natalia Realpe Carrillo: natalia@hedera.online

Davide Forcella: <u>davide.forcella@yahoo.it</u>

e-MFP contact

Joana Afonso: jafonso@e-mfp.eu





ANNEXES





TIER 3

TIER 5

TIER 4

TIER 2



Cooking Solutions

| Elect | | | | ricity Supply | | Emission: Fuel | | Firewood, dung, twigs, leaves, rice husks, processed biomass pellets or briquette, charcoal, kerosene | | | | Biogas, ethanol, high quality processed biomass pellets | | | |
|---------------------------|--|---|--------------------|---|---|---|--|---|--|--|----------------------------|---|--|--|----------------------------|
| ATTRIBUTES TIER 0 TIER 1 | | TIER 2 | | TIER 4 | TIER 5 | | | | | | | or briquettes | | | |
| Capacity | Power capacity ratings (W or daily Wh) | Less than 3 W | At least 3 W | At least 50 W | At least 200 W | At least 800 W | At least 2 kW | Cooking | Emission: Stove flat mu traditio | | Conventional or | ICS+ chimney, rocket stove or | Rocket stove with high insulation or with chimney, | Rocket stove with chimney (well sealed), Rocket Stove | Electricity, solar, LPG |
| | | Less than 12 Wh | At least 12 Wh | | At least 1 kWh | At least 3.4 kWh | At least 8.2 kWh | | | | ICS + insulation | advanced insulation charcoal stoves | gasifier, Advanced secondary air charcoal stove, forced air | | |
| | Services | | Lighting of | | | | | Exposure * | Ventilation: Volume of Kitchen ^b | Less than 5 m ³ | More than 5 m ³ | More than 10 m ³ | More than 20 m ³ | More than 40 m³ | Open air |
| | | | day | phone charging are possible | | | | Ventilation: Structure | No opening except for the door | 1 window | More than 1 window | Significant openings (large openings below or above height | Veranda or a hood is used to extract the | Open air | |
| Availability ^a | | Less than 4 | At lea | | At least 8 hours | | At least 23 | | Was the standard and | | | | of the door) | smoke | |
| | Availability | hours | | | | hours | hours | | Ventilation Level | More than 7.5 | Bad Less than 7.5 | Less than 6 | Average Less than 4.5 | Goo Less than 3 | Less than 1.5 |
| | Evening Availability | Less than 1 hour | | | At least 3 hours | At least 4 hours | | | Contact Time ^c | hours | hours | hours | hours | hours | hours |
| | Availability | nour | | | | | | | ISO's Voluntary | | Bad | | Average | Goo | |
| | | | | At most 14 disruptions per | | disruptions / | At most 3 disruptions per | Cookstove Efficiency | Performance Targets (TBC) | Less than 10% | More than 10% | More than 20% | More than 30% | More than 40% | More than 50% |
| Reliability | | More than 14 disruptions per week | | | disruptions perweek with total duration of week v | week) or ≤ 3 disruptions / week with > 2 hours of outage | week with total duration of less than 2 hours Convenience | Convenience | Fuel acquisition (through collection or purchase) and preparation time (hours per week) | More than 7 hours Less than 7 hours Less than 3 hours | | | Less than 1.5 hours | Less than 0.5 hour | |
| Quality | | Household experiences voltage problems that damage appliances | | | Voltage problems do not affect the use of desired appliances | | t | Stove preparation time (minutes per meal) | More than 15 minutes Less than 15 minutes Less than 10 minutes | | Less than 10 minutes | Less than 5 minutes | Less than 2 minutes | | |
| Affordability | | | | package of 365 kWh Cost of a standard consumption p year is less than 5% of household | | | | Safety of Primary Cookstove | | Serious accidents over the past 12 months | | | No serious accidents over the past year | | |
| Formality | | No bill payments | s made for the use | le for the use of electricity | | | Bill is paid to the utility, prepaid card seller, or authorized | | | Levelized cost of cooking solution (fuel) more than 5% of household income | | | Levelized cost of cooking solution (fuel) less than 5% of household income | | |
| Health and Safety | | Serious or fatal accidents due to electricity connection | | representative Absence of past a | Fuel Availability | | | Primary fuel available less than 80% of the year | | | | Primary fuel is readily available 80% of the year. | Primary fuel is readily available throughout the year | | |





Drinking Water

| UNICEF JMP | | JM | ΙP |
|------------|--|----|----|
|------------|--|----|----|

Sanitation

| SAFELY MANAGED |
|---|
| Use of improved facilities which are not shared with other households and where excreta are safely disposed in situ or transported and treated off-site |
| BASIC |
| Use of improved facilities which are not shared with other households |
| LIMITED |
| Use of improved facilities shared between two or more households |
| UNIMPROVED |
| Use of pit latrines without a slab or platform, hanging latrines or bucket latrines |
| OPEN DEFECATION |
| Disposal of human faeces in fields, forests, bushes, open bodies of |

| Service level | Definition |
|----------------|---|
| Safely managed | Drinking water from an improved water source which is located on premises, available when needed and free of faecal and priority chemical contamination |
| Basic | Drinking water from an improved source provided collection time is not more than 30 minutes for a roundtrip including queuing |
| Limited | Drinking water from an improved source where collection time exceeds over 30 minutes for a roundtrip to collect water, including queuing |
| Unimproved | Drinking water from an unprotected dug well or unprotected spring |
| No service | Drinking water collected directly from a river, dam, lake, pond, stream, canal or irrigation channel |

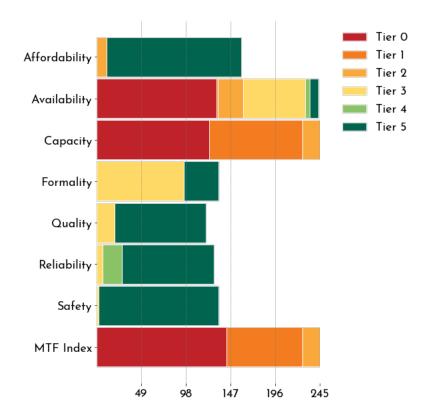
| Hygiene | BASIC Availability of a handwashing facility on premises with soap and | water |
|---------|--|-------|
| | LIMITED Availability of a handwashing facility on premises without soap a water | nd |
| | NO FACILITY No handwashing facility on premises | |



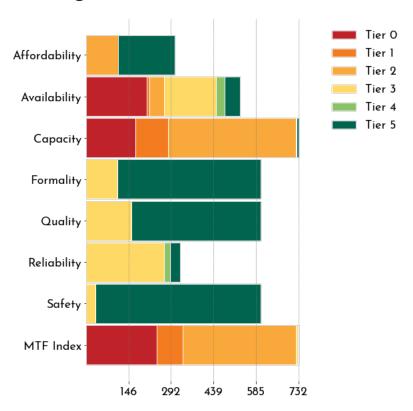


Electricity Supply

Rwanda



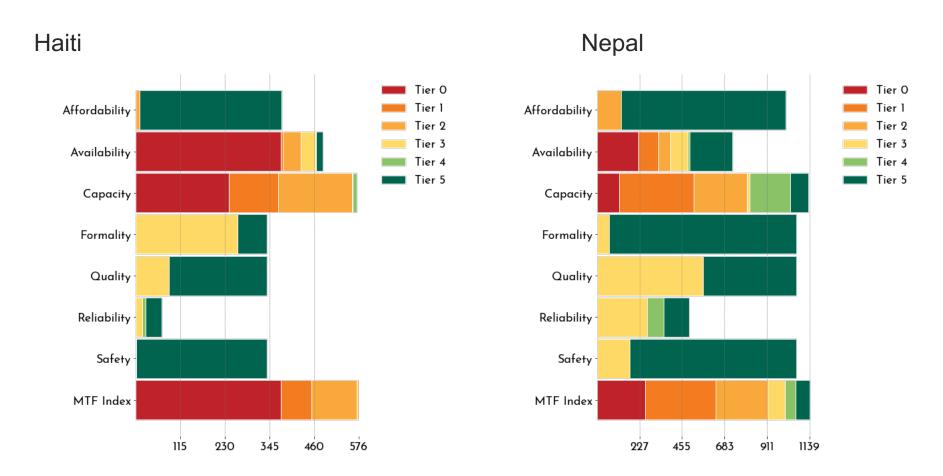
Senegal





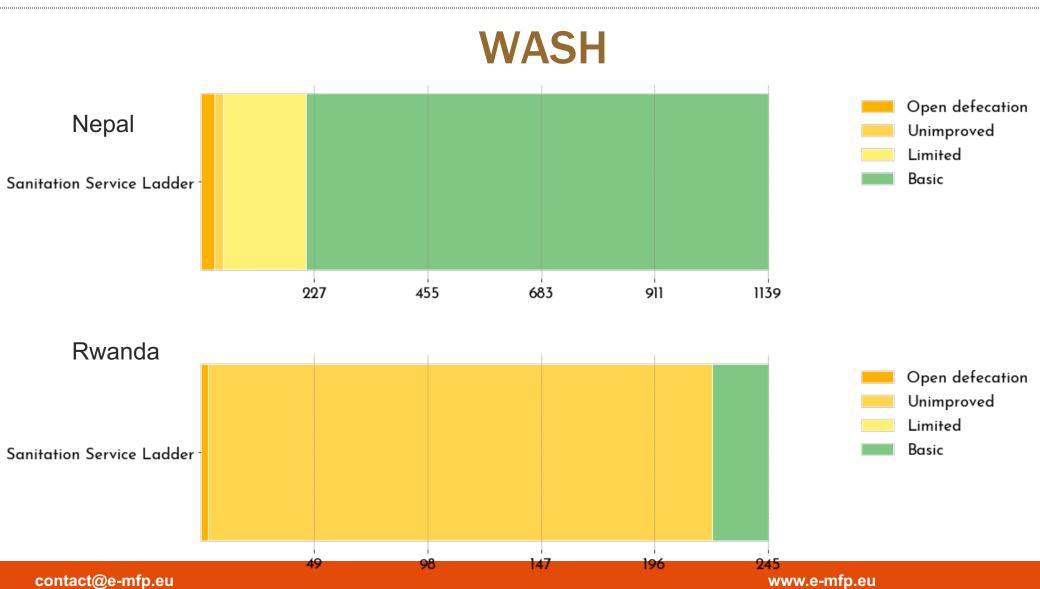


Electricity Supply













FOOD SECURITY

