



CLIMATE RISK MANAGEMENT at Fundación Genesis Empresarial (Guatemala)





Ricardo Romero, Fundación Genesis Empresarial Christoph Jungfleisch, YAPU Solutions

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





The GICSF- Action Group

Unique multi-stakeholder think-tank for environmentally responsible inclusive finance

- Launched in Feb. 2013 in Berlin, hosted by the European Microfinance Platform (e-MFP), 90+ members with different levels of engagement representing 60+ institutions
- Coordinated by: Natalia Realpe Carrillo, HEDERA & Institute of Advanced Sustainability Studies (IASS); and Davide Forcella, YAPU Solutions & CERMi

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...) in green inclusive finance





The GICSF- Action Group Achievements

2013-2019

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

2020 (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
- Development of Online library
- Establishment of newsletter and AG Map
- Launching the Development of Universal standards for environmental performance: joint work with SPTF & CERISE





Impact & Traction (As of 30 April 2021)

Action Group members	Jan 2020 60	Jan 2021 90	+ 50 % increase	New requests to join the AG 66 (in Jan 2021)				
GICSF AG Newsletter		External subscribers +250						
EMW 2020 Participants to the GICSF AG sessions (18-20 Nov 2020)	GICSF AG meeting 65	DIM7 US - Green Index 3.0 67	Green Index Training 36	Investing in Green Inclusive Finance 55				
Green Index 3.0 / Dim 7 US	+ 20 meetings with SPTF - CERISE	13 Apr Training 40	Reviewers engaged + 50					
Webinars Participants	3 Dec - UNIGE 37	17 Dec - FGCA 84	4 Feb - Palladium 55	18 Feb - IOB 44				
	4 Mar - Agrobanco 70	18 Mar - REDCAMIF 84	8 Apr - PENDA Capital 53	22 Apr - UNCDF 78				





Impact & Traction



3 joint workshops with FinDev Gateway in Jan 2021:

"Evaluation and Support for Improving Inclusive Green Finance for MFIs - The Green Index"



	Attended	Registered
SPANISH	110	242
ENGLISH	213	445
FRENCH	80	165
Total	403	852





Ongoing activities 2021

- Finalisation and delivery 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
- Finalization and delivery of Online Library
- Digital tool Green Index 3.0





Coming soon

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

- New website! (expected: June 2021)
- Online library dedicated to green inclusive finance only, publicly available, containing + 500 documents and growing! (expected: June 2021)





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, stakeholders inputs
- Alignment to international initiatives
- Aligned with Universal Standards Env. Performance "Dim 7" developed with SPTF & CERISE, new mandatory dimension of US





Preparing 2nd Feedback Round

GREEN INDEX 3.0





DIM 7 of USSPM











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

Opt 1: 45 mins - Opt 2: 15 mins

Everyone active in green inclusive finance is invited to speak - please contact us!

Next Webinar





We speak to the sector

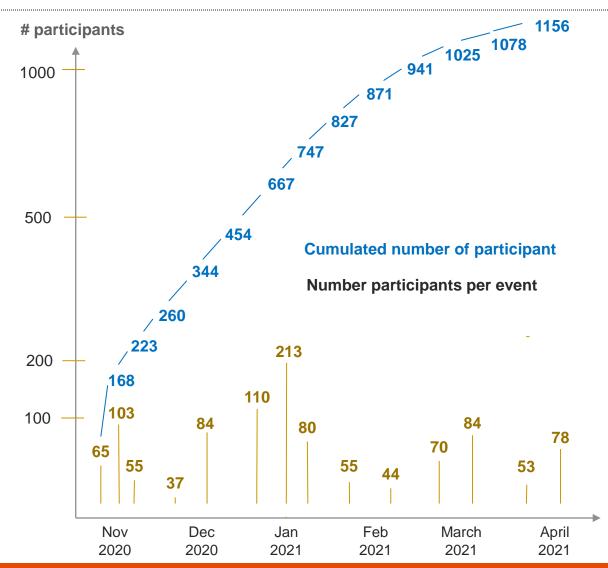
(as of 30 April 2021)

In 6 months

14 Events organised on green inclusive finance

1156 participants

192 participants per month



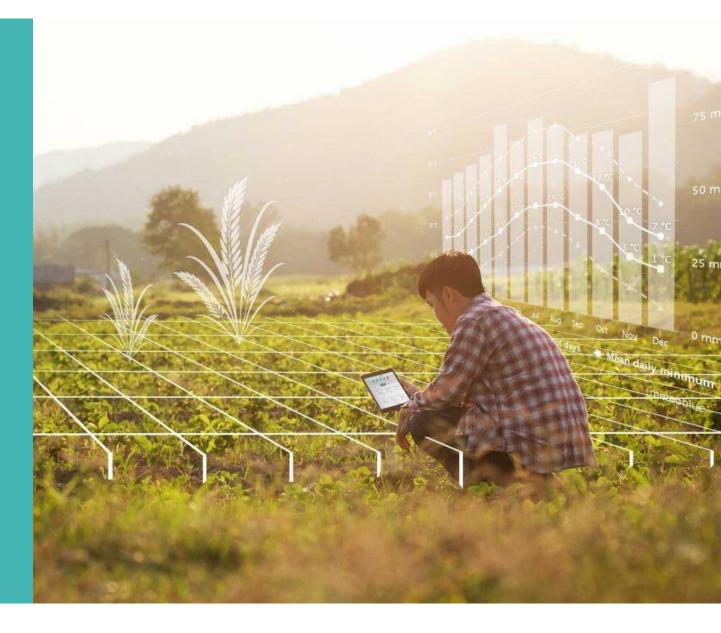




WEBINAR TITLE



EMFP Climate Risk Mgt. @ Fundación Genesis Empresarial



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CONTEXT

WHO IS FUNDACIÓN GENESIS EMPRESARIAL?

GÉNESIS EMPRESARIAL, Guatemalan Development Foundation. non profit, 33 years microfinance experience. Encourages and the supports of entrepreneurial promotion micro and enterprises; is working in rural and peri-urban areas, vulnerable communities, with productive loans, housing improvement and educational programs.





















MISION

Provide agile and timely financial and non-financial services, accompanied by advisory and training, to microenterprise, small business and communities, to achieve sustained development in a massive way, accelerating the progress of Guatemala.

VISION

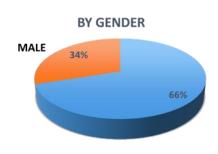
Integrity, Loyalty, Equity, Conviction, Honesty,

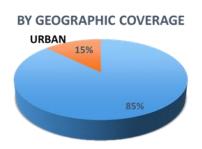
To promote development through financial and non-financial services with support, in an efficiently and effectively wav all to communities in Guatemala.

VALUES

22 Departments (100%) 109 Branches 4,396 Non-bank Correspondent 12,000 Service Points

Total Collaborators: 1,816 **Development Promoters 910 Training Advisors 97** Collection Agents 52





Excellence and Solidarity.

JUNE 2021

(NIIF) **ACTIVE CLIENTS** 139,934 **ACTIVE PORTFOLIO USD\$214MM** (TCQ7.75)

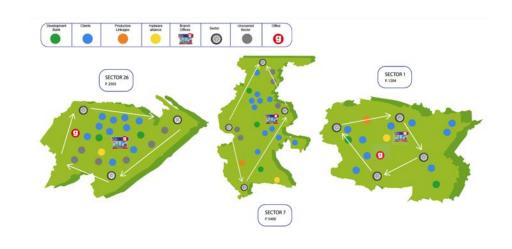
WHY FUNDACIÓN GENESIS EMPRESARIAL WORK WITH YAPU SOLUTIONS?



The Foundation promotes economic and social development, with financial inclusion in agricultural and livestock sector with productive credits designed for the segment, the appropriate term for loans are evaluated as well as the best conditions that adapt to the production cycle.

With financial and technical education, the Program of Productive Chain is implemented with Specialized Technical Promoters to guide the clients and boost their production opportunities, quality and commercialization.

Alliances with agricultural sectors are integrated with benefits for producers on small and medium scale to help them in the growth and development that allows them reach greater business opportunities generating better living conditions to the families



External

- Better practices in SPTF (Social Performance Task Finance Audit)
- SPI 4 Client Protection Self-Assessment Tool for Financial Service Providers Treating

YAPU IS BASED ON GLOBAL EXPERTISE

YAPU Solutions' team has global expertise in green and smart data finance in reference projects. From institutional and network level implementation to programmatic design – we are your partner!





INTEGRATED CLIMATE RISK MANAGEMENT SYSTEM













SUCCESS CASES ACROSS COUNTRIES AND CONTIENTS ON EBA FINANCE

www.unepmeba.org







www.ecomicroecuador.org.ec







REGIONAL PROGRAM DESIGN AND **DEVELOPMENT FOR GCF**









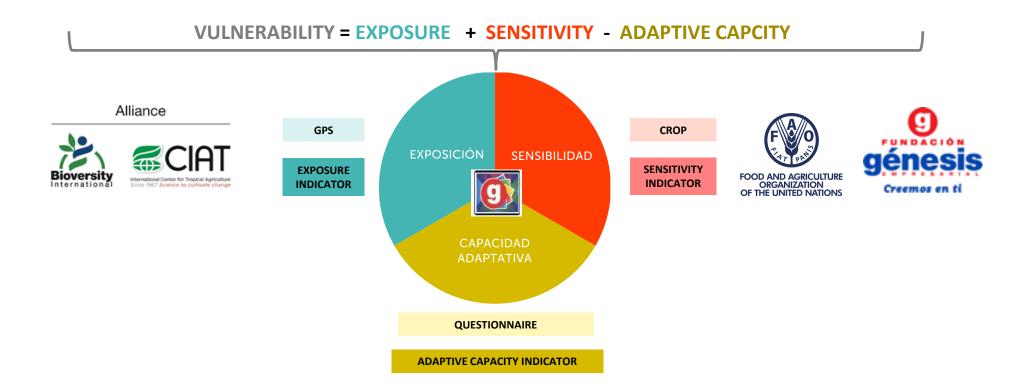


"LIGHT TOUCH APPROACH TO BIODIVERSITY AND ADAPTATION FINANCE

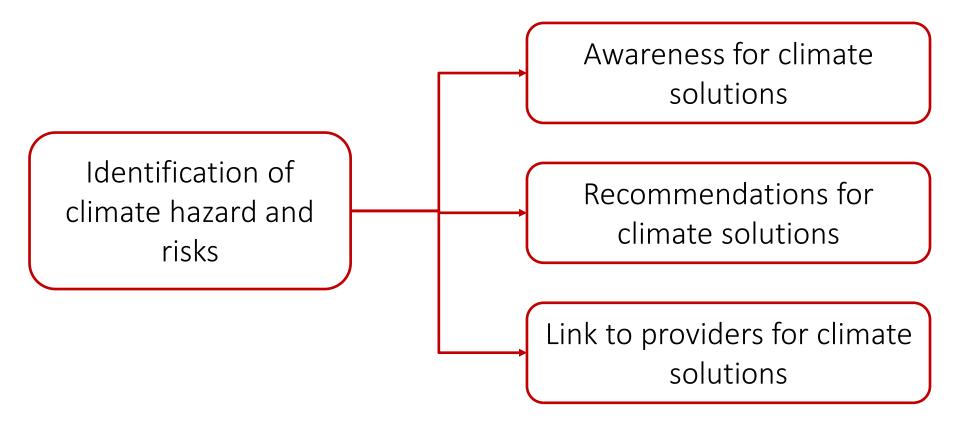
www.unepmeba.org/biodiversity-platform/

PROJECT

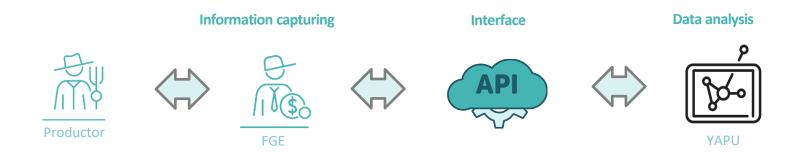
OBJECTIVE 1: VULNERABILITY

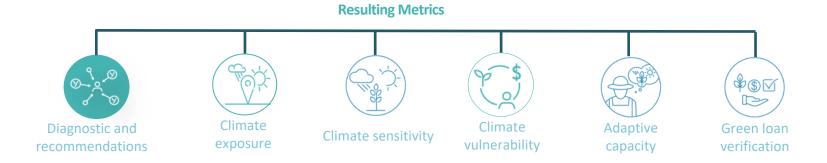


OBJETIVE 2: NBS RECOMMENDATION SYSTEM



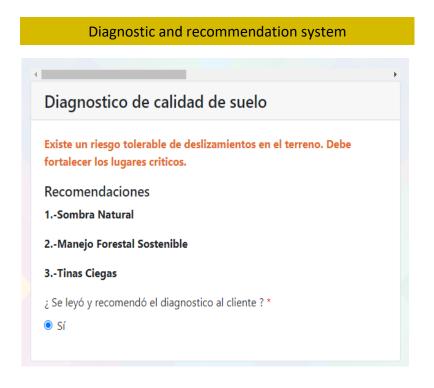
Flujo de informacion



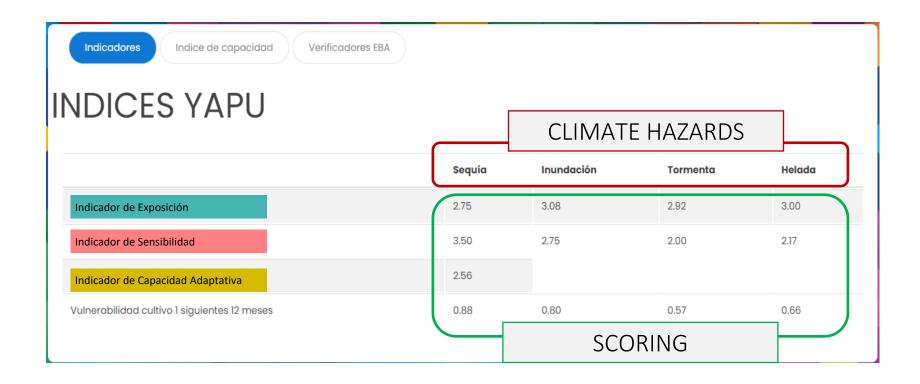


INFORMATION CAPTURING IN GFORMS





CREDIT COMMITTEE REPORT: RISK



CREDIT COMMITTEE REPORT: AWARENESS



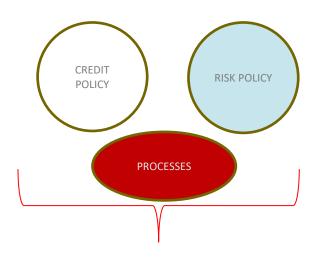
CREDIT COMMITTEE REPORT: RECOMMENDATION

	RECCOMENDATION SYSTEM FOR CLIMATE CHANGE CPOUNTER MEASURES (EBA, NBS)						
Dimension	Recomendacion1	Recomendacion2	Recomendacion3				
MANEJO DE NUTRIENTES 2021-02-23 17:04:19	Abonos Organicos Areación de abono orgánico Lombricomposta	Adicionamiento de suelos Control de humedad de abono orgánico Bioles	Cultivos de cobertura Rotación de cultivos				
GESTION DEL GANADO 2021-02-23 17:04:19	Sistema Silvoagrícola Abonos orgánicos Manejo interado de plagas	Sistema silvopastoril Agricultura ecologica Sistema Agrosilvopastoril	Sistema Agrosilvopastoril Manejo de nutrientes Sistema Silvo pastoril				
GESTION DE ECOSISTEMA 2021-02-23 17:04:19	Sistema Silvoagrícola Banco de semillas Manejo forestal sostenible Menejo de nutrientes	Vivero mixto Huerto familiares Agrícultura ecológica Abonos orgánicos	Reservorio para agua Diversificación de cultivos Composta				

CREDIT COMMITTEE REPORT: VERIFICATION

Indicadores Indice de capacidad VERIFIED GREEN LOANS Verificadores EBA	QUALITATIVE & QUANTITATIVE ASSESSMENT			
Descripción	Calificación	Estimación		
Puntaje total sobre abonos orgánicos	4	ALTA		
Puntaje total sobre agricultura de conservación	0	MUY BAJA		
Puntaje total sobre agricultura ecológica	0.6	MUY BAJA		
Puntaje total sobre agricultura orgánica	3.8	ALTA		
Puntaje total sobre apicultura	4	ALTA		
Puntaje total sobre diversificación de cultivos	3.75	ALTA		
Puntaje total sobre huertos familiares	3.8	ALTA		
Puntaje total sobre Invernadero	4.4	MUY ALTA		

POLICIES AND PROCEDURES



- Clear institutional framework
- Climate risk considerations
- Operationalization
- Monirtoring, reporting, verification

RISK SEGMENTATION

NIVEL DE RIESGO		Sensibilidad						
		Muy alta	Alta	Media	Ваја	Muy baja		
	Muy alta	Е	D	D	С	В		
Exposición	Alta	D	D	С	В	В		
	Mediana	D	С	В	В	В		
	Ваја	С	В	В	В	А		
	Muy baja	В	В	В	Α	А		

FOLLOW-UP ACTIONS

Calificación	Actividad					
	Asignación de visita de seguimiento a la inversión, en la visita se confirma:					
	1. Materialización de la amenaza					
E	2. Estado del cultivo					
	Capacidad adaptativa: medidas implementadas y planificadas					
	Llamada Call Center con formulario especifico, en el cual se confirma:					
	1. Confirmación de la amenaza					
	2. Estado del cultivo					
D	Asignar visita del promotor si el cliente lo requiere.					
	Asignación de visita de seguimiento a la inversión, con valor en riesgo > Q25,000.00. En la					
	visita se confirma: 1. Materialización de la amenaza					
	2. Estado del cultivo					
	Capacidad adaptativa: medidas implementadas y planificadas					
	Llamada Call Center a todo cliente con formulario especifico, en el cual se confirma:					
С	Confirmación de la amenaza					
-	2. Estado del cultivo					
В	Ninguna					
Α	Ninguna Copyright 2021					

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PORTFOLIO REPORT: CONTINGENCY

CAPITAL RISK QUALIFICATION	MENT id - GESTION - Liamada Liamada Ulamada Visita Visita Liamada
5675_16226 DISTRITO SI 3 REGION III - 56 TEJUTLA 5,65E+09 450544040 MARIO EUL/ GRUPO SOL 6000 490,91 A 0 Días 5184 0,288 A C B A	Llamada Llamada 0 Visita Visita
	Ulamada 0 Visita Visita
	0 Visita Visita
	Visita Visita
7187_16227 DISTRITO N 13 REGION XIII 26 GUASTATOY 2,61E+09 3,345E+10 BELIBALDO VIVIENDA 30000 3055,04 A 0 Días 0 0 0 0	Visita
7187_16237 DISTRITO S\ 9 REGION IX - 5 CHIMALTEN 510132110 450676847 PIO CUMAR VIVIENDA 20000 1575,58 A 0 Días 56,06 0,2803 B D C B	
6646_16237 DISTRITO S\ 12 REGION XII 55 CAMOJA, LA 5,55E+09 3,345E+10 EUDALY CEL BANCOS 6000 0,05 A 0 Días 328,8 0,6576 B D B B	Hamada
6646_16237 DISTRITO S\ 9 REGION IX - 101 SAN PEDRO 510163345 3,345E+10 MARTA ALIC MICRO 3000 4,3 A 0 Días 267,8 0,1339 A B B B	
5675_16236 DISTRITO S\ 15 REGION XV 47 NEBAJ 4,71E+09 3,345E+10 PEDRO LOPE MICRO 2500 9,36 A 0 Días 5347,54 0,2398 A B B A	Llamada
5675_16236 DISTRITO S(9 REGION IX - 5 CHIMALTEN 510163934 3,345E+10 CEFERINO S VIVIENDA 20000 1148,74 C 31-60 3370,25 0,1037 A B B B	Llamada
6353_16237 DISTRITO N 6 REGION VI - 13 CHIQUIMUL 1,31E+09 450618233 MARIO AUG VIVIENDA 15000 7135,08 D 61-90 3568,32 0,6048 B C D A	Visita
7187_16237 DISTRITO S(9 REGION IX - 5 CHIMALTEN, 550175161 3,345E+10 FLORENTIN(GRUPO SOL 3000 4,03 A 0 Días 186,75 0,3735 B 0 D A	Visita
5675_16236 DISTRITO SI 9 REGION IX - 5 CHIMALTEN 550175156 450679678 FRANCISCO GRUPO SOL 4000 5,34 A 0 Días 8640 0,48 B D B	Visita
7187_16235 DISTRITO SI 9 REGION IX - 5 CHIMALTEN 510176259 50183037 JULIANA SE MICRO 4500 30 A 0 Días 5760 0,192 B B B A	Llamada
7187_16237 DISTRITO SI 9 REGION IX - 5 CHIMALTEN 510181364 450673753 JOSE CRUZ VIVIENDA 50000 24273,65 A 0 Días 47272 0,4976 B D C B	Visita
7187_16247 DISTRITO SI 9 REGION IX- 101 SAN PEDRO 510186559 3,345E+10 DAMARIS E MICRO 3000 3,47 A 0 Días 29,62 0,1481 B B B A	Llamada
6646_16247 DISTRITO N 13 REGION XIII 113 SAN AGUST 2,61E+09 3,345E+10 EMILIANO C/VIVIENDA 30000 11486,71 A 0 Dias 197,3 0,3946 B C C A	Llamada
6646_16247 DISTRITO SI 4 REGION IV 42 COATEPEQU 4,25E+09 3,345E+10 RMA FRAN (GRUPO SOLI 4000 8,41 A 0 Días 1174,4 0,5872 B D B	Visita
5675_16246 DISTRITO S\ 4 REGION IV- 42 COATEPEQU 4,25E+09 3,345E+10 BLANCA LUZ GRUPO SOLI 3000 6,35 A 0 Días 7129,31 0,3197 B B C A	Llamada
5675 16246 DISTRITO SI 4 REGION IV 42 COATEPEOLI 4 255409 450621864 GERSON AD GRUPO SOLI 4000 209 46 A D Días 7533 5 0.2318 A B B B	Hamada
6353_16247 DISTRITO S(12 REGION XII 48 HUEHUETEN 4,81E+09 450625559 REMIGIO M OPERACION 27068,27 16308,72 A 0 Días 3568,32 0,6048 A C D A	Visita
7187_16247 DISTRITO N 6 REGION VI - 22 ESQUIPULAS 2,21E+09 3,345E+10 ANA SILVER VIVIENDA 35000 9739,65 A 0 Días 234,9 0,4698 A 0 D A	Visita
5675_16246_DISTRITO S\ 9 REGION IX - 5 CHIMALTEN 510216174 3,345E+10 BENIGNO M VIVIENDA 60000 23689,08 A 0 Días 5184 0,288 A C B A	Llamada
7187_16245 DISTRITO S\ 5 REGION V - 21 CUILAPA 2,11E+09 450485882 HILMA QUIN VIVIENDA 12000 2045,38 A 0 Días 8640 0,288 B C B B	Llamada
7187 16247 DISTRITO N 6 REGION VI 22 ESQUIPULAS 2,21E+09 3,345E+10 LUIS ARNOL OPERACION 19070 3257,5 A 0 Días 0 0 0	0
7187_16147 DISTRITO N 11 REGION XI - 28 CARCHA 2,81E+09 3,345E+10 CARLOS ENF OPERACION 17922,84 7292,42 A 0 Días 67,52 0,3376 B D C B	Visita
6646 16147 DISTRITO SI 3 REGION III 56 TEJUTLA 5,61E+09 450263349 RUBEN ROD OPERACION 18072,17 1473,71 A 0 Días 328,8 0,6576 B D C B	Visita
6646_16147_DISTRITO N	Llamada
5675_16146 DISTRITO SI 9 REGION IX 5 CHIMALTEN 510224227 3,345E+10 MARIA ROSI VIVIENDA 50000 23690,39 A 0 Días 0 0 0	0
5675 16146 DISTRITO SI 12 REGION XII 48 HUEHUETEN 4,81E+09 450672771 ANTOLIN SA VIVIENDA 29000 10633,75 A 0 Días 12558 0,3864 B D C B	Visita
6353 16147 DISTRITO S\ 4 REGION IV- 9 RETALHULE 910226409 90264162 EXELINA NO VIVIENDA 30000 5036,99 A 0 Días 3568,32 0,6048 B D D B	Visita
7187 16147 DISTRITO N 13 REGION XIII 20 SANARATE 2,01E+09 450438930 MARIA EVEF MICRO 20000 617,36 A 0 Días 117,45 0,2349 B 0 B B	Llamada
5675 16146 DISTRITO SI 4 REGION IV- 83 TIQUISATE 8,31E+09 3,345E+10 SAYDI RAQU VIVIENDA 60000 28397,37 A 0 Días 6912 0,384 B D B B	Visita
7187 16195 DISTRITO N 6 REGION VI - 22 ESQUIPULAS 2,21E+09 450252987 MARIA LUCI VIVIENDA 10000 643,63 A D Días 5760 0,192 B B B A	Llamada
7187 16197 DISTRITO N 7 REGION VII 53 RIO DULCE 5,35E+09 3,345E+10 ALFREDO IC GRUPO SOLI 3000 1500 A D Días 47272 0,4976 B D C B	Visita

PORTFOLIO REPORT: RISK

RESUMEN POR DISTRITO Y REGION

			SEQUIA		INUNDACION		TORMENTA		HELADA	
DISTRITO ▼	REGION ▼	CARTERA 🔻	Sensibilida 🔻	Exposición 🔻	Sensibilidad 🔻	Exposición 🔻	Sensibilid 🔻	Exposició:	Sensibilida 🔻	Exposició 🔻
DISTRITO CENTRO	REGION II - CENTRO II	Q18.023	3,00	1,00	3,00	3,00	4,00	3,00	1,00	1,00
TOTAL DISTRITO CENTRO Q18.023		Q18.023	3,00	1,00	3,00	3,00	4,00	3,00	1,00	1,00
DISTRITO NOR ORIENTE	REGION VI - ORIENTE	Q33.749	2,45	1,00	2,78	2,56	2,67	3,56	1,51	1,00
DISTRITO NOR ORIENTE	REGION VII - IZABAL	Q1.500	4,00	1,00	5,00	4,00	4,00	3,00	4,00	1,00
DISTRITO NOR ORIENTE	REGION X - PETEN SUR	Q3.201	3,00	1,00	2,00	4,00	2,00	3,00	1,00	1,00
DISTRITO NOR ORIENTE	REGION XI - VERAPACES	Q36.097	2,75	1,00	3,25	3,75	3,50	3,50	2,00	1,00
DISTRITO NOR ORIENTE	REGION XIII - SUR ORIENTE II	Q53.312	2,51	1,00	2,51	3,33	2,68	3,50	1,30	1,00
TOTAL DISTRITO	O NOR ORIENTE	Q127.859	2,94	1,00	3,11	3,53	2,97	3,31	1,96	1,00
DISTRITO SUR OCCIDENTE	REGION III - OCCIDENTE I	Q1.965	3,00	1,00	4,00	4,00	3,50	3,00	2,50	1,00
DISTRITO SUR OCCIDENTE	REGION IV - SUR	Q33.659	3,40	1,00	3,80	3,60	3,00	3,40	2,80	1,00
DISTRITO SUR OCCIDENTE	REGION IX - OCCIDENTE II	Q121.711	2,59	1,00	2,89	3,54	2,59	3,08	2,37	1,00
DISTRITO SUR OCCIDENTE	REGION V - SUR ORIENTE I	Q14.358	3,33	1,00	4,33	4,00	3,33	3,00	4,00	1,00
DISTRITO SUR OCCIDENTE	REGION XII - HUEHUETENANGO	Q26.943	3,33	1,00	4,33	3,67	3,67	3,67	3,00	1,00
DISTRITO SUR OCCIDENTE	REGION XV - QUICHE	Q2.910	2,50	1,00	3,00	3,00	3,50	3,00	1,00	1,00
TOTAL DISTRITO SUR OCCIDENTE Q201.544		Q201.544	3,03	1,00	3,73	3,63	3,26	3,19	2,61	1,00
TOTAL		Q347.426	2,99	1,00	3,41	3,54	3,20	3,22	2,21	1,00

Los valores presentados en este reporte se alimentan según las calificaciones ajustadas presentadas en la política de riesgo.

ON- AND OFF-THE JOB TRAINING

VIRTUAL WORKSHOPS

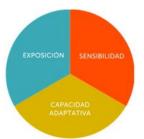
RIESGO CLIMATICO – COMO DEFINIR?

La vulnerabilidad climática (el riesgo climático) se puede – como hipótesis de trabajo – resumir de la siguiente manera:

VULNERABILIDAD = EXPOSICIÓN + SENSIBILIDAD - CAPACIDAD ADAPTATIVA.



La realidad depende de la ubicación y no se puede cambiar.



SENSIBILIDAD

La realidad depende de la actividad y puede ser cambiada, cambiando la actividad.



La realidad depende de las prácticas y puede ser cambiada mejorando prácticas con el uso de soluciones climáticas.

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ON-THE JOB TRAINING



CREDIT COMMITTEE



SUMMARY

CURRENT STATUS OF INTRODUCTION

- Thanks to the support of IDB-Invest, YAPU Solutions system is already developed and ready to be used (9 months of development)
- 100% of the promoters are trained and all the branches are ready to generate portfolio reports.
- Local and YAPU support teams at the ready.
- A final configuration of reports is missing, which allows the generation of information.

CALL TO ACTION!

JOIN Scale For Resilience



Until 2030

- 100+ microfinance institutions and multiplier and providers
- 20+ investors
- 3+ millon of smallholders
- USD 5+ billion in adaptation finance







Thanks for your attention!

Name of the speaker, Name of the institution,

E mail speaker

Institution website

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: davide.forcella@yahoo.it

e-MFP contact

Joana Afonso: jafonso@e-mfp.eu