

Workshop on PERFORMANCE EVALUATION OF MFIs

"LET YOUR FIGURES TALK"

Introduction

Cooperatives Moshi

enkambwe@gmail.com

Introduction

Welcome - Karibu

Esther Nkambwe













Introduction

Presentation of participants. Who's who?

- Name
- Institution
- Function
- Experience
- Expectations





Objectives of the workshop

- The aim of this training is to get to know Microfact tool, that is on one hand used by one of the CEDP-partners and, on the other hand, to assess the usefulness of this tool for your own cooperative development work.
- Additionally, participants will get a better insight in the financial and social evaluation of the microfinance institutions/ Saccos and how to compare their performance with the market.



WORKSHOP TIMETABLE -- MOSHI

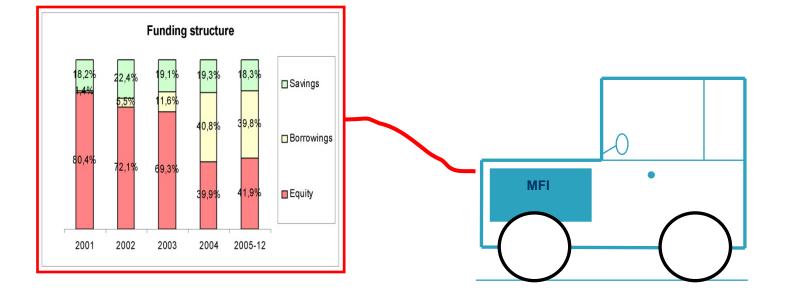
26/11/2018

Agenda - 1 day KPIs workshop

TIME	TOPIC
08:30 to 10:30	Introduction of the day
	Introduction to Microfact Fact sheets
	MFI fact sheet details
	Introduction to microfact sheet compiler
	Outputs from the compiler
	Performance Analysis
10:30 to 11:00	Break
11:00 to 13:00	Introduction to financial and social performance
	Introduction to Ratios
	Performance Analysis using key ratios
13:00 to 14:00	Lunch
14:00 to 16:30	Financial and Social Performance analysis using different ratios
16:30 to 17:00	Conclusions



Introduction - indicators





How to use the MFI Factsheet tool in a day-to-day management and in the communication with different stakeholders of the microfinance sector, different stakeholders which are using MFI Factsheet (Networks (like TAMFI, CamCcul, Redcamif, networks in South-East Asia), Investors (LMDF, Incofin, Alterfin, BRS, Cordaid, Icco-Terrafina, Grameen Credit Agricole), NGO's (Trias, SOS-Faim, BRS, ADA, ICCO, Stars project) and many more I also made publicity of our KPIs training for Microinsurance.



Introduction indicators - MFI Factsheet

	NOM DE L'ORGANISATION	MFI Y			
	VEUILLEZ REMPLIR TOUTES LES CELLULES				RAPPORT EN
	JAUNES	1			
	Tableau A. bhan en fin a exercice				
		Année	Année	Année	Année
		2003	2004	2005	2006
Item ref.	ACTIF				
A01	ACTIFS CIRCULANTS	10 039 470,81	8 852 854,49	19 526 894,74	41 066 947,63
A02	Espèces en caisse	748 622,72	583 016,00	663 165,35	1 507 342,34
	Dépôts non productifs d'intérêts et				
<u>A03</u>	comptes de liquidation Dépôts productifs d'intérêts et	2 402 963,84	1 648 465,20	339 161,56	1 583 632,75
<u>A04</u>	investissements < 1 an	45 019,00	111 588,00	3 409 420,00	34 497 623,08
A05	Charges constatées d'avance	0,00			
<u>A06</u>	Effets à recevoir	0,00			
A07	Intérêts à recevoir	53 042,92			3 348 908,15
<u>A08</u>	Autres actifs circulants	6 /89 822,33	6 464 771,00	15 001 944,60	129 441,31 115 908
<u>A09</u>	PORTEFEUILLE DE PRÊTS NET	27 743 416,27	44 176 969,00	74 571 448,93	977,09
					120 661
<u>A10</u>	Portefeuille de prêts brut (solde créditeur)				,
<u>A11</u>	(Réserves pour pertes sur prêts)		-2 559 743,00		
<u>A12</u>	CRÉANCES À PLUS D'UN AN		2 736 649,00		
<u>A13</u>	Investissements > 1 an	12 931,23			
A14	Immeubles et matériel nets		1 959 998,00		11 658 166,52
<u>A15</u>	Autres créances à plus d'un an	688 465,87 39 927		98 252	2 657 681,78 171 372
<u>A16</u>	TOTAL ACTIF				120,59
	DETTES				
<u>A17</u>	DETTES À UN AN AU PLUS	10 097 158,86	13 114 537,00	23 059 965,82	38 660 392,38
A18	Dépôts à vue	0,00	0,00	0,00	443 161,56
A19	Dépôts à terme à un an au plus	0,00	0,00	0,00	15 743,44
A20	Fonds empruntés à un an au plus		11 787 150,00		
A21	Intérêts à payer	0,00		0,00	
<u>A22</u>	Autres dettes à un an au plus	1 199 458,29	1 327 387,00	2 621 250,38	
<u>A23</u>	DETTES À PLUS D'UN AN	22 562 011,38	32 778 393,00	58 330 001,94	108 405 237,31
					237,31

0,00

0.00

0,00

0.00

22 517 792,50 32 677 146,00 58 294 247,74

0,00

0,00

108 127

655,91

Dépôts à terme à plus d'un an

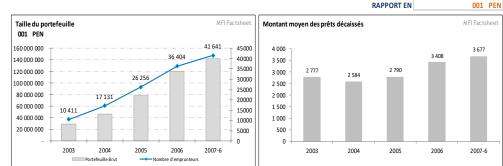
Fonds empruntés à plus d'un an

Comptes de quasi-capital

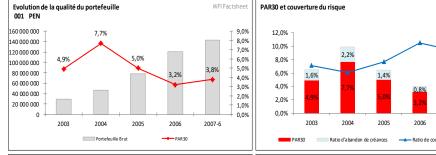
A24

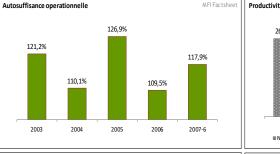
A25

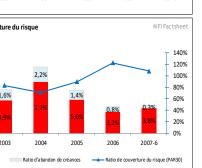
<u>A26</u>

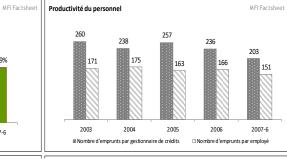


NOM DE L'ORGANISATION MELY





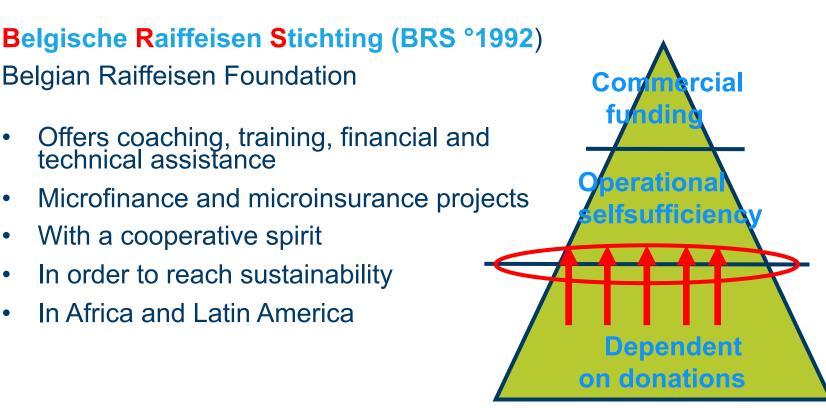




microfact



BRS: what it does?



inancial and institutional sustainabilit



Consultancy and training of BRS in 2016: 702 days

Latin America Second	Africa	KBC Experts	Worldwide 10 countries 11 projects
3 countries:	7 countries:	26 experts	
• Honduras	• Uganda	394 days	
 El Salvador Peru 	 Ruanda Burkina Faso Ghana RD Congo Cameroon Togo 	BRS coaches 13 coaches 233 days BRS team 5 permanent 75 days	

MFI performance indicators categories

Loan portfolio quality

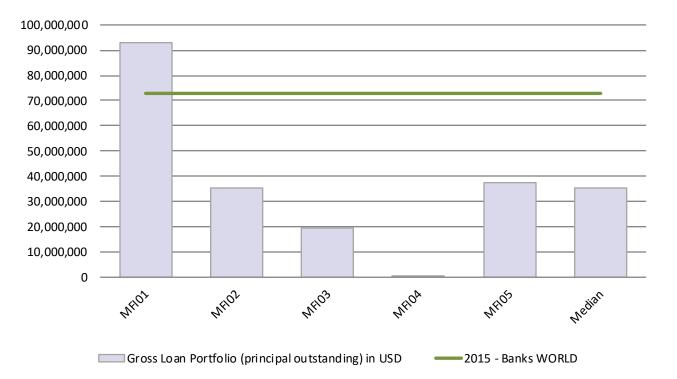
Efficiency and productivity

Financial management

Profitability and sustainability



Presentation of participants - Gross loan portfolio



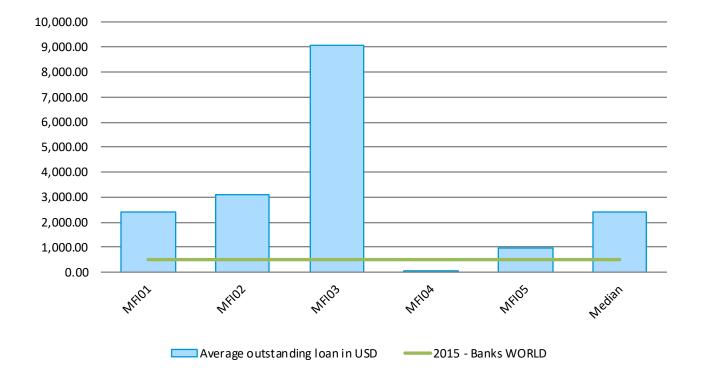
Gross Loan Portfolio (principal outstanding) in USD - 12-2016



13

Presentation of participants - Average loan size

Average outstanding loan in USD - 12-2016







Workshop on PERFORMANCE EVALUATION OF MFIs

"LET YOUR FIGURES TALK"

PORTFOLIO QUALITY

MFI performance indicators categories

Loan portfolio quality

Efficiency and productivity

Financial management

Profitability and sustainability



Portfolio quality is essential!!

Loan portfolio:

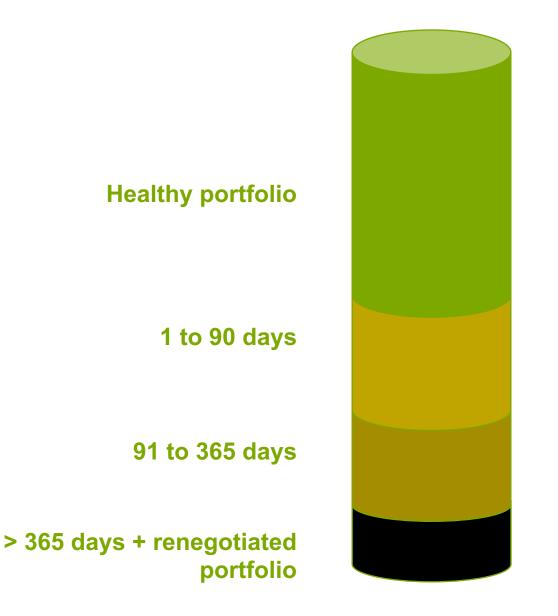
- Main asset
- ✓ Main source of revenue
- Main source of risks

This is especially true in microfinance since:

- No real collateral
- Vulnerable clients who face great number of risks
- Portfolio quality may deteriorate or improve very quickly



Portfolio quality: gross loan portfolio





Portfolio at Risk: how to calculate it?

PAR_n = Outstanding balance of arrears over « n » days + Total gross outstanding renegotiated portfolio

Total outstanding gross loan portfolio

Specify number of days

Specify end of calculation period

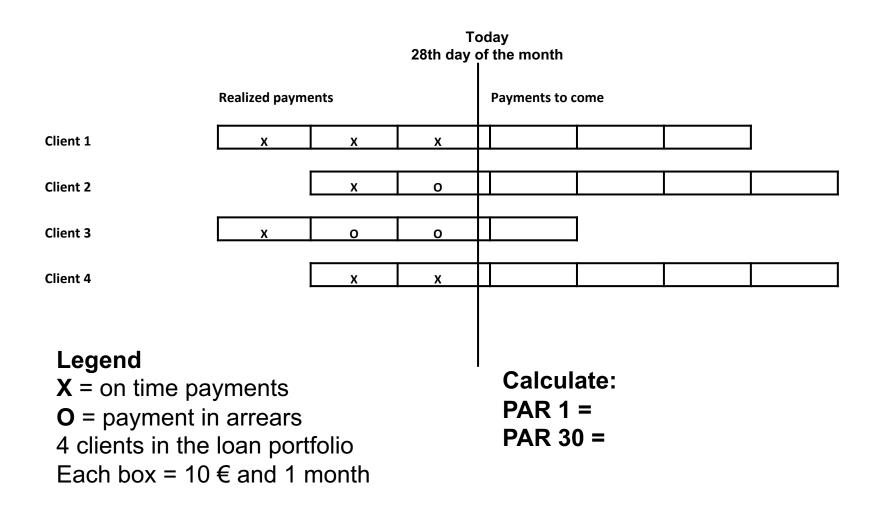
Neglecting renegotiated loan = underestimate risk widely



Calculation of the PAR

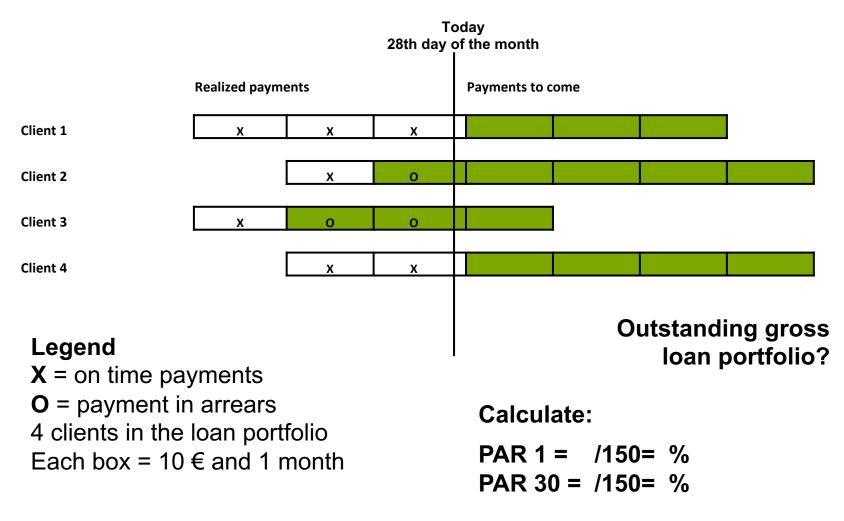
What is your institution's PAR30?



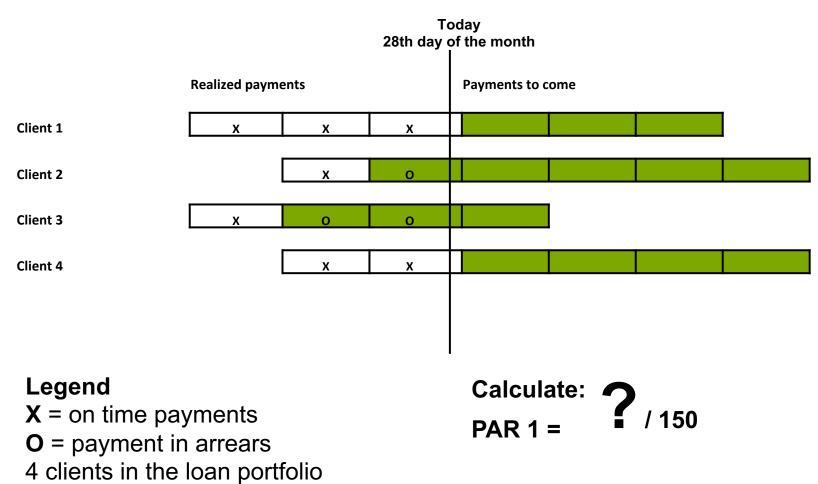






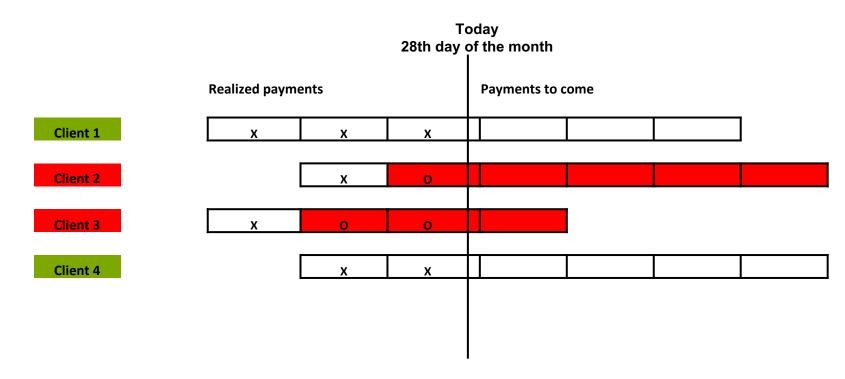




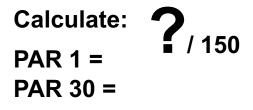


Each box = $10 \in$ and 1 month

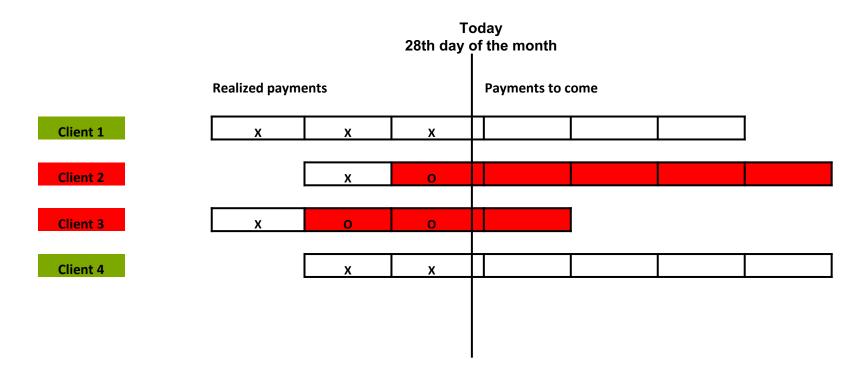




Legend X = on time payments O = payment in arrears 4 clients in the loan portfolio Each box = 10 € and 1 month







Legend X = on time payments O = payment in arrears 4 clients in the loan portfolio Each box = 10 € and 1 month

Calculate:

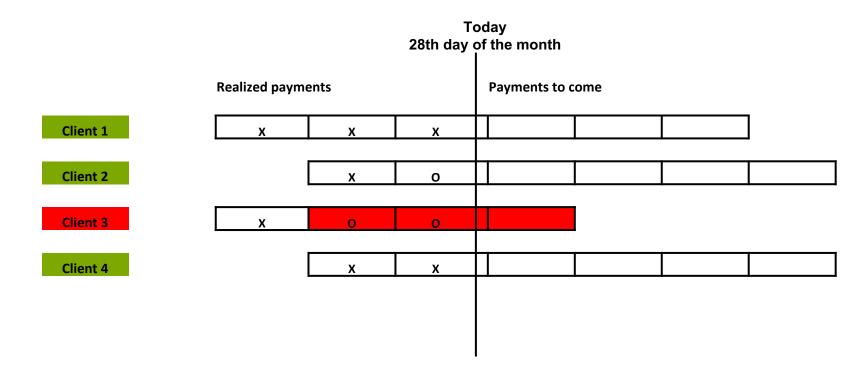
PAR 1 = 80/150 = 53%

PAR 30 = ?

Source : CGAP



52



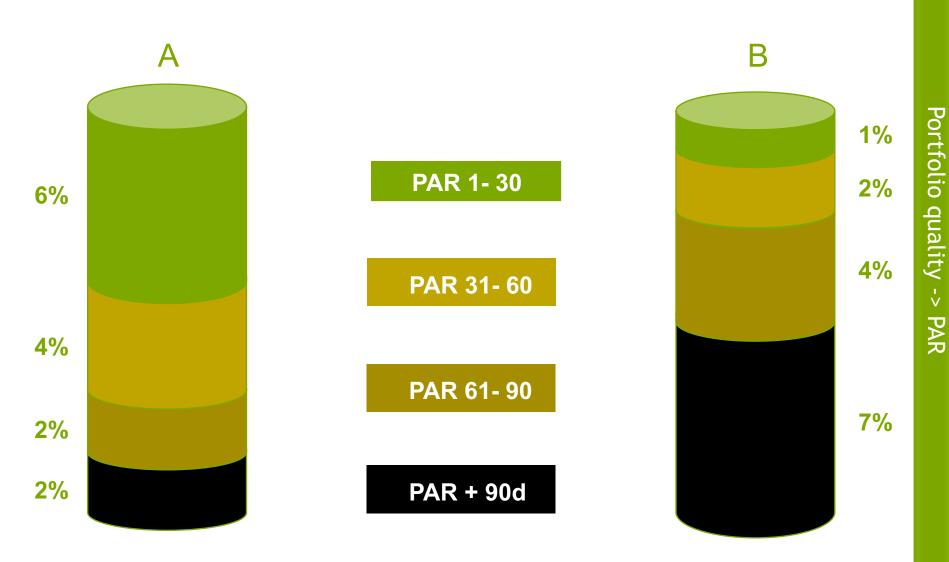
Legend

X = on time payments
O = payment in arrears
4 clients in the loan portfolio
Each box = 10 € and 1 month

PAR 1 = 53%

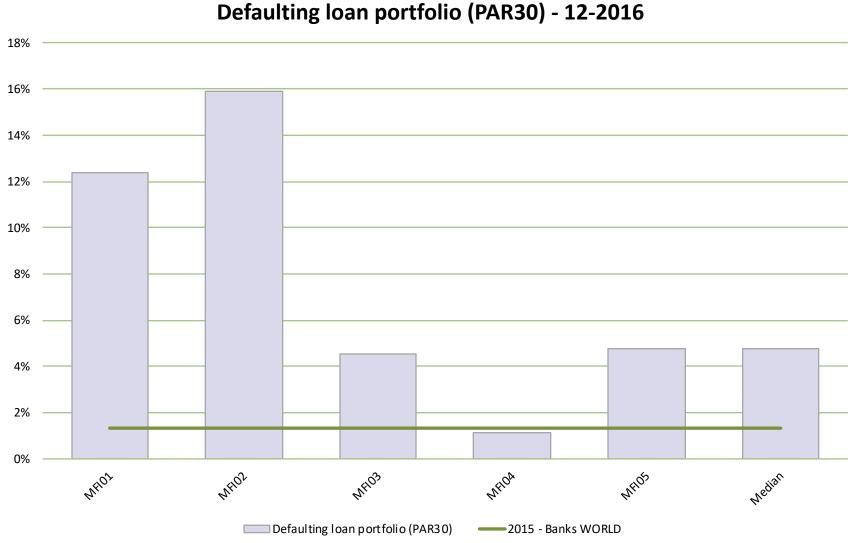


Risk profile of an MFI with a similar PAR1





PAR30 - Participants' data



microfact

STRENGTHENING MICROFINANCE

Main indicators for portfolio quality

Portfolio at Risk n days (PAR_n)

What part of my portfolio is at risk / contaminated by arrears?

Risk coverage ratio

What part of my portfolio at risk is covered? How to protect myself against losses?

Provision expense ratio

How much does this protection cost?

Write-off ratio

Which part of my portfolio has been lost?



Risk coverage ratio: how to calculate it?

Risk coverage ratio = Loan loss reserves (Outstanding balance on arrears over N days + renegotiated loans)

Loan loss reserves = ?

Why should one include renegotiated loans?

Portfolio quality -> Risk coverage ratic

Provision expense ratio: how to calculate it?

Provision expense ratio = (net) Loan loss provision expense

Average gross portfolio

Do not confuse loan loss provision expense (income statement) with the risk coverage ratio (balance sheet).



Write-off ratio: how to calculate it?

Write-off ratio = <u>Amounts written-off for the period</u> Total outstanding gross loan portfolio

A write-off is an accounting procedure which writes-off the loan amount to be reimbursed from the outstanding gross loan portfolio AND the loan loss reserves for bad loans

Thus the write-off will not affect the net outstanding loan portfolio, total assets or any capital account.





Workshop on PERFORMANCE EVALUATION OF MFIs

"LET YOUR FIGURES TALK"

EFFICIENCY AND PRODUCTIVITY

Efficiency and productivity

Operating expense ratio

How much do my credit operations cost me? How efficient am I?

Cost per borrower

How much does it cost me to have one more borrower?

Productivity of staff

How many clients is each staff member handling?

Productivity of Ioan officers

How many borrowers is each loan officer handling?



Operating expense ratio: how to calculate it?

Operating expenses

Operating expense ratio =

Average gross loan portfolio

Operating expenses = all expenses related to the operations of the MFI

The denominator can be replaced by average total assets in case of the MFIs collecting savings



Cost per borrower: how to calculate it?

Operating expenses

Cost per borrower =

Average number of active borrowers

Operating expenses: same figure (item) as the operating expense ratio

Active borrower: borrower individually recognisable, who has at least one outstanding loan

MFIs may choose to substitute the number of active loans as the denominator to see cost per active outstanding loan.



Staff productivity: how to calculate it?

Productivity of staff = <u>Number of active borrowers</u> Number of staff members

Number of active borrowers is defined as as individually identifiable borrowers who have at least one outstanding loan at the institution

Total number of staff is defined as the total number of people that work full time in a MFI (includes contract staff like consultants, as long as they work full time).



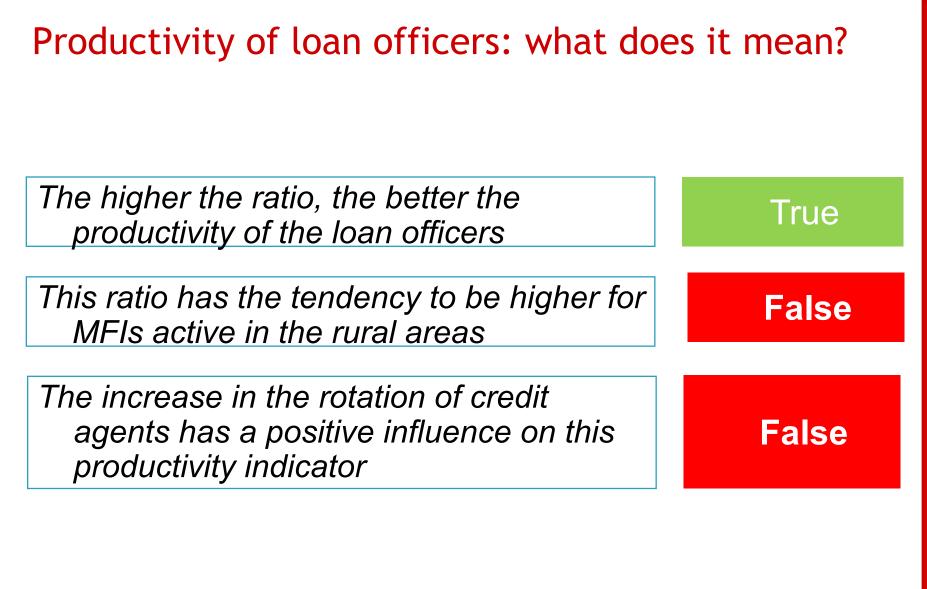
Productivity of loan officers: how to calculate it?

Productivity of loan officer = Number of active borrowers Number of loan officers

Number of active borrowers is defined as an individually identifiable borrowers who have at least one outstanding loan at the institution

Loan officers are defined as the total number of people who's activity is directly linked to the management of part of the outstanding loan portfolio.









Workshop on PERFORMANCE EVALUATION OF MFIs

"LET YOUR FIGURES TALK"

FINANCIAL MANAGEMENT

Financial management indicators

Funding expense ratio How much does the funding of my portfolio cost?

Cost of funds How much do I pay on average on my funding resources?

Debt/equity ratio What is my borrowing capacity?

Portfolio to assets

What part of my assets is dedicated to the most generating-income asset?



Funding expense ratio: how to calculate it?

Funding expense ratio = Interest and fee expenses

Average gross loan portfolio

Interest and fee expenses on funding liabilities take into account all interests, fees and commissions linked to funding liabilities (deposits and external borrowings).



Cost of funds ratio: how to calculate it?

Interest and fee expenses

Cost of funds ratio =

Average funding liabilities

Interest and fee expenses on funding liabilities engage all interests, fees and commissions linked to funding debts

Denominator engages all the MFI financial resources, including deposits, commercial funding, subsidized funding and quasi-capital.



Financial management -> Debt/equity ratic

Debt / equity ratio: how to calculate it?

Debt / equity ratio =

Total liabilities

Total equity

Total liabilities engage all the MFI due payments including deposits, borrowings, payable accounts and all others liability accounts

Total equity corresponds to total assets minus total liabilities (due amounts).



Portfolio to assets: how to calculate it?

Portfolio to assets = Gross Ioan portfolio Total assets

Shows how the MFI allocates its assets to its core business and in most cases, its most profitable activity, namely the provision of loans.

191





Workshop on PERFORMANCE EVALUATION OF MFIs

"LET YOUR FIGURES TALK"

PROFITABILITY AND SUSTAINABILITY

Profitability and sustainability

Return on equity (ROE)

How much do my shareholders earn / do I capitalise every year?

Return on assets (ROA)

What is my assets capacity of generating profit to grow?

Portfolio yield

How much do I actually earn from my clients?

Operational self-sufficiency (OSS)

What is my operational sustainability? Does my income cover my operational expenses?



Profitability and sustainability Return on equity

Return on equity (ROE): calculation

Net income after taxes and before donations ROE = _________ Average equity

Note: possibility of adjusting the ratio to take into account the effects of inflation, subsidies, in-kind donations, etc.



ROA = <u> Net income after taxes and before donations</u> <u> Average assets</u>

Note: possibility of adjusting the ratio to take into account the effects of inflation, subsidies, in-kind donations, etc.

221



Portfolio yield: how to calculate it?

Portfolio yield = <u>Financial revenue received</u> Average gross loan portfolio

Note: (cash) financial revenue = interest and fee income from loan portfolio except interest receivables.



Profitability and sustainability -> social performance

How to calculate the (approximate) effective interest rate?

EIR = Portfolio yield (PY) + adjustment for write-offs (WO*PY) + adjustment for PAR30 (PAR30*PY)

The effective interest rate as calculated in the MFI Factsheet is an estimate based on the portfolio yield with the addition of an adjustment of PAR30 and the write-off rate.



Profitability and sustainability -> SSO

OSS: how to calculate it?

OSS =

Operating revenue

Financial expenses + loan loss provision expenses + operating expenses

Note: as for other performance measures, income and expenses related to the main activity of the MFI, expenses and non-operating income and grants are not taken into account.





Workshop on PERFORMANCE EVALUATION OF MFIs

"LET YOUR FIGURES TALK"

SOCIAL PERFORMANCE

Universal Standards for Social Performance Management (USSPM)





STAR case study - group work

STAR 5th annual meeting Your future, our concern

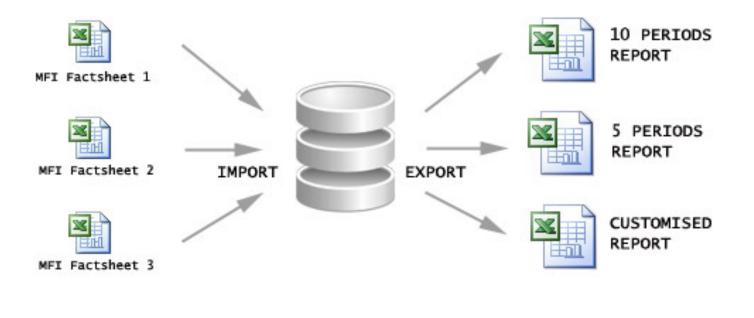
281



MFI Factsheets Compiler for MFI-networks, funders and donors

Tool to import, store and organise MFI Factsheets in order to generate financial reports in a practical way.

These reports include standard financial and social ratios, graphs and statistics allowing to assess and compare the financial and social performance of MFIs.

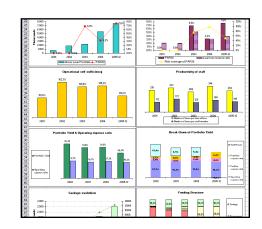




MFI Factsheets Compiler

Table A. Balance. Sheet, at. period's and PLANE THE ALL NUME ALL DEVICES Table A. Balance. Sheet, at. period's and Yang Yang <thyang< th=""> Yang Yang</thyang<>						001 ETB				
THE THE <ththe< th=""> <ththe< th=""> <ththe< th=""></ththe<></ththe<></ththe<>	Table 1. Dalama Obset at a side dia and				REPORT IN					
Big 1 Big 1 <th< th=""><th>Table A: Balance Sneet at period's end</th><th colspan="9">PLEASE FILL IN ALL YELLOW-COLOURED CELLS</th></th<>	Table A: Balance Sneet at period's end	PLEASE FILL IN ALL YELLOW-COLOURED CELLS								
Average The start of the start		Year	Year	Year						
CHEMPLY AMARTS D11454.07 B1142717 B212.012 C522.011.01 C522.010.01 C522.010.01 <thc522.010.01< th=""> C522.010.01 <th< th=""><th></th><th>2001</th><th>2002</th><th>2003</th><th>2004</th><th>2005-12</th></th<></thc522.010.01<>		2001	2002	2003	2004	2005-12				
Carl on hand Carl on hand<										
The interval starts again of directs accord and the Second accord		311.096,69	181.507,17	988.245,58	2.592.911,36					
Internet access Part (1)			10.029,10							
Transf. constraint 1.990.01 1.297.01 1.4477.01 3.217.01 </td <td>Non-interest bearing deposits and clearing accounts</td> <td></td> <td></td> <td></td> <td></td> <td></td>	Non-interest bearing deposits and clearing accounts									
Assouth account of the second secon			72.311,98	759.327,43	1.143.191,70	2.016.581,80				
Datasta consulta 3.2500 3.2502,0 9.2700,0 9.2000,0 22.250,0				14.687,12	17.712,04	36.127,85				
Oper contrasting 16, 500 123, 500 124, 500 124, 500 124, 500 124, 500 124, 500 124, 500 124, 500 124, 500 124, 500 124, 500 124, 500 124, 500 124, 500 124, 500		0,00	0,00			11.081,18				
ATL LOAD FORMUTION Dist 20100 LAD 20100 2 (15, 47, 27) 2 (25, 70, 110, 7) <th2 (25,="" 110,="" 7)<="" 70,="" th=""> 2 (25, 70, 110, 7)</th2>		8.396,98	24.030,42	58.472,96	154.559,51	227.828,69				
Gran Lass Autorità (arronge obtenito) 735 5507 1.809 5007 7.55 5507 Gran Lass Autorità (arronge obtenito) 7.35 5507 3.95 550 7.25 350 7.55 550 Gran Lass Autorità (arronge obtenito) 7.35 5507 3.95 550 7.55 550 7.55 550 Gran Lass Autorità (arronge obtenito) 7.85 5507 3.95 550 7.55 550 7.55 550 Gran Lass Autorità (arronge obtenito) 7.85 550 7.55 550 7.55 550 7.55 550 Gran Lass Autorità (arronge obtenito) 7.85 550 7.55 5			256,25	9.113,95						
Schedurszerentik 34.962/J 35.970/J 34.970/J	NET LOAN PORTFOLIO			2.156.942,73						
Lists: TDP Add(T): July UP July UP <thjuly th="" up<=""> <thjuly th="" up<=""> <thjuly th="" up<=""></thjuly></thjuly></thjuly>			1.849.694,50	2.275.726,32	5.503.307,67					
Difference Database			-36.993,89	-118.783,59	-174.202,91					
Bit Product and Engeneration 34.49(2) 34.59(2) 3					273.132,48					
Other Loging Larget Date Date <thdate< th=""> Date <thdate< th=""> Date <thdate< th=""></thdate<></thdate<></thdate<>	Investments > 1 year				2.000,00	2.000,00				
UTDPAL ASS(T) 1595 Sec.14.2 2931 L592.7 3931 L611 8.155 L63.6 Results CORRENT LABORTING P172.22.5 647 J72.6 547 J72.6 100 J72.2	Net Property and Equipment				271.132,48					
Distribution Distribution<	Other long term assets	0.00	0,00	0,00	0,00	324.765,00				
UBBER CLASSING PAY 232/6	TOTAL ASSETS	1.059.064,16	2.031.158,37	3.343.148,11	8.195.148,60	13.669.607,21				
UBBER CLASSING PAY 232/6										
Stematic Segments 1922/26/5 450 (270) 1923/26/5 450 (270) 1923/26/5 1926/26/5 1966/26/5		207 222 74	F67 073 83	410 433 33	3 311 341 00	3 178 338 77				
Start Man, Time Deputs (1, 1 and) 0.00 20.00 0.00 9.00		207.323,76	567.073,82	659.623,23	2.211.241,00	3.178.228,77				
Data Line Records Fund (i. c) 1 and 2 Data Line Records Fund (i. c) 1 and 2				637.300,14						
Dimension 4 - Tricle - good - 10 - 40 - 20 - 10 - 40 - 20 - 10 - 40 - 20 - 10 - 40 - 20 - 10 - 40 - 20 - 10 - 40 - 20 - 10 - 40 - 20 - 10 - 40 - 20 - 10 - 40 - 20 - 40 - 20 - 40 - 20 - 40 - 4										
Order distribution 8 37000 44 36012 11.07244 11.02243 11.02244 <td></td> <td></td> <td></td> <td></td> <td></td> <td>501.130,90</td>						501.130,90				
Links Test 11 Links Source Test 12 Links Links <thlinks< th=""> Links Links</thlinks<>				10.669,15		146.637,30				
Long function Steppid (- 1, train) 0.00 0.00 360,000 17				AA-07-0,74	10.039/20	20.007,07				
Log bare borned fundi (1 rsr) 0.00 0.00 366,000 1 120										
Control Capability Control										
Other Log um labilities 0.00 5.00 0.00 0.00 7.4(47).1 String Alars Schlart 20132247, 64073428 1.253247, 6407348 1.253247, 6407348 1.253247, 6407348 1.253247, 6407348 1.253247, 6448					1.716.000,00	3.683.093,37				
UBAL LIMITIS 757 322/s 557 723/s 165 552/s1 167 5223/s 177 523/s CONT F	Quasi Capital Accounts									
Distribution Distribution<										
Parking America 200.000,00 20	TOTAL LIABILITIES	207.323,76	567.073,82	1.025.623,23	4.927.241,00	7.939.727,32				
Constat coupt 712/94-21 1142/482/2 1456 01/20 2-214,821/2 4-356 42/2 Constat coupt 712/94-21 1142,482/2 1456 42/2 4-356 42/2 4-356 42/2 Structures of patient stationary 6-30 (2017) 2-375 42/2 1356 42/2 4-356 42/2 Other updat accords 0-30 (2017) 2-375 42/2 1368 32/2 1368 32/2 4-356 42/2 Other updat accords 0-30 (2017) 6-31 (2014) 140 42/2 140 42/2 140 42/2 140 42/2 4-356 42/2 140 42/2 4-356 42/2 140 42/2	EQUITY									
Constat coupt 712/94-21 1142/482/2 1456 01/20 2-214,821/2 4-356 42/2 Constat coupt 712/94-21 1142,482/2 1456 42/2 4-356 42/2 4-356 42/2 Structures of patient stationary 6-30 (2017) 2-375 42/2 1356 42/2 4-356 42/2 Other updat accords 0-30 (2017) 2-375 42/2 1368 32/2 1368 32/2 4-356 42/2 Other updat accords 0-30 (2017) 6-31 (2014) 140 42/2 140 42/2 140 42/2 140 42/2 4-356 42/2 140 42/2 4-356 42/2 140 42/2	Paid-up share capital	201.000.00	201.000.00	201.000.00	201.000.00	201.000.00				
Current rear prefxfors -12.656,46 275.555,66 397.2655,23 294.155,88 86.756,21 Restructs (relations atminus) accumulated losses -15.652,1 27.23,28,3 10.823,26,2 294.405,00 66.66 66.756,21 Other capabil accumulated losses -0.06 1.644,484,535 2.317,524,484 3.267,794,48 5.2729,87,96 Other capabil accumulated losses -0.06 -0.06 6.06 4.644,484,535 2.317,524,48 3.267,794,48 3.2729,479,48 3.2729,479,48 3.2729,479,48 3.2729,479,48 3.2729,41,794,48 3.2729,479,49 3.2729,479,49 3.27		717.994.23		1.820.437.59	2.378.243.72					
Reserves (+5,56),7 (-7,233,08) 109,820,66 294460,00 60.00			175,535,98			86,796,21				
Other capital accounts 0,00 0,0	Reserves / retained earnings / accumulated losses		-67,253,83							
TOTAL EQUITY 851.740,40 1.464.084,55 2.317.524,88 3.267.907,68 5.729.879,89		0.00	0.00							
TOTAL EQUITY AND LIABILITIES 1.059.064.16 2.031.158.37 3.343.148.11 8.195.148.60 13.669.667.21	Other capital accounts TOTAL EQUITY	851.740,40								

	BRS.MFI Factsheets	s Compiler				
Consistency chec Den20 (Den20 - A2M)	k					brs
Actual year	00) Currency	AZM	* Unit of	f Amounts	100	×
Consistency Control						
		2005	206	2007	2008	2009-06
Balance sheet bala	TOTAL ASSETS	26.765.050,00	37.532.735,00	26.765.050,00	37.532.735,00	44.564.285,0
	TOTAL EQUITY AND LEABILITIES	26.765.050,00	37.532.735,00	26.765.050,00	37.532.735,00	44.564.785,0
	Difference	0,00	0,00	0,00	0,00	0,
Accrual of intrest	In Balance sheet	523.990,00	774.923,00	523.990,00	774.923,00	744.900)
	In Pill	523.990,00	774.923,00	523.990,00	774.923,00	744.900,
	Ofference	0,00	0,00	0,00	0,00	0,0
Portfolio information						
	In Balance sheet	22.863.458.00	33.501.182.00	22.863.458,00	33.501.392.00	36.793.431./
	Sum in Extrac	22.863.458.00	33,501,182,00	22,863,458.00	33,501,192,00	36,793,431,/
	Ofference	0,00	0,00	0,00	0,00	0)
Result of the year	In Balance sheet	1 169 207 00	3.085.741.00	1.169.107,00	3.085.741.00	2,446,851.)
	(n P6),	1.169.107.00	3.085.741.00	1,169,107,00	3.085.741.00	2,446,851,
	Ofference	0,00	0,00	0,00	0,00	0,
Reserve consistency	Seginning Loan loss reserve (previous year)	NA	634.127.00	1.125.166.00	634.127.00	1.125.1660
	Provision expense	467.060.00	913.004.00	487.060,00	913.804.00	927.596
	Wite-off	313.651.00	422,765,00	313.651.00	422,795.00	-144
	Ending Loan loss reserve (this year)	634.127.00	1.125.166.00	634.127,00	1.125.366.00	2.052.906.)
	Difference	NA	0.00	664,448,00	0.00	0

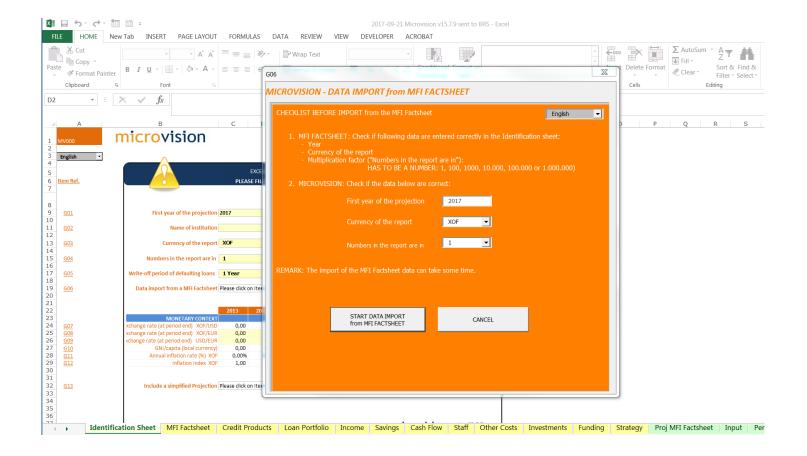


Upload the MFI Factsheets (Excel) in the MFI Factsheets Compiler (central database) In the MFI Factsheets Compiler assign organizations to groups, apply exchange rates, change data,...

Generates reports in Excel for one MFI or a consolidated group of MFIs, for a certain period, in a specific
 currency, ...



Microvision



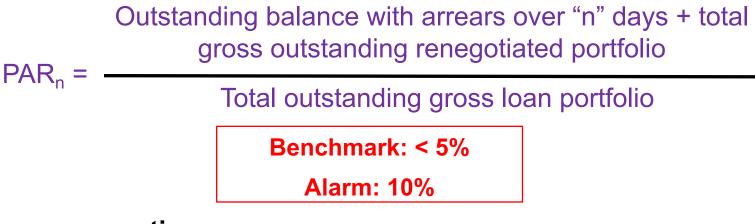
FINANCIAL PROJECTION MODEL FOR MFIS



Loan portfolio quality

Portfolio at Risk "n" days (PAR_n):

What part of my portfolio is at risk/contaminated by arrears?



Risk coverage ratio:

What part of my portfolio at risk is covered? How to protect myself against losses?

Loan loss reserves

Risk coverage ratio =

(Outstanding balance on arrears over "n" days + renegotiated loans)

Benchmark: 80% - 100%



Loan portfolio quality

Provision expense ratio:

How much does this protection cost?

Provision expense ratio = Net loan loss provision expense

Average gross loan portfolio

Benchmark: 2%

Write-off ratio:

Which part of my portfolio has been lost?

Write-off ratio =

Amounts written off for the period

Total outstanding gross loan portfolio

Benchmark: 1%



Efficiency and productivity

Operating expense ratio:

How much do my loan operations cost? How efficient am I?

Operating expense ratio =

Operating expenses

Average gross loan portfolio

Benchmark: 20%

Cost per borrower:

How much does it cost me to have one more borrower?

Operating expenses

Cost per borrower =

Average number of active borrowers

287



Efficiency and productivity

Staff productivity:

How many borrowers is each member of staff handling?

Staff productivity =

Number of active borrowers

Number of staff members

Benchmark: 150 / year

Productivity of loan officer:

How many borrowers is each loan officer handling?

Number of active borrowers

Productivity of loan officer =

Number of loan officers

Benchmark: 250 / year



Financial management

Funding expense ratio:

How much does the funding of my portfolio cost?

Funding expense ratio =

Total financial expenses

Average gross loan portfolio

Cost of funds:

How much do I pay on average on my funding resources?

Cost of funds =

Financial expense on funding liabilities

Average funding liabilities (deposits + borrowings)



Financial management

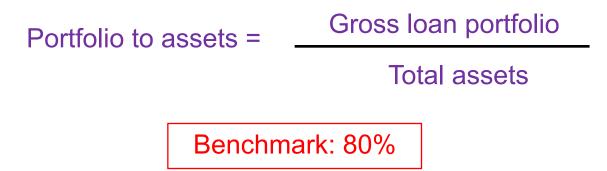
Debt/equity ratio or leverage:

What is my borrowing capacity?

Leverage = <u>Total liabilities</u> Total equity Benchmark: 3,2%

Portfolio to assets:

What part of my assets is dedicated to the most income-generating asset?





Profitability and sustainability

Return on assets (ROA):

What is my assets capacity of generating profit to grow?

Net income after taxes and before donations

ROA =

Average assets

Benchmark: 1% - 2%

Return on equity (ROE):

How much do my shareholders earn/do I capitalize every year?

Net income after taxes and before donations

ROE =

Average equity

Benchmark: 5% - 7%



Profitability and sustainability

Operational self-sufficiency (OSS):

What is my level of sustainability?

Operating revenue

OSS =

Operating expenses + loan loss provision expenses + financial expenses

Benchmark: 100%

Portfolio yield:

How much do I actually earn from my credit activities?

Portfolio yield =

Financial revenue from loan portfolio

Average gross loan portfolio

Benchmark: 20% - 30%



Social performance

Breakdown of gross loan portfolio by sector:

What is the diversification or specialization of an MFI's portfolio?

Outstanding loan balance per sector

Total gross portfolio of outstanding loans

Breakdown of gross loan portfolio by methodology: What is the diversification or specialization of an MFI's portfolio?

Outstanding loan balance per methodology

Total gross portfolio of outstanding loans



Social performance

Average loan size/GNI per capita:

The smaller the size of the loan, the poorer the institution's target clients is assumed to be

Average loan size

GNI per capita of the country in which the MFI operates

Effective (real) interest rate:

What is the actual cost that the borrower has to pay for the loan?

EIR = Portfolio yield (PY) + (WO*PY) + (PAR30*PY)

