





Delegação Provincial de Sofala

Objectives of Presentation



Klaus Röde

Survey for GTZ-PRODER

What can Statistics provide for Monitoring PARPA (Plano de Acção para a Redução da Pobreza Absoluta) and MDG (Millenium Development Goals)

Future Use of Statistics

Is there need to analyze and to monitor the Development in Provinces on District Level?

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Objectives of Statistics in Mozambique Monitoring PARPA and MDG

Collecting and Publishing Population Data (Health, Education) Current Data Analysis

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Future Use of Statistics

- Monitoring Economic and Social Development
- Support Political and Management Decision and all Levels?

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Statistics for Monitoring PARPA and MDC

Millennium Development Goals	Available Statistics		Background
Reduction of Poverty and	IAF (Inquérito de Agregados Familiares),		Current Data
Hunger	Population Census, QUIBB (Questionario		Anarysis
	(Inquérito Demográfico e Saúde)	/	Survey for GTZ-
School Enrollment	IAF, Population Census, QUIBB, Education		PRODER
	Statistics (Apresentação Escolar)		
Gender Equality and	IAF, Population Census, QUIBB, Education		Future Use of
Promotion of Women's Conditions	Statistics		Statistics
Reduction of Mortality Rate among Children	Population Census, IDS		
Improvement of Maternal Health	Population Census, QUIBB, IDS		
Fighting HIV/ AIDS,	IDS		
Malaria and other	\vee		
Sustainability of Land	CAP (Censo agro-pecuário) TIA (Trabalhos		
Use and Environmental	de Inquérito Agricultura).		
Conduditis			
07-06-2005	Obtain and Use Detailed Information	non	4



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Tasks and Challenges of Regional Statistics

Make Use of Available Data on Province Level

- Develop and Improve Analytical Capacity on Province Level
- Publish Results on Province Level
- Cooperation with
 - Politics

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- Economy (Industry, Commerce, Services)
 - Projects, National & Foreign Donors etc.

Obtain and Use Detailed Information on Living Conditions in Sofala

Current Data Analysis

Background

Survey for GTZ-PRODER

Future Use of Statistics





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Use of Statistical Data in the Province

Use and Analyse available Statistical Information on the District Level

Compare Districts, Regions and Target Groups in Province

Measure Performance of Districts, Poverty Levels of Regions and Target Groups in the Province Background

Current Data Analysis

Survey for GTZ-PRODER

Future Use of Statistics

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Representativity of District Data Current Data Analysis

Generally, there is no reason to discard the data on district level. The Analyst must decide:

Results on district level cannot be considered to be representative, if the number of Areas of Enumeration (AE) in the Sample was less than 20% of the total number of the AE in the district

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Percentage of EA in Sa	mple Sofala IAF 2002/03
BUZI	7%
CAIA	38%
CHEMBA	31%
CHE RINGOMA	22%
CHIBABAVA	7%
DONDO	23%
GORONGOSA	19%
MACHANGA	6%
MARINGUE	23%
MARROMEU	31%
MUANZA	4%
NHAMATANDA	40%



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IAF Analyses Economic Poverty (Expenditures)

Current Data Analysis

Districts	Hholds in Sample	Poverty Index	Poverty Gap Index	Squ. Poverty Gap
				Index
CHIBABAVA *	36	58,33%	25%	26%
MARINGUE	27	,55,56%	22%	25%
CAIA	45	48,89%	16%	17%
CHEMBA	36	47,22%	19%	20%
MACHANGA *	27	44,44%	14%	16%
GORONGOSA	_ م 48	35,42%	14%	15%
Cidade da Beira	276	34,42%	14%	17%
DONDO	72	33,33%	12%	14%
MARROMEU	o ∧ ∩ ()) [*] 48	33,33%	11%	12%
NHAMATANDA	און ע ז5	29,33%	14%	16%
BUZI*	\∀ [∨] 75	25,33%	10%	10%
CHERINGOMA	21	23,81%	9%	13%
MUANZA *	9	22,22%	6%	8%
Total	795	36,10%	5%	6%

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Poverty Indices ? Poverty Index (P_o):

Poverty Gap Index(

How many are poor (below Poverty Line)

Future Use of Statistics

Background

Current Data

Analysis

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How poor are the Poor (how far below Poverty Line)

Squared Poverty Gap Index (P₂):

How Are the Poor distributed (Many Ultra Poor ?)

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First Analysis of Economic Poverty

Current Data Analysis

Districts Hbo	lds in Sample	Poverty Index	Poverty Ga	n Index	Sau Poverty Gan
					Index
CHIBABAVA *	36	58,2	3%	25%	26%
MARINGUE	27	55,5	6%	22%	25%
CAIA	45	48,8	9%	16%	17%
CHEMBA	36	47,2	2%	19%	20%
MACHANGA *	27		4% > 189	14%	>= 20% 16%
GORONGOSA	48	35,4	2%	14%	15%
Cidade da Beira	276	34,4	2%	14%	17%
DONDO	72	33,3	3%	12%	14%
MARROMEU		33,3	3%	11%	12%
NHAMATANDA	75	29,3	3%	14%	16%
BUZI *	75	25,3	3%	10%	10%
CHERINGOM	21	23,8	1%	9%	13%
MUANZA *	9	22,2	2%	6%	8%
Total	795	36,1	0%	5%	6%

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Analyse Regions

Analyse Poverty Indicators for:

Target Regions

Region 1: Corredor: Beira, Whamatanda and Dondo;

Region 2: South: Buzi, Chibabva and Machanga;

Region 3: North Interior: Cheringoma, Muanza, Maringue and Gorongosa;

Region 4: North "Sena/Zambezi": Caia, Chemba, Marromeu 7175 (U) S

Current Data Analysis

	Regiá	ăo 1 🔬	💛 Regiâ	io 2	Regiã	ăo 3	Regiã	io 4
	Urbano	Rural	Urbano	Rural	Urbano	Rural	Urbano	Rural
P ₀ Região	339	%	379	%	379	%	43%	6
Po	36%	27%	50%	36%	17%	43%	25%	44%
P ₁	15%	9%	28%	14%	5%	17%	8%	16%
$P_2 \qquad \qquad$	16%	21%	29%	28%	5%	33%	9%	34%
Número AF	<u>الا</u> نت 312	111	12	125	24	81	12	117

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Analyse Gro	oups			ent Data alysis
Analyse Pove	rty Indicators	s for: Ta	rget Groups	
AF by Gende	r of HH			
AF co	n chefe masculino	AF com cl	nefe feminino	
P ₀	32%		51%	
P ₁	14%	9	19%	
P_2			39%	
Número AF	620		175	
AF by Number	of Members	•		
Número de Pessoas no AF	<=3	>3&<=5	>5&<=7	>7
P ₀	15%	33%	49%	52%
	6%	9%	15%	18%
P_2	7%	27%	39%	40%
Número AF	201	252	178	163
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Monitoring Development on District Level

What is (Sources of Information):

Statistical Data

- Administrative Data
- Existing Monitoring Tools
- Studies/ Surveys/ Data Banks

What could be (Future Sources):

Background

Current Data Analysis

Survey for GTZ-PRODER

Future Use of Statistics

Light Surveys in Target Areas/ for Target Groups

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Light Surveys for Monitoring Development

Data used for Base Lines:

Statistical Information Available

Census

IAFQUIBB et

Background

Current Data Analysis

Survey for GTZ-PRODER

Future Use of Statistics

Qualititative Surveys to ask about Development, like: Situation deteriorated ?

Situation did not change ?

Situation improved ?



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Qualitative-Quantitative Research

Many people believe the following:

Quantitative research is confirmatory and deductive in nature.

Qualitative research is exploratory and inductive in nature



Background

Survey for GTZ-PRODER

Future Use of Statistics

If true or not, there are strong arguments in favour of Qualitative Surveys:

Fast Low costs		Immediate Results		
Repeata	ble at short Intervals	Comparable over time		
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Considerations about Qualitative Surveys Control the sample size and shape thoroughly Use INE Census and Survey Enumeration

Areas

Census

QUIBB etc.

- Observe survey techniques thoroughly
 Use INE Expertise and Experience
- Confirm with quantitative data regularly

Background

Current Data Analysis

Survey for GTZ-PRODER

Future Use of Statistics

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The Survey SMD in Sofala in Progress (1)

Start on 25. of May 2005

End envisaged on 20. of June 2005

- Coverage: 3 Districts :
 - Gorongosa,Maringue,
 - Cheringoma

Coverage: 10 Enumeration Areas (same as IAF 02-03)

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Survey for GTZ-PRODER



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The Survey SMD in Progress (2)



Finding and the Village Chef and making the purpose of the survey understood

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The Survey SMD in Progress (3)



Looking for one Household to be interviewed

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The Survey SMD in Progress (4)



Household found to be interviewed

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The Survey SMD in Progress (5)



The Interview

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The Survey SMD in Progress (6)



The SMD Team in Sofala

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The Survey SMD in Sofala : Expected Results

- When: July 2005
- What: Comparing the Development Index based on SMD with Baseline Data for the 3 Districts

Background

Current Data Analysis

Survey for GTZ-PRODER

Future Use of Statistics

Base Line:

IAF 96-97
QUIBB 2000
IAF 02-03

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The Survey SMD in Sofala : Expected Tables

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Future Use of Statistics

		IAF 96-97	QUIBB 00	IAF 02-03	SMD
Distrito	Aldeia/Bairro	Poverty Education Health	Poverty Education Health	Poverty Education Health	Poverty Education Health
CHERINGOMA	Regulo Maciambose			25%	
	REGULO CHIDANGA	$\land \land$		22%	
CHERINGOMA			Ma	24%	
GORONGOSA	MATUCUDURE			8%	
	CAVALO			67%	
	Domba			78%	
	Malulo			22%	
	Sixpence			11%	
GORONGOSA				35%	
MARINGUE	Regulo Canxixe			56%	
	Regulo Media	9		78%	
	Regulo Mhachire			33%	
MARINGUE				56%	
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Legend:

Relative Tendency/Saldo (between -100% and + 100%)

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How will the Results look: Ficticious Results SMD on Education Future Use of **Statistics**





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ure Use of

Statistics

Future Tasks

To develop models to find answers to the questions:

- What they are the Indicators of Poverty / Development?
- Other indicators to measure Poverty / Development (Human Development Index / PNUD)
- Which variables are most likely to influence Poverty /Development in the Province
- Monitoring: Measure Results (Performance) of District Development



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What's the conclusion ?

Stats Data on Living Conditions are available at District Level

Analysis and Monitoring of Development at District Level is feasible

Future Analytical Use of Statistical Data on Province Level is recommended

Thanks for your Attention

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