

# Some experiences in Problem Oriented Policing

Claudio Beato



# General overview of police and crime in urban spaces

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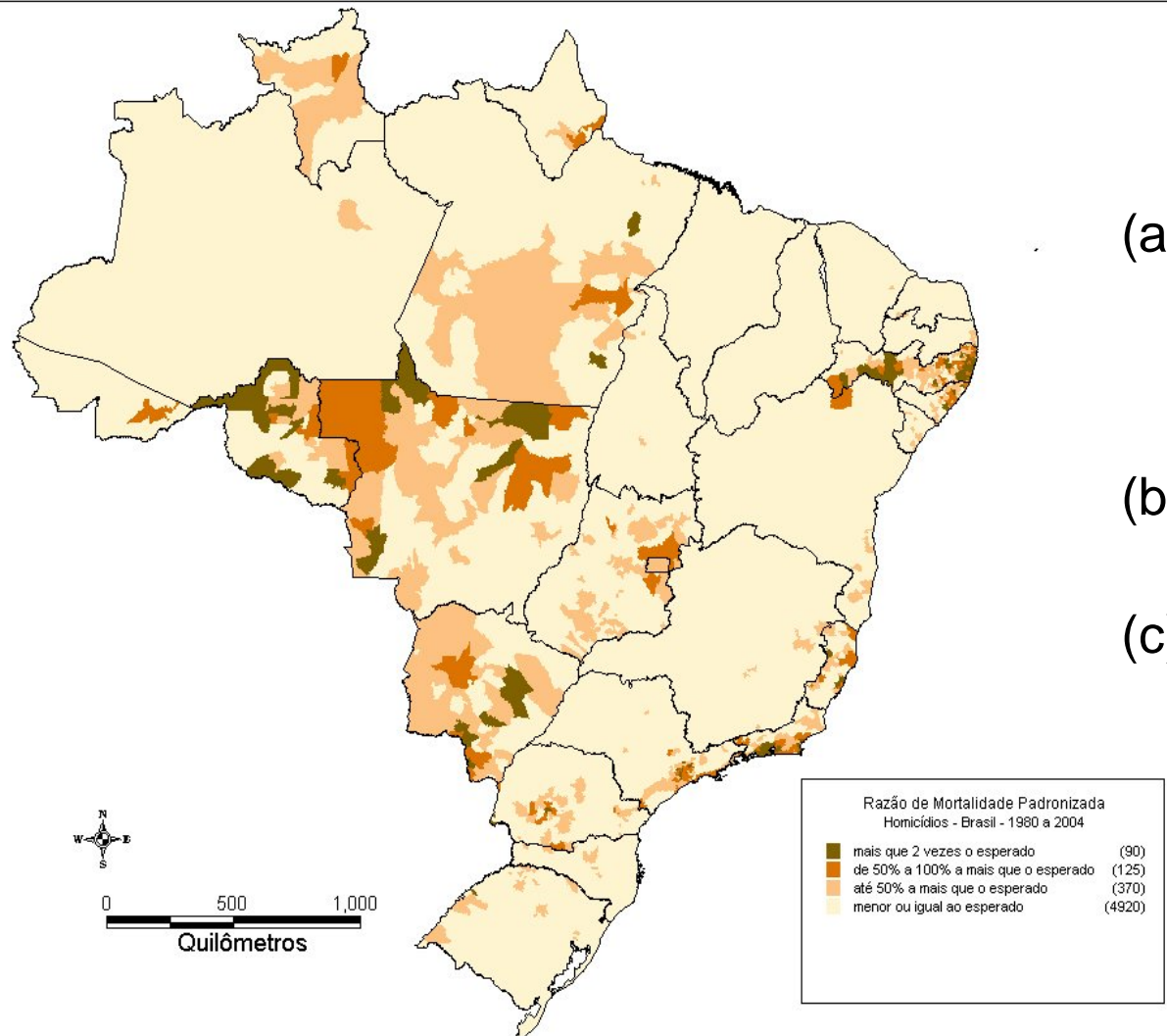
- **Public policy on law and order in Brazil**CB4
  - Urban crime, disorder and governance
  - Urban spaces, exclusion and marginality
  - Police and the state presence in urban areas

CB4

NÍVEL 1

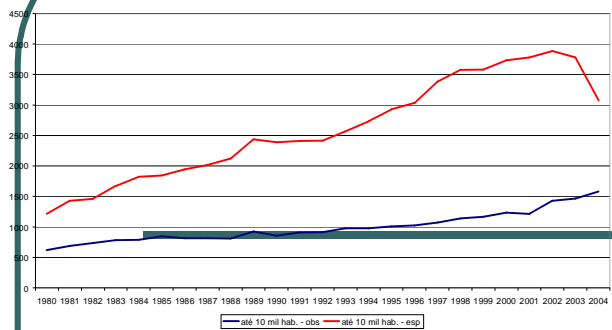
Claudio Beato, 2/17/2005

## Crescimento acima abaixo SMR

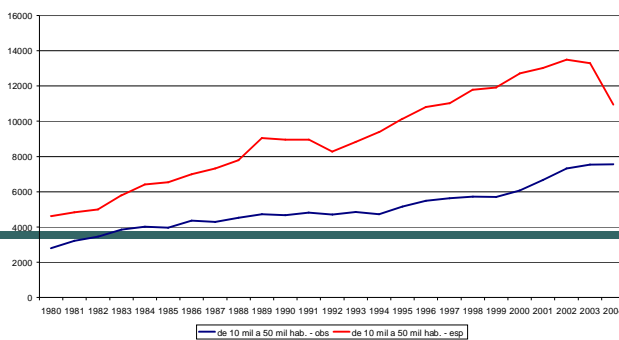


- (a) Rural and traditional violence zones;
- (b) Metropolitan contexts and;
- (c) Expansion areas inside the country.

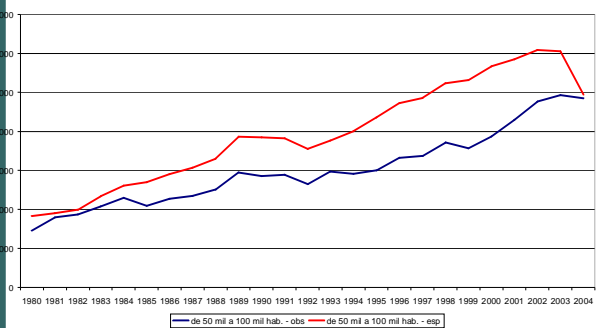
Municípios até 10 mil habitantes



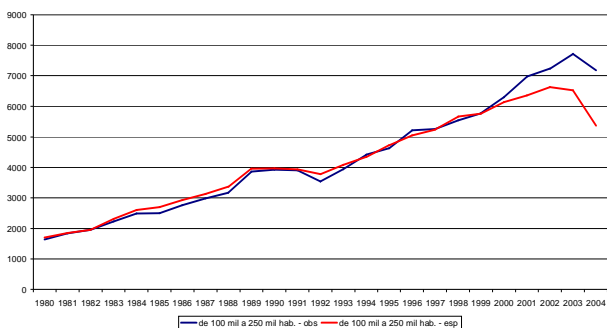
Municípios de 10 mil a 50 mil habitantes



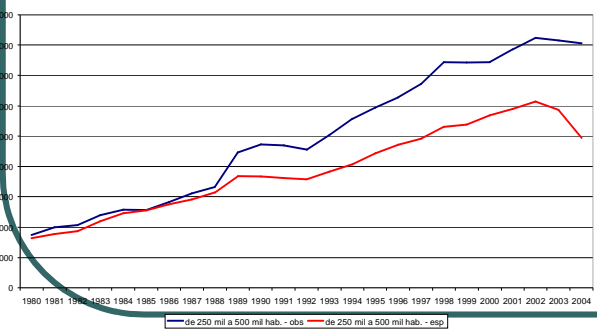
Municípios de 50 mil a 100 mil habitantes



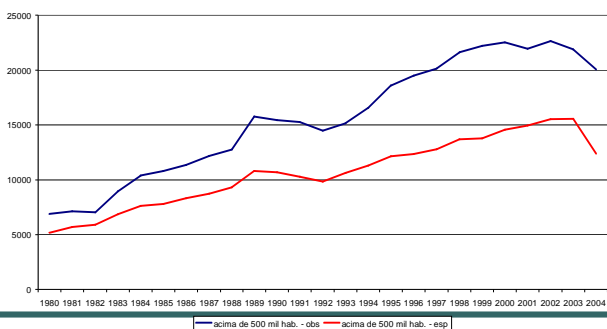
Municípios de 100 mil a 250 mil habitantes



Municípios de 250 mil a 500 mil habitantes



Municípios com mais de 500 mil habitantes



Growth according to the size of the city (SMR)

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- **Police and crime**
    - Are the Police part of the problem or a solution?
    - Police reform, human rights and effectiveness
  - **What is the impact of police on crime rates?**

# Information and knowledge: the basic material to policing

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- POP Policing
- Intelligence led policing
- Community policing

# Importance of information

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- Information is the basic material in the work of the organizations of public security
  - How they produce it,
  - How they organize it,
  - How they make it available and
  - How they use it
- This determines the nature and effectiveness of the activities developed

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Data



Information



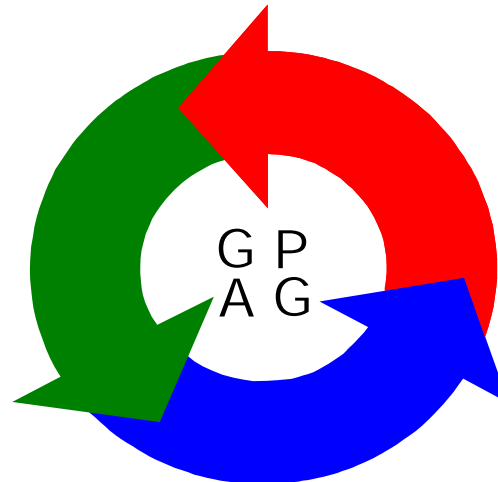
Knowledge

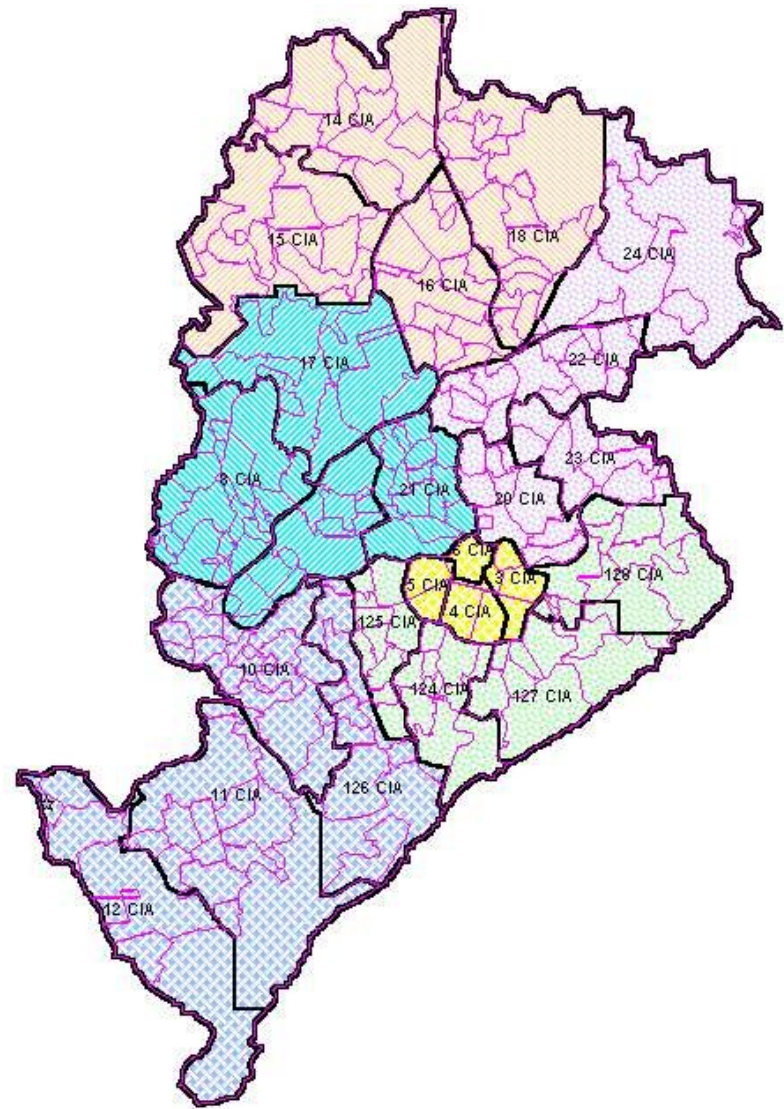
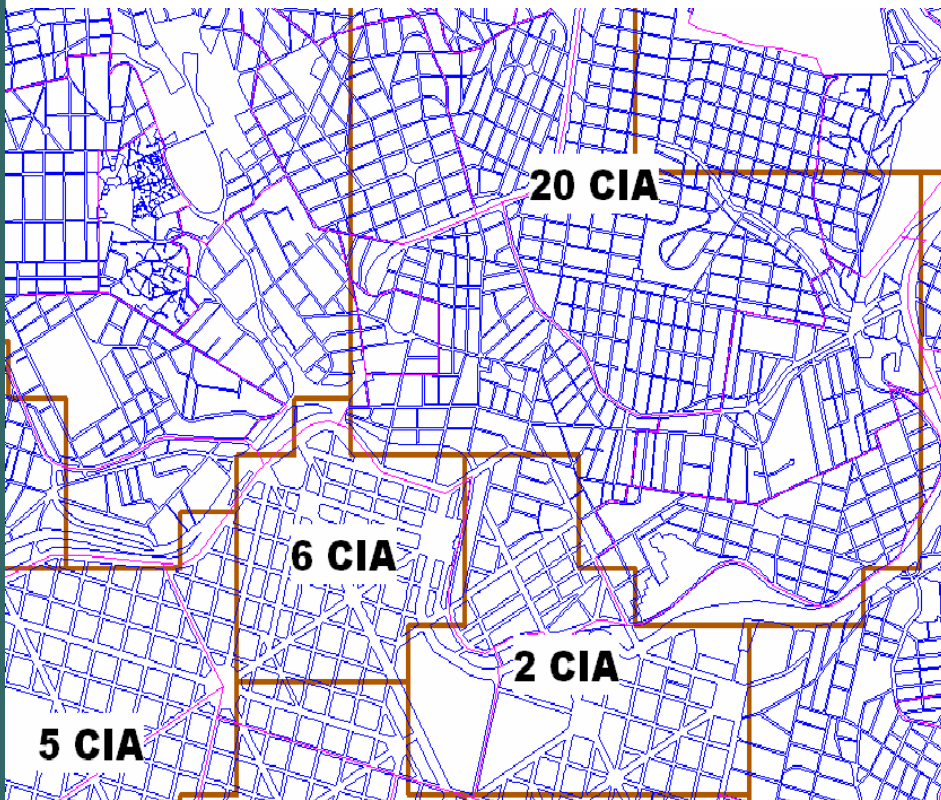
# New Design of geographic police units

GIS Crime Data

SocioEconomic Profile of the Regions

Information Management





# Information Management

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- Databases
  - Maps
- Softwares
  - Terra Crime
- Spatial analysis tools
  - Hotspot Analysis
  - Time-Space alarm system
  - Journey-to-crime
  - Regionalization
- Temporal changes
  - RMA BH 2
- Problem focusing
  - Examples of urban hotspots
  - Examples of hotspots with specific problems
  - Example of homicide hotspots

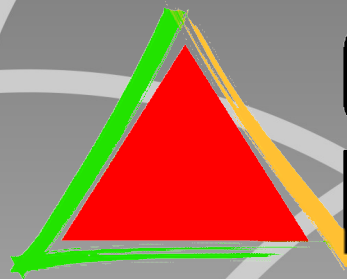
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What about results?

## Three examples

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1. MAPA Project (CRISP and the Polícia Militar de Minas Gerais – Military Police of the State of Minas Gerais)
2. IGESP – Integrated Management
3. Fica Vivo



**GOVERNO  
DE MINAS**

DEFESA SOCIAL

**Integração de Gestão em Segurança Pública**  
**igesp**

An aerial photograph of a city, likely Belo Horizonte, Brazil. The foreground shows a dense, sprawling favela with many small, closely packed buildings. In the middle ground, there are several tall, modern skyscrapers. The background shows a vast, hazy urban landscape extending to the horizon.

# Information management and public security

PROJETO FICA VIVO

**CRISP / UFMG**

# Case study: Fica Vivo

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- Information management in a real case
  - Databasis
    - Spatial analysis
    - Victimization survey
    - Qualitative information
  - Analytical tools
    - Hotspot analysis
  - Theoretical
    - Social desorganization
    - Ecological and oportunities theories
    - Micro level deterrence theory

<i>Núcleos implantados em 2003</i>	<i>Variação 2003/2006</i>
<b>Morro das Pedras</b>	<b>-32.08%</b>
<i>Núcleos implantados em 2004</i>	<i>Variação 2004/2006</i>
<b>Pedreira Prado Lopes (PPL)</b>	<b>-77.05%</b>
<b>Alto Vera Cruz / Taquaril</b>	<b>-46.27%</b>
<i>Núcleos implantados em 2005</i>	<i>Variação 2005/2006</i>
<b>Ribeiro de Abreu</b>	<b>-42.00%</b>
<b>Cabana do Pai Tomaz</b>	<b>-25.00%</b>
<b>Total das áreas BH 2004/2006</b>	<b>-50.70%</b>

# Cost-benefit analysis

Programs	Present value of the cost of the program per beneficiary	Present value of the number of serious crimes prevented per beneficiary	Reais per serious crime prevented	Serious crimes prevented per million Reais
APAC	18417,990,00	0,87	21.109,75	47,37
Patrulha de Prevenção Ativa			6.916,42	
Liberdade Assistida	1.323,68	0,91	1.459,94	684,96
UERÊ	8.184,84	0,45	18.290,73	54,67
Paz nas Escolas	192,23	0,16	1.174,45	851,46
Fica Vivo	1.065,70	1,65	645,69	1.548,73
Bolsa Família	2.594,88	0,23	11.256,15	88,84
PROERD	35,43	0,02	1.682,33	594,42
CEAPA	145,40	-	-	-

Thank You!

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[www.crisp.ufmg.br](http://www.crisp.ufmg.br)