

Slums in Times of Crisis: pre, during and post coronavirus pandemics

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Housing Expert

Programme Manager

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Content

1. Pre-crisis situation
2. During the crisis: zooming-in the reality of a slum in Sao Paulo
3. Post-crisis – ways forward



1.

The Covid-19 crisis causes a deep impact on public health and productive chains and employment:

A profound impact on cities and the life of slum residents.



The city, housing, slums in Times of Crisis

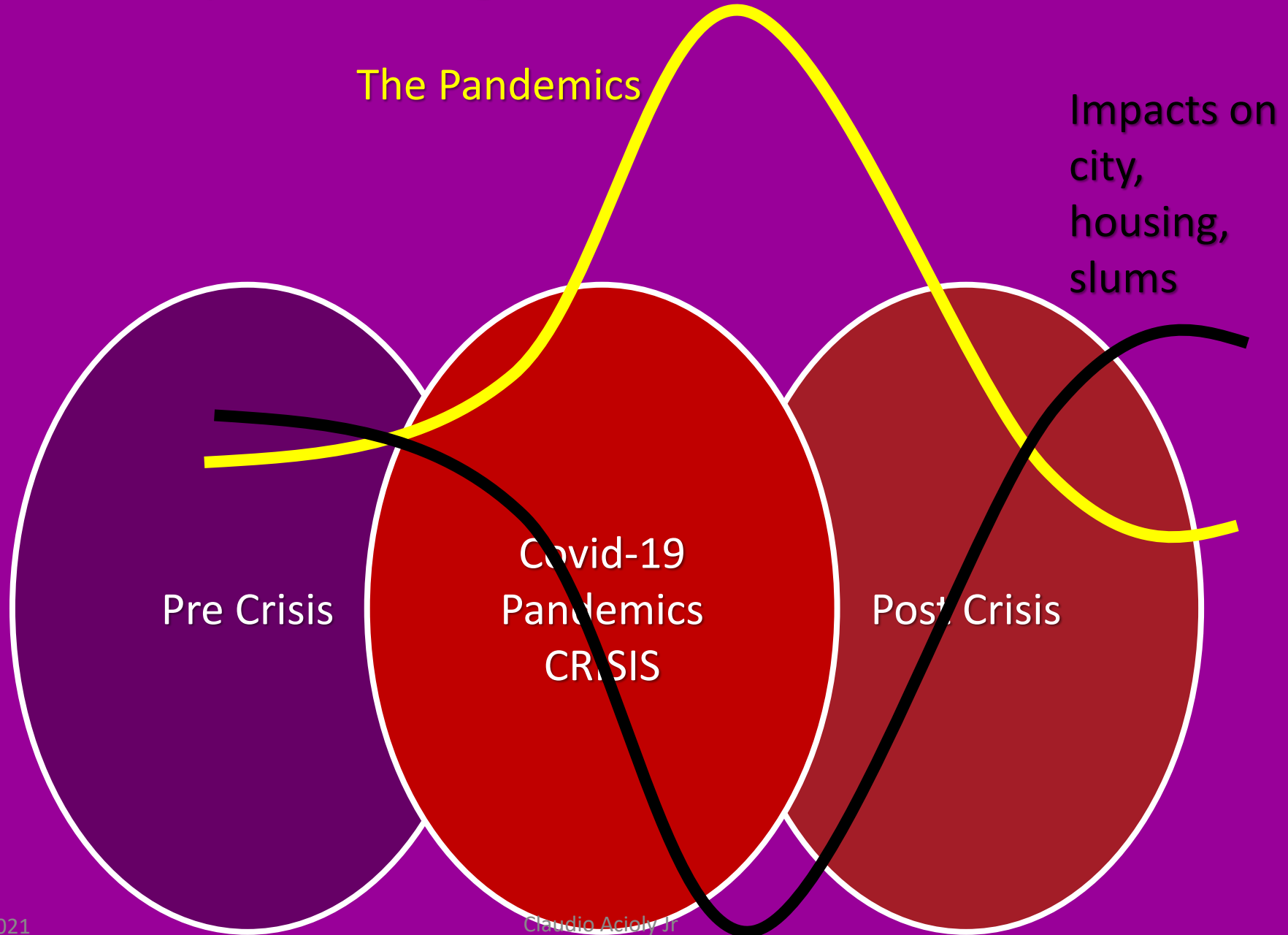
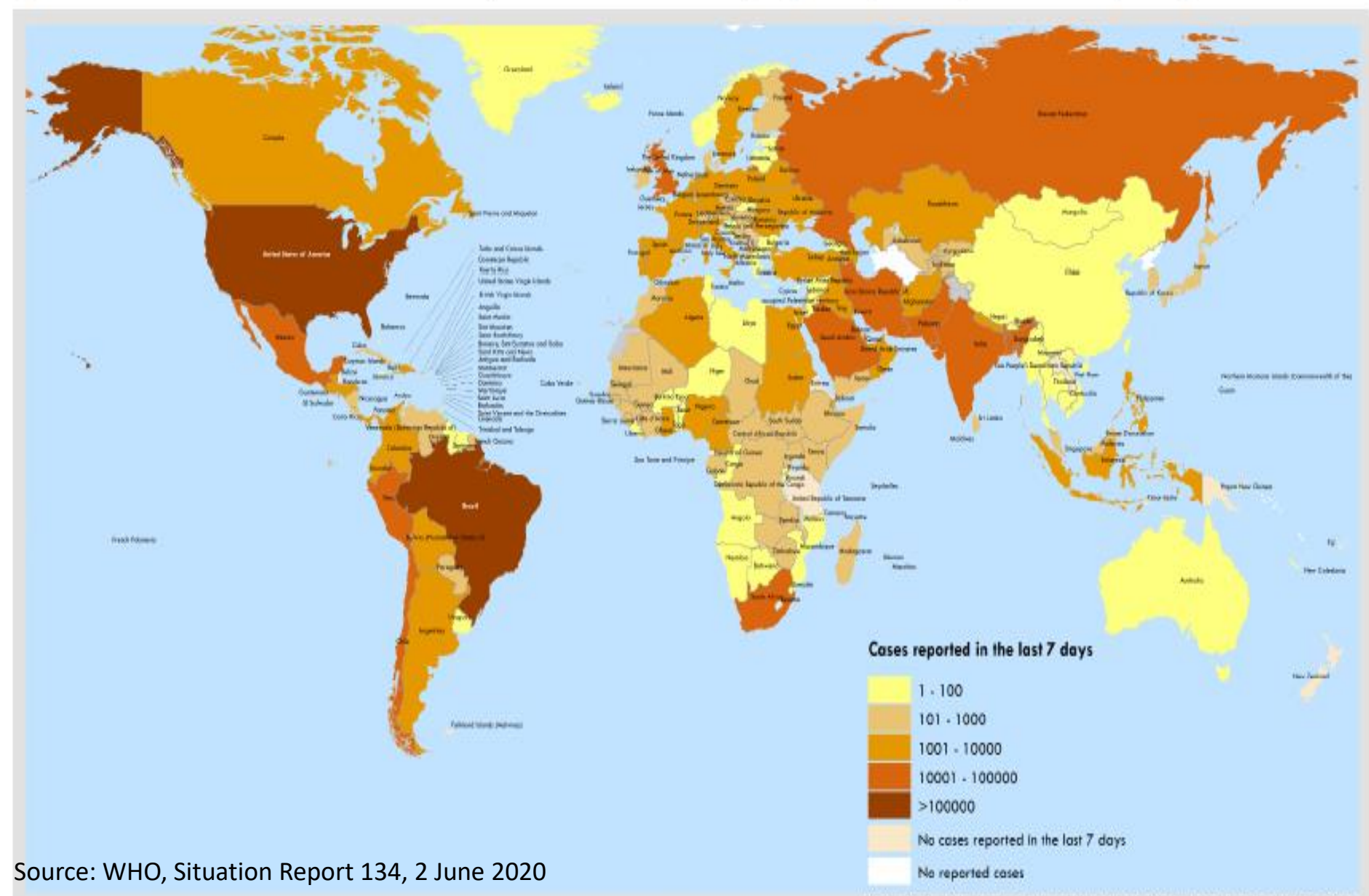


Figure 1. Number of confirmed COVID-19 cases reported in the last seven days by country, territory or area, 27 May to 02 June**



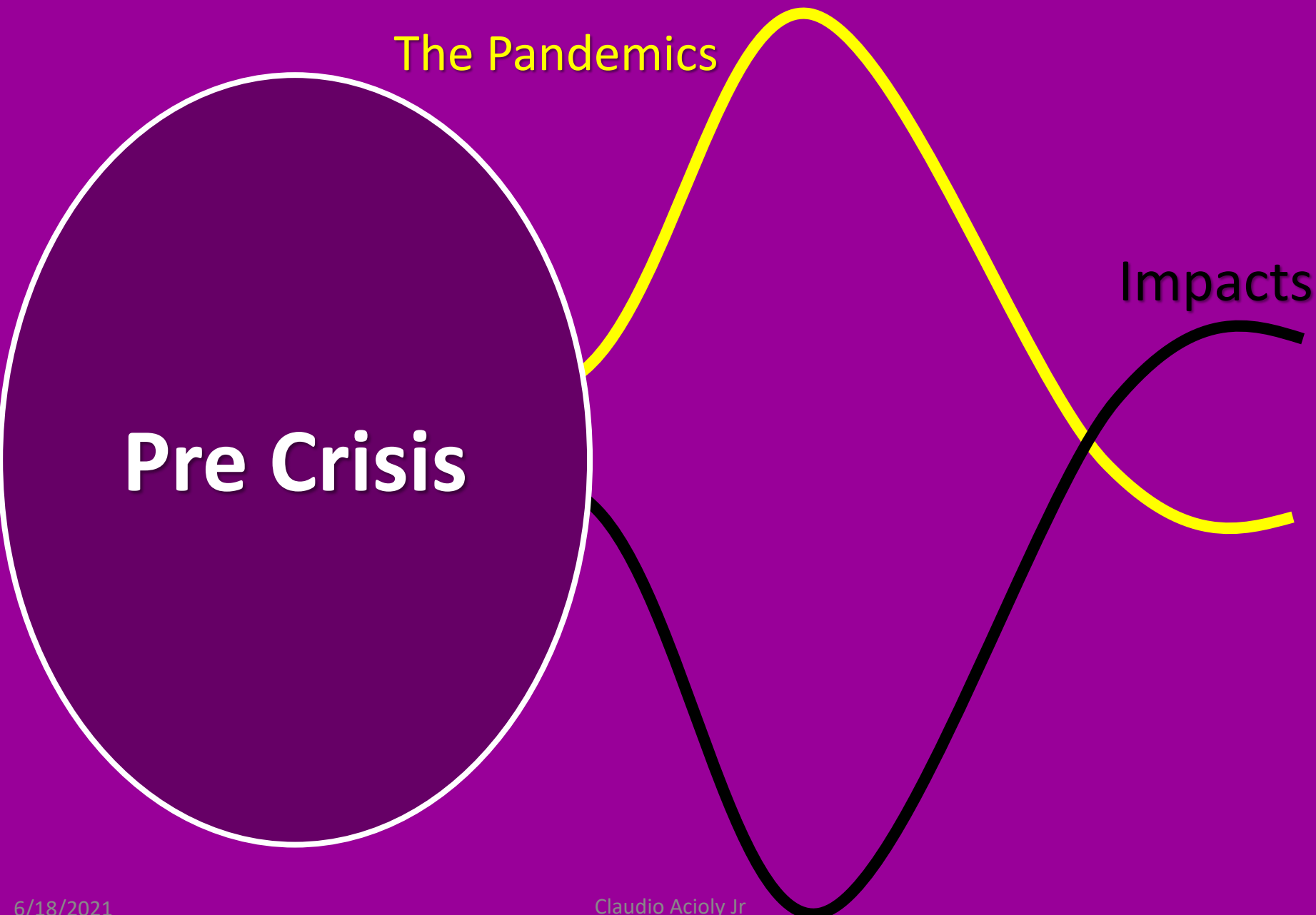
Source: WHO, Situation Report 134, 2 June 2020

Data Source: World Health Organization
 Map Production: WHO Health Emergencies Programme

Not applicable

0 2,500 5,000 km
 © World Health Organization 2020. All rights reserved.

The boundaries and names shown and the designations used on this map do not imply the expression of any opinion whatsoever on the part of the World Health Organization concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. Dotted and dashed lines on maps represent approximate border lines for which there may not yet be full agreement.



Pre Crisis

The Pandemics

Impacts



The Global Sample of 200 Cities

Statistically representing the global urban universe. A Cooperation between UN-Habitat, New York University and the Lincoln Institute of Land Policy.

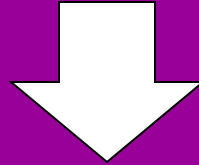
Before the Covid-19 Pandemics

Housing Affordability Crisis

Consistent findings by UN-Habitat Global Sample of Cities, MGI
Blueprint to Address Global Affordable Housing and the Demographia
2019 Survey

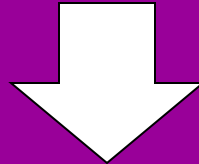
1. Housing not affordable in cities
2. Rent beyond levels of affordability.
3. The housing sector very restricted.
4. Distortions reflected in the space and structure of cities: informal housing, slums, overcrowding, high land price...

Lack of Affordable Housing



1. informal urbanization

2. growth of slums:



1. physical and spatial manifestation in the urban landscape of cities
2. dynamic informal land and housing markets
3. geography of inequality and segregation







Paris, 2017



Paris, 2017



2.



Understanding the contexts and externalities that influence public and private actions:

A crisis, an armed conflict, a epidemiological crisis, a pandemic mobilizes capacities, creativity and transformative solidarity of people to face a common enemy.



The Context

Pre-Pandemics

- Informal Urbanization
- Accessibility & Affordability Crisis
- Residential exclusion
- Informal production
- Vulnerability and precarious housing
- Excluding markets

During the Pandemics

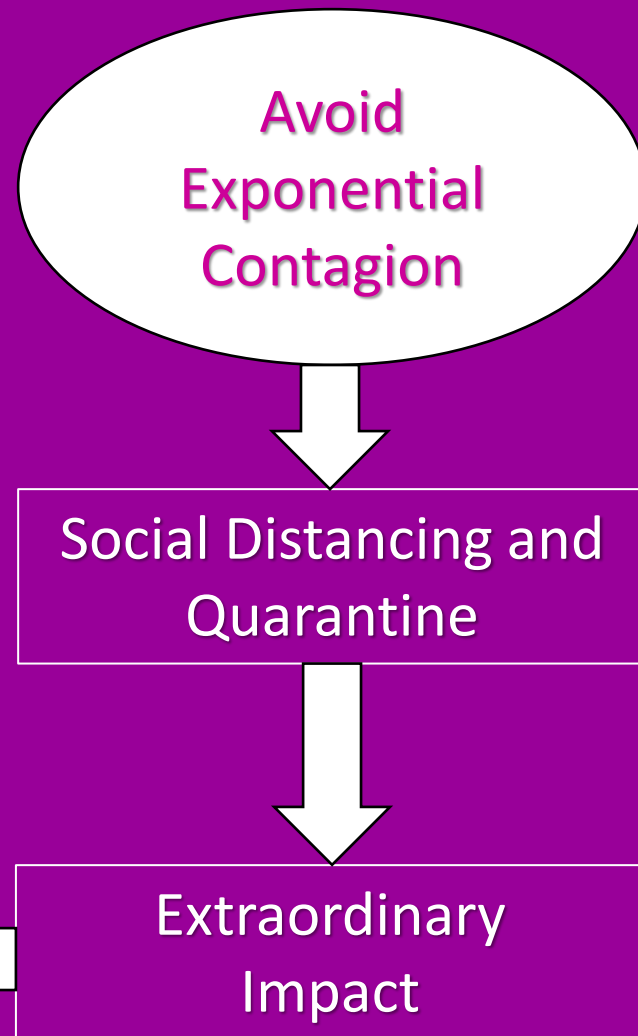
- War regime
- Paralysis of markets
- Supply and Demand in rupture
- Unemployment
- Slum residents in desperate life-threatening situation + virus transmission
- Retraction of investments and retreat of financing

Post-Pandemics



10 points in informal settlements - favelas: challenges and opportunities

1. Agglomeration and economy of scale
2. Density
3. Overcrowded housing
4. Precarious housing
5. Poverty
6. Women-headed households
7. Accessibility due to location
8. Networks of security and solidarity
9. Economic and urbanistic informality: income, job, access to land
10. Insecurity of Tenure



Pre-Pandemics

What problems do we encounter inside the favelas?

- a. Irregular or no income at all
- b. Dependence on school meals to feed the children
- c. Many families in conditions of vulnerability, extreme poverty
- d. Overcrowding at the household level
- e. Pressure for being a tenant paying rent
- f. Dependence on subsidy to meet daily needs ('bolsa familia')

3.



Revisiting my own experience in Guinea-Bissau:

An epidemic of measles taking lives of children under 5 and mothers, with a longitudinal study showing recurrent and worrisome situations in the informal barrios of the city.



Measles Epidemics in a Informal Barrio: housing, density, morbidity and mortality



Response to the Epidemic

Practices and Habits

Preventive Measures within the private space of the household and the context of the housing unit

Short-term

Decrease Overcrowding

Housing Policy Measures to foment housing supply in scale, diversity and access to planned serviced land

Mid and Long-term

Goal is to decrease and end the transmission and contamination

4.



Favelas in Brazil in a nutshell:

An economy of US\$24 billion and a population of nearly 14 million people (nearly double the population of Sweden).





Rio de Janeiro, Brasil

6/18/2021

Claudio Acioly Jr

23

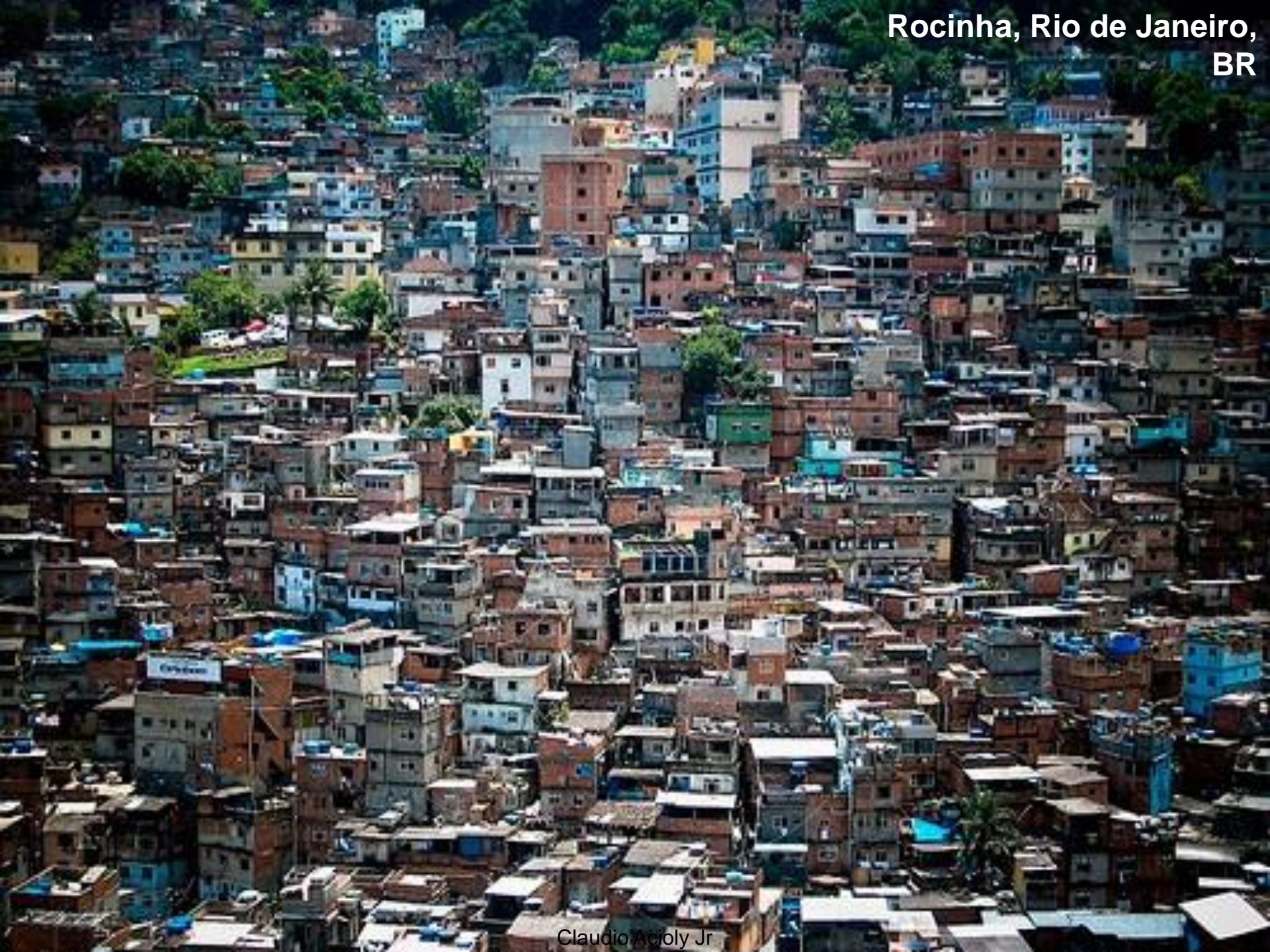


Brazil

Favelas: some facts and figures 2019

- a. 13,6 million people living in favelas;
- b. 89% located in state capitals and metropolitan areas;
- c. 67% of favela residents are of African origins
- d. 49% of households are headed by women.
- e. Favela residents mobilize 24 USD Billion annually
- f. Only 2 out of 10 residentes manage to have a financial reserve;

Rocinha, Rio de Janeiro,
BR





Brazil

Favelas: some facts and figures 2019

- g. Favela residents are genuinely entrepreneurs
- h. 64% of residents believe that life will be better as a result of their own personal effort and initiatives
- i. In 2013, 94% of residents gave a score of 8 to 10 for their happiness, but in 2019 it fell to 74%.
- j. 87% of adults access the internet at least once a week and 97% of the youth access it regularly.
- k. 31% of residents do not have a bank account.
- l. 39% buys through the internet but only one third manage to receive the goods at home.

5.



Informal Settlements and neighbourhoods of self-built socially produced housing:

Quarantine and social distancing measures deeply affecting income, food security, safety nets and solidarity and surviving strategies.



Paraisópolis, facts and figures

- 2nd largest favela of São Paulo and 5th of Brazil
- 10 km² de área
- 100,000 inhabitants
- 21,000 housing units
- 12,000 residents are illiterate or nearly-illiterate
- 31% of the population between 15 and 29 years old
- 42% of families are headed by women
- Average income of 87% of heads of households: up to US\$ 627,00
- 21% of the employed population works in the local commerce
- Approximately 10,000 local shops





Favela Paraisopolis, Sao Paulo, Brazil







Photo: Tuca Vieira

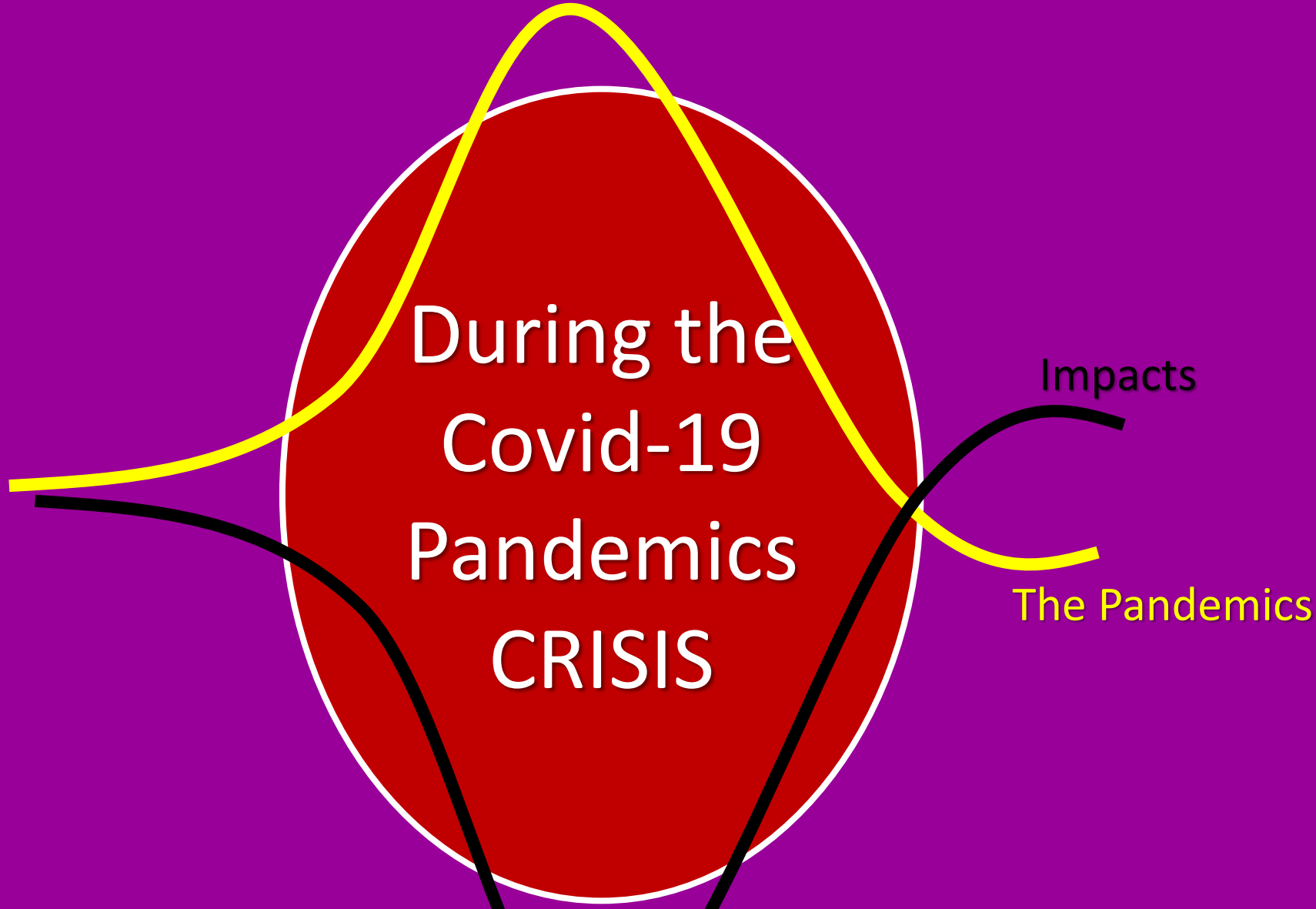












During the
Covid-19
Pandemics
CRISIS

Impacts

The Pandemics

Paraisópolis

Challenge during the Covid Crisis:

a densely occupied community in an area of 10 Km² with more than 100,000 residents who needs to seek their income outside their settlement to pay his/her rent and put food on the table.

Community-based and self-organizing response

- Leadership (Gilson Rodrigues, coordenador national G10 Favelas)
- Technical Support (Faculty of Medicine of Eistein Hospital, Syrian-Lebanese Hospital and the NGO Partners in Education)





Aerial View of Paraisópolis

<https://www.shutterstock.com/video/clip-1024057559-s%C3%A3o-paulo--brazil---01262019-aerial>

Paraisópolis

10 points: Approach and Solutions

1. Every Street an elected president (voluntary): 50 houses
2. Inventory and household survey by the president to define the health status of household members and decide on the need of rapid medical response
3. One Coordinator of the President of the Street: organize, information Flow, coordinate actions
4. Rapid Emergency whatsapp system
5. Prepare rapid response with volunteers

Paraisópolis

10 points: Approach and Solutions

6. Two schools vacant due to pandemics/quarentine transformed into isolation lodge with capacity to accommodate 500 people to avoid contamination of family
7. Three (3) private ambulances contracted by the community-based organization (R\$6,000/month)
8. Seven (7) health professionals contracted by the CBO on a 24 hours duty
9. Training of 240 residents in first help assistance
10. Support and trainers by the Fire Brigade



MAES DA FAVELA PROGRAMME

Mothers of Favelas Programme

www.maesdafavela.com.br

- a. Implemented by the CUFA-Central Unica das Favelas
- b. Support to mothers in two ways:
- c. The Digital basic food basket: 80,000 delivered to date
- d. The Basic Food basket delivery: 601,240 delivered to date
- e. Number of people involved in delivering: 65,000
- f. Number of favelas as recipients: 5,000 favelas
- g. Partnership with private companies (IT and Digital Identification)
- h. Donations goods/food from different companies
- i. Local leaders and community volunteers assembling and distributing into the communities



Mothers of the Favela









#favelacontraovirus

maesdafavela.com.br

brating Nairobi... Google theVideomate Best video downloa... Mario LollyGame Suggested Sites Imported From IE Facebook lightningnewtab

Fundo solidário COVID-19 para Mães das Favelas
COVID Solidarity Fund for the Mothers of Favelas

QUERO DOAR AGORA

Total arrecadado até o momento

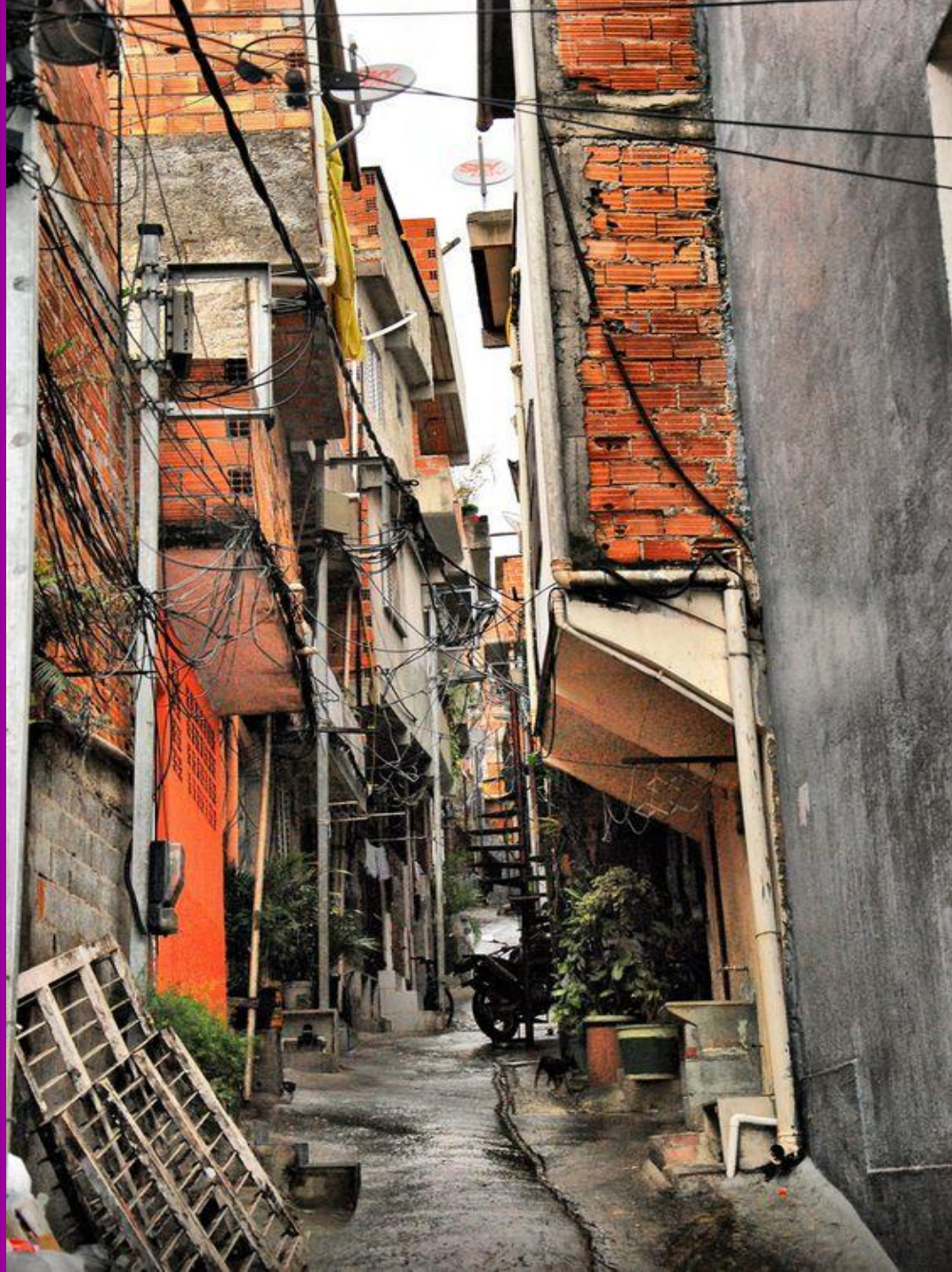
R\$ 11.354.432,62

Vales-Mãe de R\$120,00: 94.620

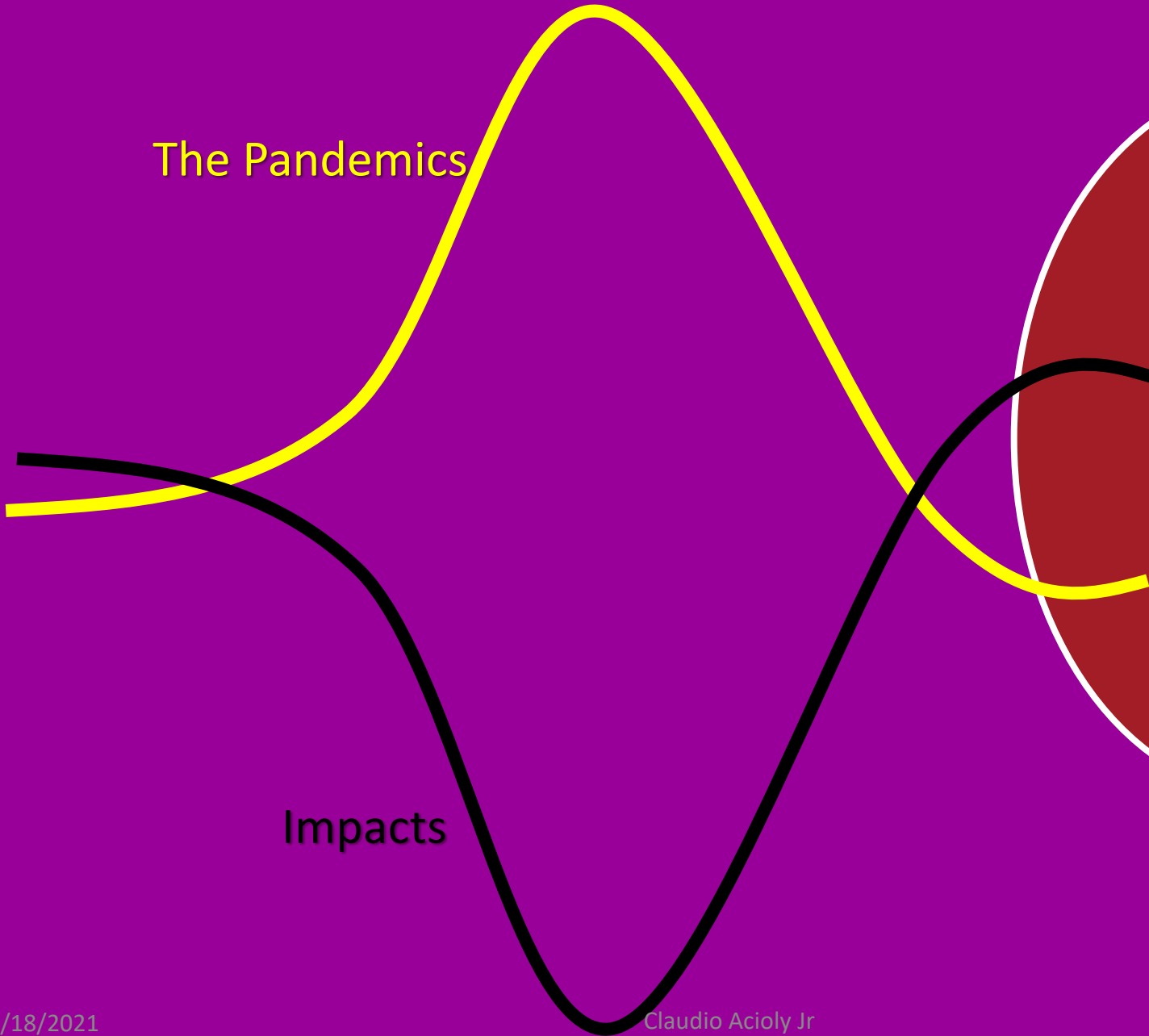
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Empresas Parceiras

Claudio Acioly Jr



The Pandemics



Post
Crisis

Impacts

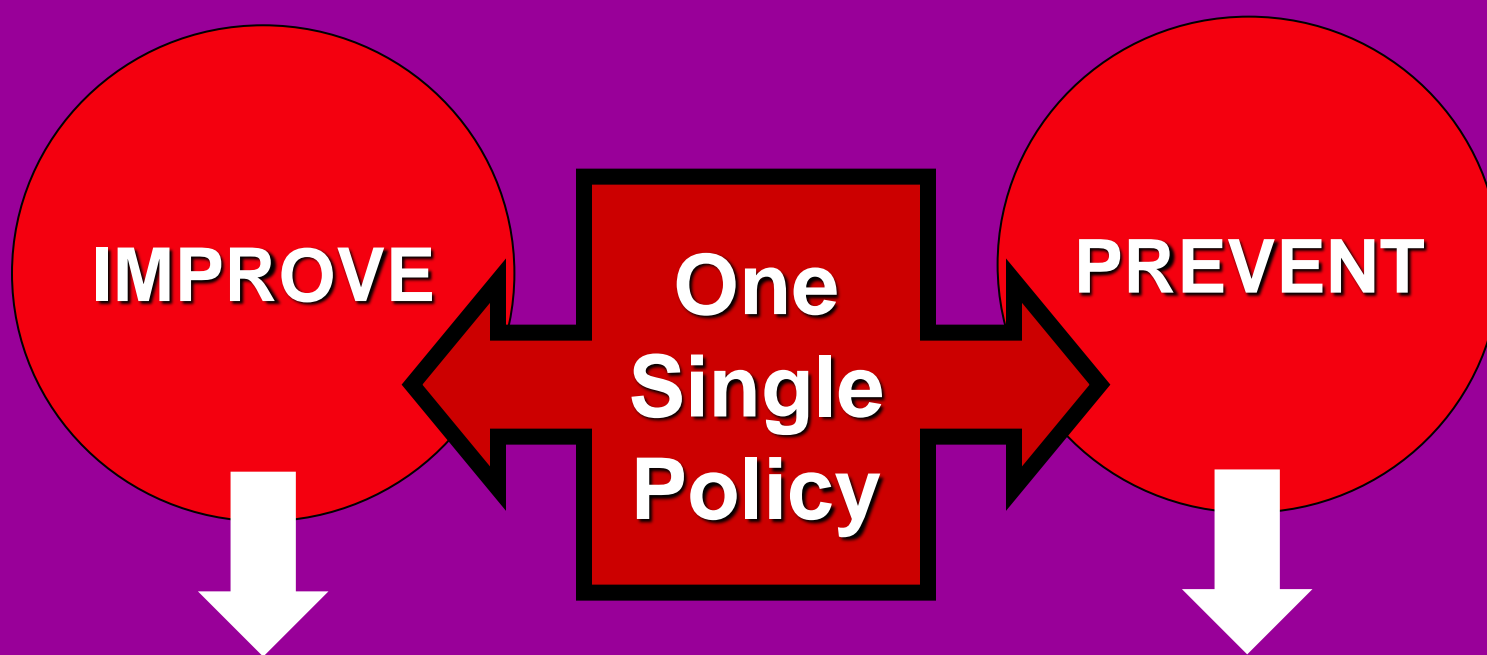


6.

The post-crisis period can become a transformative opportunity:

Take advantage of the collapse of various systems to restart recovery in different forms of production and accessibility to housing and its attributes under a social pact amongst the various private and public stakeholders which includes full integration and upgrading of slums.





1. Citywide approach
2. Social pact
3. A deep dive into the settlements
4. Consider all options to fully integrate slums into the city: upgrading, redevelopment, demolition

1. Affordable housing options
2. Scale and diversity
3. Supply of serviced land at scale
4. Fiscal instruments to generate continuous funding
5. Infrastructure investment

7.



The Twin-track approach:

Citywide slum upgrading is implemented simultaneously to policies that bring housing opportunities to scale.



SLUM UPGRADING

SLUM PREVENTION

Components of the Improvement Strategies

Housing & Urban Policies

Slums

Slums

New Housing

Existing Housing

Opening Streets

Land supply

Infrastructure provision

Planning for Growth

Settlement planning

Infrastructure Investment

IMPROVE

PREVENT

Land regularisation

Housing Finance

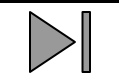
Housing improvement

Regulatory Reforms

etc.

Building Industry Capacity

One Single Policy



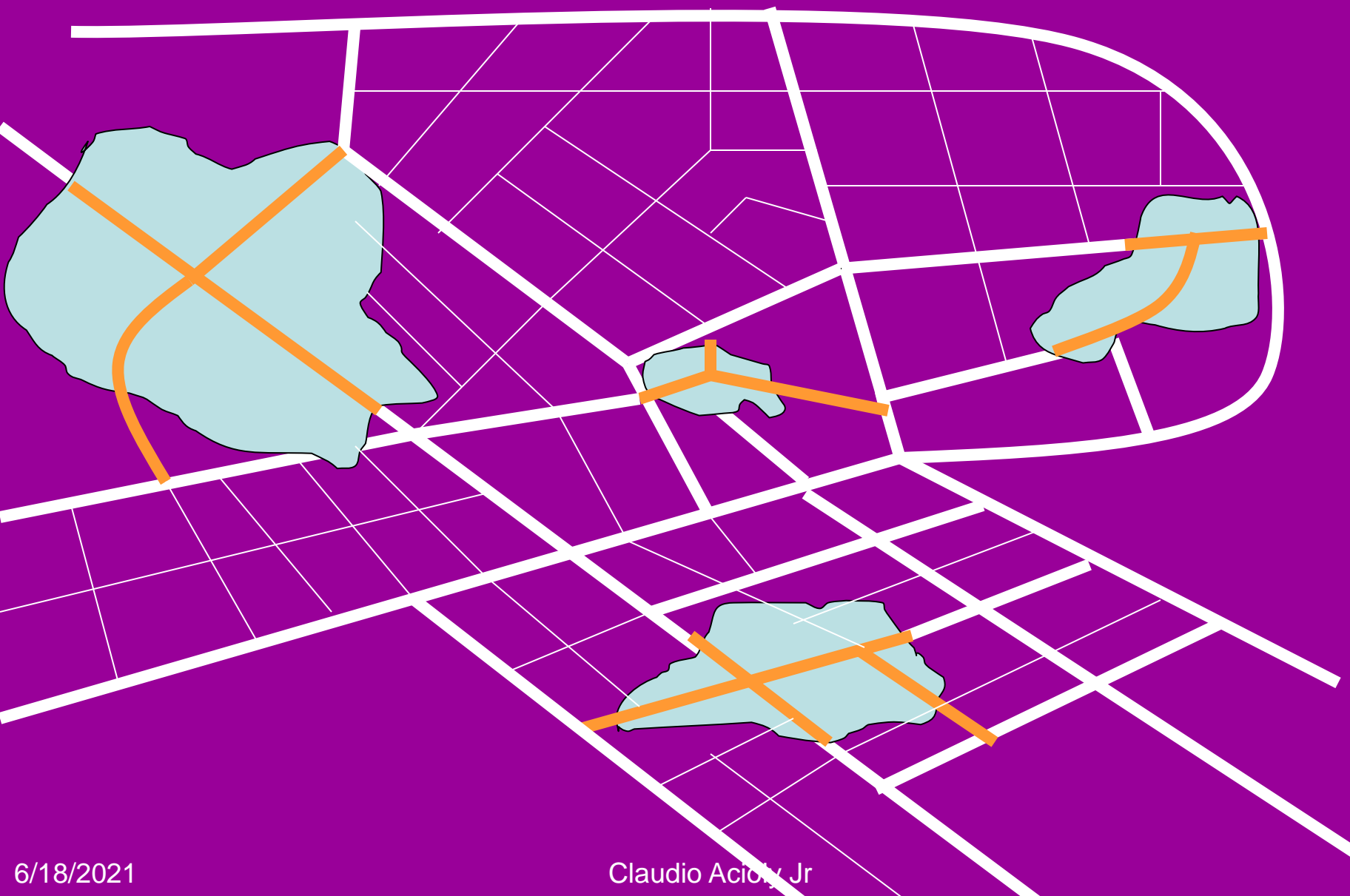
8.

Street-led citywide Slum Upgrading:

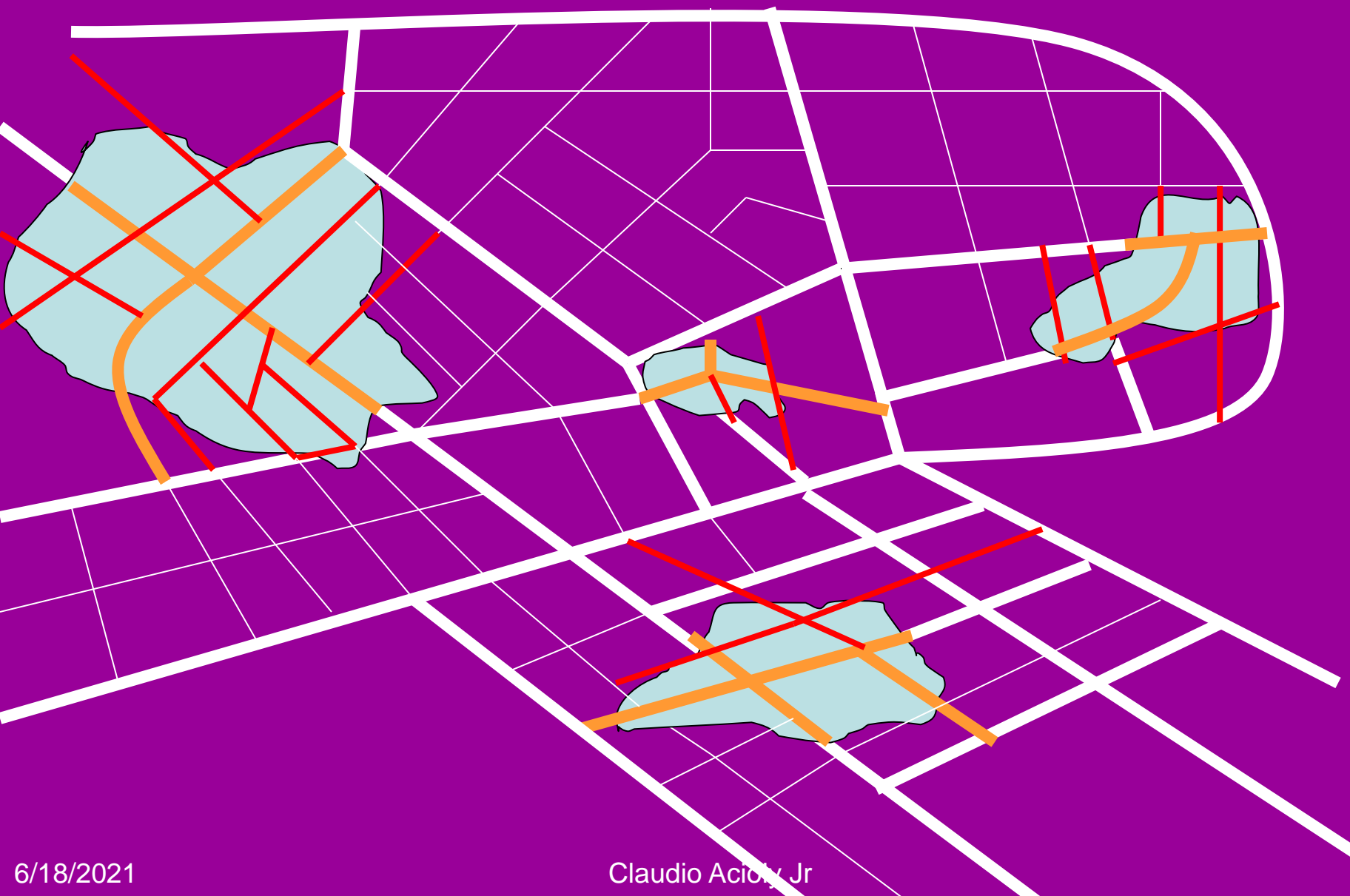
A gradual process of street-making and the execution of the area-based plan that enables an optimal use of scarce resources.



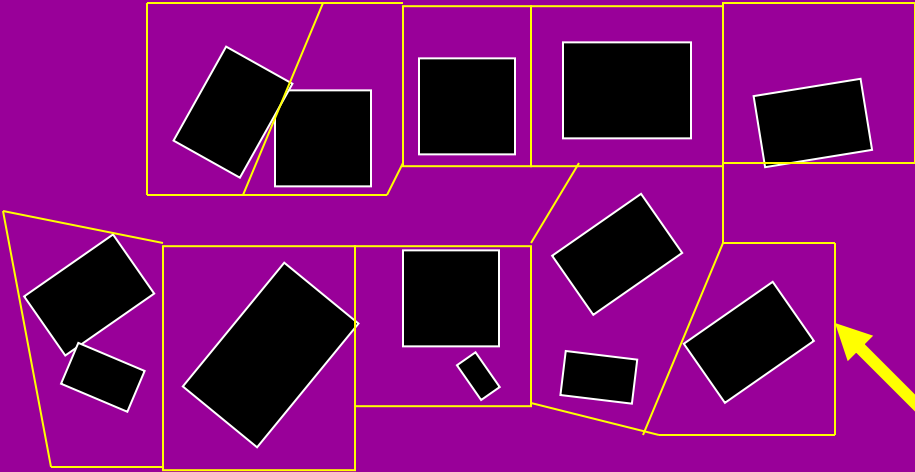
Street-led Citywide Slum Upgrading



Phased Approach to Street-making

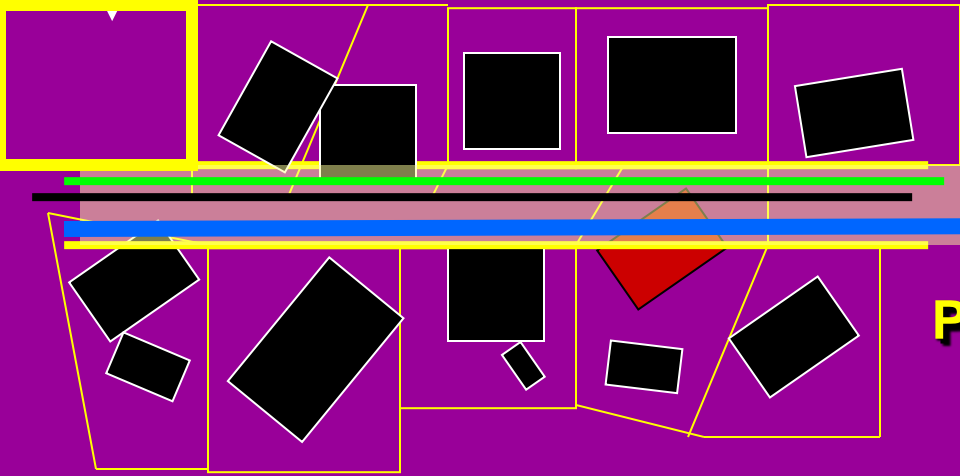


Getting the Planning right



Defining the existing and future private domain – housing unit + land parcel

Demolition & Relocation

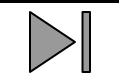


Infrastructure Networks

Public Domain

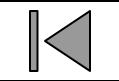
Private Domain

Gaining space/land for infrastructure provision



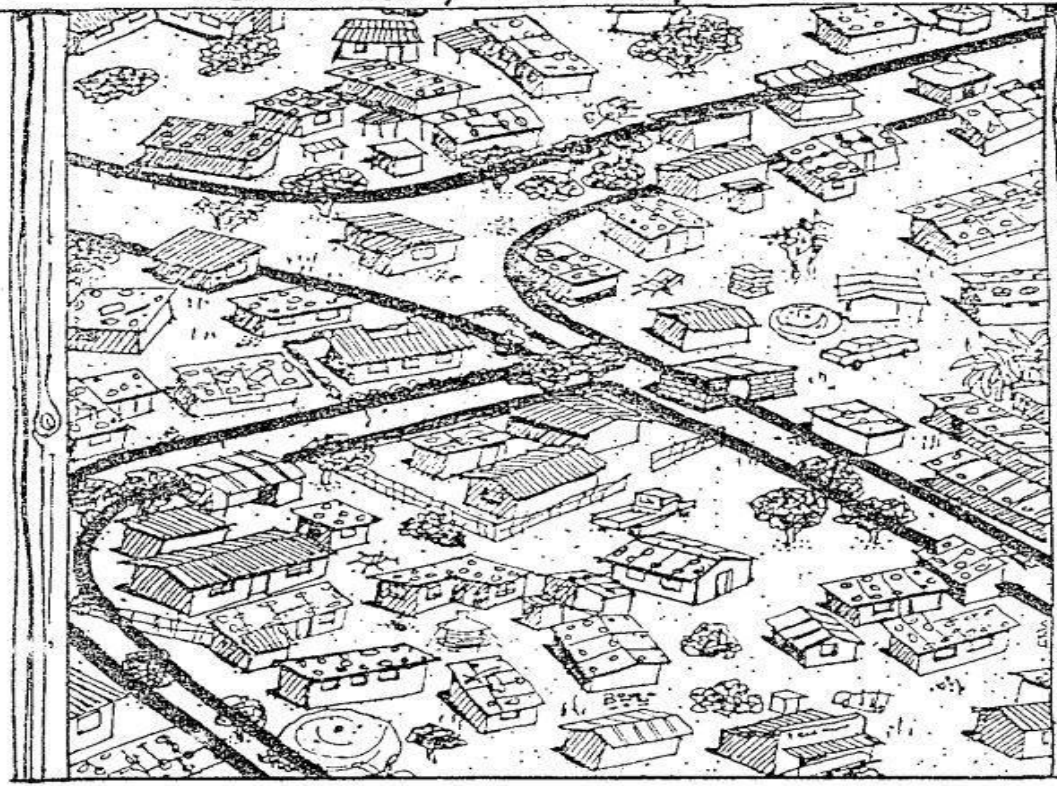
The Lusaka Slum Upgrading and Sites & Services Project, Zambia:

Pioneering the planning & regularisation of informal settlements in Africa using street-based planning teams



PLANNING OUR OWN ROADS

— Community Participation —



DIRECTED BY: SJOERD NIENHUIS. CTA . UNCHS.

OFFICE OF THE PRIME MINISTER
 DECENTRALISATION DIVISION
 Chalimbana Training Institute
 LUSAKA P.O. BOX 50027
 ZAMBIA

Drawings by:
 Les Eliphas
 APRIL 1990



Plate 3.2 The Road Planning Group, together with community development staff and technical advisers, walks along a potential route for a road in Lusaka.

Source: Martin, R.J. 1983. Upgrading. In Skinner and Rodell (eds) *People Poverty and Shelter: Problems of Self-help Housing in the Third world*. 1983:251-78.



Plate 3.3 The Road Planning Group's proposals are put down on paper and discussed before a final commitment is made. Here they are shown being presented by the chief engineer, the architect and the chief community development officer.

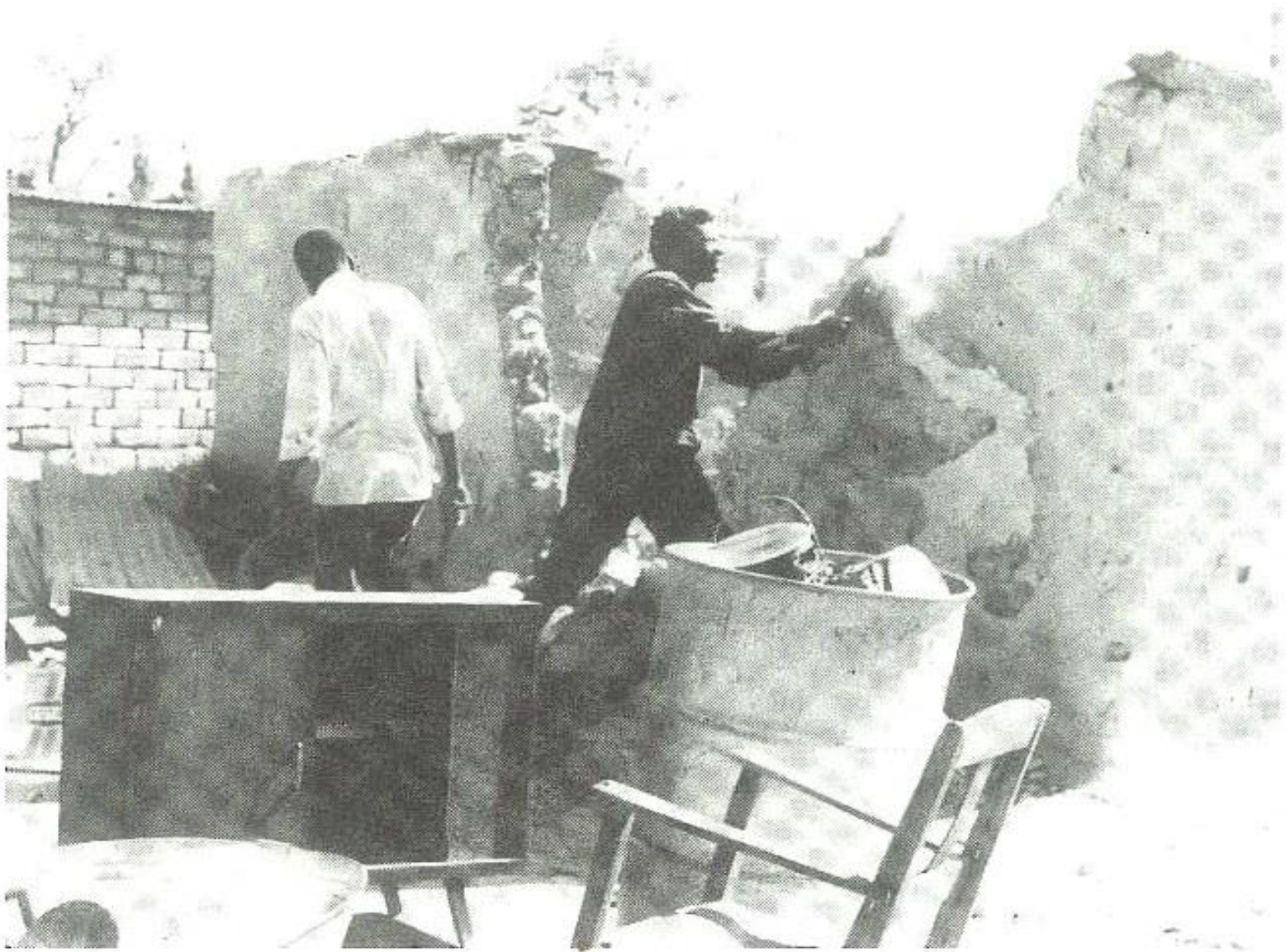


Plate 3.4 One of the consequences of participation in decision-making. Residents demolished their own houses, almost for the fun of it. No one had to be evicted by force.

Source: Martin, R.J. 1983. Upgrading. In Skinner and Rodell (eds) *People Poverty and Shelter: Problems of Self-help Housing in the Third world*. 1983:251-78.

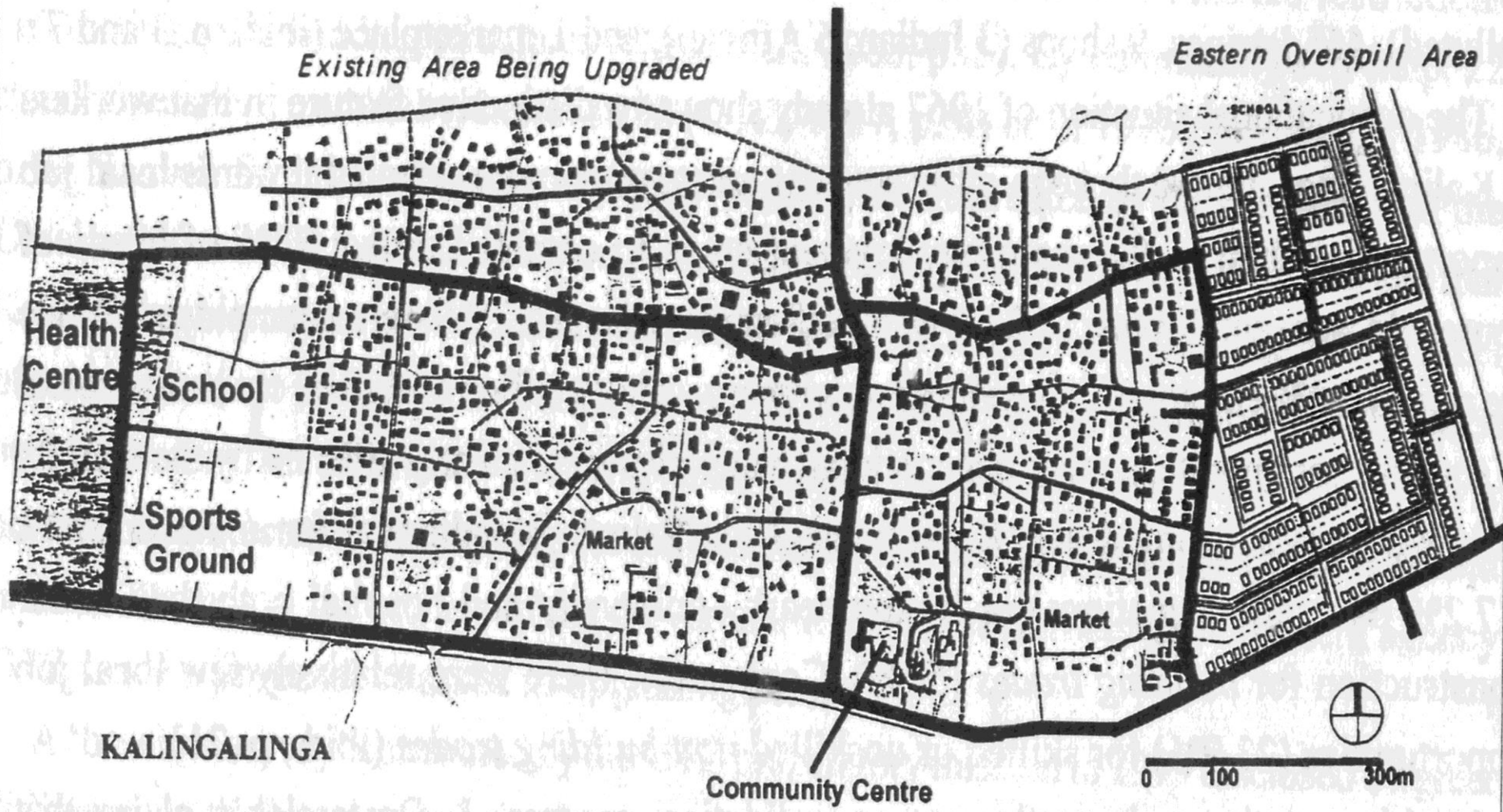
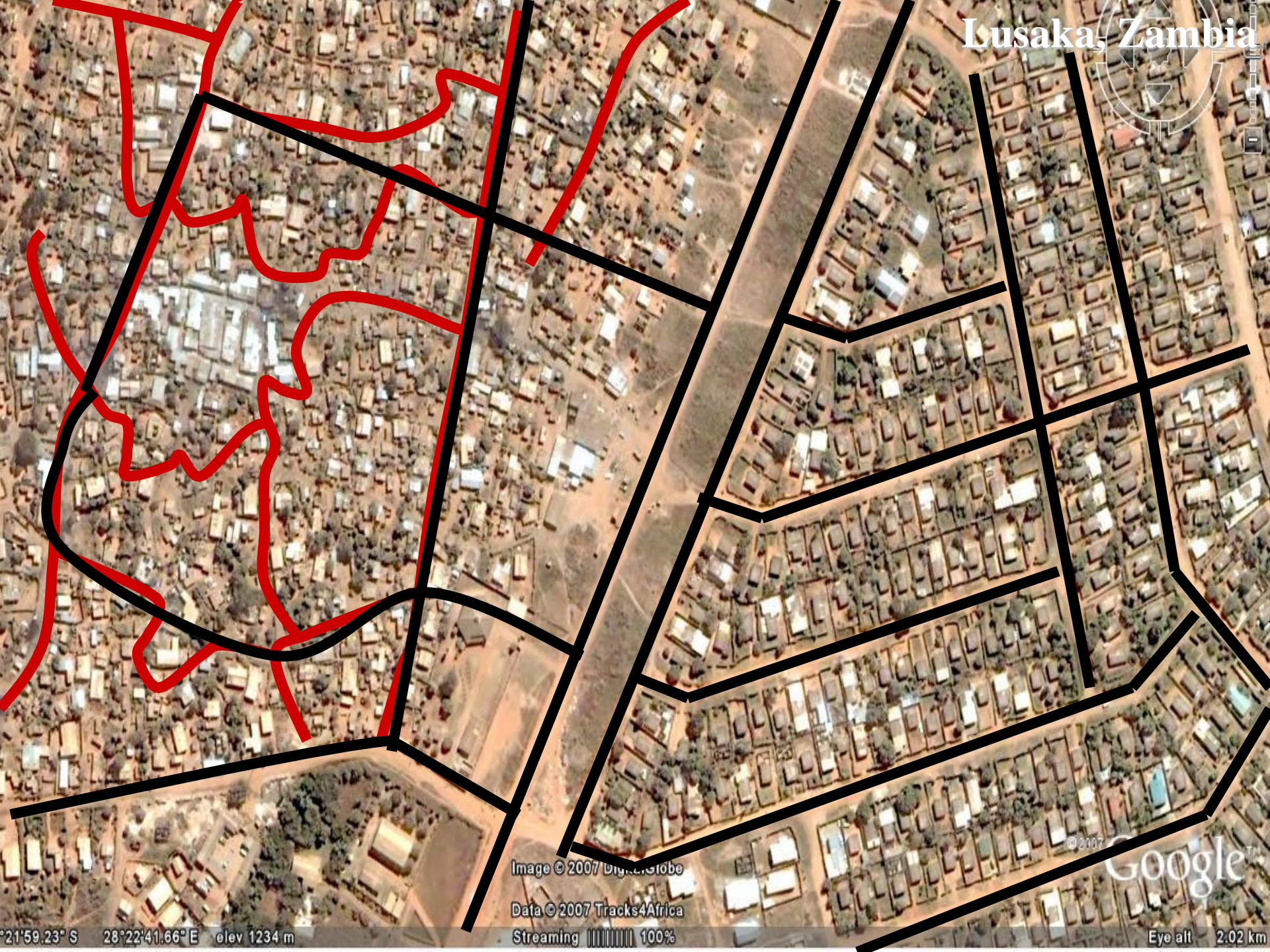


Figure 11.1 Map of Kalingalinga

Source: GRZ Survey Department and Goethert/Oestereich, 1987

Lusaka, Zambia



21°59.23' S 28°22'41.66' E elev 1234 m

Image © 2007 DigitalGlobe

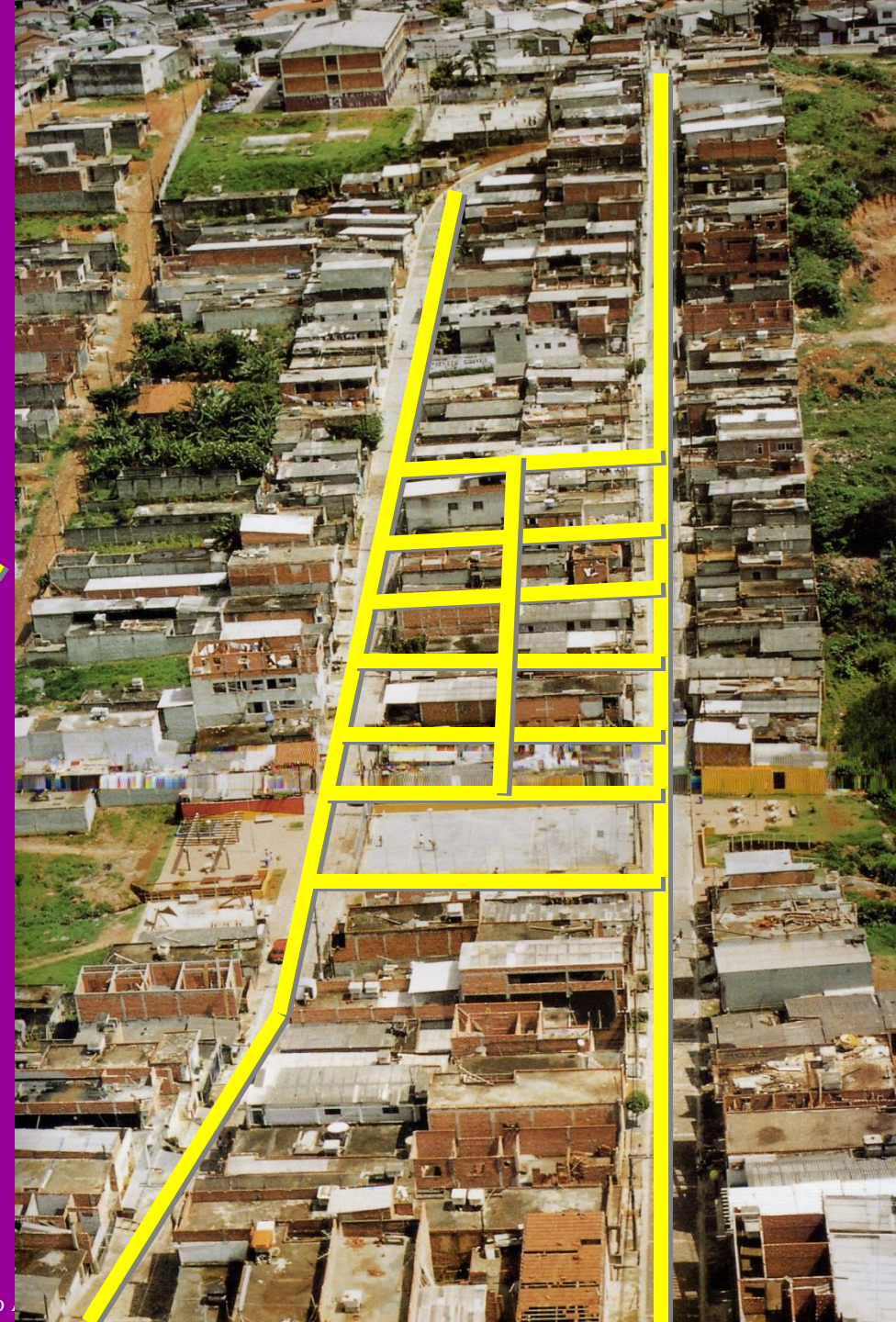
Data © 2007 Tracks4Africa

Streaming 100%

© 2007 Google™

Eye alt 2.02 km

São Paulo, Brazil







Mercedinho SACOLAO

FRUTAS LEGUMES VERDURAS TEMPEIROS



Supermercado Florial

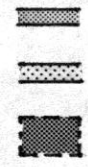
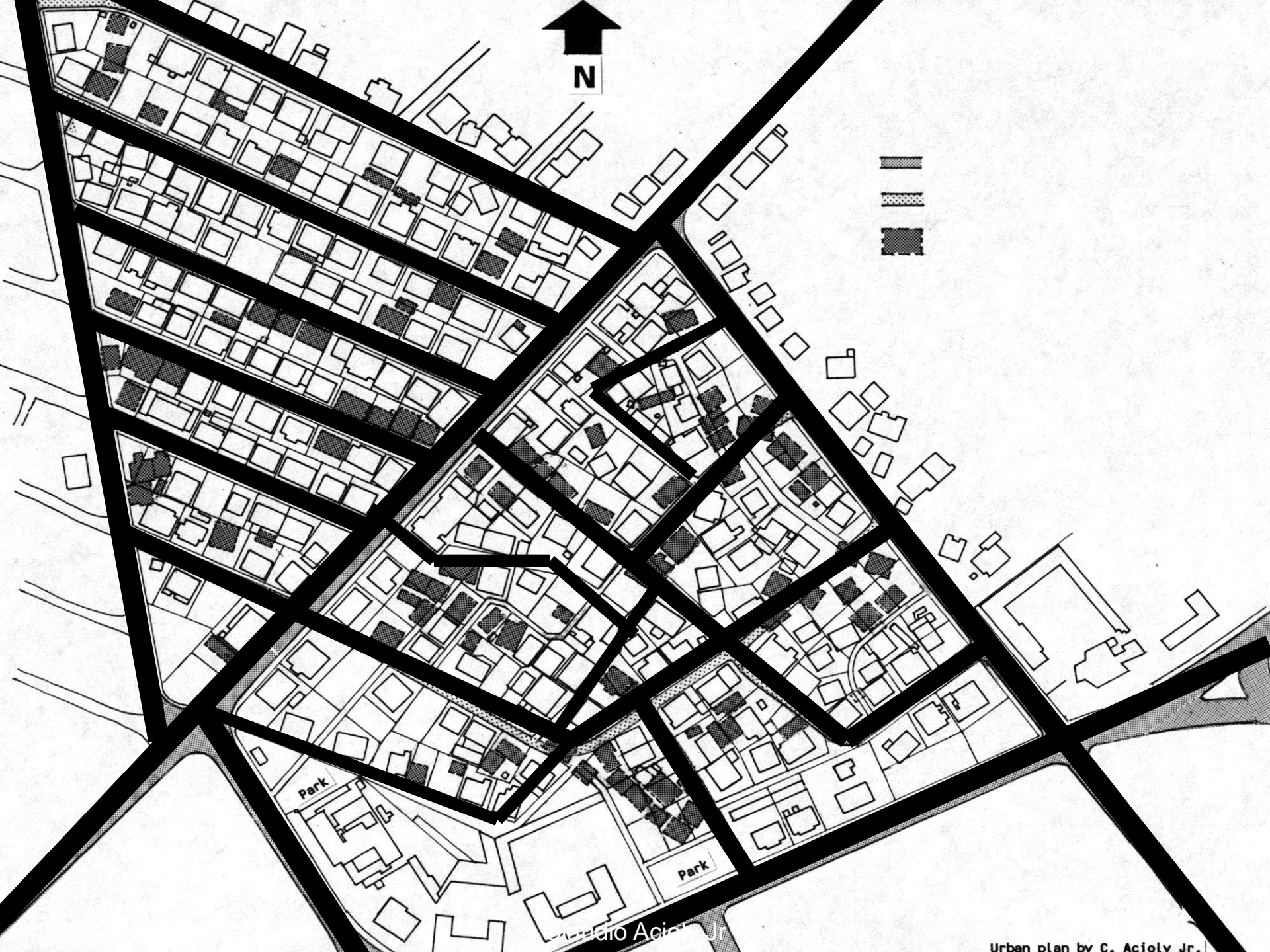
Compre com Visa e Visa

LIQUIGÁS





Bissau, Guinea-Bissau

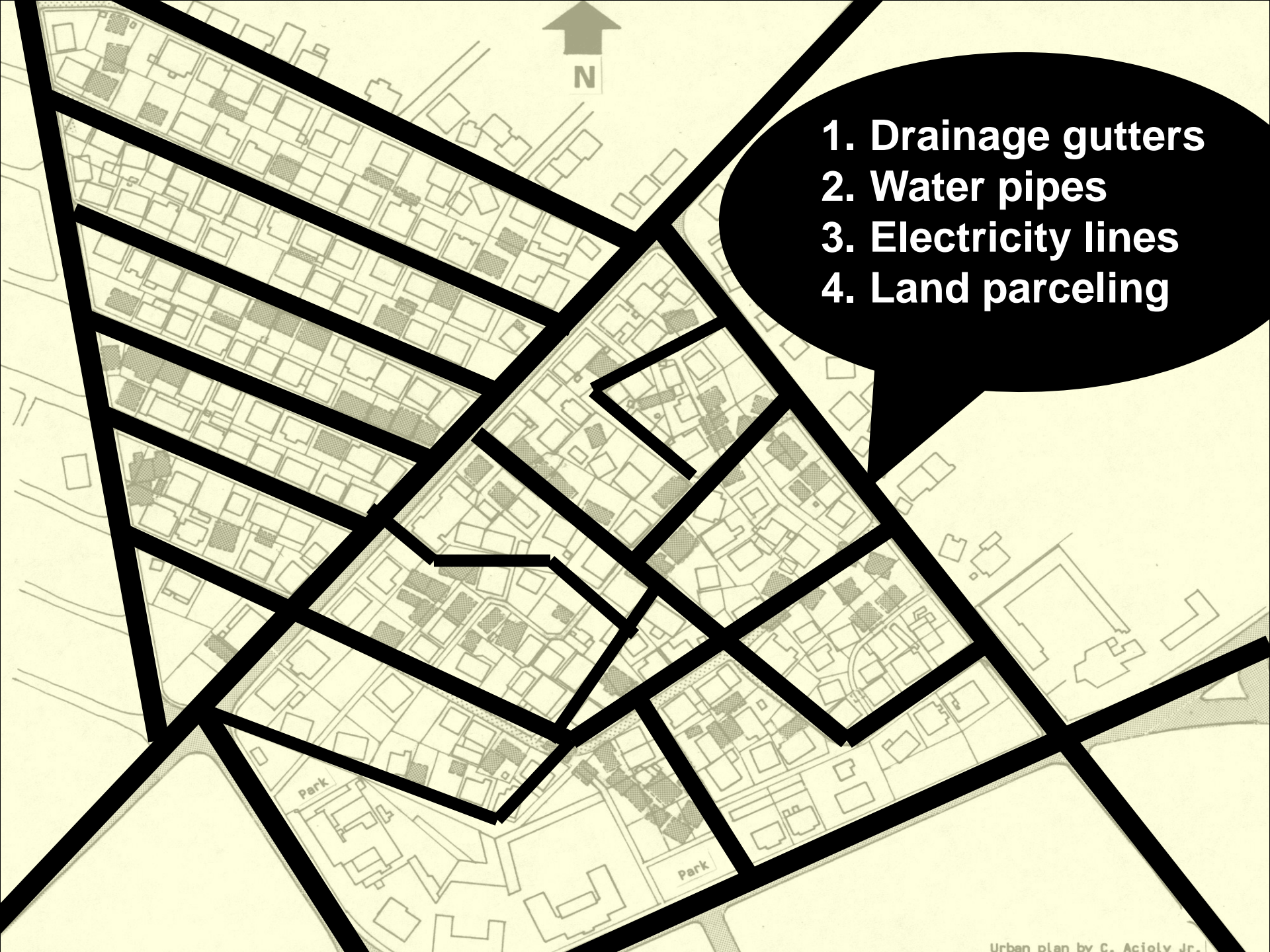


Park

Park

Centro Acioy

Urban plan by C. Acioy Jr.



- 1. Drainage gutters
- 2. Water pipes
- 3. Electricity lines
- 4. Land parceling

Park

Park

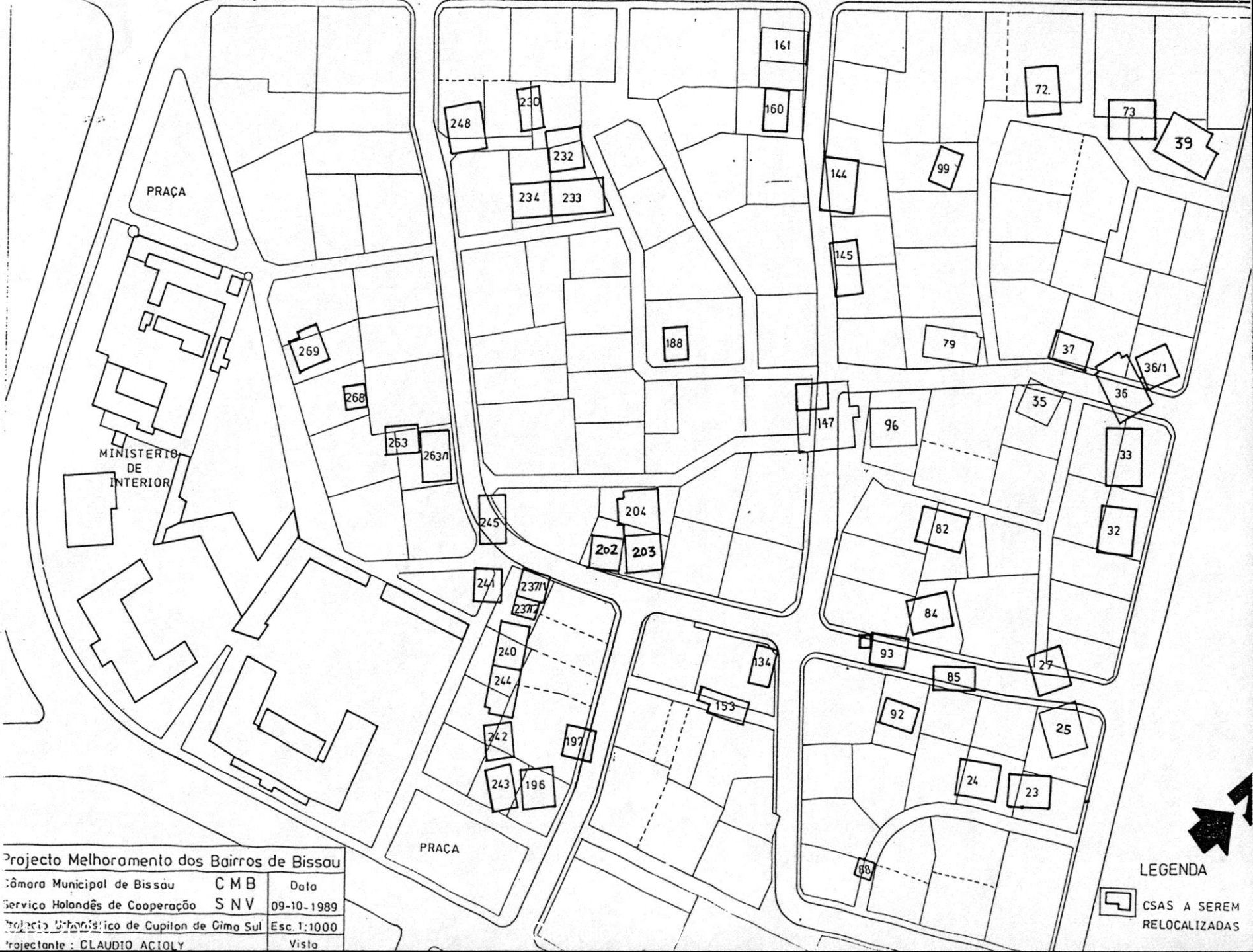
Projecto Melhoramento dos Bairros de Bissau

Câmara Municipal de Bissau CMB Data


Serviço Holandês de Cooperação SNV 09-10-1989

Projecto Urbanístico de Cupilón de Gimo Sul Esc. 1:1000

Projectante: CLAUDIO ACIOLY Visto



LEGENDA

 CSAS A SEREM RELOCALIZADAS

Projecto Melhoramento dos Bairros de Bissau

Câmara Municipal de Bissau CMB Data

Serviço Holandês de Cooperação SNV 10-10-1989

Projecto Urbanístico de Cupion de Cima Sul Esc.1:1000

Projectante: CLAUDIO ACIOLY Visto

Desenhador: EDUARDO OLIVEIRA SANCA 76



LEGENDA

- Moradas
- Casas permanentes
- n Casas relocizadas em novos sítios.
- Ⓝ Casas relocizadas em novos sítios - 1ª fase







4.



Managing a citywide Slum Upgrading Programme

The institutional, organisational and management aspect of the Favela-Bairro Programme.



Rio de Janeiro's Upgrading Program - Favela Bairro

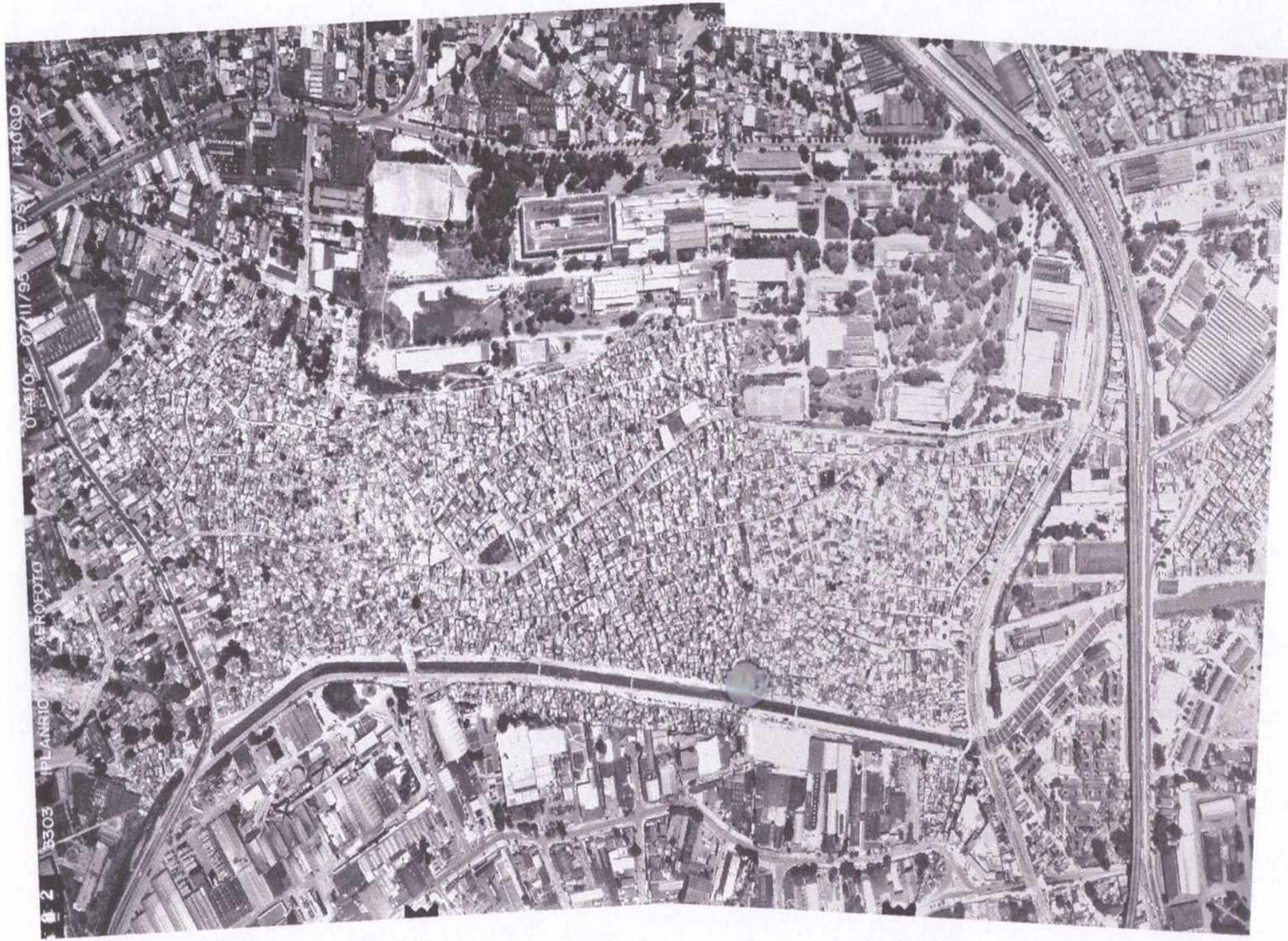


Source: Acioly et al, 1999). 'Sustainable Urban Development and the Urban Poor in Rio de Janeiro', in 'The Challenge of Environmental Management in Urban Areas', M. Mattingly, E. Fernandes, J. Davila and A. Atkinson (eds), Ashgate, London, UK, 1999. (pp. 127-138). Acioly, Claudio. (2001) "Reviewing Urban Revitalisation Strategies in Rio de Janeiro: from urban project to urban management approaches", in GeoForum, Special Issue on Urban Brazil, Volume 32, Number 4, November 2001. UK. Elsevier. pp. 509-520.

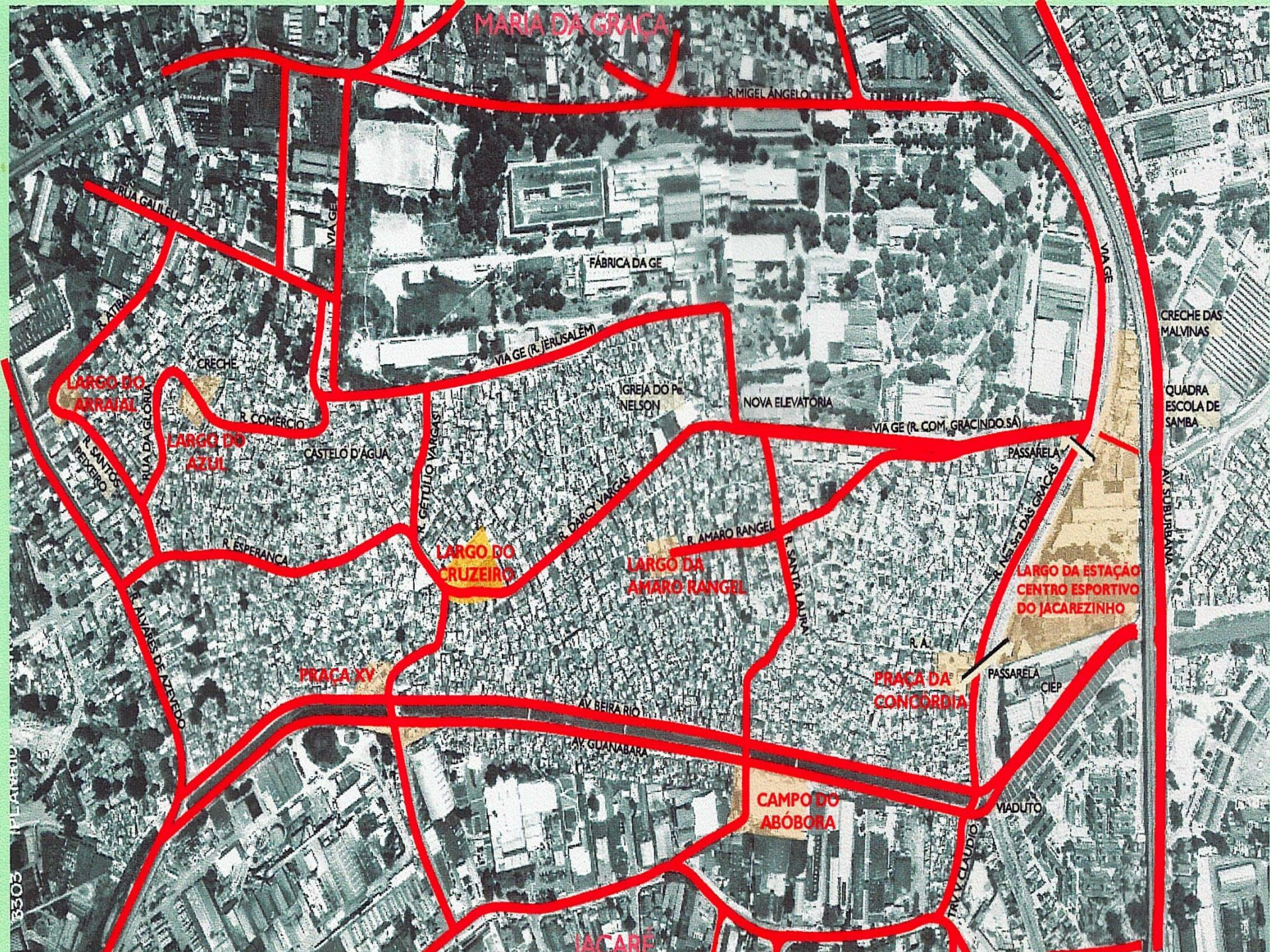
Favela Jacarezinho







2 1303 IPLANRIO AEROFOTO 05-410-02/11/95 E/S 14000



MARIA DA GRAÇA

R. MIGEL ANGELO

FÁBRICA DA GE

VIA GE (R. JERUSALEM)

IGREJA DO P. NELSON

NOVA ELEVATORIA

VIA GE (R. COM. GRACINDO SA)

LARGO DO ARRABAL

LARGO DO AZUL

LARGO DO CRUZEIRO

LARGO DA AMARO RANGEL

LARGO DA ESTAÇÃO CENTRO ESPORTIVO DO JACAREZINHO

PRACA XV

PRACA DA CONCORDIA

CAMPO DO ABÓBORA

JACARE

CRECHE DAS MALVINAS

QUADRA ESCOLA DE SAMBA

AV. SUBURBANA

PASSARELA

PASSARELA

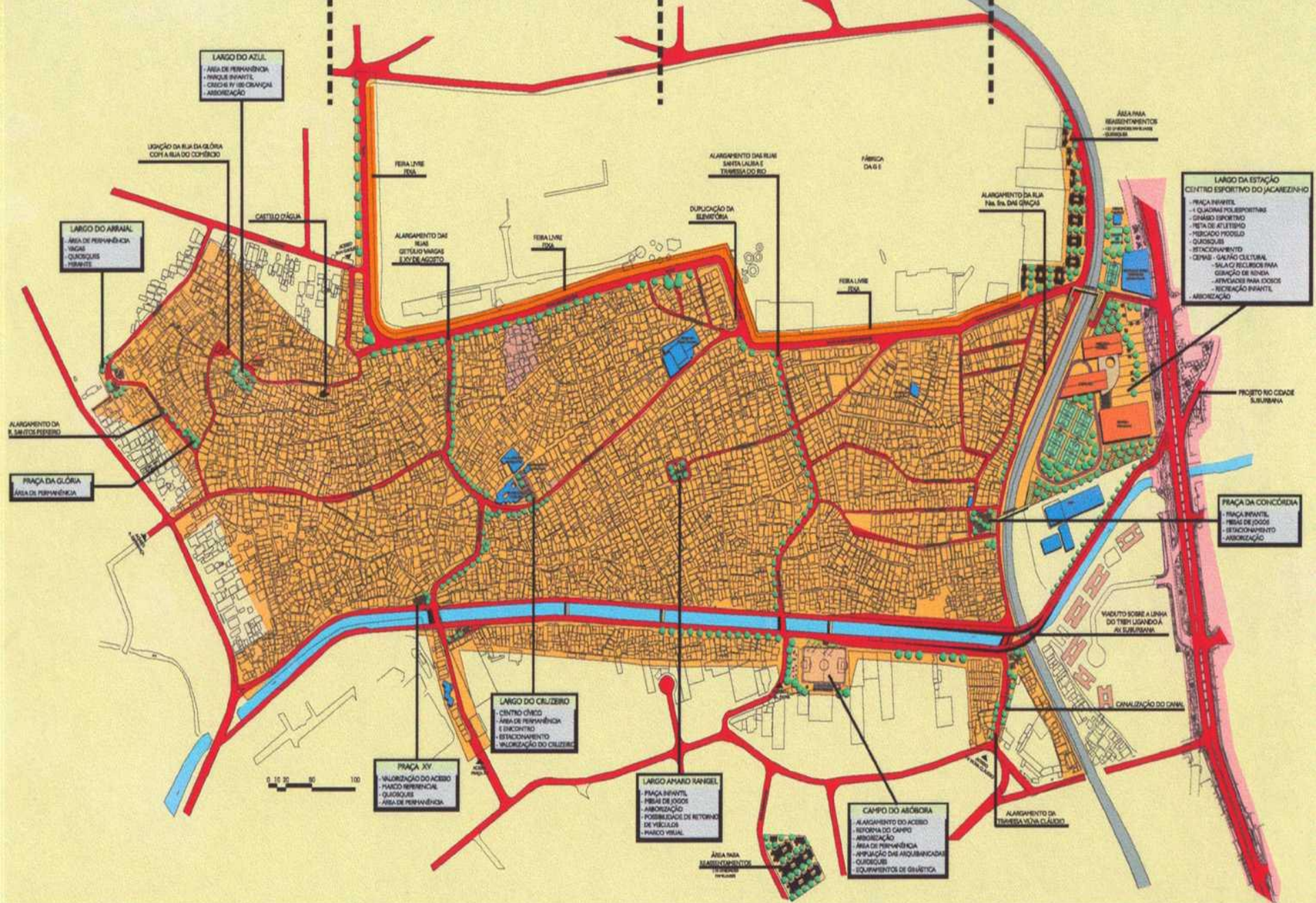
CIEP

VIADUTO

R. CLAUDIO

VIA GE

3305 PLATINUM



LARGO DO AZUL
 - ÁREA DE PERMANÊNCIA
 - PRINQUE INFANTE
 - CACIUS V. DE CRANÇAL
 - ASSOCIAÇÃO

UBICAÇÃO DA RUA DA GLÓRIA
 COM A ILHA DO COMÉRCIO

LARGO DO ARRAIAL
 - ÁREA DE PERMANÊNCIA
 - VINGAS
 - QUOCOSUS
 - NINANTE

CASTELO D'ÁGUA

FERRA LIVRE
 ITAIA

ALARGAMENTO DAS RUAS
 GETULIO VARGAS
 E ENVELHADO

FERRA LIVRE
 ITAIA

ALARGAMENTO DAS RUAS
 SANTA LAURA E
 TAVASSER DO RIO

FERRA LIVRE
 ITAIA

ALARGAMENTO DA ILHA
 PA. Srs. DAS OMBRAS

ÁREA PARA
 REAJUSTAMENTOS
 - 100 DE PERMANÊNCIA
 - QUOCOSUS

LARGO DA ESTAÇÃO
 CENTRO ESPORTIVO DO JACAREZINHO
 - PRAÇA INFANTE
 - QUADRA POLIESPORTIVA
 - QUADRA ESPORTIVA
 - PISTA DE ATLETISMO
 - MERCADO PROSOL
 - QUOCOSUS
 - ESTACIONAMENTO
 - CEMAS - GALPÃO CULTURAL
 - SALÃO RECREATIVO PARA
 CRIAÇÃO DE NINHA
 - ATIVIDADES PARA DOÇOS
 - RECREAÇÃO INFANTE
 - ASSOCIAÇÃO

PROJETO NO CEMAS
 SUBURBANA

PRAÇA DA CONCÓRDIA
 - PRAÇA INFANTE
 - PISAS DE JOGOS
 - ESTACIONAMENTO
 - ASSOCIAÇÃO

MAQUETO SOBRE A LINHA
 DO TRILHAGEM
 AL SUBURBANA

CANALIZAÇÃO DO CANAL

ALARGAMENTO DA
 TRAVESSA VISTA CLÁUDIO

LARGO DO CRUZEIRO
 CENTRO CÍVICO
 - ÁREA DE PERMANÊNCIA
 E ENCONTRO
 - ESTACIONAMENTO
 - VALORIZAÇÃO DO CULTURA

PRAÇA XV
 - VALORIZAÇÃO DO ACESSO
 - PARCO RECREACIONAL
 - QUOCOSUS
 - ÁREA DE PERMANÊNCIA

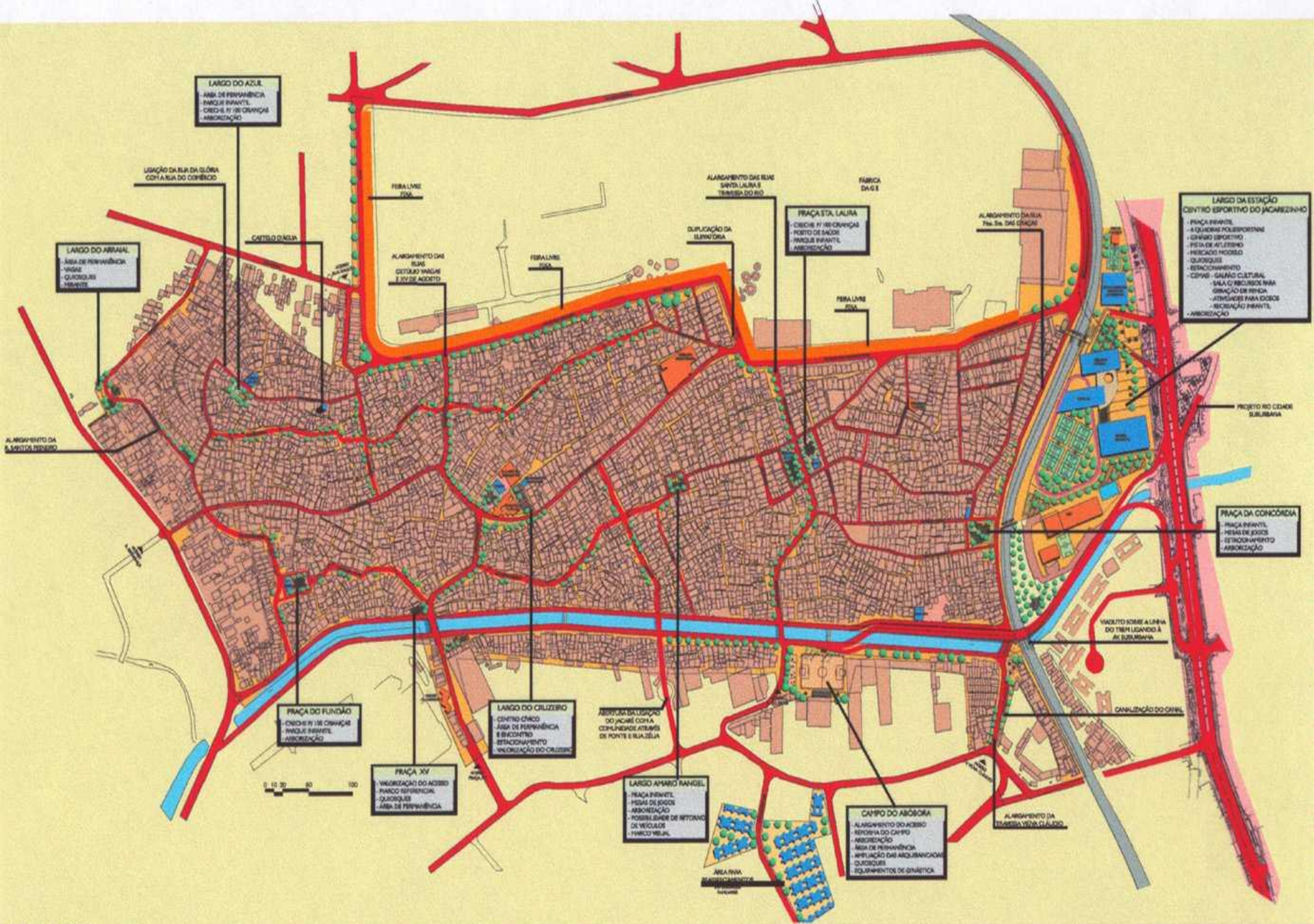
LARGO AMARO RANGEL
 - PRAÇA INFANTE
 - PISAS DE JOGOS
 - ASSOCIAÇÃO
 - POSSIBILIDADE DE RETORNO
 DE VEÍCULOS
 - PARCO VISUAL

CAMPO DO ARBÓREA
 - ALARGAMENTO DO ACESSO
 - REFORMA DO CAMPO
 - ASSOCIAÇÃO
 - ÁREA DE PERMANÊNCIA
 - APLICAÇÃO DAS AQUÍFERAS
 - QUOCOSUS
 - EQUIPAMENTOS DE GRUPTICA

ÁREA PARA
 REAJUSTAMENTOS
 TERRENO







LARGO DO AZUL
-ÁREA DE PERMANÊNCIA
-PRAÇA INFANTIL
-CRECHE Nº 188 ORGANIZADA
-ASSOCIAÇÃO

USUÁRIO DA RUA DA GLÓRIA
COM A RUA DO COMÉRCIO

LARGO DO ARRIVAL
-ÁREA DE PERMANÊNCIA
-VIGAS
-QUADROS
-PAINÉIS

CATEDRAL DA LUZ

FERRALME
ZONA

ALARGAMENTO DAS
RUAS
DETURNO VAGAS
E IV DE ACIDENTE

FERRALME
ZONA

ALARGAMENTO DAS RUAS
SANTA LAURA E
TERRA DO RIO

FABRICA
DA GÊ

PRAÇA STA. LAURA
-CRECHE Nº 188 ORGANIZADA
-POSTO DE SAÚDE
-PRONTO SOFORTE
-ASSOCIAÇÃO

FERRALME
ZONA

ALARGAMENTO DA RUA
TIA. Sra. DAS CRIANÇAS

LARGO DA ESTATION
CENTRO ESPORTIVO DO JACAREZINHO

-PRAÇA INFANTIL
-EQUIPAMENTOS ESPORTIVOS
-CENTRO ESPORTIVO
-PISTA DE ATLETISMO
-PISCINA COBERTA
-QUADROS
-ESTACIONAMENTO
-CEBS - GALPÃO CULTURAL
-SALA DE RECURSOS PARA
SITUAÇÃO DE RUA
-ATIVIDADES PARA IDOSOS
-RECUPERAÇÃO INFANTIL
-ASSOCIAÇÃO

PROJETO RIO CIDADE
SUBURBANA

PRAÇA DA CONCORDIA
-PRAÇA INFANTIL
-PISTAS DE JOGOS
-ESTRADA ABERTA
-ASSOCIAÇÃO

VIADETO SOBRE A LINHA
DO TREM LIGANDO A
AV. SUBURBANA

CANALIZAÇÃO DO CANAL

PRAÇA DO FUNDO
-CRECHE Nº 188 ORGANIZADA
-PRAÇA INFANTIL
-ASSOCIAÇÃO

PRAÇA XV
-VALORIZAÇÃO DO ACESSO
-PARQUE RECREACIONAL
-QUADROS
-ÁREA DE PERMANÊNCIA

LARGO DO CRUZILHEIRO
-CENTRO CÊNICO
-ÁREA DE PERMANÊNCIA
-BIBLIOTECA
-ESTACIONAMENTO
-VALORIZAÇÃO DO CRUZILHEIRO

ÁREAS DE VALORIZAÇÃO
DO JACAREZINHO
COMPARTEILHAMENTO
DE PONTE E RUA SÉLIA

LARGO AMARDO RANGEL
-PRAÇA INFANTIL
-PISTAS DE JOGOS
-ASSOCIAÇÃO
-POSSIBILIDADE DE REFORMA
DE VEICULOS
-TERRAÇO MURAL

CAMPUS DO ABOBORA
-ALARGAMENTO DO ACESSO
-RENOVAÇÃO DO CAMPUS
-ASSOCIAÇÃO
-ÁREA DE PERMANÊNCIA
-AMPLIAÇÃO DAS ABRIGAMENTOS
-QUADROS
-EQUIPAMENTOS DE GINÁSTICA

ALARGAMENTO DA
TRAVESSA VIEIRA GILJUDIC



Jacarezinho, Rio de Janeiro, BR















Conclusions: for the post crisis

1. No business as usual
2. Public policy and strong state engagement in recovery
3. A programme of stimulus and incentives (fiscal, wealth tax-solidarity, land value capture, municipal funds, global-local linkages) to mobilize heavy investments
4. Research and development for clean/green/carbon neutral solutions
5. Technology and employment at the Forefront: innovation
6. Support to micro-entreprises
7. A shift towards solidarity economy



Post Crisis

Thank you.

This and other presentations of Claudio Acioly are available and can be downloaded from www.claudioacioly.com