Collaborative Mapping of Deprived Areas to Tackle Health, Racism and Mobility issues

https://uploads.knightlab.com/storym apjs/512d5175641496552ba831def 26de95b/formacaopatricia/index.html

Dr. Patricia Lustosa Brito

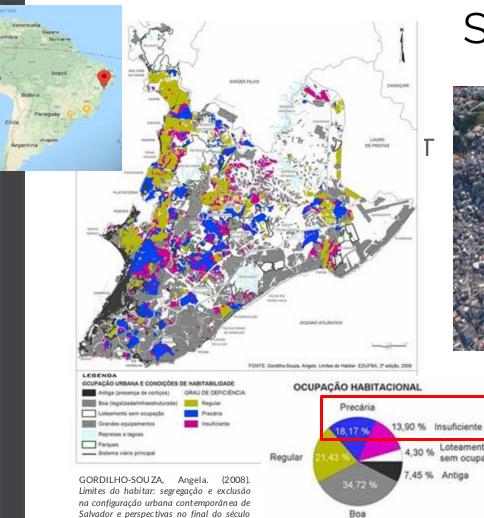












XX. Salvador, EDUFBA.

Salvador - Brazil







Goal of today's presentation:

Present some projects that we are involved...

Ask some questions about how can we move foward...



Undegraduate course of Cartography and Survey Engeneering











HEATH related application - Primary care

ACS Salvador Mapeia Digital

Train Community Health Agents (ACS) to use digital mapping for their work













First class – 2020

Became a every semester activity at a main class for all undergrad students take it at their first semester (Politecnic school and Nurcery School)

Profile (what worked)

All training materials are available at Youth mappers at ufba website: https://sites.google.com/view/youthmappersufba/capacita%C3%A7%C3%B5es/acs-mapeia-digital?authuser=0

AVAILABLE DATA

ViconSAGA LOGO



Google Maps Google Streetview Free, Open Desktop/mobile Online/ofline Form creation Attatching fotos, Files



COMMUNITY DATA

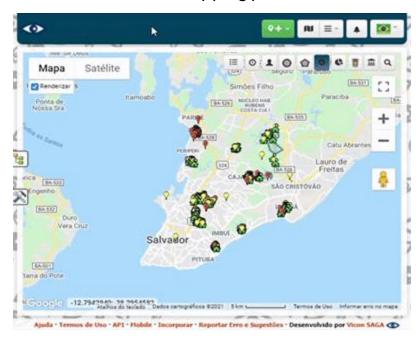
KNOWLEDGE

- **PARTICIPATION**
- Form creation
- We need more time with ACS
- City Heath Department dis not institucionalized the Digital mapping procedures

ACS Perspective

- Agente Actuation microárea
- Health facilities
- Reference points
- **Vulnerabilities**
- Positive features





HEATH related application - Epidemiology

Perceived risco x Objective risk

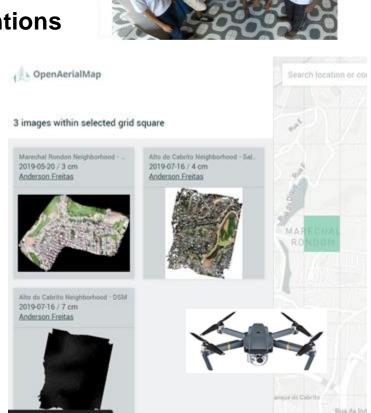
Community based interventions

Project conducted by Collective Health Institute of UFBA

Focus Youth people Challenge - Academic SDI



https://map.openaerialmap.org/#/-38.47274780273437,-12.912213836789748,15/square/21102102121001202?_k= giagr1



University + Youth



Zoonoses control

center employee











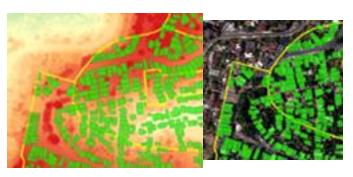


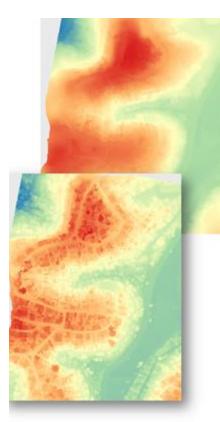
Aerialphotographic survey with drone

- study area scale









- Negotiate with community leaders which area can be mapped and when (police also use drones)
- Make clear images will be open at the internet
- Confidence in the project - no direct impact
- How (and why) can Community members use themselves benefit more directy of drone images?

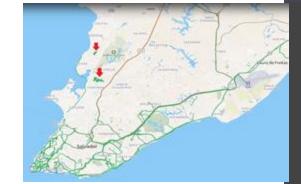
Open access georeferenced ground photographs







- Active
- Negotiate with community leaders which area can be mapped
- Make clear images will be open at the internet
- Interested because they are not at google streetview







https://www.mapillary.com/app/user/tbltisc?lat =-12.90994411233899&lng=-38.47080130118002&z=17&pKey=28336014 93573008&focus=map

Includes: development Interface for ViconSAGA, gamification, User centered Design

courses and regular activities with groups at the communities

Usability test > how to improve tool from user perspective

How to measure

- tools appropriation?
- built up knowledge about community territory?





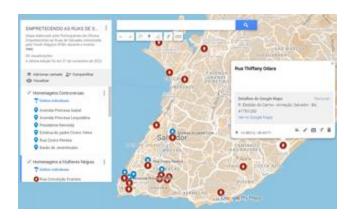




Applications related to Racism and Social vulnerabilities

Empretecendo as ruas - (Blackening the Streets workshop)

- workshops with undergrad and grad students (so far)
- use Google MyMaps suggest where should be a name they consider important to honnered
- search names at google and OSM
- contribute at OSM









Applications related to Racism and Social vulnerabilities

Census of Population at street situation

Census planing - ViconSAGA training groups that work with this population, access data about their main work location

KOBOtolbox – census – allows more complex questionnaires and store point location (Mobile GPS our map indicated)



EveryWhereSheMaps Mulheres do Calafate

Group of women of Calafate neighborhood

- Interest of older women
- Topics they decided to
- Surprise with GoogleStreet view
- difficulties with things that are basics at the academy (such as copping a URL)





Mapping Deprived areas - Applications in Mobility

Mapeia Jovens - Federação, Alto da Sereia, Pestalosi Goals: Accessibility to their school
Transportation issues to most visited places
Share stories online















Envolviment of Under Grad and Grad Students importance





Teaching Researching Extention











- mapathons,
- internal training,
- research scholarships (most are volunteers)
- events participation support





FRANSENÇIO COLLART. DANGELTUNSECA: CAMILA REIS: GILDETE BARROS: IAMÉ DA SILVA DE SÁ: IARA OLIVEIRA: CRIS DOS PRAZERES: VERÓNICA PARENTE: ALAN BRUM





CAPES PRINT

Pró-Reitoria de Ensino e Pós-Graduação I UFBA





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STEERING COMMITTE

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Bearch

CONTACT









Applied Data Science













Sustainable Cities







innevation And stainability Of Nutritice Systems in The Global



Innovations in Health and in The Environmen











Restrictions To Economic Development And To The Reduction Of Inequality



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Split-site PhD Program (Sandwich)

Aims the realization of internship for research development in foreign higher education institution, by students regularly enrolled in graduate course in Brazil, in which the student after the Study Period abroad, within the regulatory deadline established by Capes, returns to Brazil to conclude and defend its thesis (From 3-12 months).

Visiting Professor Abroad

Aims visits realization and orientations, teaching in courses and classes, as well as the development of research activities, in foreign higher education institution and in institutes or research centers and development abroad, being destined for lectures or researchers with employment relationship with Higher Education Institutions (From 3-12 months).

Visiting Professor in Brazil

Aims to attract renowned lectures and researchers acting and residents abroad to deliver courses, trainings, lectures or in-person seminars (From 15 days to 12 months).

Work Mission

Aid for work missions abroad, in framework of projects of research projects in international cooperation or individual missions (From 7-21 days).

Qualification

Technical, scientific or pedagogical capacity development for institutional strengthening through the human resources qualification.

Other Brazilian research fundings

- CAPES
- CNPq (<u>Universal open until 07/aug</u>) -
- State agencies (<u>Fabesb at Bahia</u>, <u>FAPESP/UKRI</u>, <u>FAPESB/UoB</u>-ate 31jul)
- Foundations (FioCruz, Vale, others)
- PS: Projects involving Northeast institutions may be prioritized in some calls

Many thanks to













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