



Facilitating knowledge exchange between citizens and policy makers through dialogical participatory mapping



Knowledge exchange workshop
Warwick 28-29 June 2023

GCRF Global Translation Award



Waterproofing Data Project

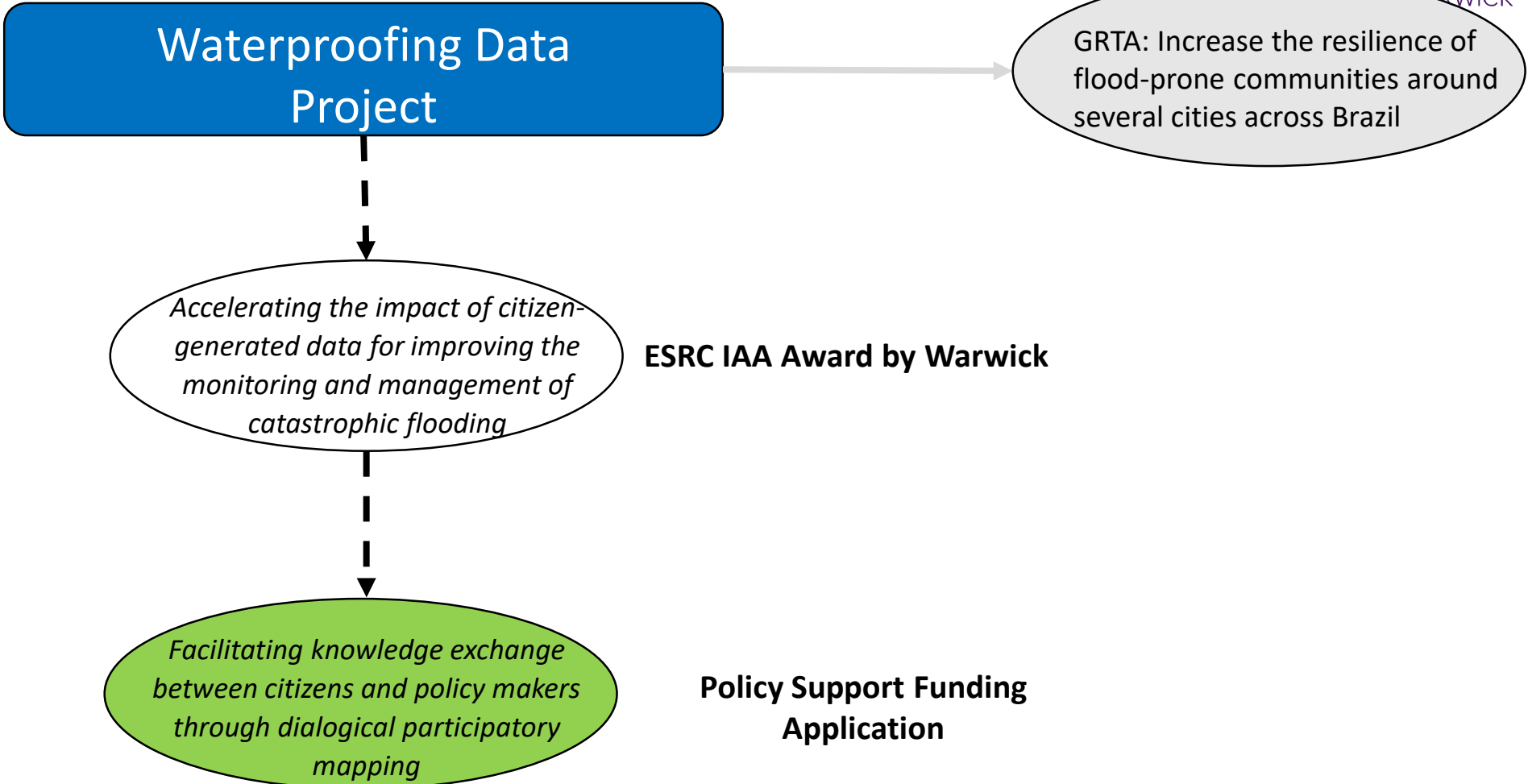
GRTA: Increase the resilience of flood-prone communities around several cities across Brazil

Accelerating the impact of citizen-generated data for improving the monitoring and management of catastrophic flooding

ESRC IAA Award by Warwick

Facilitating knowledge exchange between citizens and policy makers through dialogical participatory mapping

Policy Support Funding Application



Project Profile

Title

- *Facilitating knowledge exchange between citizens and policy makers through dialogical participatory mapping*

Award amount

- ~£50K

Duration

- 01/12/2022 – 31/07/2023

- What do we want to achieve with this project?

- a) Disseminating the conceptual and practical pillars of the dialogical participatory mapping methodology, as well as its results, to authorities at the different administrative levels in Brazil, commencing with the states the project has already been implemented in.
- b) Enhancing dialogue and knowledge exchange between community members, academic institutions and policymakers in Brazil, EU (e.g. authorities in Greece, Italy and Germany), and the UK (e.g. Coventry and Birmingham City councils and WMCA) through the establishment of partnerships and policy networks.
- c) Informing policy change linked to enhancing citizen engagement in risk and disaster management in accordance to the principles underpinning the SDGs, and specifically SDG 11 (Making cities and communities more resilient and sustainable).

Accelerating the impact of citizen-generated data for improving the monitoring and management of catastrophic flooding

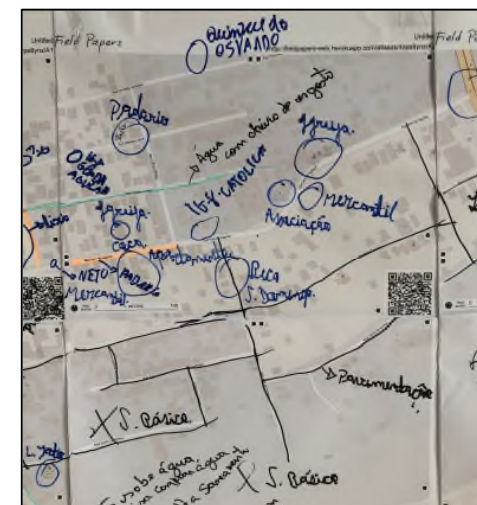
Spin-off project of the Belmont Forum-funded project entitled 'Waterproofing Data'

Funded through the ESRC Impact Accelerator Account (~£50K)

Implemented in marginalised communities across three Brazilian cities

Emphasises the development of a dialogical participatory mapping approach

Uses mapping as a means to encourage community engagement and collect locally-relevant geospatial data for disaster risk management



What is dialogical participatory mapping?

Introduce local communities to participatory mapping

Present the benefits of participatory mapping

Train local citizens in utilizing mapping tools

Explore locally meaningful generative themes

Map locally relevant geospatial data

Review the newly produced data in collaboration with community members

Methods employed



Community walks



Conversation circles

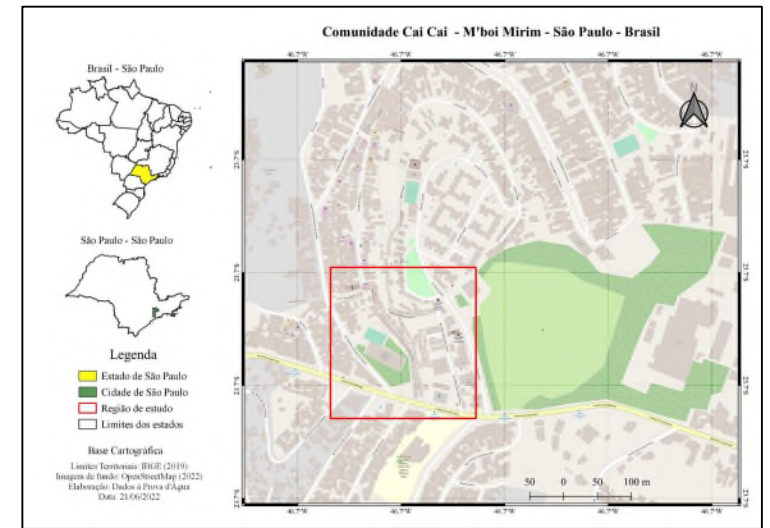
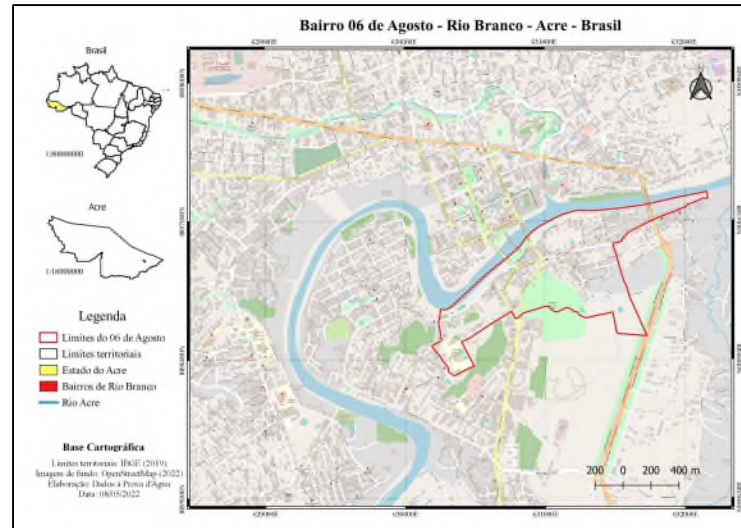
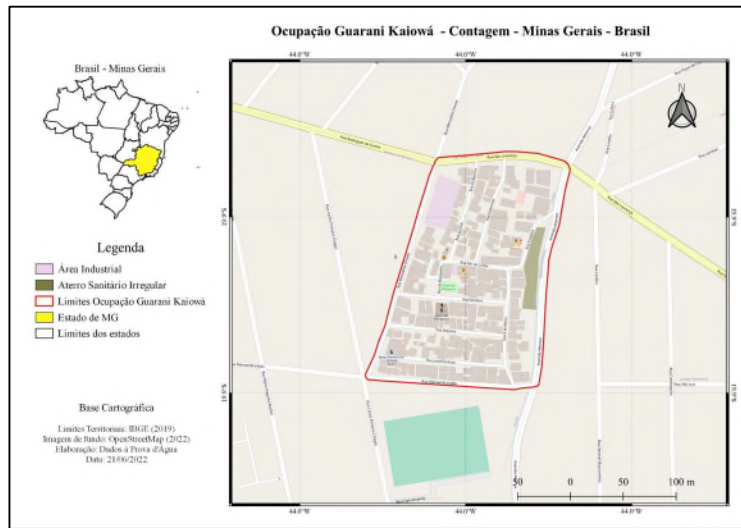


Improvement mapping



Potentiality mapping

Outputs



Outputs

WARWICK

IN COLLABORATION WITH THE PROJECT
"WATERPROOFING DATA"

JUNE 2022

DIALOGICAL-PARTICIPATORY MAPPING APPLICATION (COMMUNITY MANUAL)




Photo: Minas Gerais collection team.

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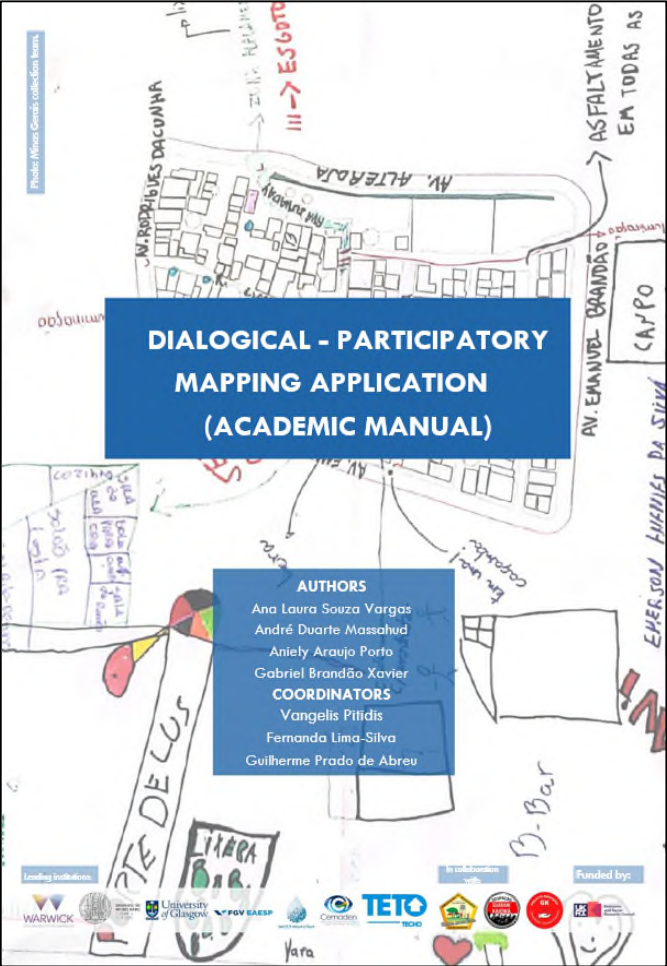
LEADING INSTITUTIONS IN COLLABORATION WITH

FUNDED BY:

DIALOGICAL - PARTICIPATORY MAPPING APPLICATION (ACADEMIC MANUAL)

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In collaboration: TETO, Censur

Funded by: WARWICK, University of Glasgow, FGV EAESP, Cemaden, Yara



University of Glasgow

WARWICK
THE UNIVERSITY OF WARWICK

March 2022

Enhancing community resilience to floods and adapting to extreme weather events with data-driven citizen science

A briefing note for schools, education administrators and disaster risk reduction agencies

João Porto de Albuquerque, Vangelis Pitidis, Diego Pajarito Grajales & Leigh Walker

Executive summary

Research found that engaging school students with citizen science projects to map their local communities, monitor rainfall levels and record flood impacts helped young people to understand flooding risks and increased their awareness of how climate-related hazards affect their neighbourhoods, whilst also generating valuable data for flood management agencies.

Schools and teachers can set up their own citizen science projects by using open digital tools such as the Waterproofing Data app and the free educational resources available at: <https://warwick.ac.uk/fac/arts/school/forcross-facultystudies/igsd/waterproofingdata/outputs>

About this briefing

This briefing is based on the findings of the Waterproofing Data and Global Challenges Research Fund Translation Award research projects, which aimed to investigate and rethink the governance of water-related risks, with a focus on social and cultural aspects of data practices. The researchers worked together with school students, teachers, community members and official agencies to co-produce knowledge and design strategies to reduce the impact of flood-related events. The projects developed a social data-driven innovation combining community engagement, citizen science and data analytics to improve the resilience of communities to flooding. It includes a citizen science mobile app, a model curriculum for schools, and a data analytics platform for developing early-warning models.

Facilitating knowledge exchange between citizens and policy makers through dialogical participatory mapping

28-29 June 2023 at Scarman building Room 25

Agenda

Wednesday 28 June 2023

10:00 -10:20	Welcome note and introduction to the project	Vangelis Pitidis	University of Warwick (UK)
10:20 – 10:50	Dialogical participatory mapping application in Brazil: Background of the project and lessons from São Paulo	Fernanda Lima-Silva	Getulio Vargas Foundation (BR)
10:50 – 11:05	Dialogical participatory mapping application in Brazil: Lessons from Minas Gerais	Guilherme Prado	TETO Brazil (BR)
11:05 – 11:20	Dialogical participatory mapping application in Brazil: Lessons from Acre	Aniely Araujo Porto	Federal University of Acre (BR)
11:20 – 11:30	Q&A Session		
11:30 – 11:50	Tackling the challenges of local communities through participatory mapping in Niteroi and Medellin: The URBE LATAM project	Philipp Ulbrich & Alessandra Figueiredo	University of Glasgow (UK); Federal University of Rio de Janeiro
11:50 – 12:10	Collaborative mapping of deprived areas to tackle health racism and mobility issues	Patricia Brito	Federal University of Bahia (BR)
12:10 – 12:30	Capturing risk perception through participatory mapping: The RiskPACC project	Selby Knudsen	Trilateral Research (UK)
12:30 – 13:00	Q&A and Plenary discussion		

13:00- 14:00 Lunch Break

14:00 – 14:45	<u>First Round of Group discussions:</u> What are the advantages and disadvantages of dialogical participatory mapping?		
14:45 – 15:30	<u>Second Round of Group discussions:</u> Is there any potential for participatory mapping methodologies to inform policy making?		

15:30 – 15:45 Coffee Break

15:45 – 16:30	<u>Third Round of Group discussions:</u> Which existing practices that can be combined with participatory mapping to support urban planning, disaster risk management or environmental conservation policy?		
16:30 – 17:00	Presentation of the group discussion outcomes		

19:00 Dinner at Scarman

Thursday 29 June 2023

10:00 – 10:30	Summary of the previous day discussions		
10:30 – 13:00	Consolidation of a participatory mapping network and identification of future synergies, funding opportunities and project ideas.		

13:00 Lunch at Scarman