Waterproofing Data:
Towards engaging stakeholders in sustainable flood risk governance for urban resilience

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Project goals

- **Bring visibility** to the way stakeholders(citizens, local government authorities, etc.) involved in the management of water-related risks engage with **data on flooding**.

- **Engage citizens** to produce and circulate data, which incorporates and builds upon pre-existing flood memories and local knowledge of flood risk, to increase community resilience.

- **Integrate citizen-generated data with other data sources**, such as environmental sensors, socio-demographics and risk mapping, in ways that support decision-making and policy-making on flooding.

Our approach to stakeholder engagement: dialogical co-production

Reframing citizen sensing towards dialogical modes of engagement:

how data generation can co-produce transformations in governance?

de Albuquerque, J. P. de & de Almeida, A. A., (forthcoming). Modes of engagement: reframing 'sensing' and data generation in citizen science for empowering relationships. In: Mah, A. and Davies, T. (forthcoming), Toxic Truths: Environmental Justice and Citizen Science in a Post Truth Age. Manchester, UK: Manchester University Press

Community engagement through data circulation

► *How to engage citizens in sharing-existing flood memories and flood risk knowledge?*

Citizen Science

Digital Memories/social media

Participatory risk perception mapping

Planning with schools in São Paulo

- **Feedback** meetings after the pilot and the key role of a **teacher engaged** with the project.

- Adjust project schedules to **school schedules** and **integrate different demands** from the school partners with the project goals.

- **Activities**: chat with pilot participants, rain gauge construction workshop, participatory mapping workshop, Mapathon - Map Marathon, rain monitoring visits, video script workshop, presentation of short films produced.

Planning with communities in São Paulo

- **Feedback** meetings after the pilot and the key role of engaged partners from the local parish.

- Exchanging knowledge to **adapt instruments and techniques:** quesitonaire and strategies to make maps readable

- Adjust project schedules to **community schedules**

- **Activities**: flood memory feedback with other members of the community

Challenges and next steps

- **Communities and Schools in Rio Branco**: distance and government priorities next months (fires in Amazonia Region).

- **Schools**: changes in the curriculum next year, teachers may be transfered to other schools.

- **Communities in São Paulo**: trying to develop the activities in a **second   area with flood**, but **trafic dwelling and violence** may be difficult to deal with.

- **Institutional relations**: waiting for the **agreement term** to be signed both in São Paulo and Rio Branco.

Thank you

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