

### **Hometask 3**

#### **1. How can you stimulate public participation in your home/residence/city using PPGIS?**

To stimulate public participation in Colombia using Public Participation Geographic Information Systems (PPGIS), it is important to address the challenges associated with traditional survey methods and online tools. Here are some expanded ideas on how to enhance public participation using PPGIS in Colombia:

1. **Simplify surveys:** Instead of conducting manual surveys with numerous questions, design PPGIS tools that feature user-friendly interfaces and concise, focused questions. By reducing the length and complexity of surveys, participants are more likely to engage and provide meaningful responses.
2. **Ensure transparency and feedback:** One of the common issues with traditional surveys is that participants often do not receive feedback on the results or analysis. With PPGIS, it is essential to provide participants with the analysis of collected data. This can be achieved through real-time dashboards or interactive reports that present the results in an understandable format.
3. **Overcome technological barriers:** While online tools can provide a more efficient way to conduct surveys, they can pose challenges in terms of accessibility and technical literacy. To address this, develop PPGIS platforms that are user-friendly and require minimal technical knowledge to access and navigate. Additionally, consider creating offline capabilities so that participants in remote areas with limited internet coverage can still participate effectively.
4. **Promote inclusivity:** Ensure that PPGIS tools are accessible to a wide range of participants, including those with disabilities or limited digital literacy. Incorporate features such as text-to-speech, multiple language options, and clear instructions to make the tools inclusive and easy to use.
5. **Tailor PPGIS tools to local contexts:** Colombia is a diverse country with varying geographical, cultural, and socioeconomic conditions. Customize PPGIS tools to suit the specific needs and contexts of different regions and communities within Colombia. This could involve incorporating local languages, addressing region-specific issues, and considering the unique challenges faced by marginalized communities.
6. **Collaborate with local organizations and communities:** To encourage participation, collaborate with local NGOs, community leaders, and grassroots organizations. By involving these stakeholders in the design and implementation of PPGIS initiatives, you can ensure that the tools are relevant, culturally sensitive, and responsive to the needs of the local population.
7. **Capacity building and awareness:** Conduct training sessions and workshops to build capacity and raise awareness about PPGIS tools among the general public, community organizations, and

government agencies. These training programs can cover topics such as accessing and using the tools, interpreting results, and understanding the importance of public participation.

8. Demonstrate the impact: Showcase success stories and tangible outcomes resulting from public participation facilitated through PPGIS. Highlight how public input has influenced decision-making processes and led to positive changes in policies or projects. This helps build trust and encourages more people to engage in future PPGIS initiatives.

## **2. Conceptualize (and potentially realize) a Survey123 project to implement or support your idea about urban nature planning and management.**

The objective of this Survey123 project is to create a platform that enables users to report and categorize graffiti in urban spaces in Bogotá (Colombia), with the goal of distinguishing between authorized graffiti artworks and unauthorized graffiti that may be associated with vandalism. This information will help competent authorities to plan strategies to address vandalism-related graffiti, develop programs, and enhance security in affected neighborhoods. Additionally, cultural graffiti will be tracked to investigate the author, the history behind the graffiti, and their contribution to the cultural identity of the city.

**Realization:** <https://arcg.is/aP9nq>

## **3. What limitations are you facing?**

The main limitations I encountered were:

- Real-time display of survey results in an ArcGIS Dashboard or generating reports with Survey123
- Enabling multiple languages in Survey123 Connect
- Allowing offline mode for the survey

**Feedback:** The presentations delivered by the professors during the last session were truly insightful. However, I would like to offer a constructive observation regarding the length of the meetings. When the duration of the meeting is excessively long, it tends to diminish the students' attention and participation levels.