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Collaborative Mapping to Contribute to Flood Resilience

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Description / Abstract

The La Iguaná creek basin, covering 50.99 km² in central-western Medellín, plays a vital role in the city's socio-environmental processes and connects neighborhoods formed by families displaced by the armed conflict. Despite its importance, the area faces high poverty, overcrowding, limited access to healthcare and education, and significant flood vulnerability. Since 1880, frequent floods have caused infrastructure damage, displacement, and loss of life, with increased frequency since the 1980s. Community calls for flood risk reduction have led to some interventions by DAGRD (administrative department of risk management in the city), though long-term support is lacking. As a result of winning the Global Integrated Flood and Drought Management Program 2023, was funded this collaborative mapping project in one of the communities affected in this basin (Nueva Villa la Iguaná neighborhood). Our goal was to contribute to flood resilience through cartographic data collection, territorial recognition, and identification of vulnerability factors.

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