Three Visible Cities: Understanding Urban Perception through Youth Action and Mobile Data in Mexico

Salvador Ruiz-Correa¹, Héctor Gómez Vargas², Victor Islas³, Mariana Gonzalez Abundes⁴, Darshan Santani^{5,6}, Daniel Gatica-Perez^{5,6}

¹Centro Nacional de Supercómputo IPICYT, México; ²Universidad Iberoamericana, México; ³Instituto Tecnológico Integral, México; ⁴Universidad Autónoma de Yucatán, México; ⁵Idiap Research Institute, Switzerland; ⁶EPFL, Switzerland













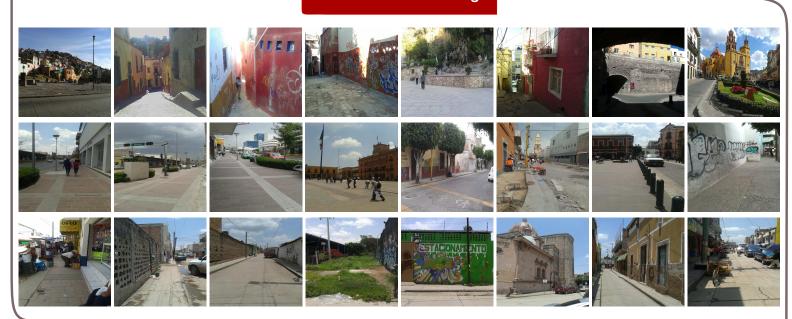
Funded by EPFL CODEV

Research Questions

- 1. How can local youth in Mexico be engaged and supported to document and reflect on urban concerns?
- 2. What kind of urban impressions do youth make about their environment?

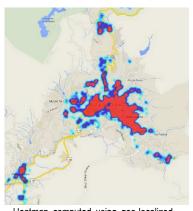
Research Approach Co-design Collect

Urban Data Challenge

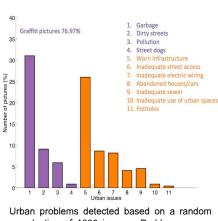


Results

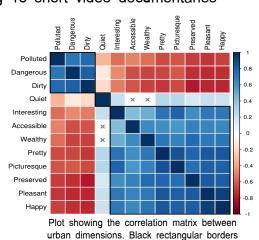
21,000 images - 21,000+ annotations - 265 urban videos - 60 audio notes - 300 interviews 12 workshops - 2 plenary sessions - 1 film festival featuring 13 short video documentaries



Heatmap computed using geo-localized images showing the areas marked as being of concern in Guanajuato



selection of 1000 images. Problems are classified in two categories: image of the city (in purple) and infrastructure (in orange)



indicate the three distinct clusters found in the

correlation matrix.