



LEAVING NO ONE BEHIND: EVALUATION for 2030

2019 National Evaluation Capacities Conference

Using geospatial data in evaluation: Opportunities and challenges

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#NECdev



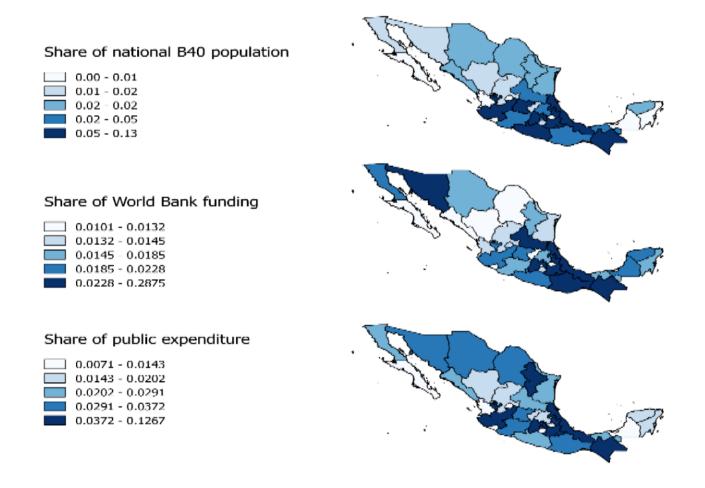
Geospatial data in evaluation: IEG applications

- What are some of the questions we look at with geospatial data:
 - Targeting
 - Impact
 - Implementation fidelity
- Different levels of abstraction
- Opportunities and challenges



Mexico Country Program Evaluation

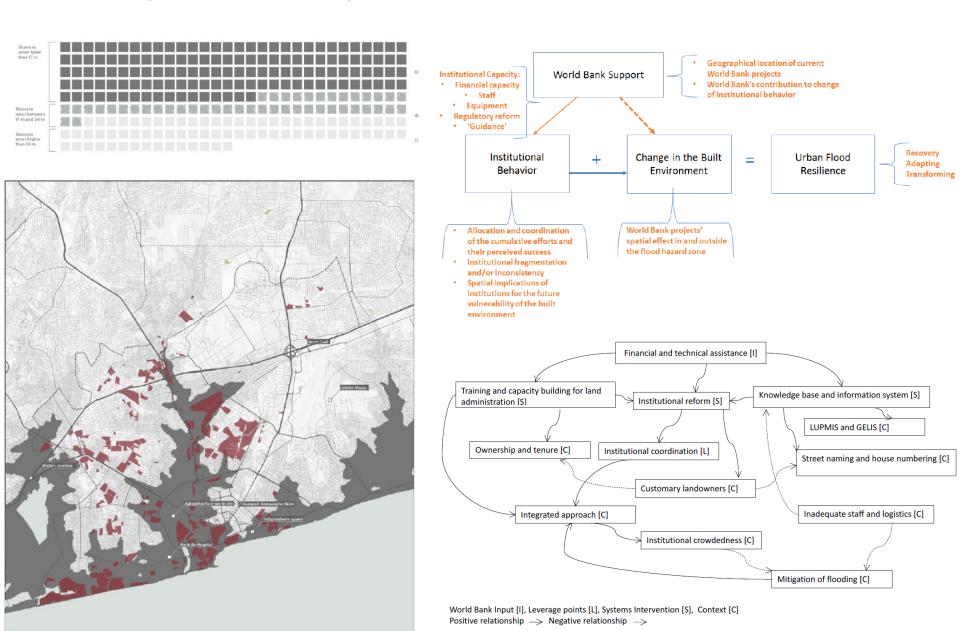
Share of B40, World Bank project funding (23 projects) and public expenditure per state





Source: The authors' calculations based on data from the World Bank's Global Reach team, AidData and the Bank's BOOST initiative

Systems analysis: Flood resilience in Accra



Evaluability challenge

WBG support (convening power / advisory / TA / funding) for:

- Institutional reform and collaboration
- Systems
- Processes
- Human resources
- Equipment
- Infrastructure

Awareness, attitudes and behaviors of institutions, their capacities, and their (combined) interventions



Awareness, attitudes and behaviors of businesses, communities, citizens



Land uses and (changes) in the built environment



How to unpack this causality?

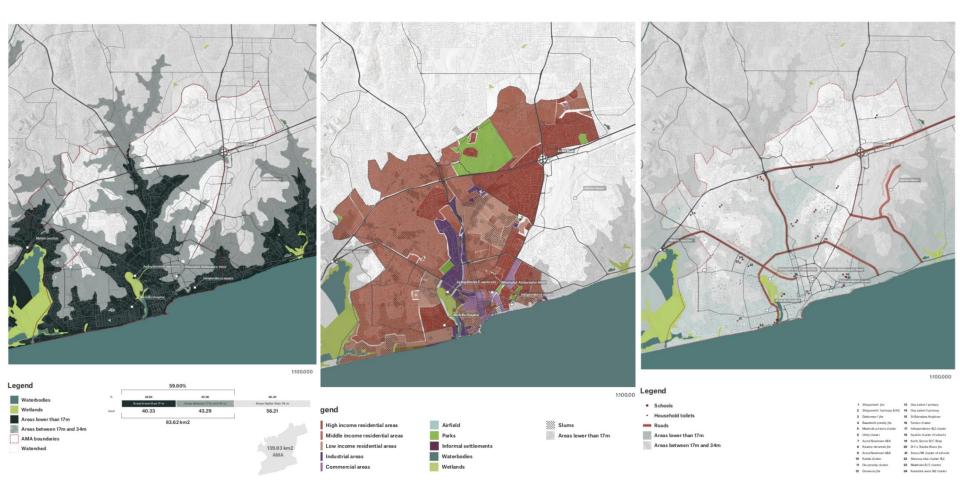
1. Single intervention perspectives (yes, but...)

2. Systems perspectives

Scope/delimitation (dimensions)	Feasible?	Big data?
WBG-institutions-citizens-land use- built environment	No	
Flood risk-land use-built environment	Possibly	longitudinal geospatial data layering
WBG-institutions	Possibly	text analytics around contribution claims



Flood risk Land use Built environment

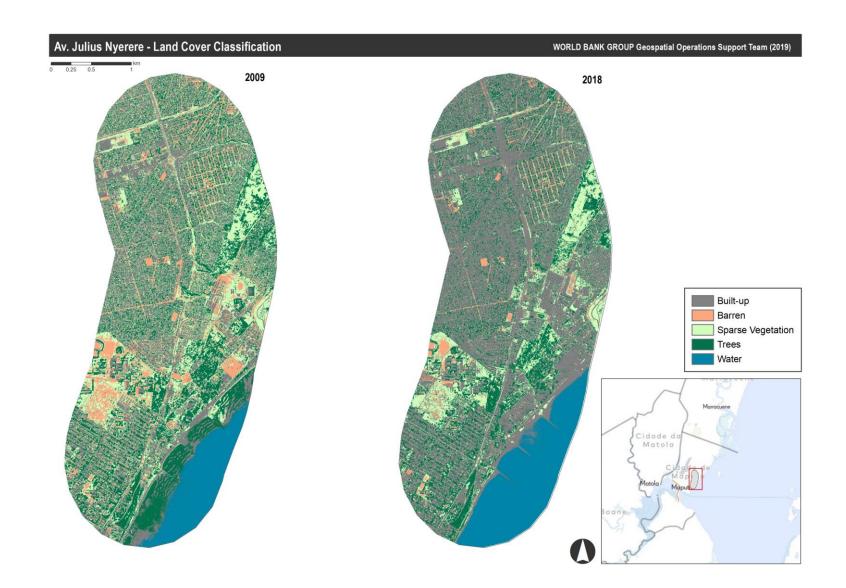




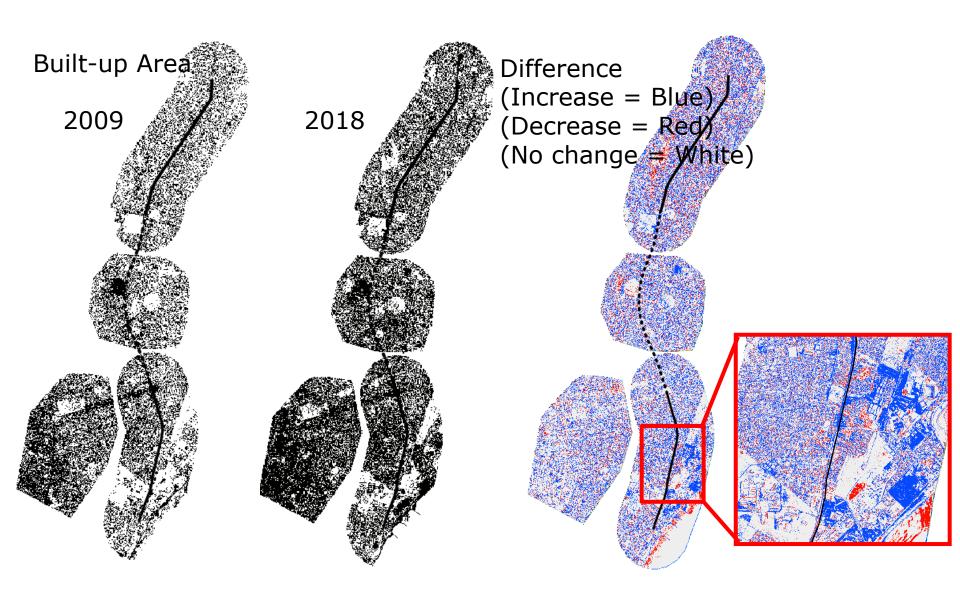
Geospatial impact assessment: Road construction in Maputo





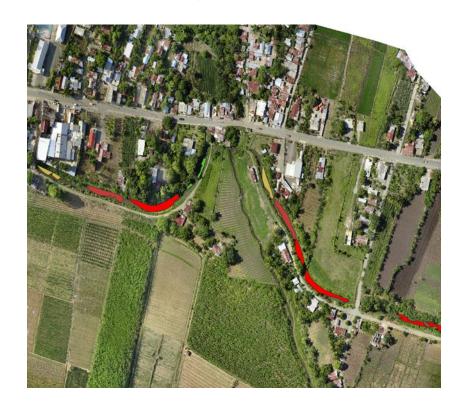


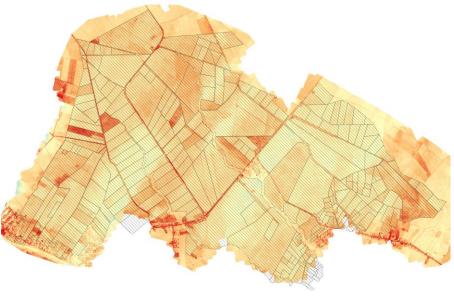






Irrigation project in Dominican Republic











Some conclusions and challenges

- Evolution in geo-referencing (public) WBG support
- Evolution in ground-truthed geospatial data on development objectives
- Increasing opportunities for low(er) cost impact evaluations using geospatial data
- Causal contribution remains challenging

