

Using NASA Earth Observations to Support Environmental Justice Communities in Atlanta, GA

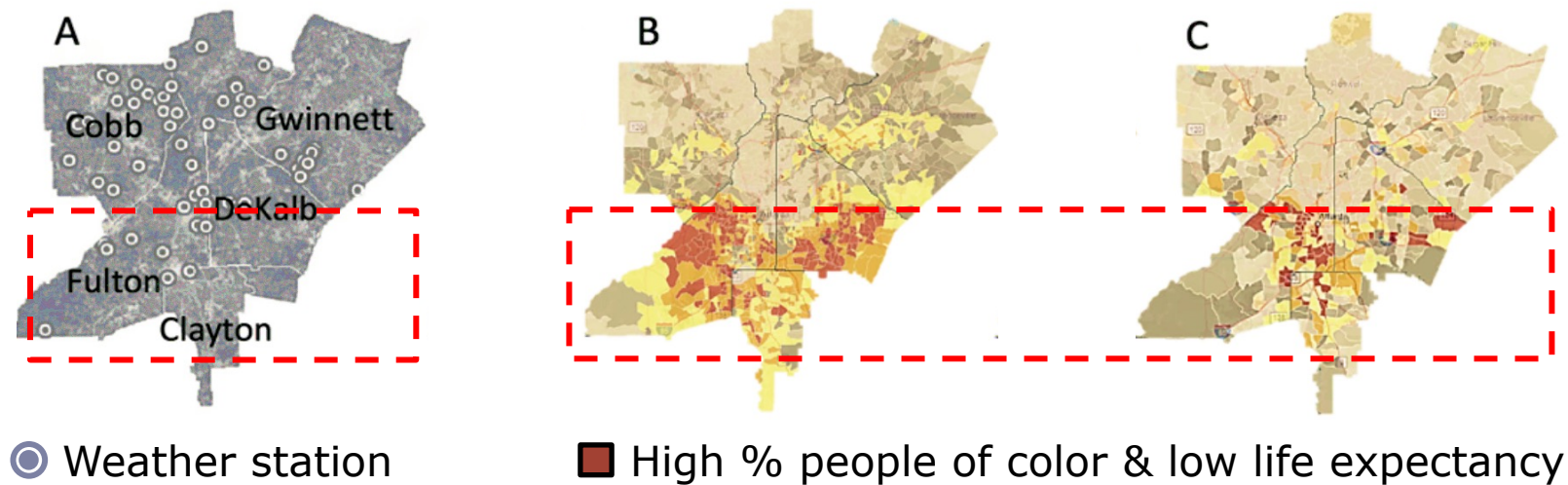
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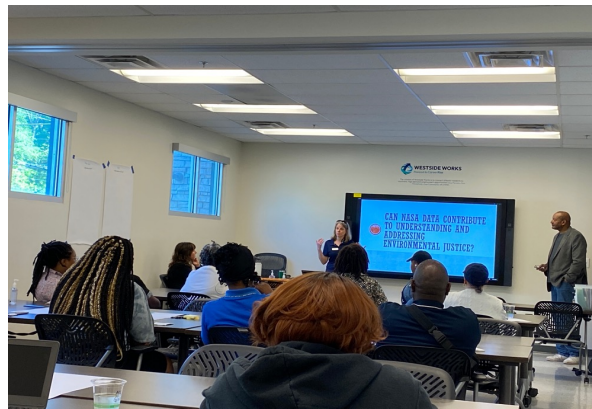
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➤ Motivation

- Under-resourced communities face higher health risks due to disproportionately distributed environmental exposures.
- In South Atlanta, the lack of ground monitoring sites presents a challenge for decision-makers in quantifying these exposures and investigating their health effects.



➤ Community Engagement Activities

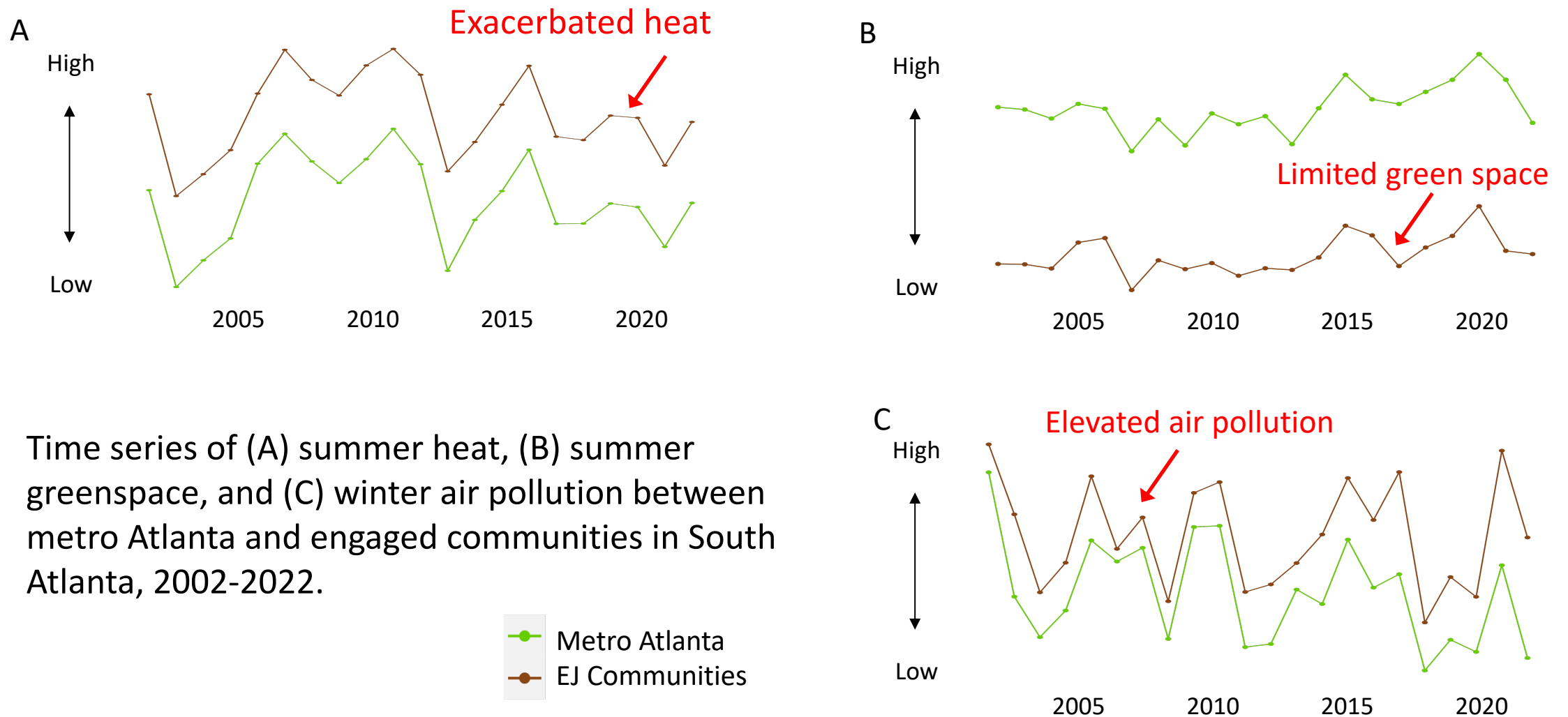


“Go to the people. Live with them. Learn from them. Love them. Start with what they know.” — Lao Tzu, Chinese philosopher

➤ NASA Earth Observations

Satellite Data	Human Exposure	Health Outcome
Aerosol Optical Depth	Air pollution	CVD
Land Surface Temp.	Extreme Heat	Kidney Disease
Precipitation Index	Flooding & Drought	Drowning & Injuries
Precipitable Water	Expanded Vector Activity	Malaria
Watercolor	Water Contamination	Diarrheas
Soil Moisture	Food Security	Norovirus
Land Surface Albedo	Forced Migration	Mental Disorder

➤ Large discrepancies



Thank you!

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NASA Equity and Environmental Justice Emory Team