# e-JUST — Environmental Justice using <u>Urban Scalable Toolkit</u>

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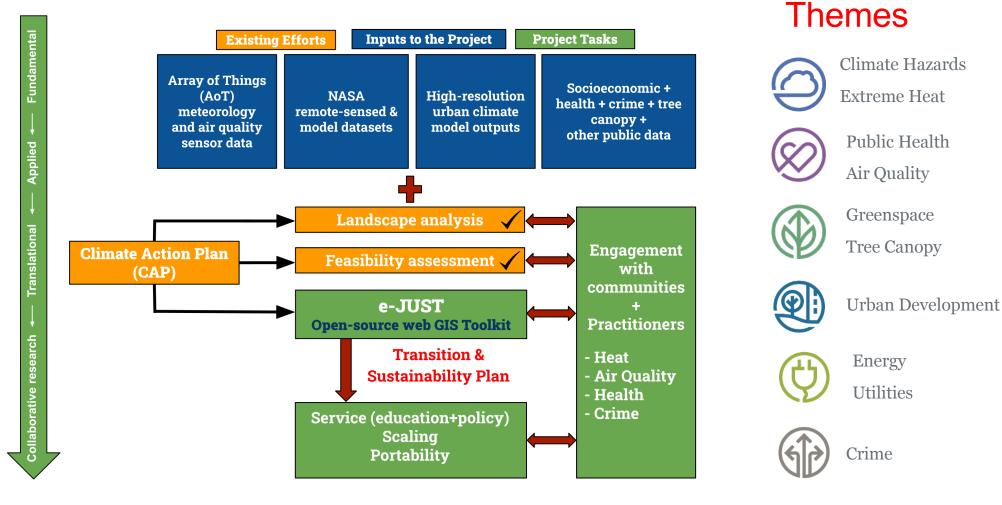
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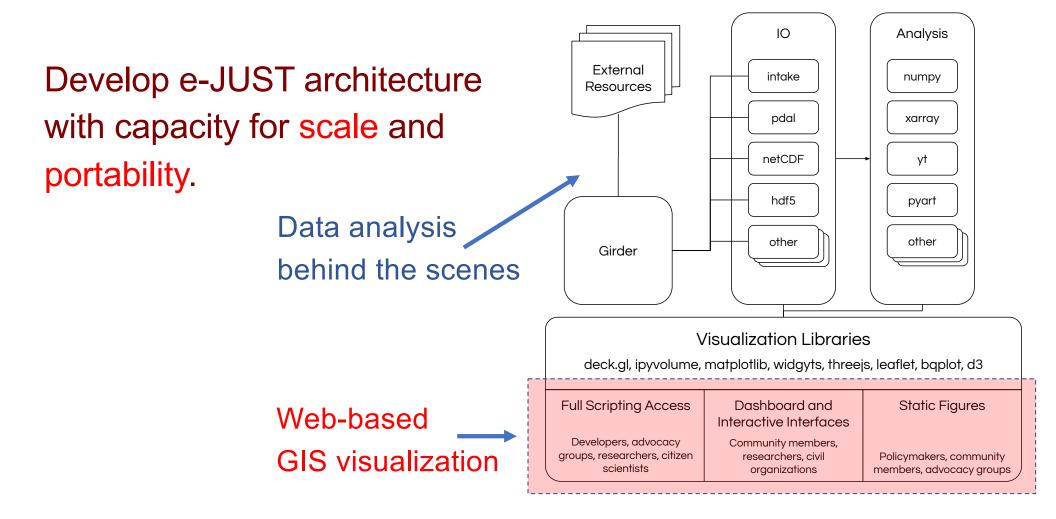
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A federal funded collaborative project between UI system and MMC



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Co-identify extreme heat and air quality threats to health, equity, and crime.

- Gather community-based inputs (citizen engagement via participatory sessions, citizen commissions, etc.)
- Heat Vulnerability Index (HVI)
- Crime mapping

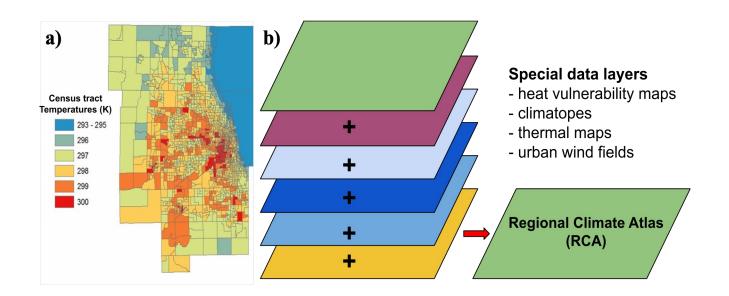
Develop integrated products for equity-informed planning and

decision-making

Array of Things (AoT) meteorology and air quality sensor data

NASA remote-sensed & model datasets

High-resolution urban climate model outputs Socioeconomic + health + crime + tree canopy + other public data



Empowering communities with evidence-based measures to improve health equity and reduce crime.

- Co-produce knowledge to empower underserved and EJ communities
- Integrate health and equity focus into municipal planning and operations (MMC CAP)



# CLIMATE ACTION PLAN FOR THE CHICAGO REGION Metropolitan Mayor Coccus

#### **Planned Outcomes**

- Contribute to adopting short-term health and equity strategies
- Learning and preparing for long-term solutions to advance EJ actions

#### This project will serve

- interdisciplinary scientists and researchers;
- policymakers and their staff;
- community members;
- developers seeking to augment, utilize or build on the technology and data available through e-JUST.

# Thank you

Press release: <a href="https://blogs.illinois.edu/view/7447/55588468">https://blogs.illinois.edu/view/7447/55588468</a>

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