

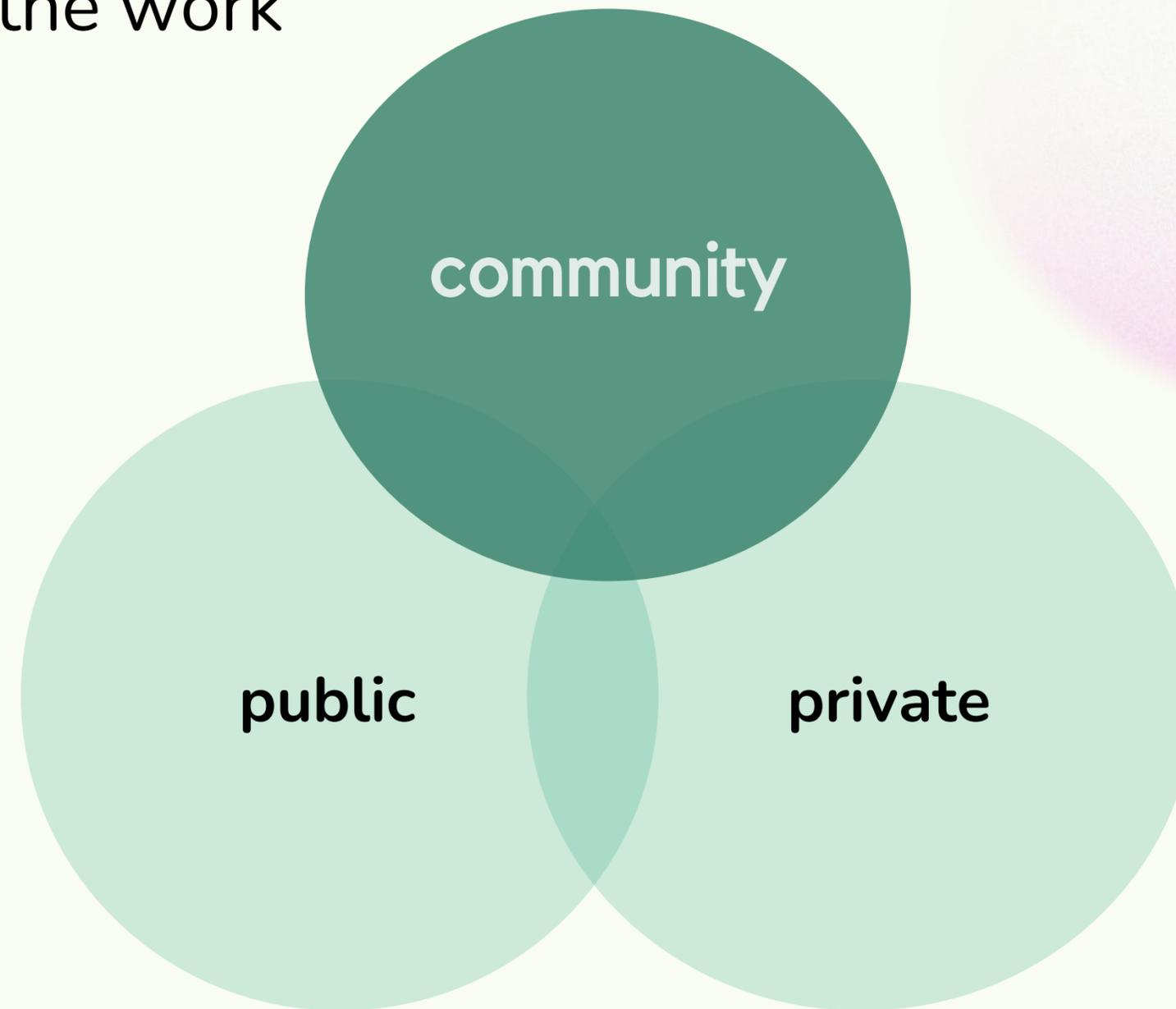
Mapping Risk and Resilience

Mapping prototype

2024 We the People Convening:
Be Bold. Be Change

Community-focused resilience

“communities doing the work”



Mapping Risk and Resilience

Provide **visibility** to the **overlap** between Washington-based:

Risk

and

Resilience

focus area: community risk & threats

- the WA Health Disparities map
- FEMA Threats to Resilience map

Equity Analytics

focus areas: community resilience

- “communities doing the work”
- community economic adaptation to climate
- community-focused “circular” economies

Traversal Design

Mapping Risk and Resilience

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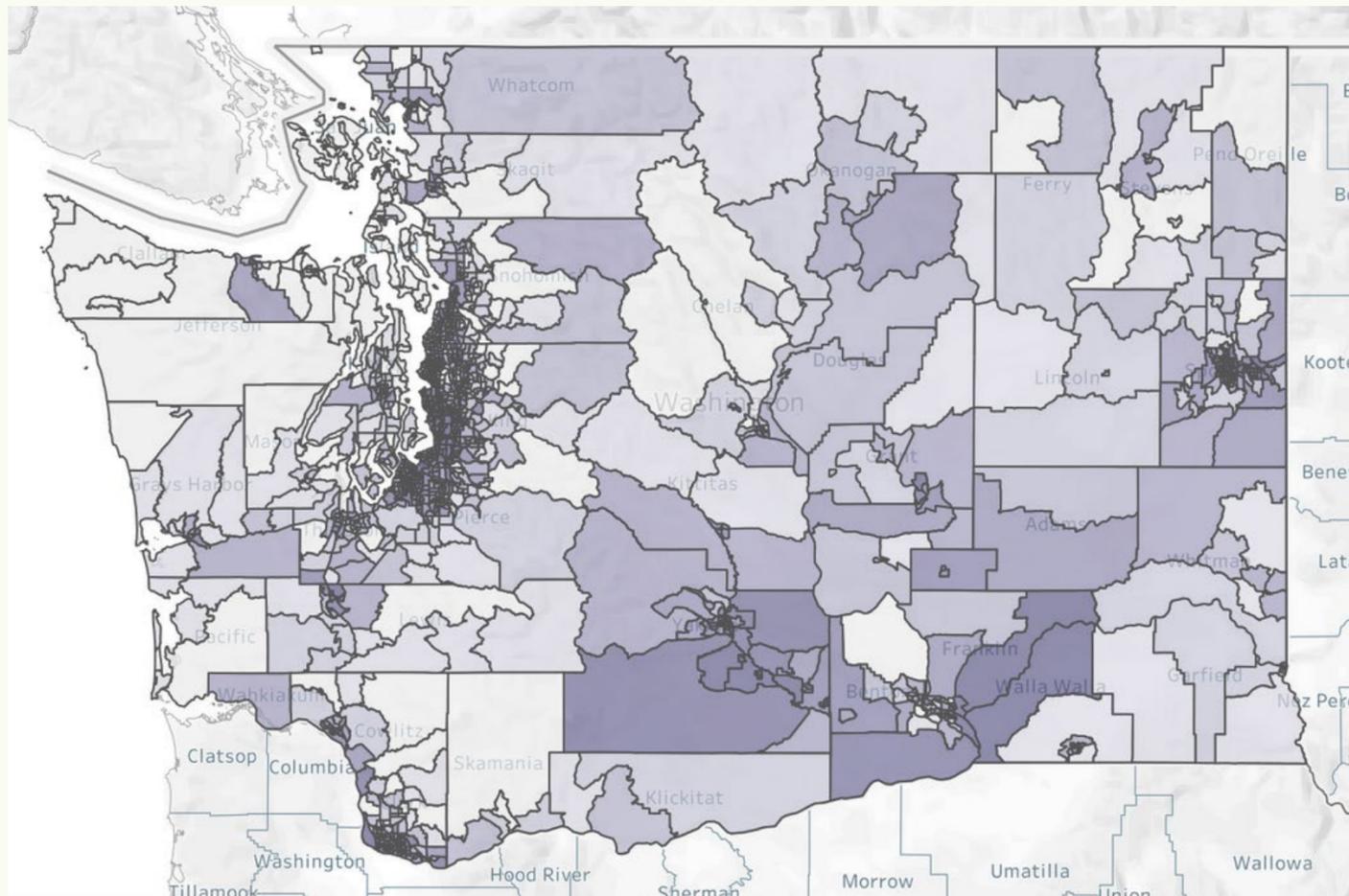
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Traversal Design

Mapping Risk & Threats to Resilience



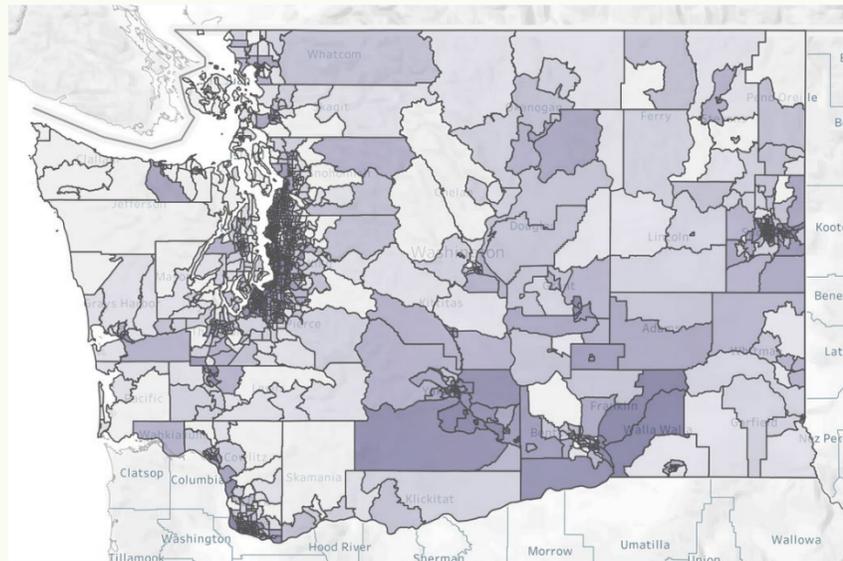
Environmental Impact on Communities

Washington Department of Health Environmental Health Disparities Map

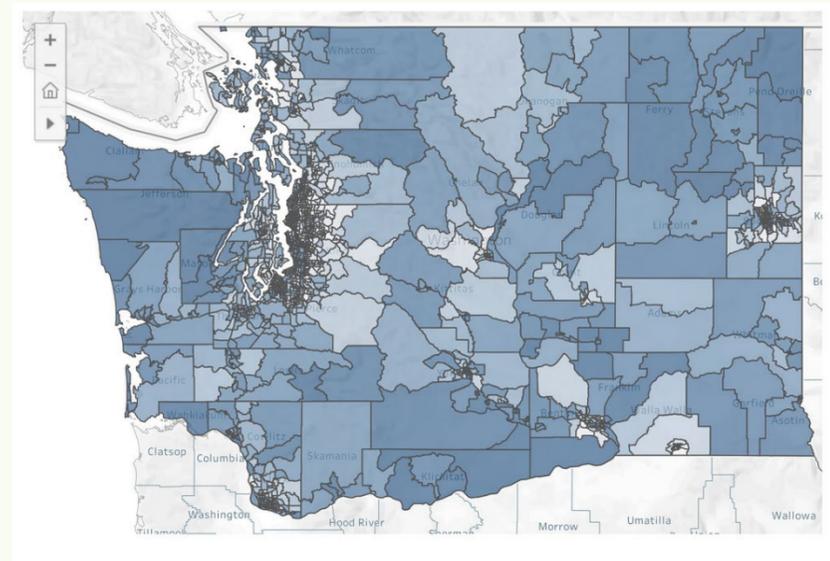
Higher index (darker color) indicates:

- Higher environmental risk from:
 - pollution burden
 - exposure to toxins
 - other environmental hazards
- More sensitive & vulnerable populations

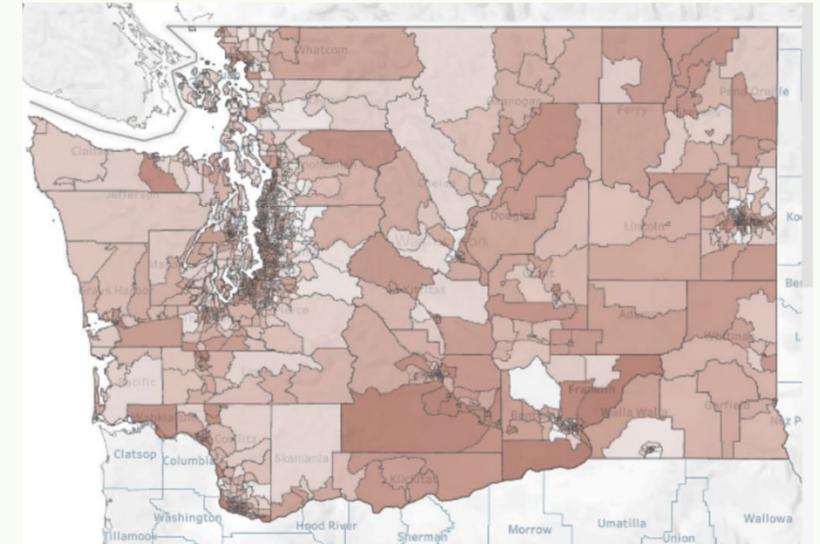
Mapping Risk & Threats to Resilience



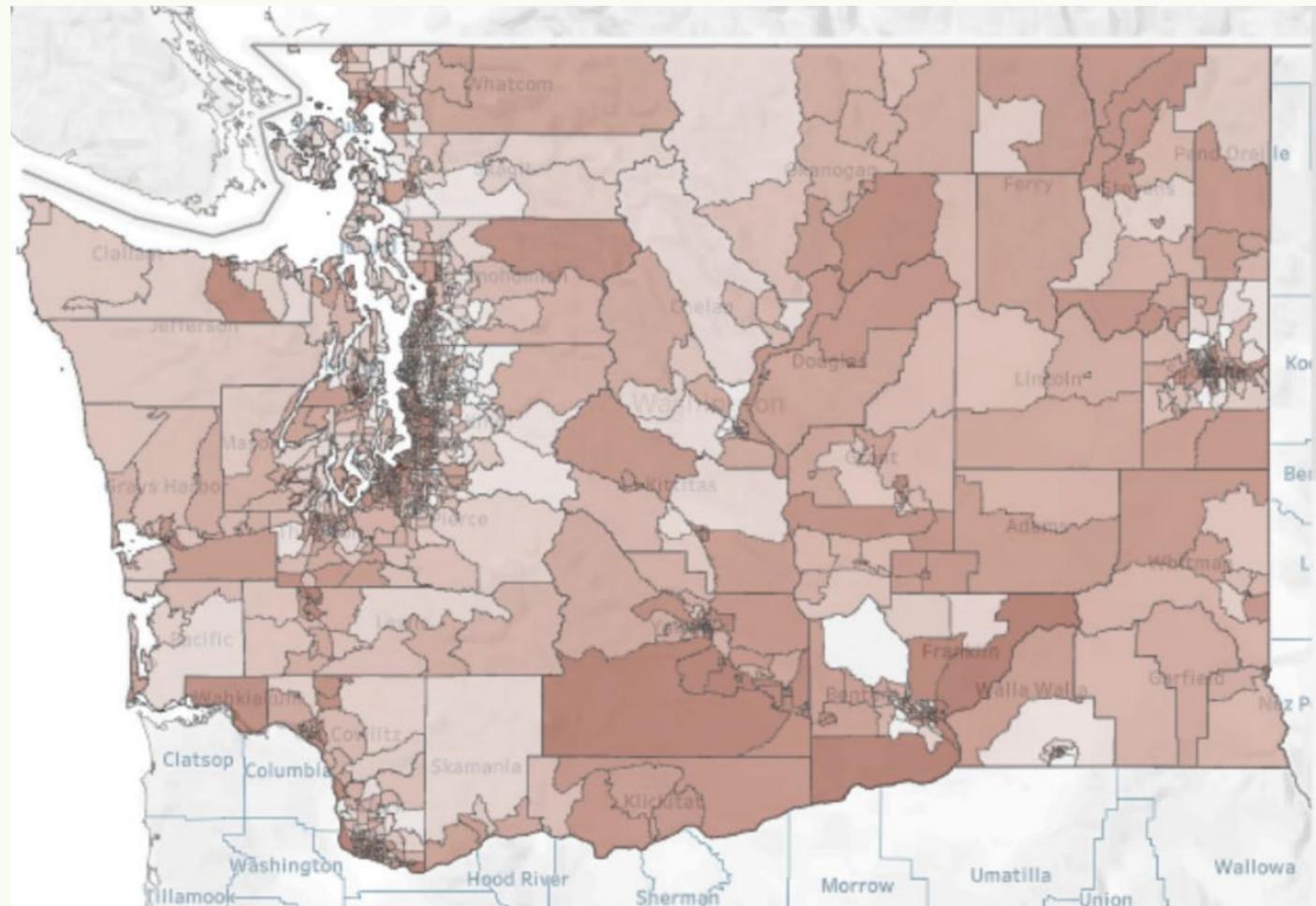
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Mapping Risk & Threats to Resilience



Environmental Health Risk and Threats to Resilience

Choropleth map with census tracts shaded to indicate their percentile rank. The result compares each census tract to all other tracts in Washington State.

More reflective of full experience of communities

Built as an interactive tool to allow

- macro and micro assessment
- interaction with other relevant data

Mapping Resilience

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Mapping Circular Resilience

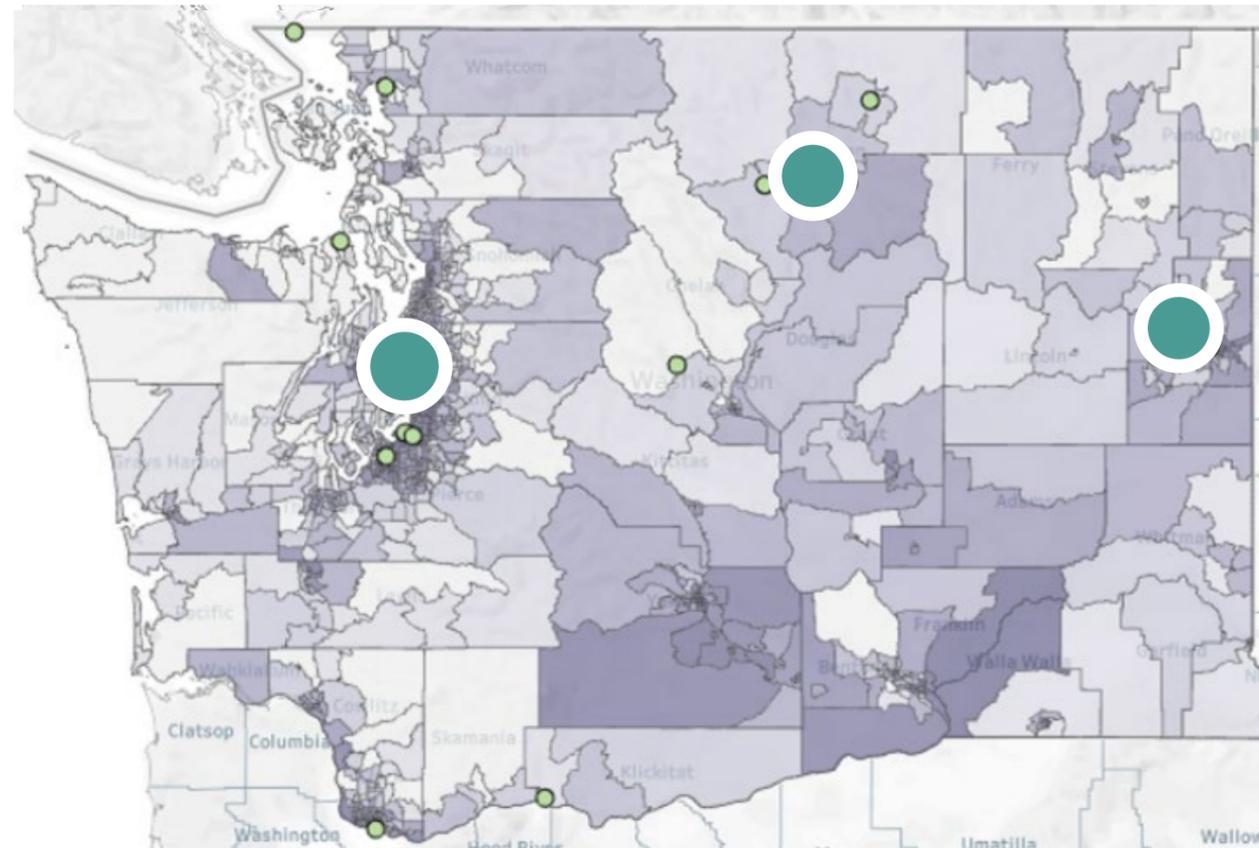
NEXTCYCLE
WASHINGTON

Community-focused circular economy + funding and technical support

Community
repair in NW
Washington

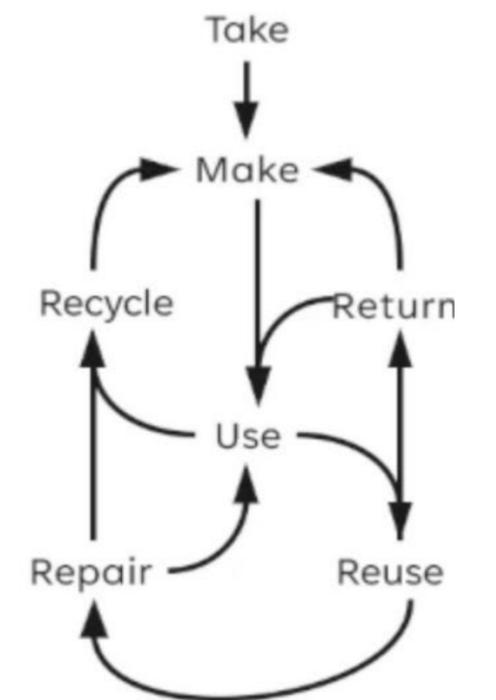
Community reuse
in central WA

Community-focused
deconstruction
in eastern WA



FEMA Risk Percentile	EHD Risk	Risk & Resilience Factor
95.2	10	95.2

Circular
Economy

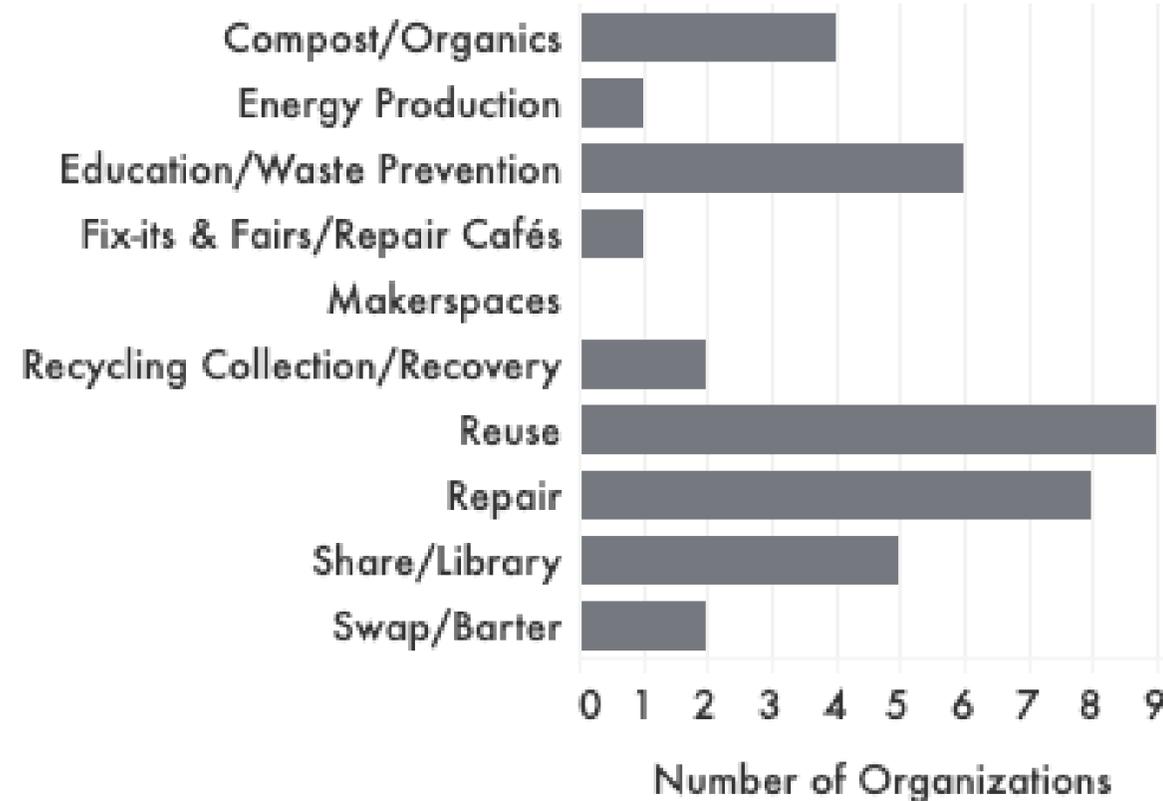


Mapping Circular Resilience

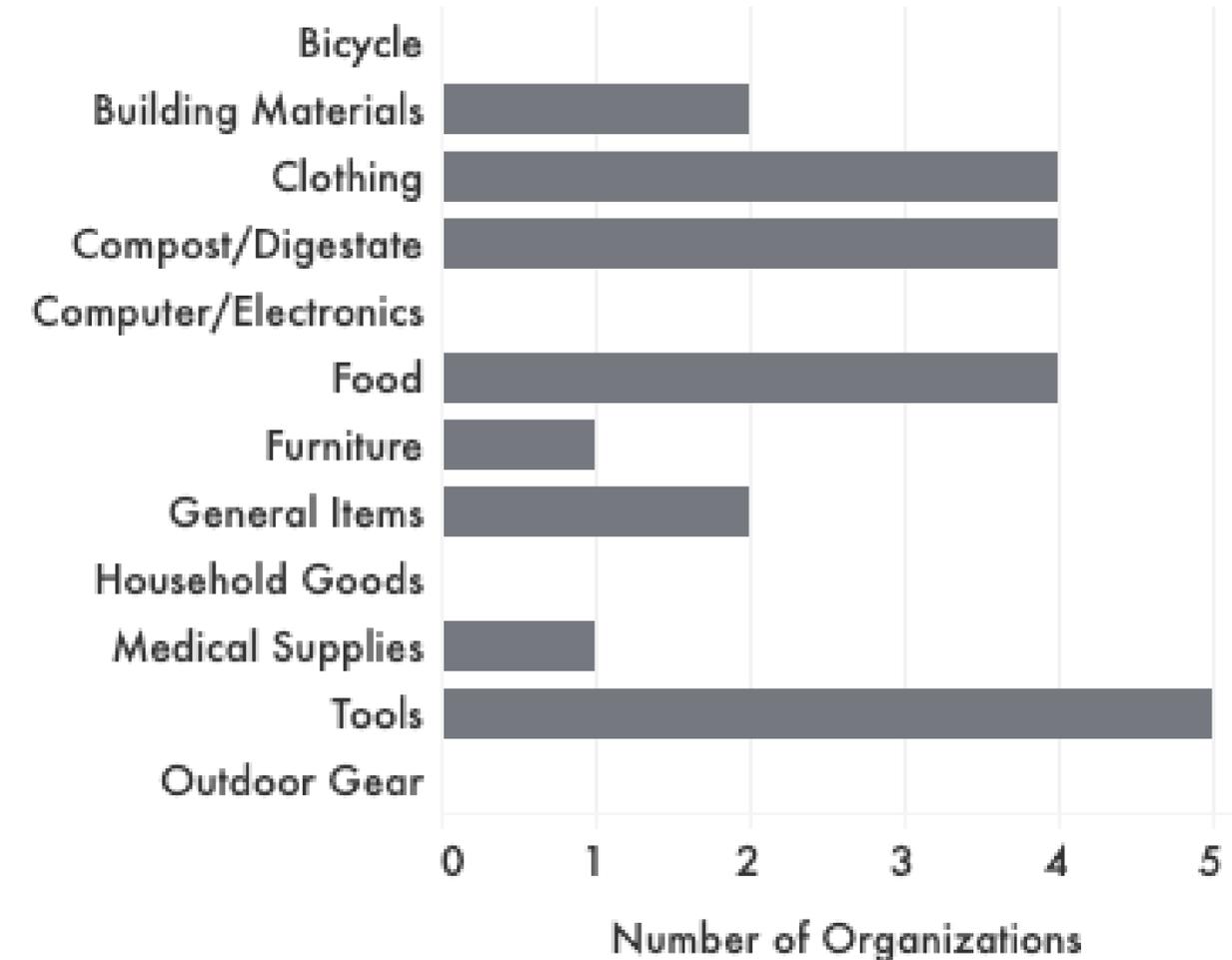
NEXTCYCLE
WASHINGTON

Community-focused circular economies, building hyper-local resilience

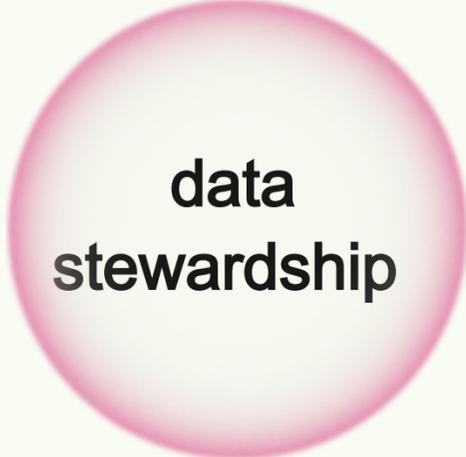
Type of Circular Activity



Materials



Findings



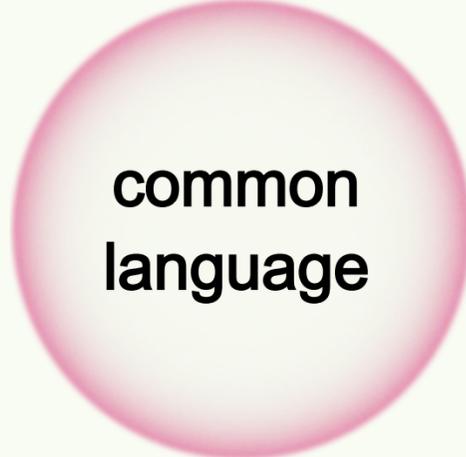
**data
stewardship**

Data collection and reporting can do harm if not engaged in thoughtfully



**funding
visibility**

Visualizing funding flows vs community need can highlight funding opportunities



**common
language**

Resilience offers a common language amongst disparate, siloed communities

Continued Questions

How might we co-design ways to visualize gaps and opportunities of community-focused support?

- Funding and technical support
- Circular economy and beyond

How might we be good data stewards, as this information is sensitive?

- Data privacy concern
- Collaborative story-telling

Thank you!

Equity Analytics

Traversal.Design

**NextCycle
Washington**