Seattle future wise Climate Challenges Atlas

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future Overview wise

- About Futurewise
- Equity Atlas Projects Evolution
- Research Justice
- Overview of an Organizational Narrative

future About Futurewise wise



- Concentrated urban growth
- Sprawl reduction
- Regional transportation
- Affordable housing
- Economic development
- Property rights
- Permit processing
- Natural resource industries
- Open space and recreation
- Environmental protection
- Public participation
- Public facilities and services
- Historic preservation
- Shoreline management
- •CLIMATE
- •RACIAL EQUITY / SOCIAL JUSTICE

future Equity Reports & Process wise

Reports:

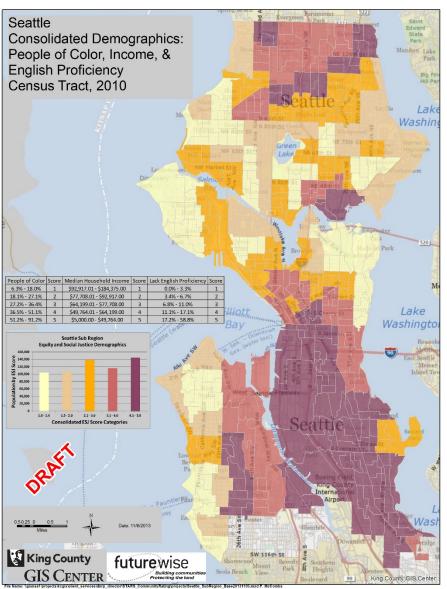
- King County Baseline Equity Assessment (2013)
- Seattle Health and Equity Assessment (2015)
- Seattle Climate Challenges Atlas (2017)

Process:

- Engagement with community/partners
- Research and documentation
- Partner review, policy implementation

future Seattle King County Regional Equity Assessment (2013)





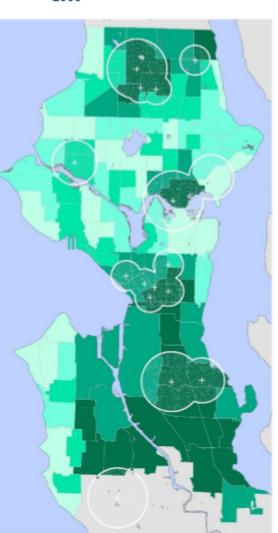
future Seattle Health and Equity Assessment (2015)

Public Health Facilities 2000

What areas of Seattle have access to public health facilities?

This map depicts areas in 2000 with close proximity to public health facilities related to diversity, income and English proficiency at the consus track level in Secttle.

Legend Community Characteristics Loss Diverse, Higher Income, & Higher Englan Problemer, & England P

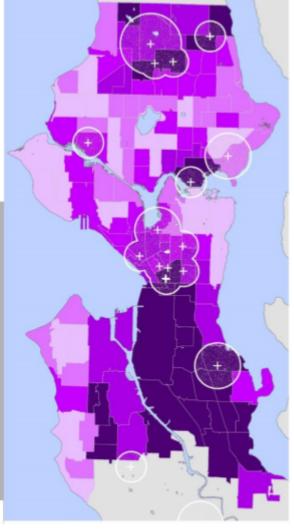


Public Health Facilities 2010

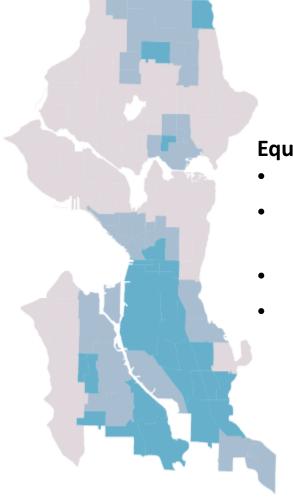
What areas of Seattle have access to public health facilities?

This map depicts areas in 2010 with close proximity to public health facilities related to diversity, income and English proficiency at the census track level in Seattle.





Seattle Climate Challenges Atlas (2017) future wise Bivariate Choropleth Map



Equity Index:

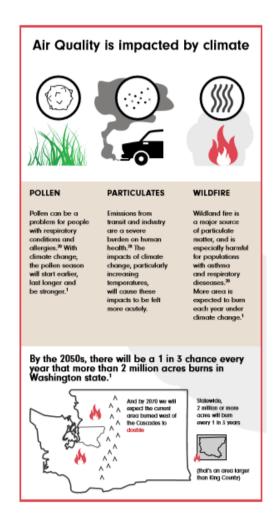
- People of Color
- At or below 200% of federal poverty line
- Born outside the US
- Limited English proficiency

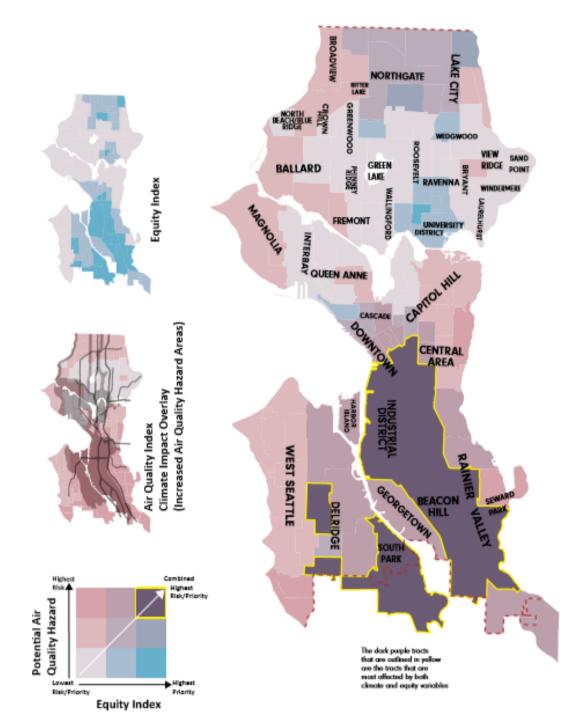
Equity Basemap:

Dark blue areas have the highest equity index scores, and the grey areas have the lowest equity index scores.



future wise Seattle Climate Challenges Atlas



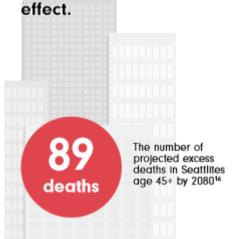


Urban Heat Island Effect

future wise Seattle Climate Challenges Atlas

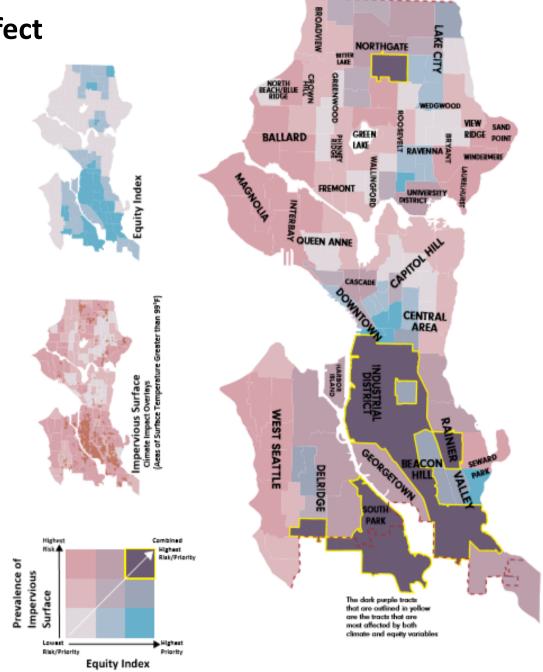
EXTREME HOT DAYS

will happen more often in the future, and Seattle will heat up more due to the urban heat island



URBAN HEAT ISLANDS

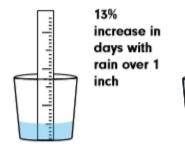
Cities can be as much as 27°F warmer than their surrounding undeveloped areas due to the Urban Heat Island Effect. 17



Affordable Housing future wise in the Flood Zone

Seattle Climate Challenges Atlas

By 2100



22% increase in days with rain over 3 inches

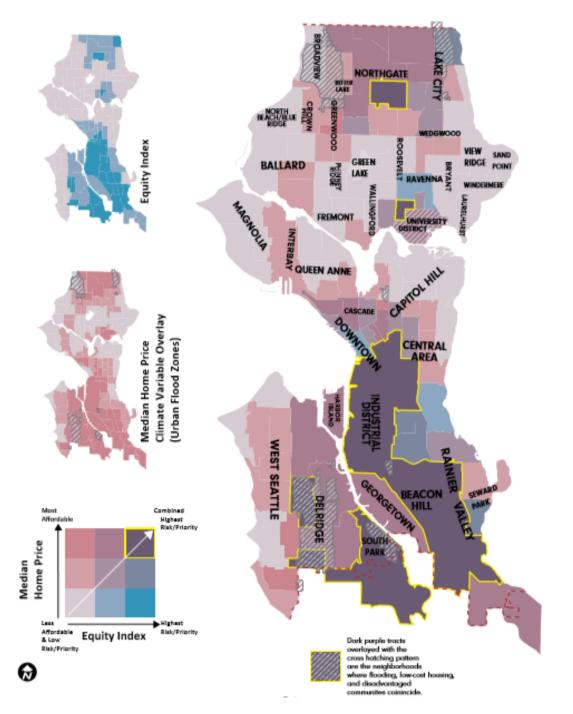
In the Puget Sound region, extreme precipitation events will intensify and occur more frequently. By the end of the century, the number of days with rain over 1 inch is project to increase by 13%, and the number of days with rain over 3 inches is projected increase by 22%.

Urban Flooding Areas29



39,000 people in Seattle live in an area vulnerable to flooding, and flooding more frequently under climate change (dark blue).²⁸

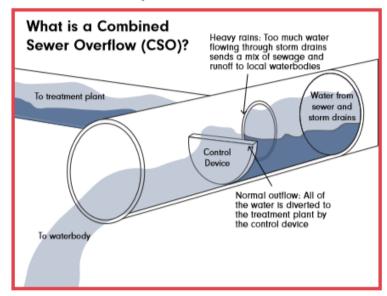
39,000 people

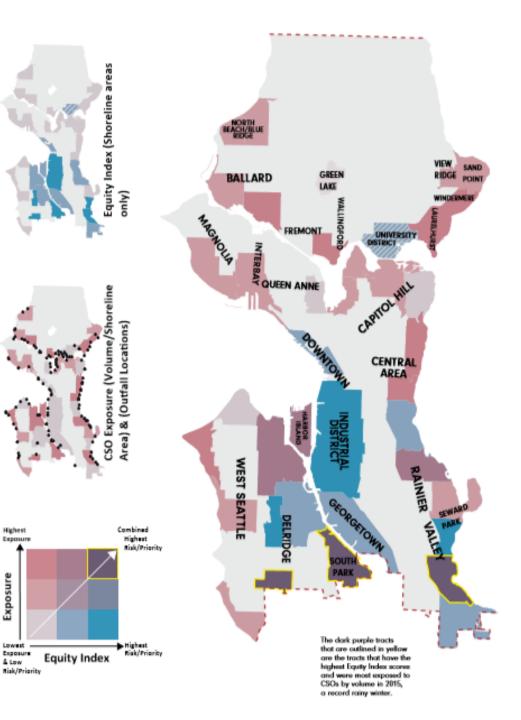




UNTREATED STORMWATER

threatens humans and habitat and there will likely be more of it







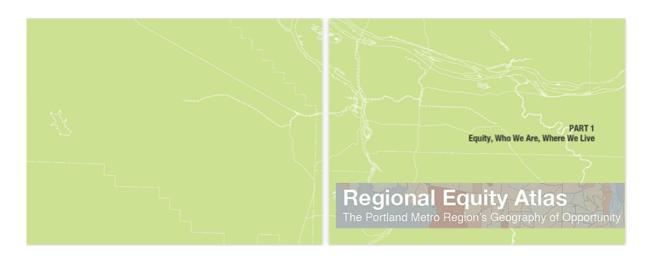
Combined Sewer

Overflows

future Transition wise

Process:

- Engagement with community/partners
- Research and documentation
- Partner review and policy implementation





- A strategic framework that seeks to achieve selfdetermination for marginalized communities. It centralizes community voices and leadership in an effort to facilitate genuine, lasting social change.
- Achieved when marginalized communities are recognized as experts, and reclaim, own and wield all forms of knowledge and information. With strategic support, the knowledge and information generated by these communities can be used as political leverage to advance their own agendas for change.

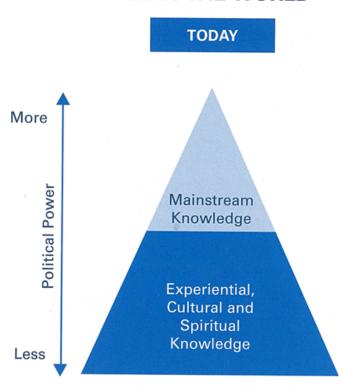


In order for this to become reality, the community must have:

- Control over information and knowledge that impact them;
- Capacity to produce their own information and knowledge and wield it to effectively advance their agenda;
- Equal access to information outside of the community despite increasing commodification, privatization, and hyper-abundance of information;
- Authority to determine 'validity' and 'credibility' of information and knowledge, and methods to create them...on equal footing with all other institutions in society.



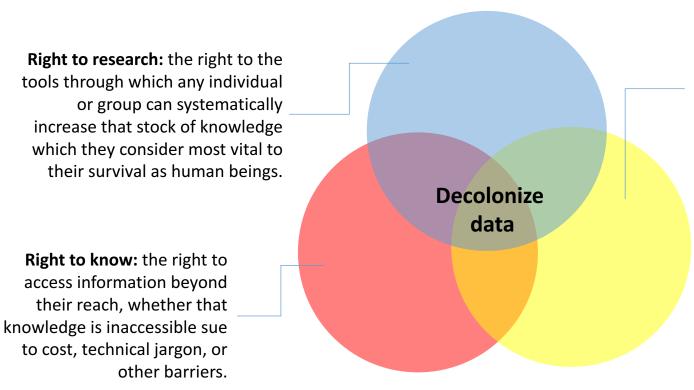
KNOWLEDGE IN THE WORLD





A framework for research justice:

Communities are experts in their own lives, possessing experiential, historical and cultural knowledge which must be centered in any data research initiative. To that end, we believe that communities have a:



Right to be heard: the right to use social science tools – such as surveys, interviews mapping, etc. – to package their knowledge as data to convey to decision-makers and other chosen audiences.

future Intentional Engagement wise







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