# GRASSROOTS giving neighbors a sense of community

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#### Unexpected Insights

#### 1. Pioneers

central neighbors take the initiative to build community

#### 2. Involvement

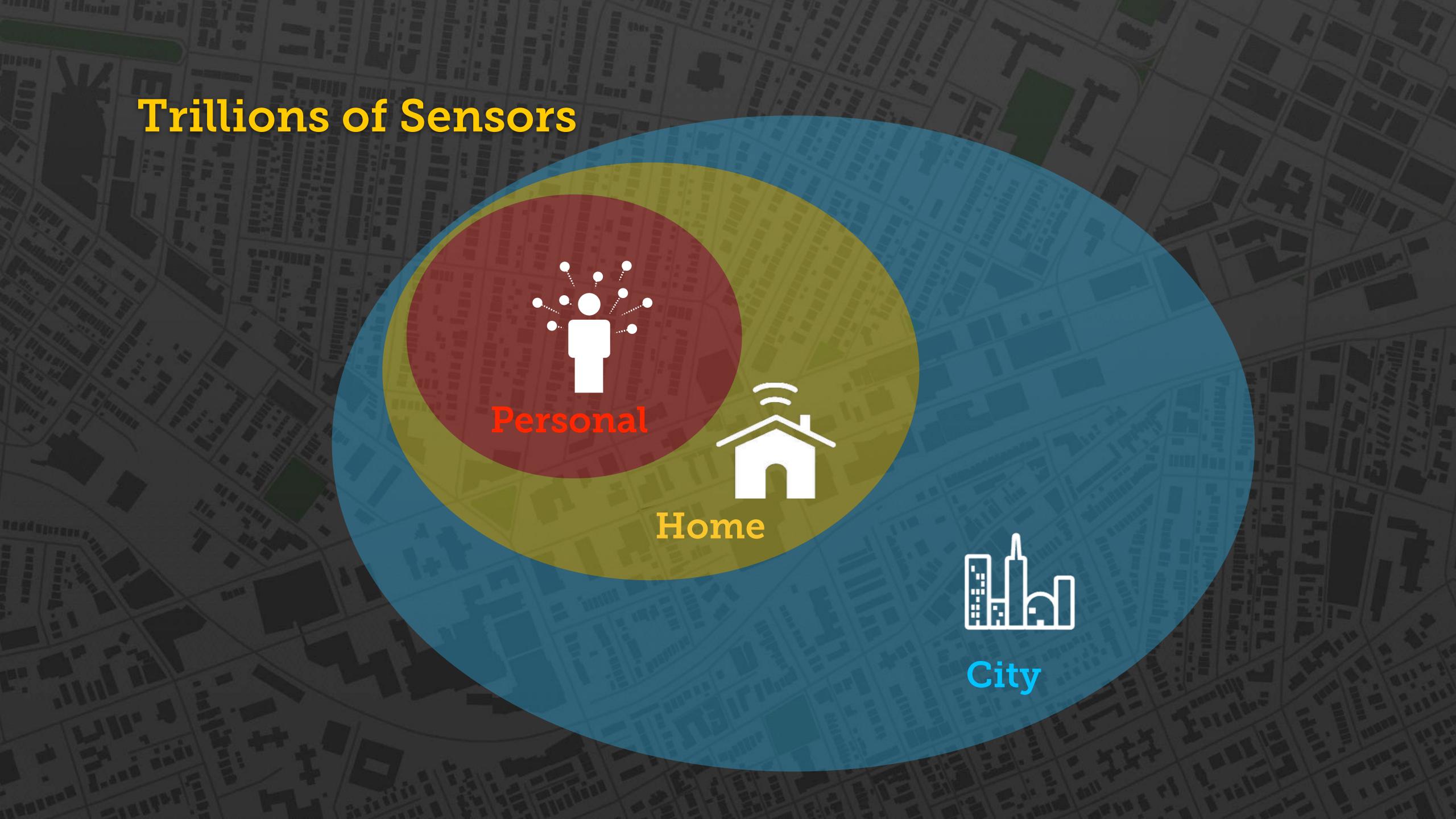
neighbors want to be involved, but are held back by logistics

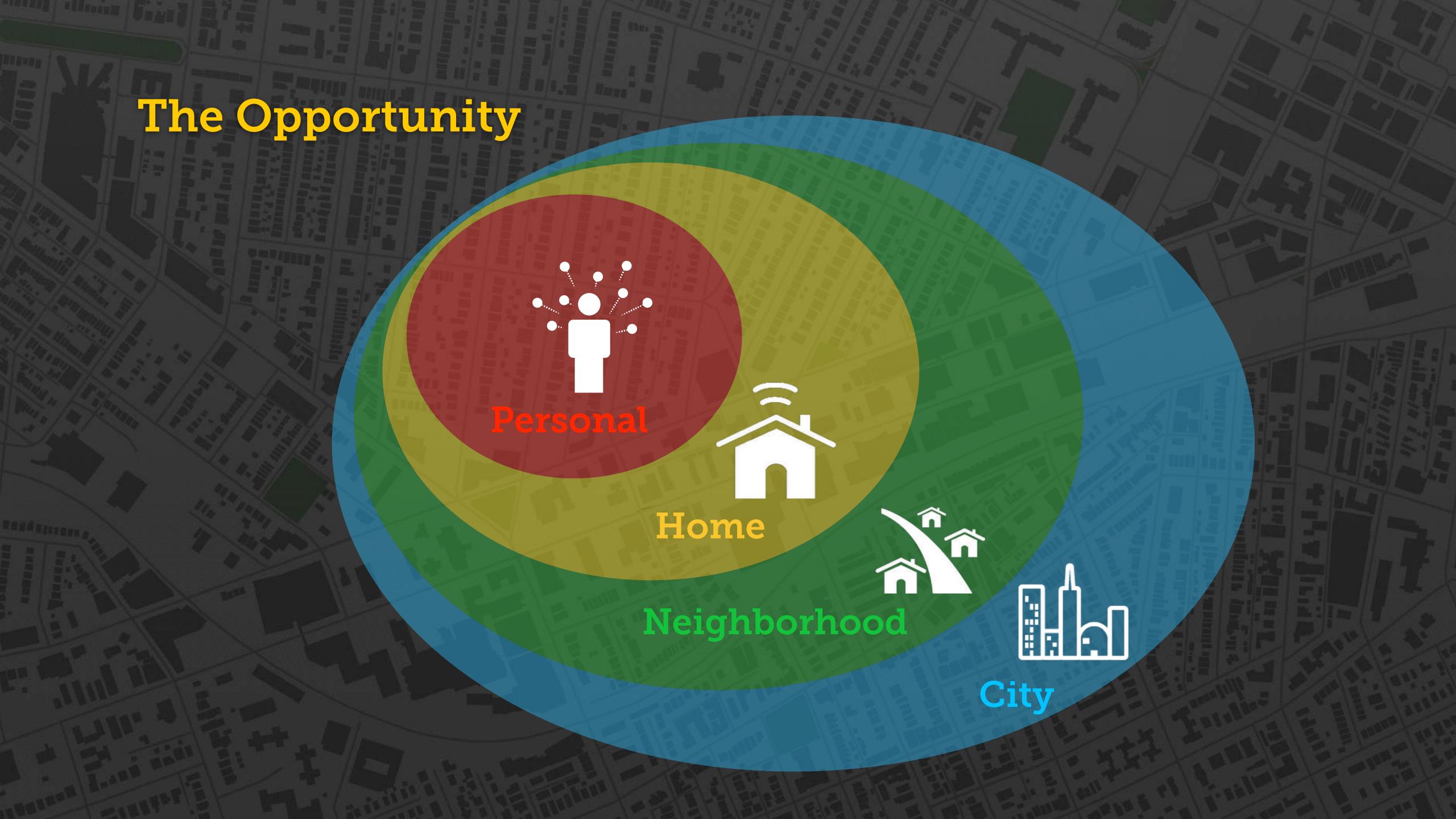
#### 3. Sharing

people trust their neighbors, even if they don't know them

### 4. Technology

people want to use technology to improve their neighborhoods



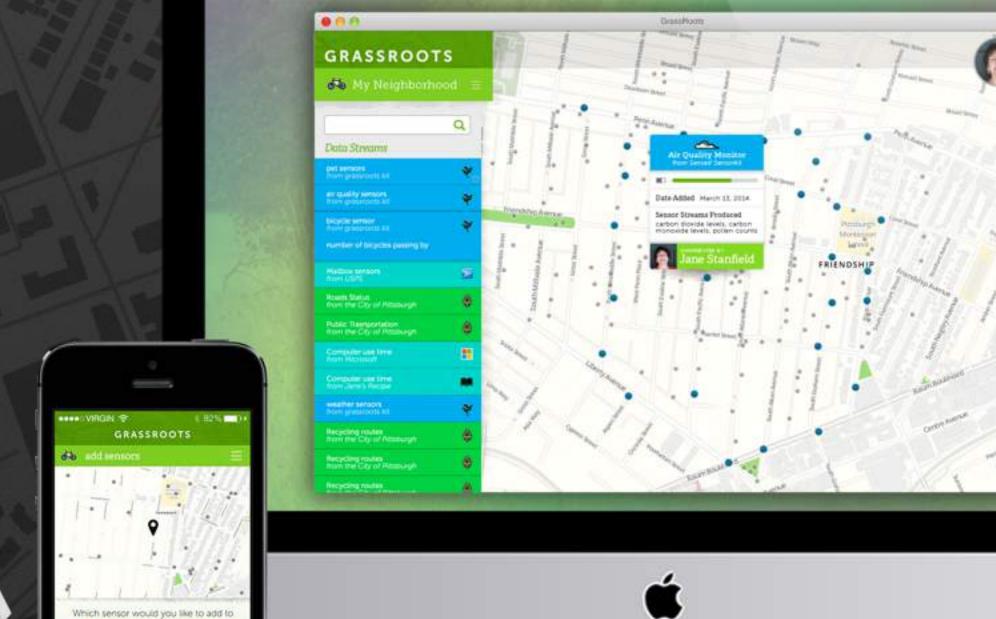


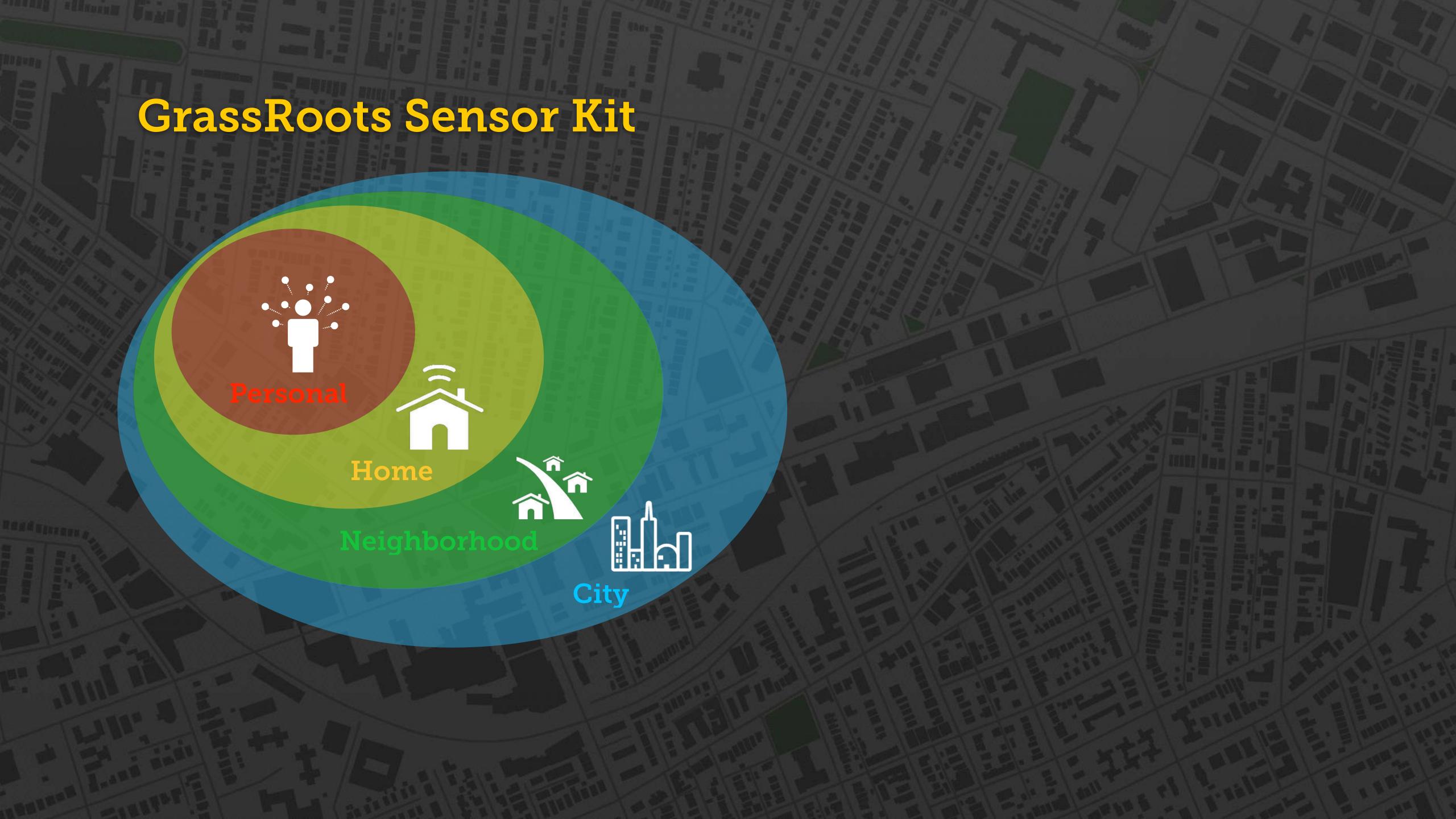
## GRASSROOTS

giving neighbors a sense of community







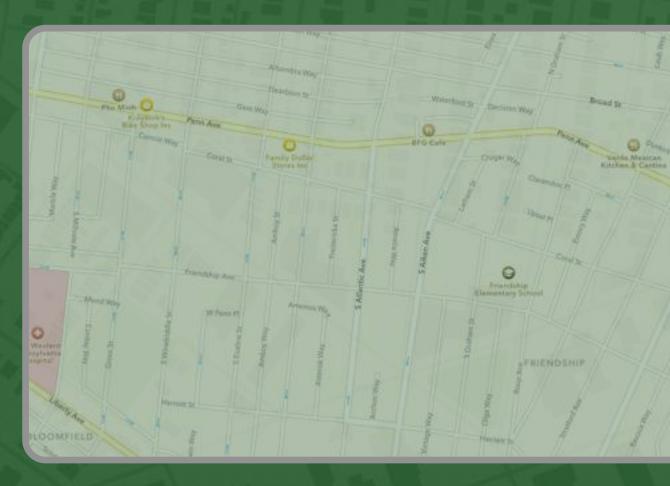












#### **GRASSROOTS** SENSOR KIT

plants

Use this sticker on plants and in gardens to measure the health, growth, and type of greenery.



#### GRASSROOTS SENSOR KIT

weather

Use this sticker anywhere to measure weather conditions and changes in the neighborhood.



#### GRASSROOTS SENSOR KIT

pedestrians

Use this sticker anywhere to measure pedestrian and foot traffic on the street and sidewalk.



#### GRASSROOTS SENSOR KIT

noise

Use this sticker anywhere to measure noise levels and frequency on the street or sidewalk.



proximity

#### **GRASSROOTS** SENSOR KIT

Use this sticker anywhere in soil to measure present nutrients or pollutants around the neighborhood.



#### GRASSROOTS SENSOR KIT

air quality

Use this sticker anywhere to measure bicycle traffic on the street, sidewalk, and bike object data.



#### **GRASSROOTS** SENSOR KIT

bicycles

Use this sticker anywhere to measure bicycle traffic on the street, sidewalk, and bike object data.



#### GRASSROOTS SENSOR KIT

pets

Use this sticker anywhere to measure pet location, motion, and frequency in the neighborhood.



#### GRASSROOTS SENSOR KIT

public transportation

Use this sticker anywhere to measure bus and other public transportation traffic or location.



Use this sticker anywhere to measure the proximity to another object or create a boundary.



#### GRASSROOTS **GRASSROOTS** SENSOR KIT SENSOR KIT

wildlife

Use this sticker anywhere to measure wild life locration and frequency in the neighborhood.



#### **GRASSROOTS** SENSOR KIT

vehicles

Use this sticker anywhere to measure car traffic on the street and automobile object data.





Neighborhood





Neighborhood



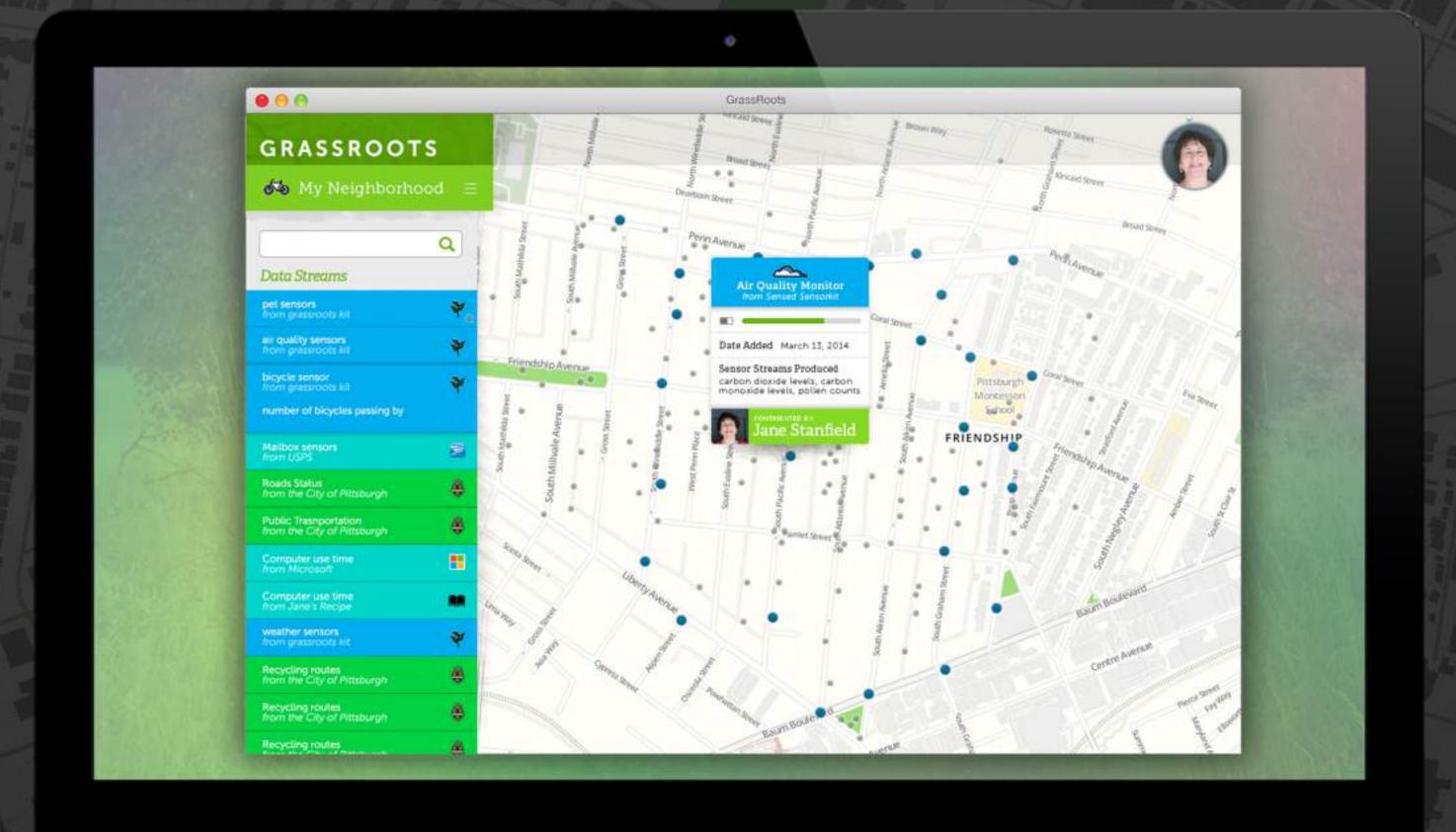
#### GrassRoots Platform



# Gather Data



My Neighborhood





## Gather Data



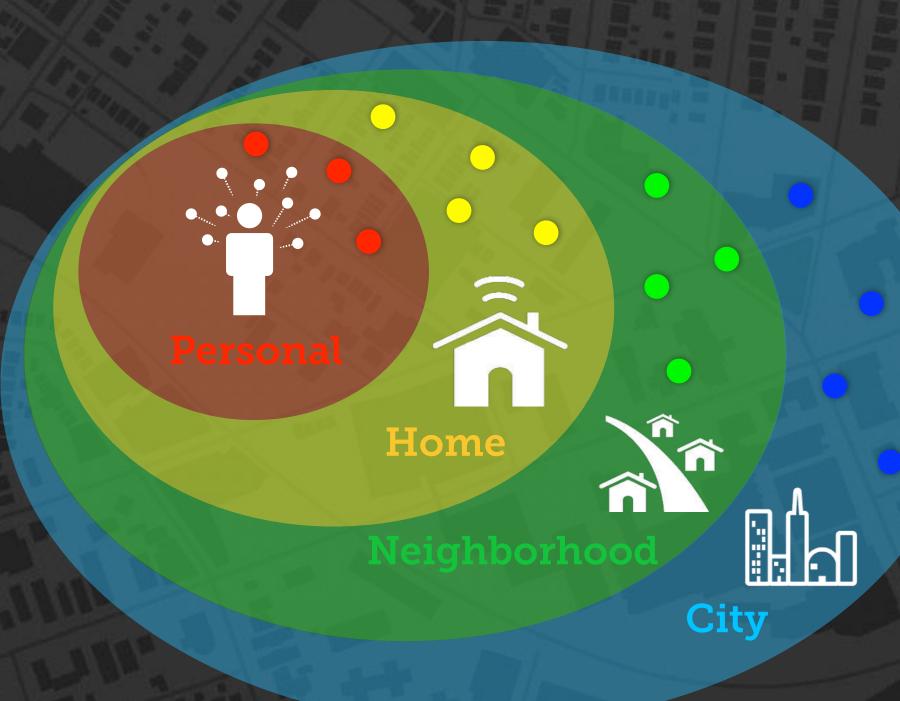
My Neighborhood



My Data



## Create Recipes

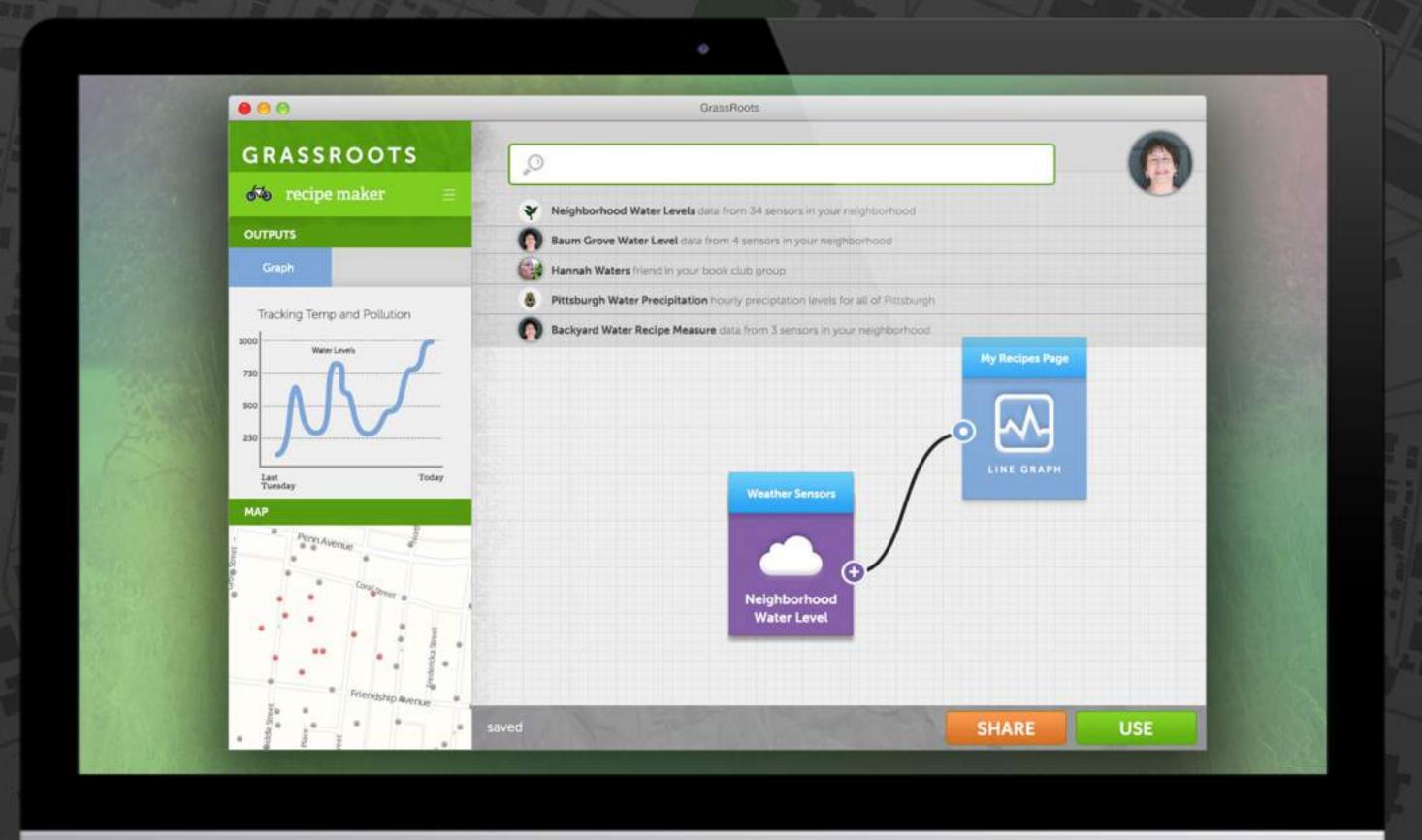






## Create Recipes







## Share & Grow







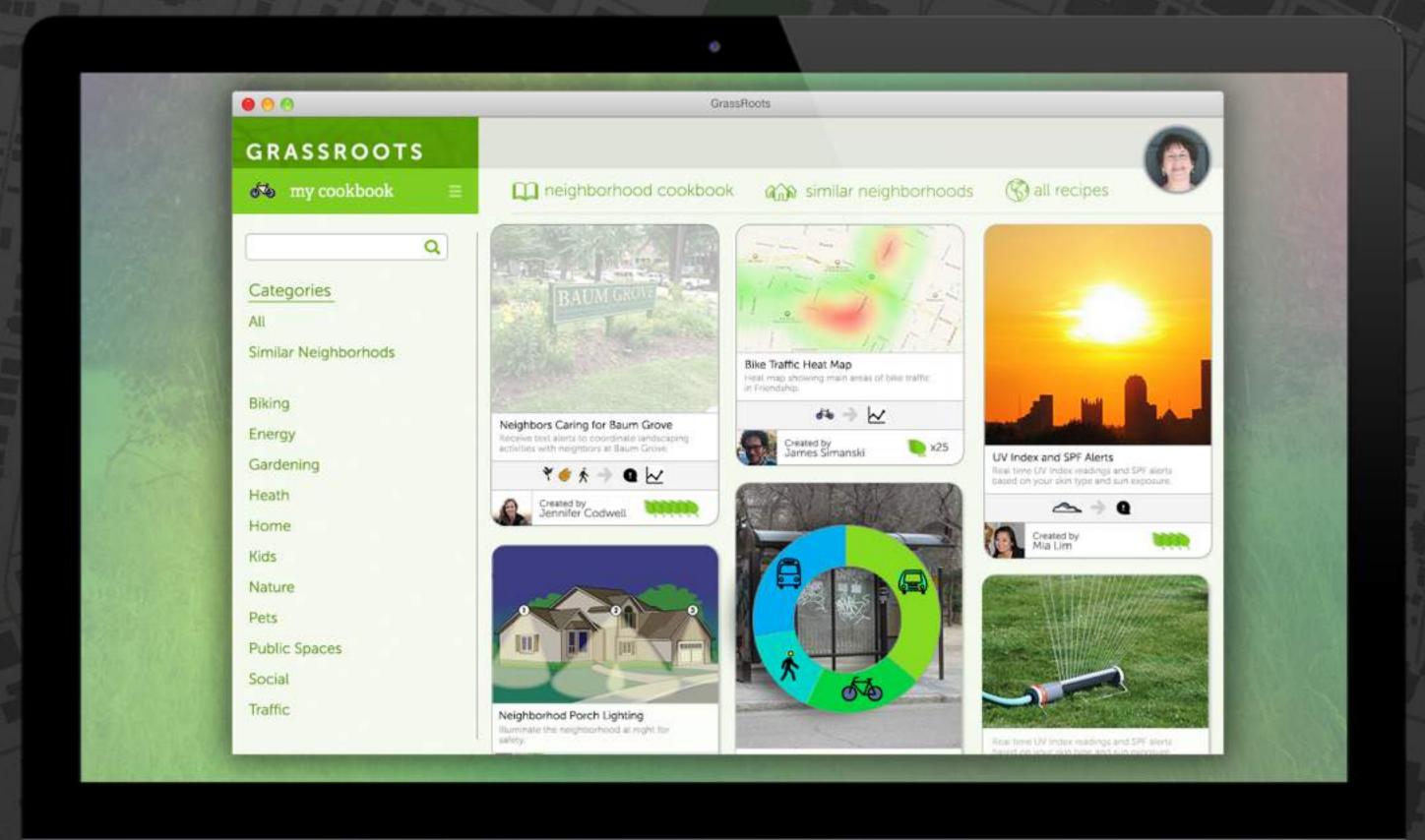
## Share & Grow



My Recipes



Cookbook







Improving neighbor connections



Melissa
New Neighbor
and Mom

Rallying a neighborhood together



Rick
Neighborhood
Organizer

City-wide community advocacy



Scott

Pittsburgh Bike advocate

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#### **Image Credits**

Noun Project: Sprinkler Icon designed by Amelia Wattenberger

Flickr: Tony Fischer (tonythemisfit), Jon Parise (jparise), and Pete (doviende)