

What have we learned so far?

Building community resilience together

partnerships for the future of Maricopa County

Dr. Patricia Solís, Executive Director

 **Knowledge Exchange
for Resilience**

Arizona State University

Community Resilience

“Resilience is the capacity for communities, institutions, and individuals to respond and adapt to shocks and long-term stresses. These shocks and stressors can occur broadly to society, economic systems, and to the physical environment.”



Building Resilience

Requires the ability to:

- a) identify vulnerabilities and current response mechanisms;
- b) collect, analyze, and visualize vast diverse data;
- c) establish a network of collaborators capable of investing and responding;
- d) allocate human and financial resources for systematic impact and transformation.



Share. Discover. Respond.

- What do we mean by community resilience?
- How can we build it?
- Why should we?
- Where can we see examples in action?
- Who is taking action and what can I do?

Share.

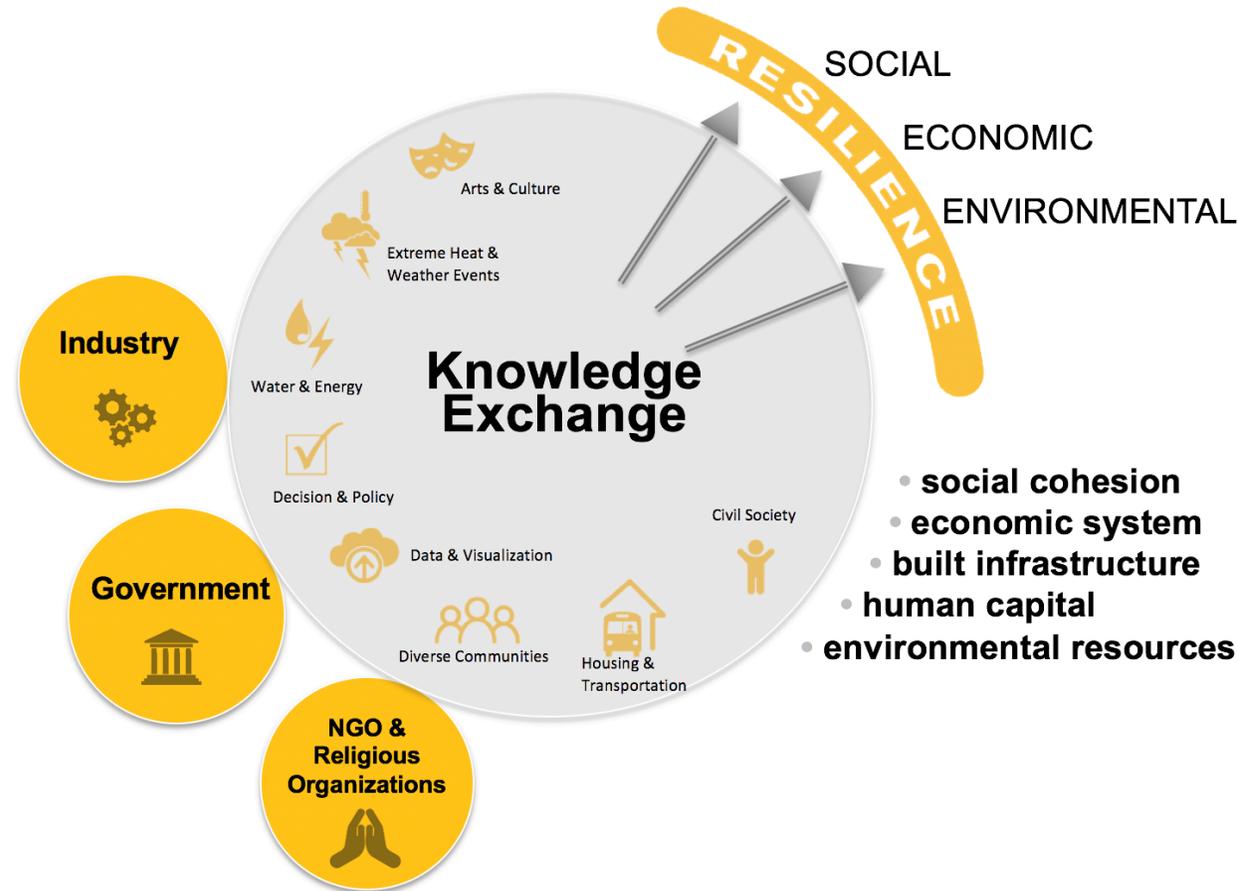
Share

What do we mean by sharing to build community resilience?



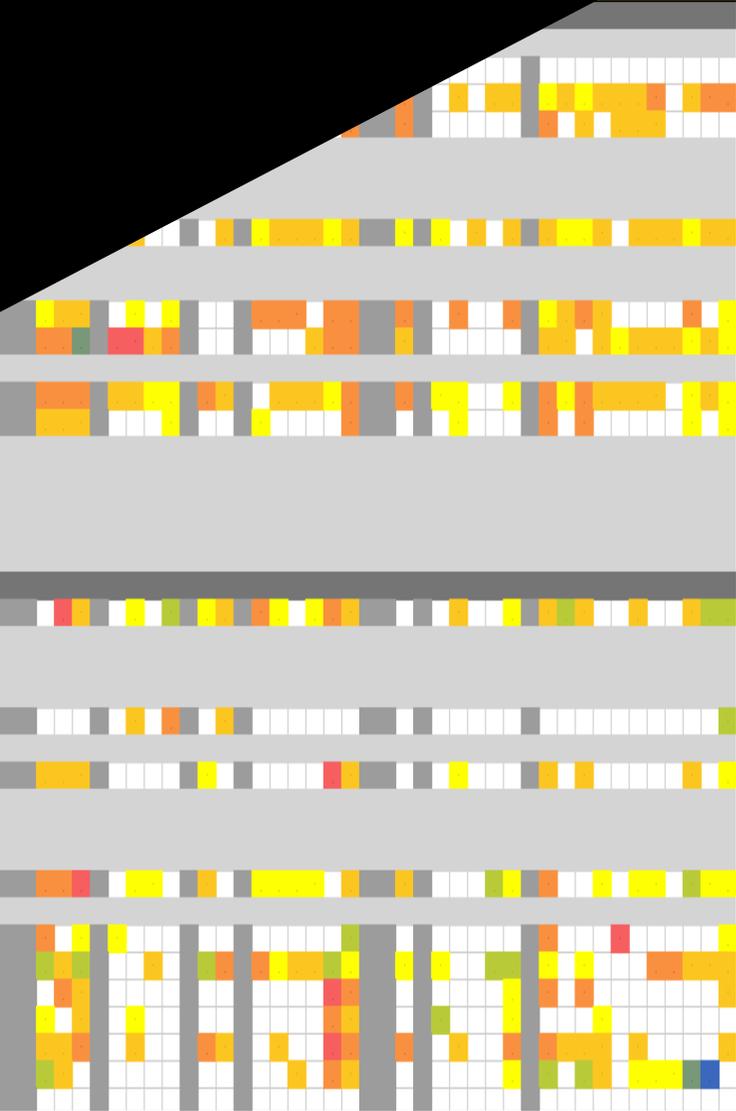
Share

What do we mean by sharing to build community resilience?

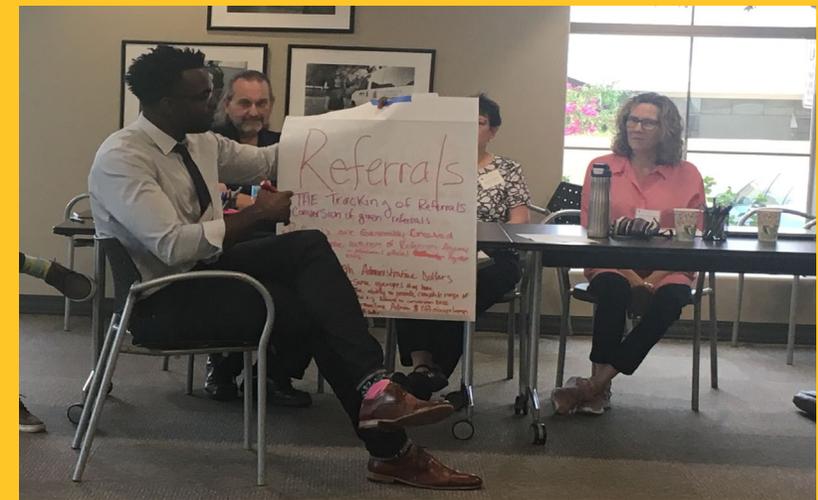
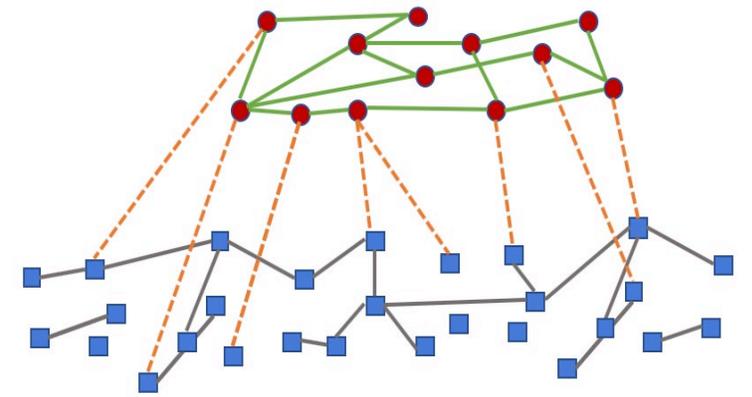


Share

What do we mean by sharing to build community resilience?



Social Cohesion



Share

How can we share?

Liberate your data.

Share

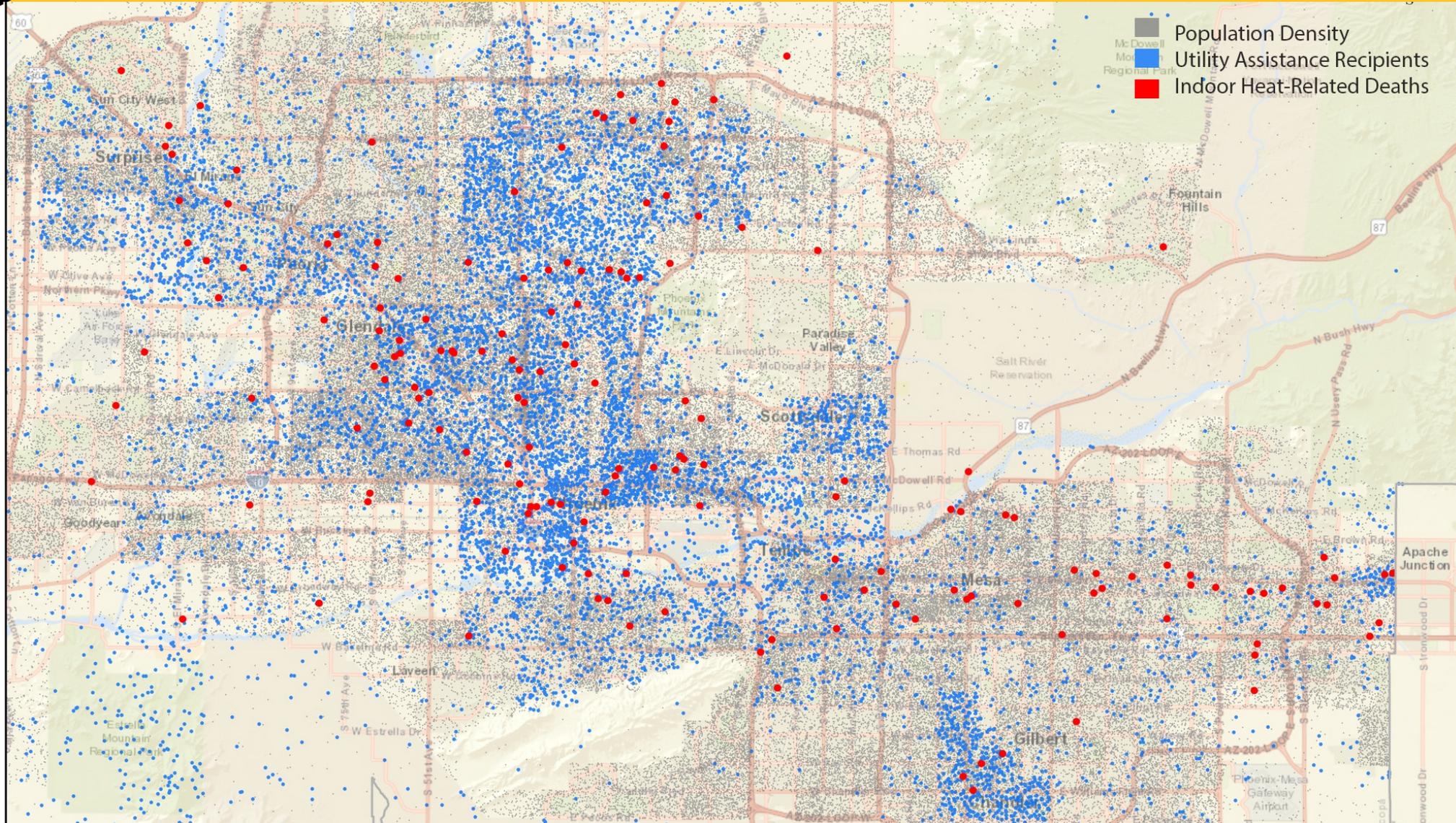
How can we share?
Why should we share?

Liberate your data.

Detect gaps, trends and risks that would go otherwise unseen or unknown to you and others you count on.

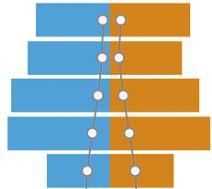
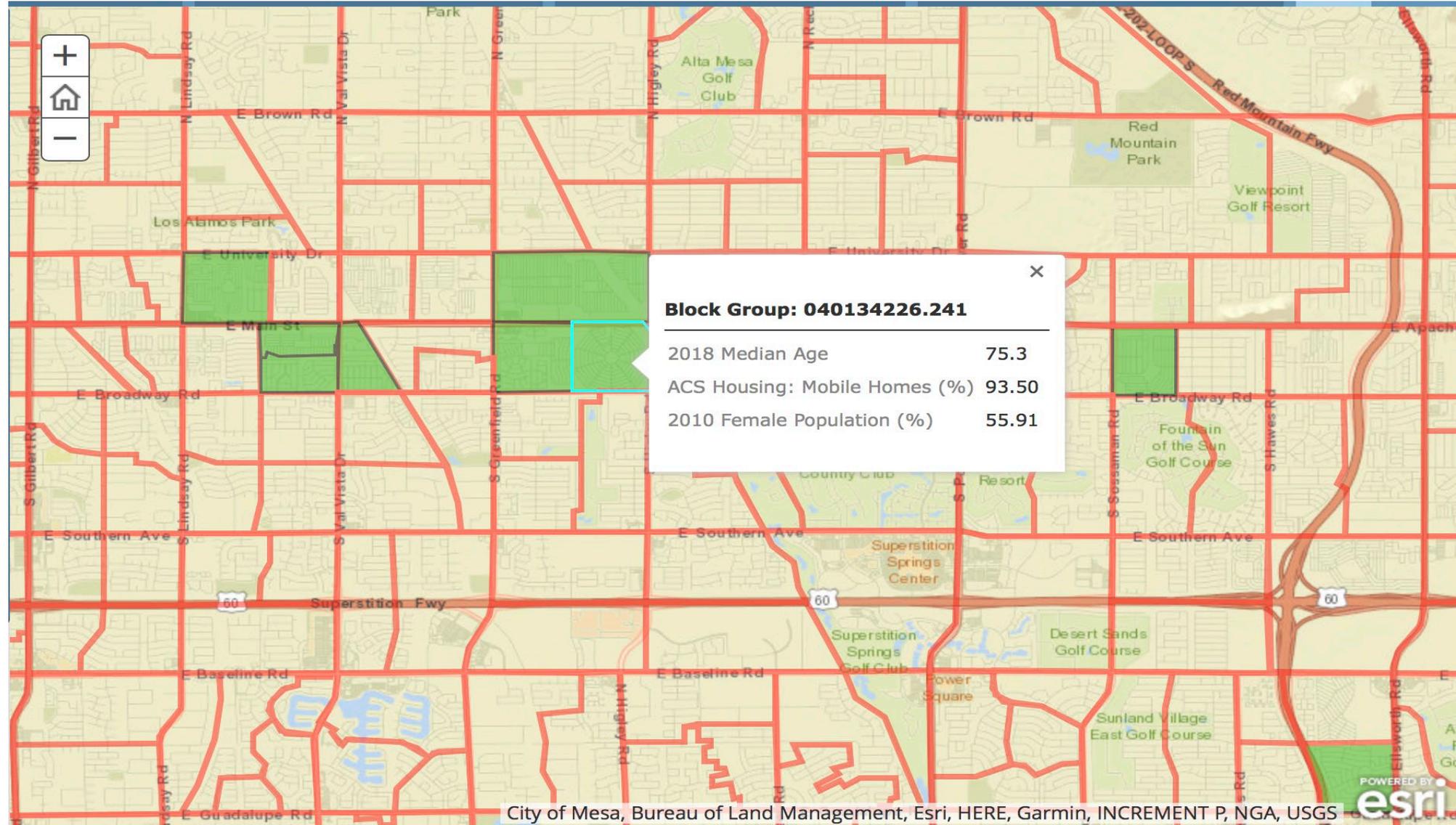
Share

Where can we see examples of sharing in action?



Share

Where can we see examples of sharing in action?



40% 20 0 20 40%

Share



Visualization of exchanged data made visible the high heat risk to elderly mobile home residents, especially women.

Share

What can I share?

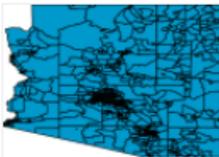
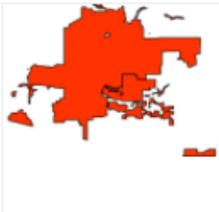
Liberate your data.

Explore Layers

Selected Layers

Add layers through the "checkboxes".

53 Layers found



Create a Map

Filters [Clear](#)

TEXT

Search by text

KEYWORDS

TYPE

Vector Layers 53

CATEGORIES

OWNERS

DATE

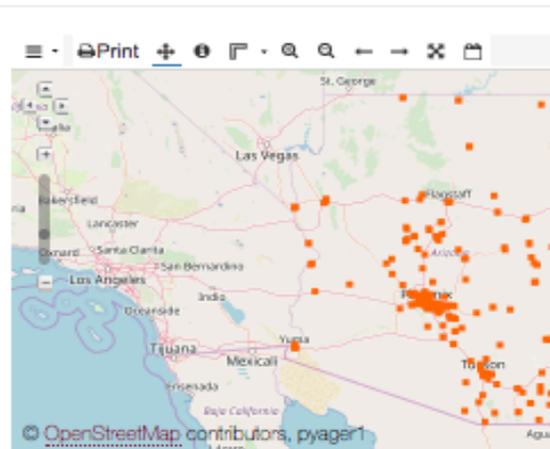
REGIONS

EXTENT

About Concept Knowledge Exchange

Data Exchange Data Maps About

Food Banks



Info Attributes Share Ratings

Title Food Banks
License Not Specified
Abstract Arizona food bank locations and supplemental information as of March 14, 2017.

Federal Shutdown: Economic Resilience in Maricopa County, Arizona

ASU Knowledge Exchange for Resilience
Arizona State University

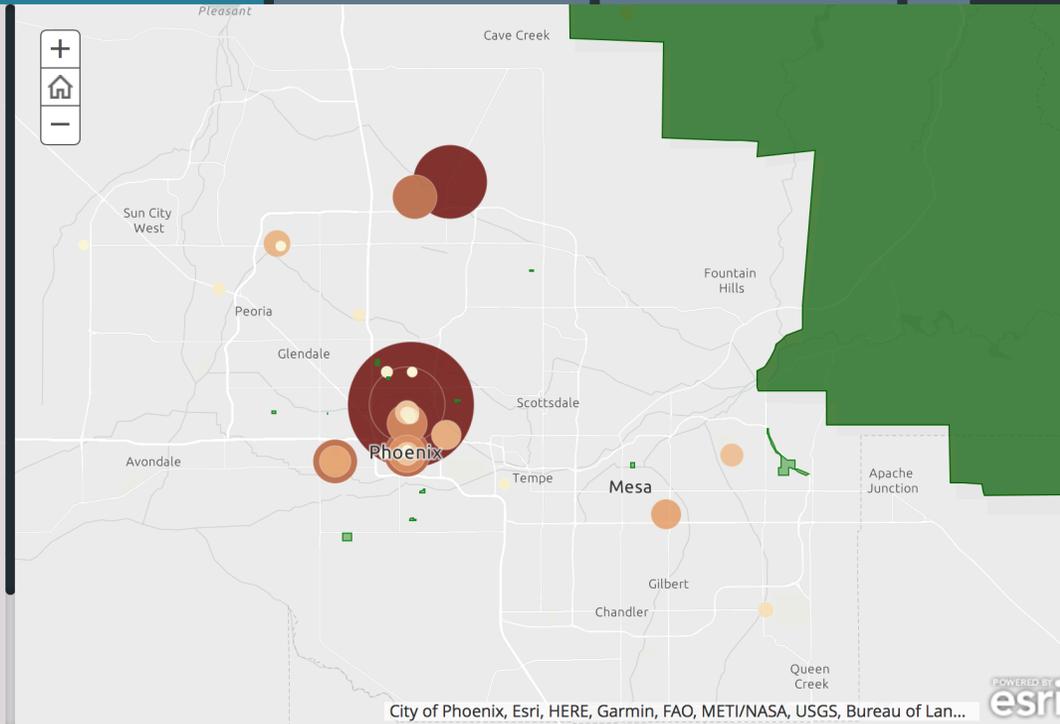
What is the issue? Why it Matters: Affected Workers Where it Matters: Federal Agencies Who else Matters: Local Families

Navigate this map to understand the size of the federal workforce employed here in Maricopa County, Arizona.

The size of the circle indicates the number of employees at the location of the federal agency, while the color depicts the total loss of salary that a shutdown implies, where darker colors indicate greater losses. See the legend for details.

National Parks (in green) are particularly important to Arizona, the state with the third largest employee base in the nation.

Federal shutdowns affect agencies differently because some are considered essential services and programs. For example, federal emergency response agencies will continue despite a general closure.



Maps using this layer

This layer is not currently used in any maps.

Create a map using this layer

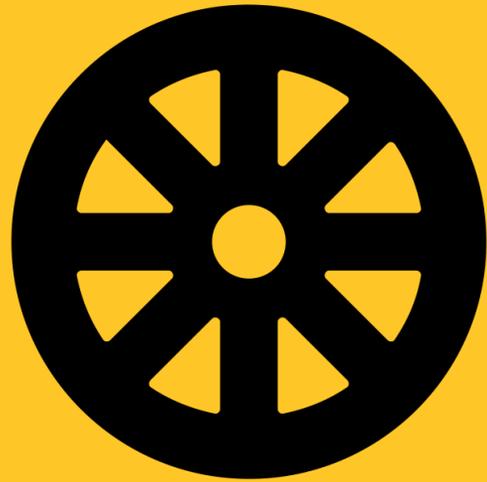
Share.
Discover.

Discover

What do we mean by discovering for community resilience?



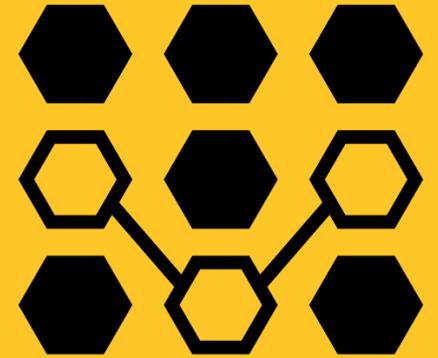
ONE OFFS



WHEEL REINVENTING



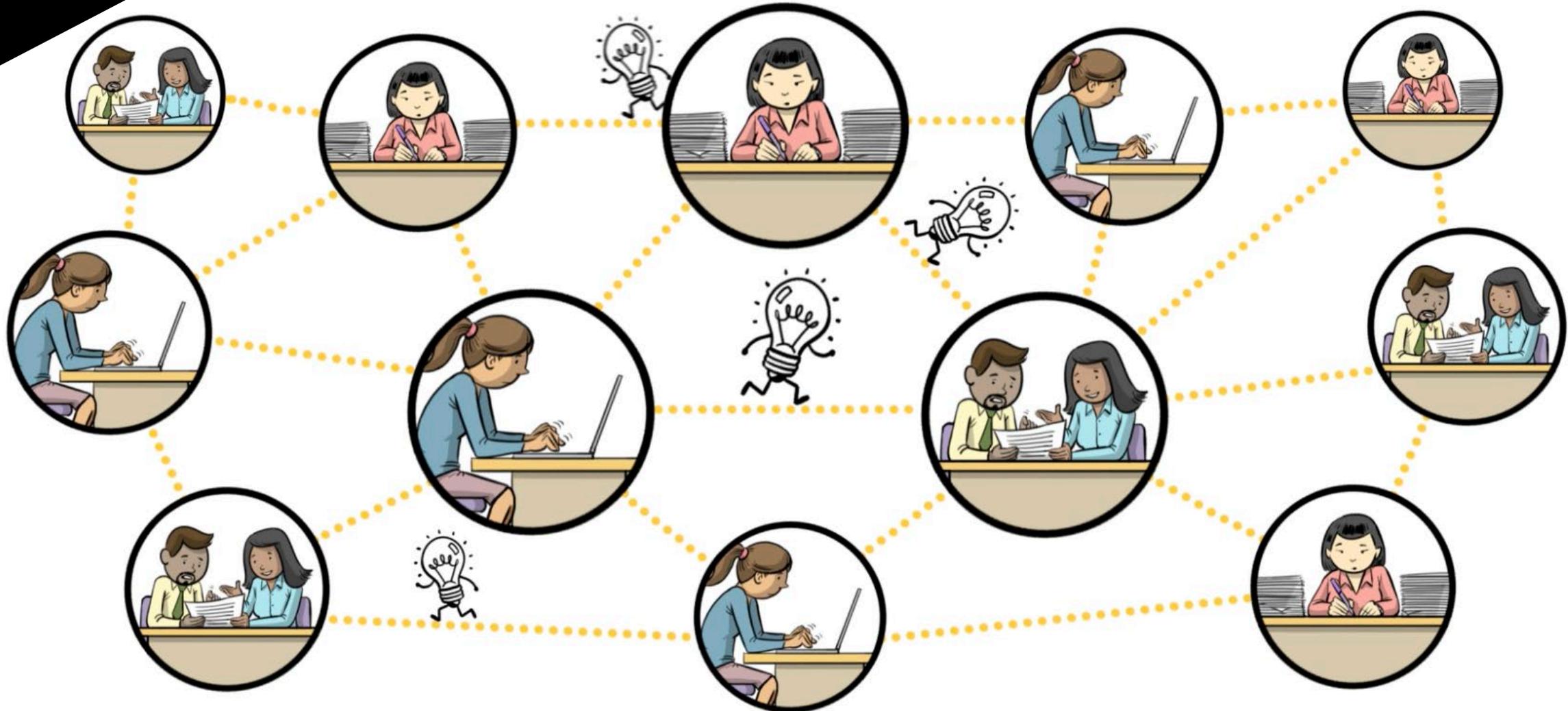
FALSE STARTS



COMPLEXITY

Discover

How can we foster discovery for resilience?



Discover

How can we foster discovery
for resilience?

Connect the dots.

Discover

How can we foster discovery for resilience? Why do it?

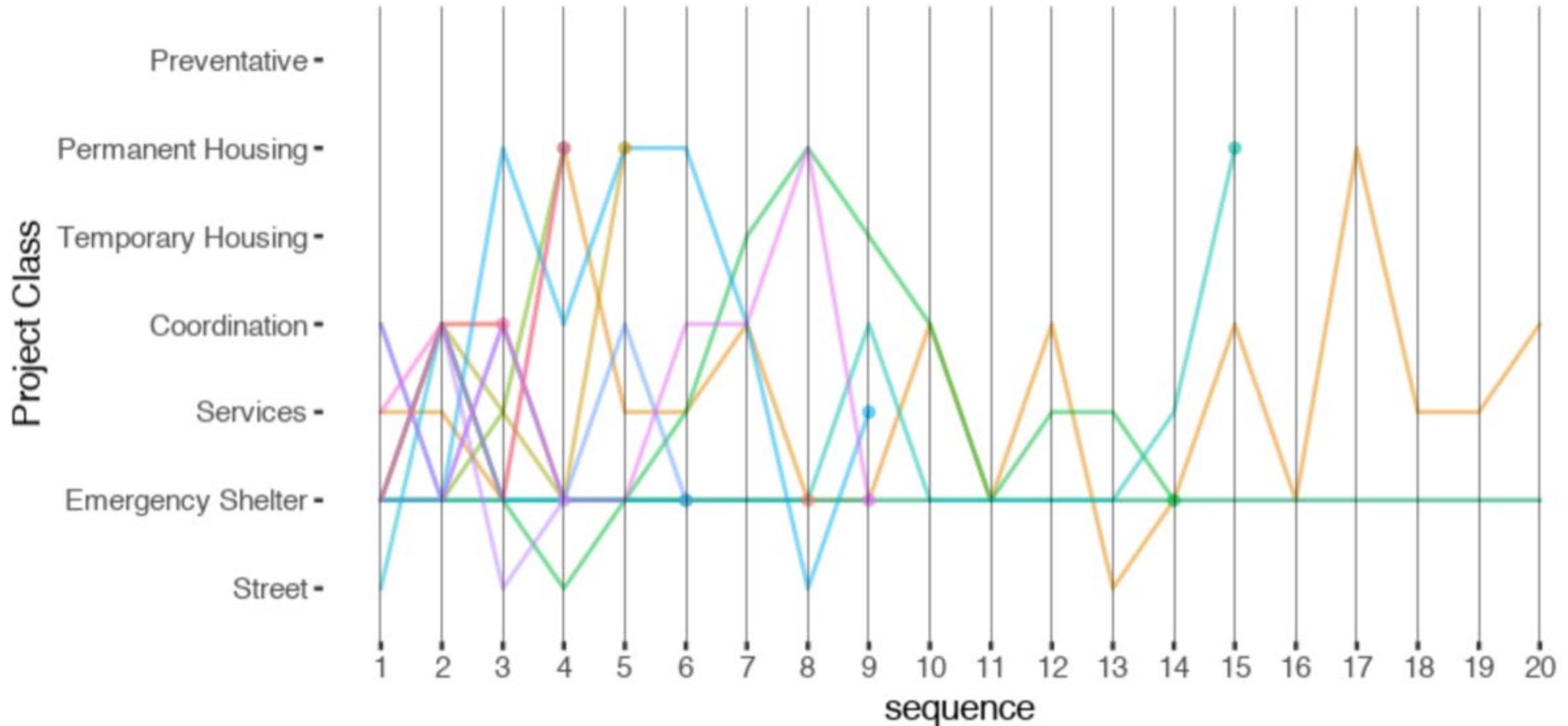
Connect the dots.

Innovative knowledge for community level resilience can come from evidence inspired curiosity across systems, aimed at scale.



Discover

Where can we see examples of discovery for resilience in action?





Combining artificial intelligence and human intelligence in a setting for evidence-inspired curiosity leads to new ways of thinking about rising elderly homelessness in Maricopa County

Discover

Who is taking action and
what can I do to discover?

Connect the dots.

Annual
Cohorts
of
Academic
and
Communi-
ty
Resilience



Share.
Discover.
Respond.

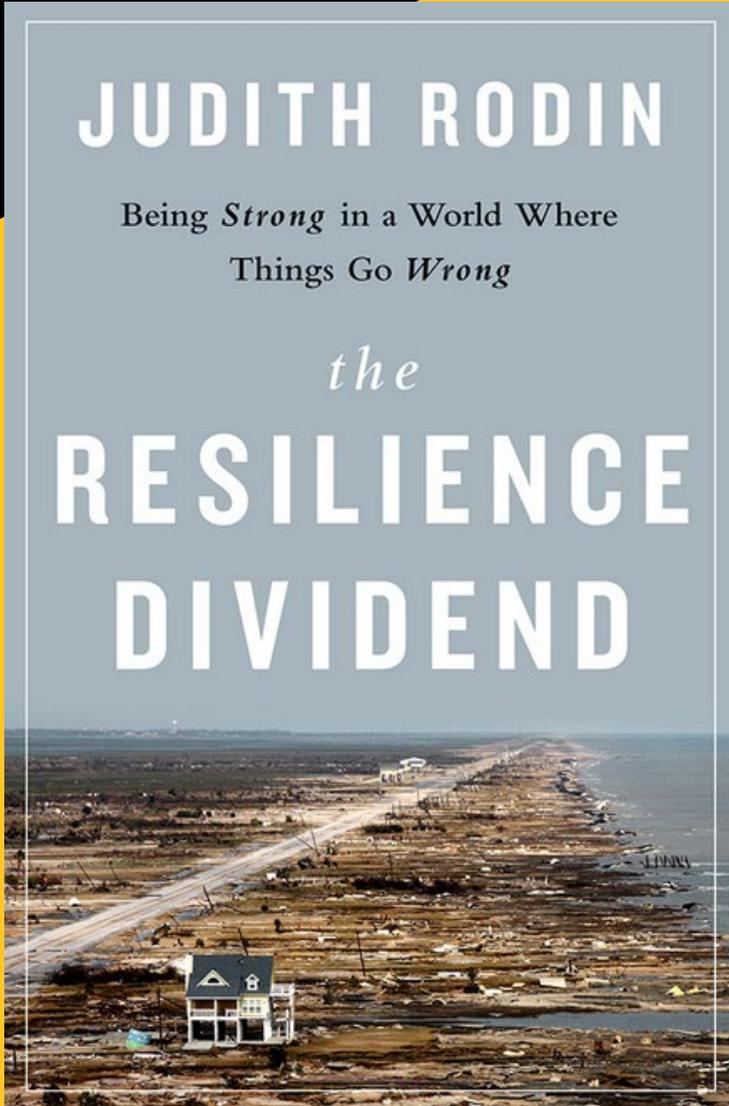
Respond

What do we mean by a response for community resilience?



Respond

How can we build response capacity?









Respond

How might we look for a resilient response? Why?



Respond

Dr. Jenni Vanos
Playspace Redesign



Where can we see
examples in action?





Responding to heat and air quality risks for children with resilient design can bring dividends to improved learning and behavior

Respond

Who is taking action and how can I respond?



**Share.
Discover.
Respond.**

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Arizona State University

Liberate your data.
Connect the dots.
Aim for the dividend.

- ✓ **DATA EXCHANGES**
- ✓ **RESILIENCE FELLOWSHIPS**
- ✓ **HUNCH LUNCH**



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