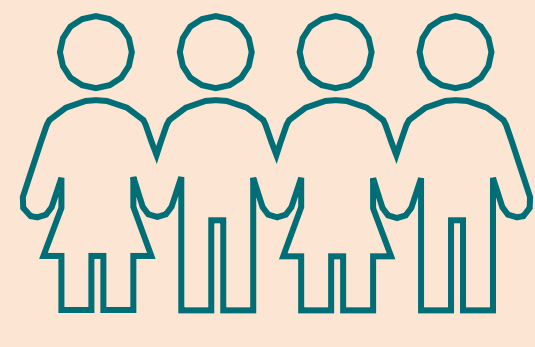


# You Belong: Empowerment, Education, & Environment Program at Stanford

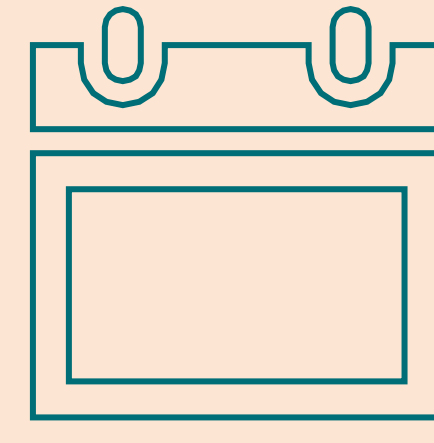
Shersingh Joseph Tumber-Dávila, PhD Candidate in Earth System Science



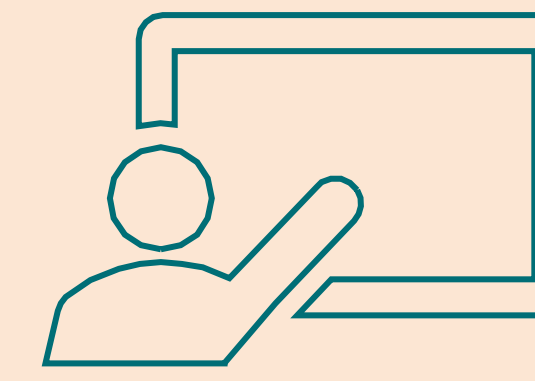
500+ participants



82% are low income/URM



15 events so far



2/3 first time at a college



6 community partners



3/4 never met a “scientist”

## Outreach events with the goals of:

Introducing careers in the environment and academia to k-12 students

Exposing students to college, therefore increasing their comfort level, and confidence

Demonstrating to broad groups what it means to be an earth scientist

Showing students that they belong at places like Stanford and Stanford Earth

## Future of the program

Received the Diversity Innovation Fund award allowing us to reach more students

Creating a network of environmental educators willing to do more in-class demos at Bay Area schools

Scheduling regular/quarterly outreach with different partners

Finding student volunteers (YOU?) to continue the program!

## Why should Stanford Earth do this work?

At Stanford, we are surrounded by economic, educational, & environmental inequality.

Median incomes of 24k-38k bordering incomes > 82k (upper map)

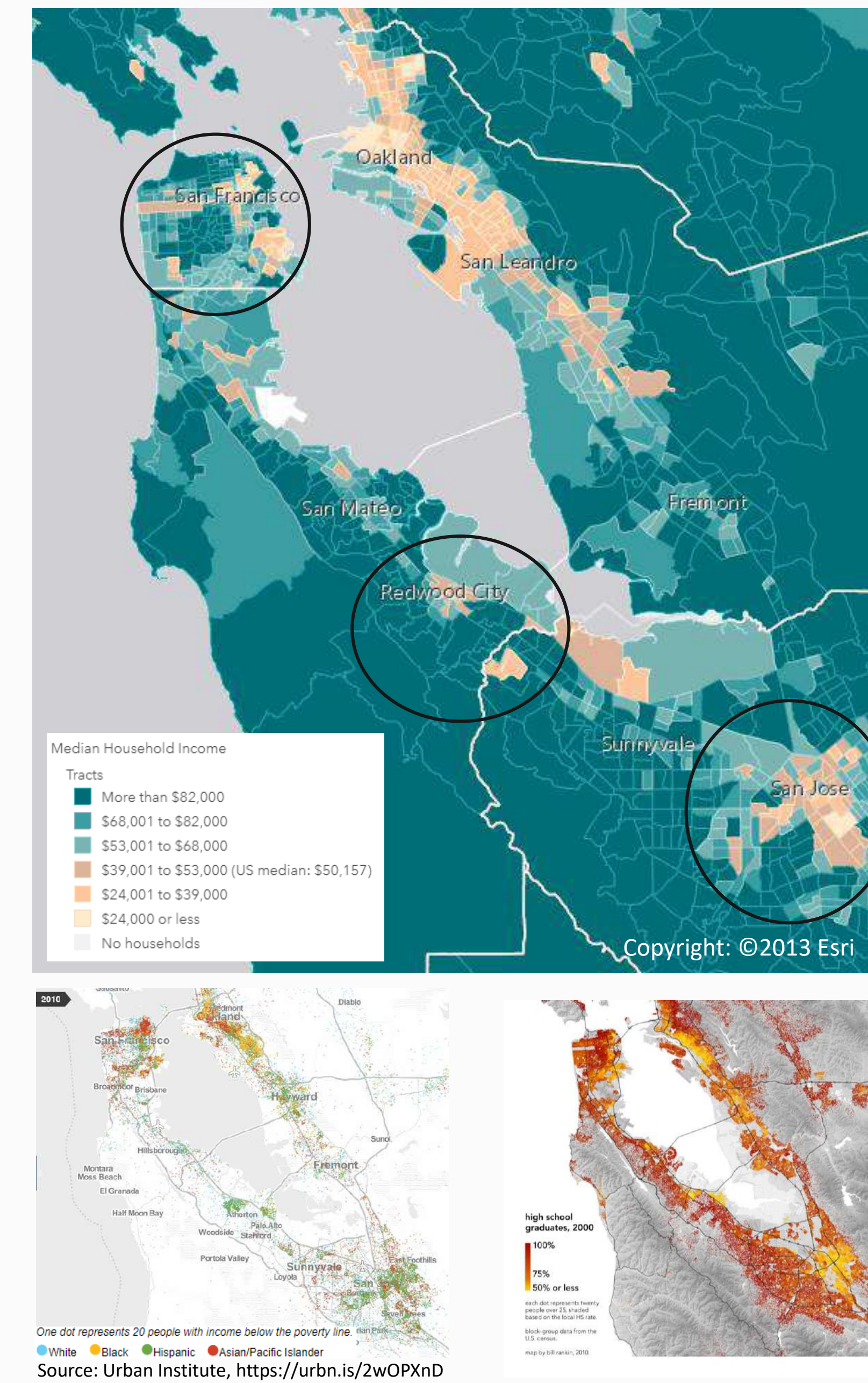
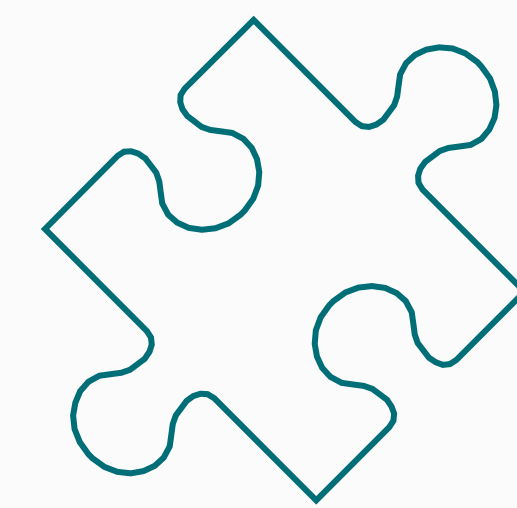
Areas with <50% HS graduation rates (lower-right map)

These inequalities affect URMs at much higher percentages (lower-left map)

5% SU faculty are Hispanic vs. 23.5% of adults in Bay Area (Diversity Facts@Stanford.edu; Bayareacensus.ca.gov)

We can use the opportunities and resources afforded to us as members of Stanford Earth to support our neighbors

You Belong is one small step towards closing the gap



## Current Community Partners

The Mayor's Youth Employment & Education Program (MYEEP)

Young Community Developers (YCDJobs)

Rocketship Public Schools

Canopy

UCSF MESA

College Track



## Past and Recurring Events

### Stanford EARTH Career Days

Annually for MYEEP, YCD Jobs, and other organizations

On-campus career days where youth learn about environmental careers and life as a scientist. Students do hands-on demos in different labs, tour campus, and meet current students and researchers. Pictured are summer school students from Oakland and San Francisco



### Canopy Forest Ecology Experience

Semiannual since 2016

Introducing the Canopy Teen Urban Foresters (TUFs) to careers within environmental sciences. Followed by a workshop on forest ecology sampling methods. The TUFs are Canopy interns from East Palo Alto.



### Elementary School Family Tour

October 13<sup>th</sup>, 2018

Stanford tour for elementary school students and their families to introduce what it is like to be a college student. Tour was both in Spanish and English given to over 150 attendees from Rocketship Public School in San Jose.



#### Stanford Rocketeers

L A W W E S X V E N T I L A M B L E S C O L L E G E C O M M U N I T Y S T U D E N T S C O N T R I B U T I N G S T O R Y L I N E S C O L L E G E C O M M U N I T Y S T U D E N T S C O N T R I B U T I N G S S P E C I A L I S S U E S C O L L E G E C O M M U N I T Y S T U D E N T S C O N T R I B U T I N G S S P E C I A L I S S U E S	STANFORD ROCKETSHIP CAREER COLLEGE CARDINAL EARTH STUDENT UNIVERSITY CLASSES LEARN FRIENDS LIBRARY ENGINEERING MEDICINE HUMANITIES	SCIENCE BUSINESS LAW
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### In-Classroom “Meet a Scientist”

June 2<sup>nd</sup>, 2017 & June 10<sup>th</sup>, 2019

Bringing scientists to elementary Schools so students can “Meet a Scientist”

In the pictured event, Nicolette Meyer in the Dekas Geomicrobiology Lab brought cups that students decorated to the bottom of the ocean, where they shrank due to the pressure, and gave the students an overview of ocean science.



### College Track Divisional Celebration

Upcoming on November 23<sup>rd</sup>, 2019

Students from College Track East Palo Alto will compete in a flight competition with gliders they have built over the last couple weeks. Students will also tour Stanford and have a panel discussion with current Stanford students. This event will expose students to higher education and strengthen their STEM knowledge through project-based learning



If you would like to volunteer for this or any future events, please contact me at:

SJTumber@Stanford.edu  
 &  
 Sign-up below!