



asu: community
changemaker

Michael M. Crow
Arizona State University
January 29, 2014

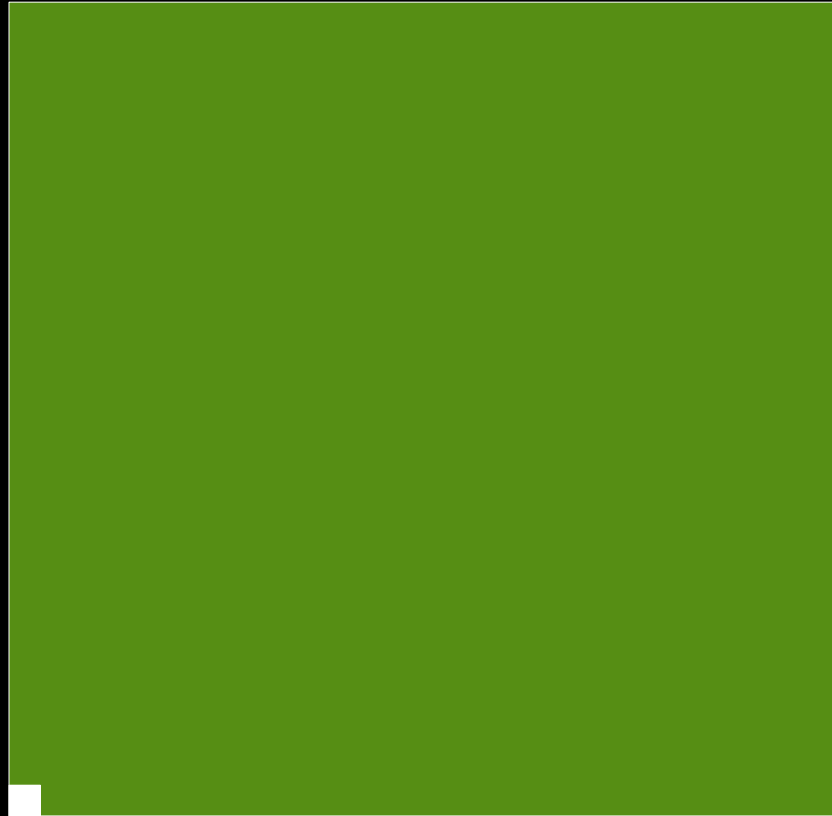




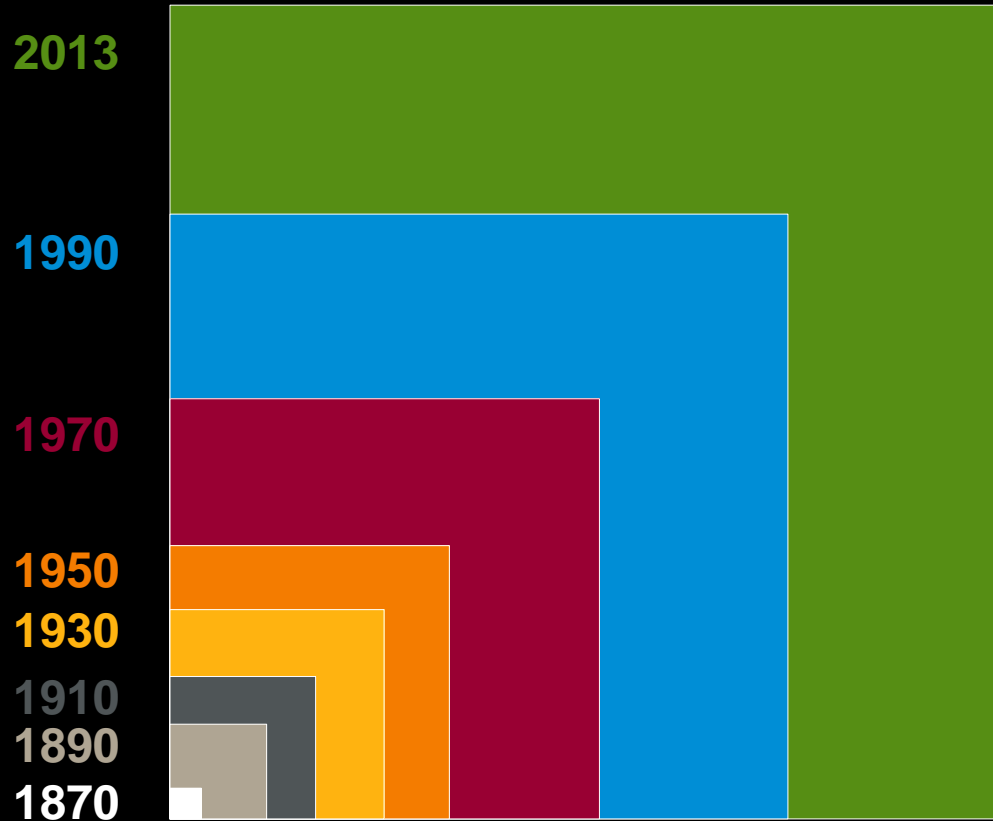
Arizona Population: 1870-2013

2013

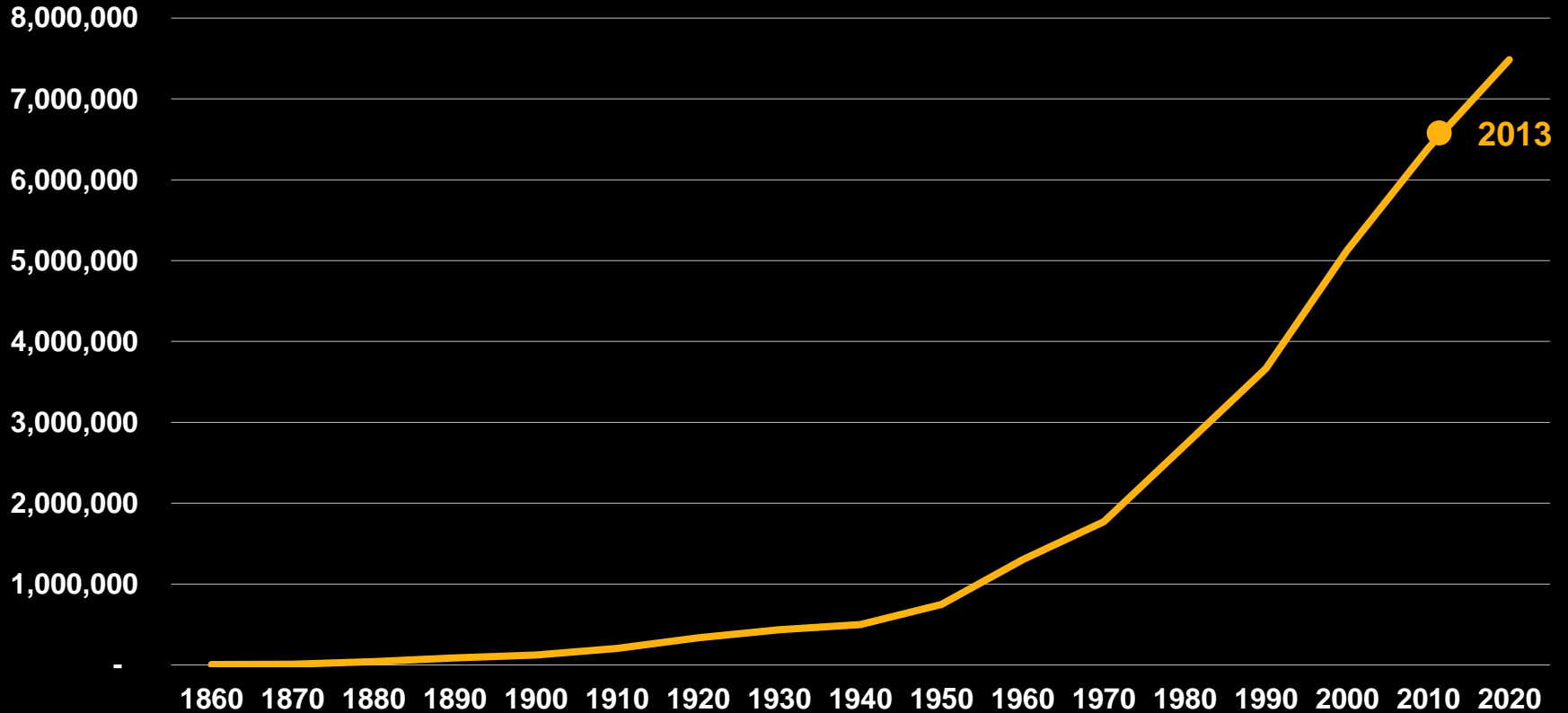
1870



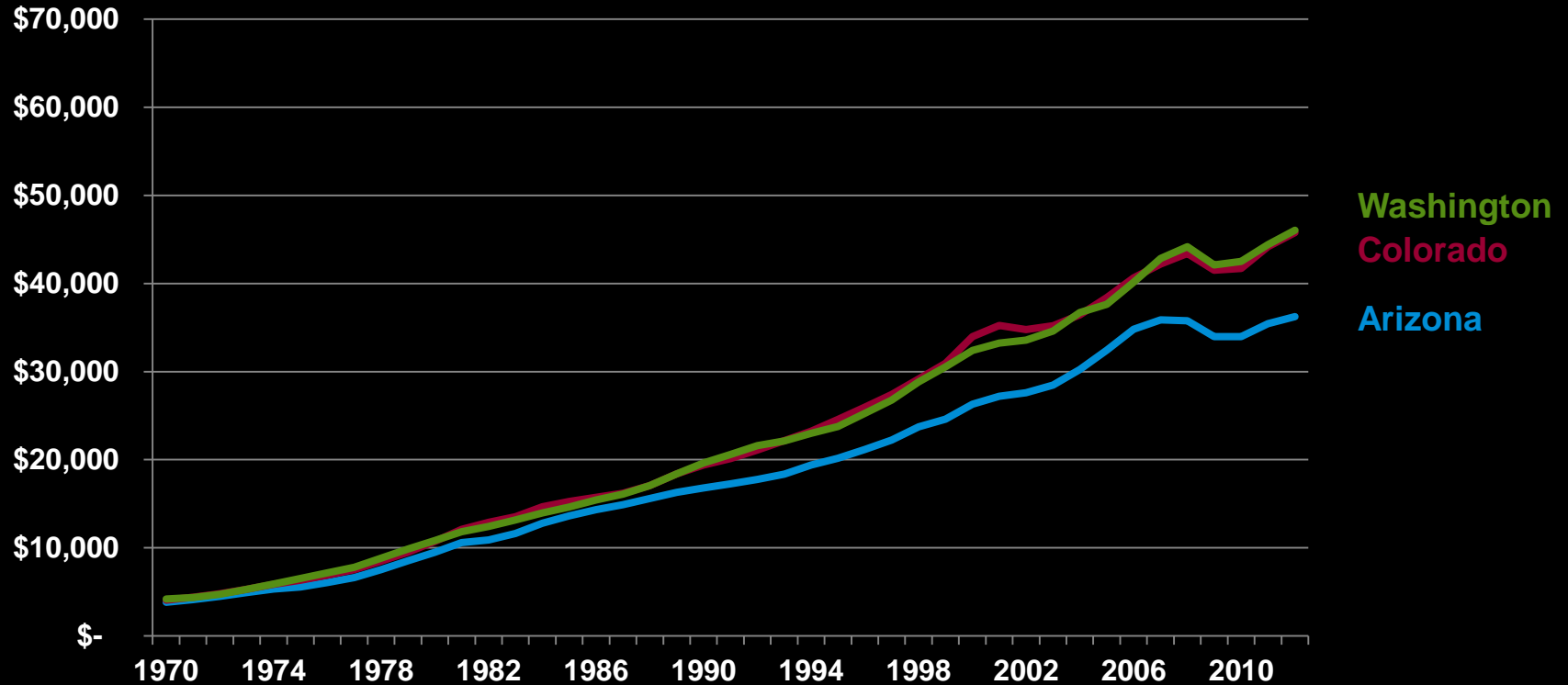
Arizona Population: 1870-2013



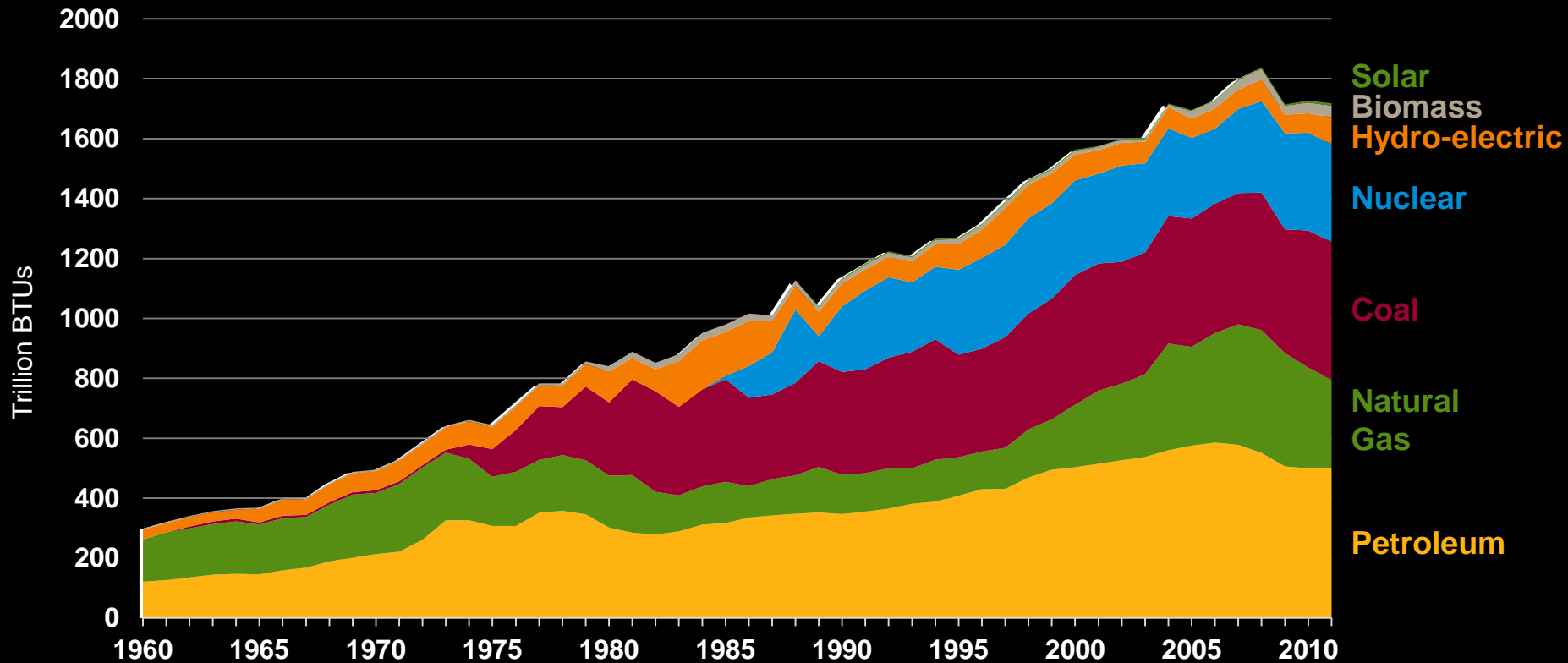
Arizona Population: 1860-2020



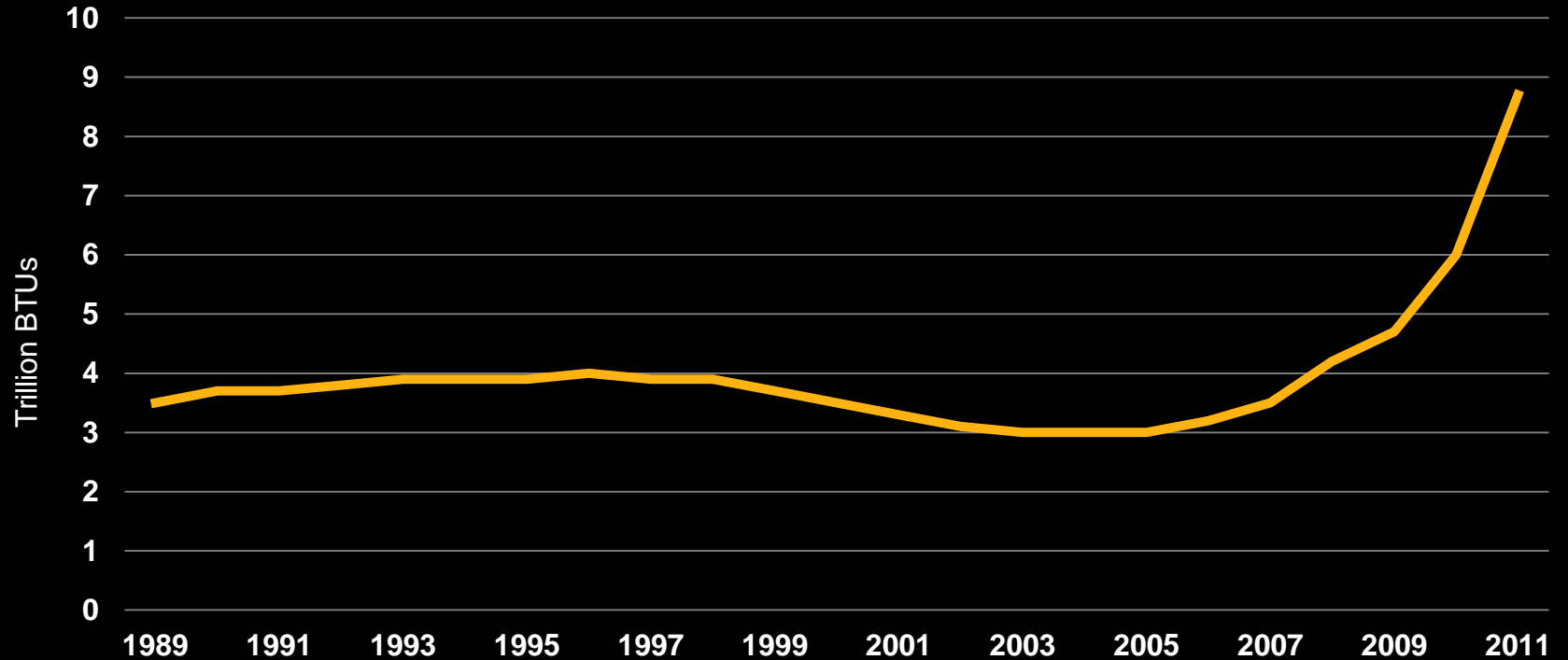
State Per Capita Personal Income: 1970-2012



Arizona Energy Consumption



Arizona Solar Energy Production



Future is Not Yet Realized

**People Demand
Further Change**

-Arizona We Want Report

Arizona We Want

Education

Individualized education programs and increased graduation requirements

Healthcare

Public programs available to low-income residents and children

Quality Jobs

Job training programs for unemployed adults and lowering business taxes

Infrastructure

State-wide water conservation plan and preservation of open space

Energy Independence

Investing in renewable energy generating and energy efficiency incentives

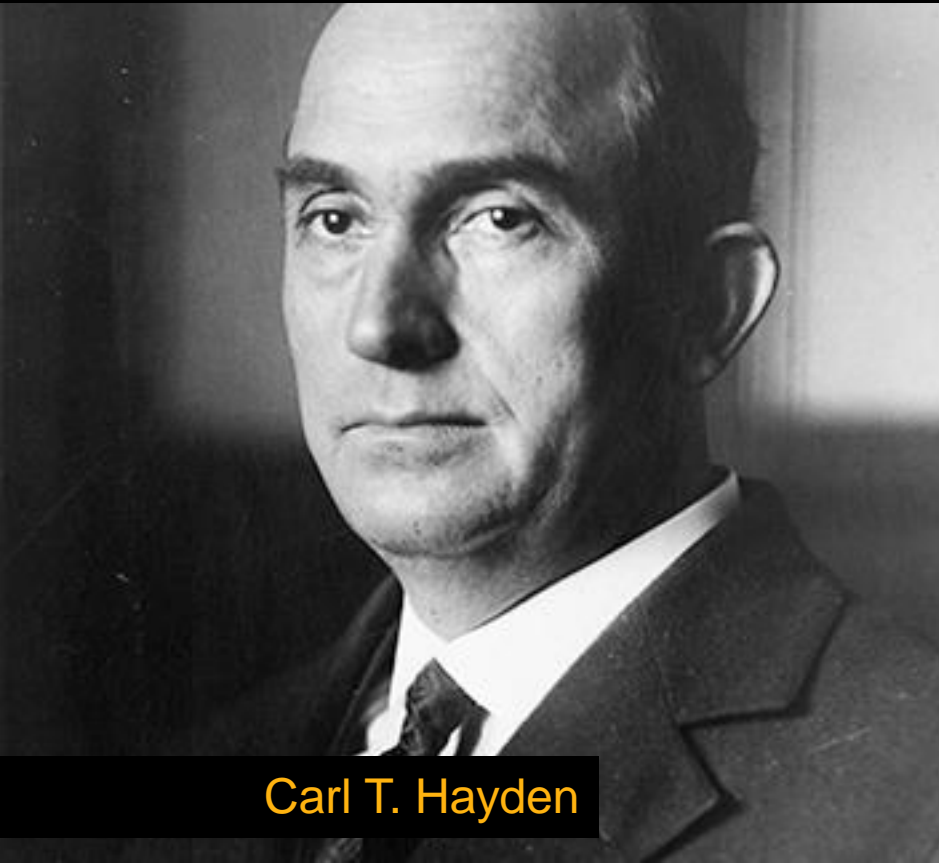
How does change occur?

Individuals

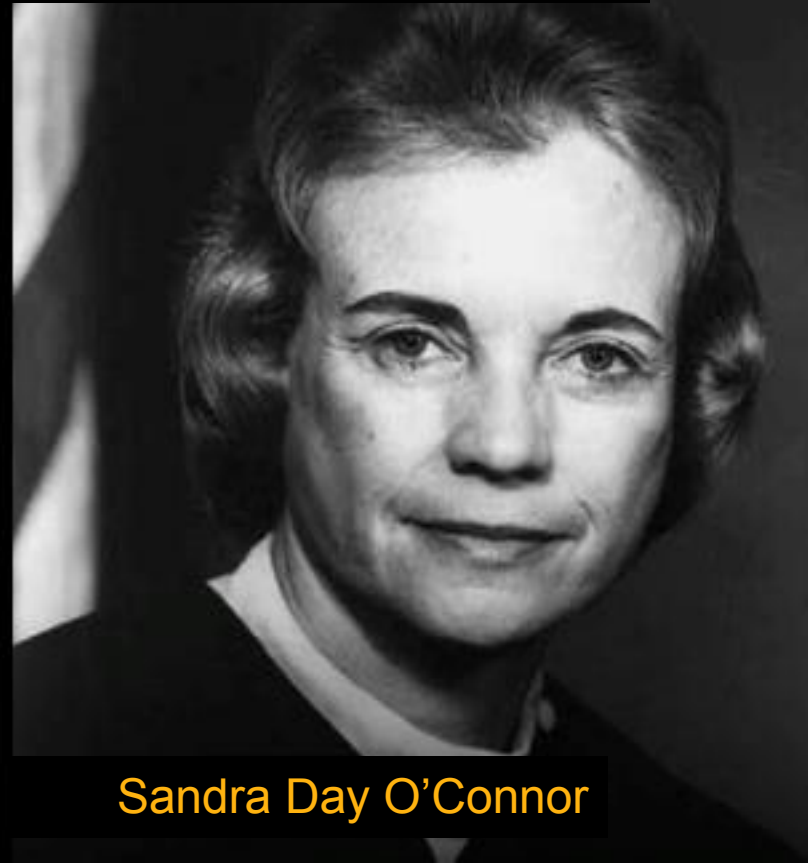
Institutions

Technologies

Mechanisms of Change: Individuals

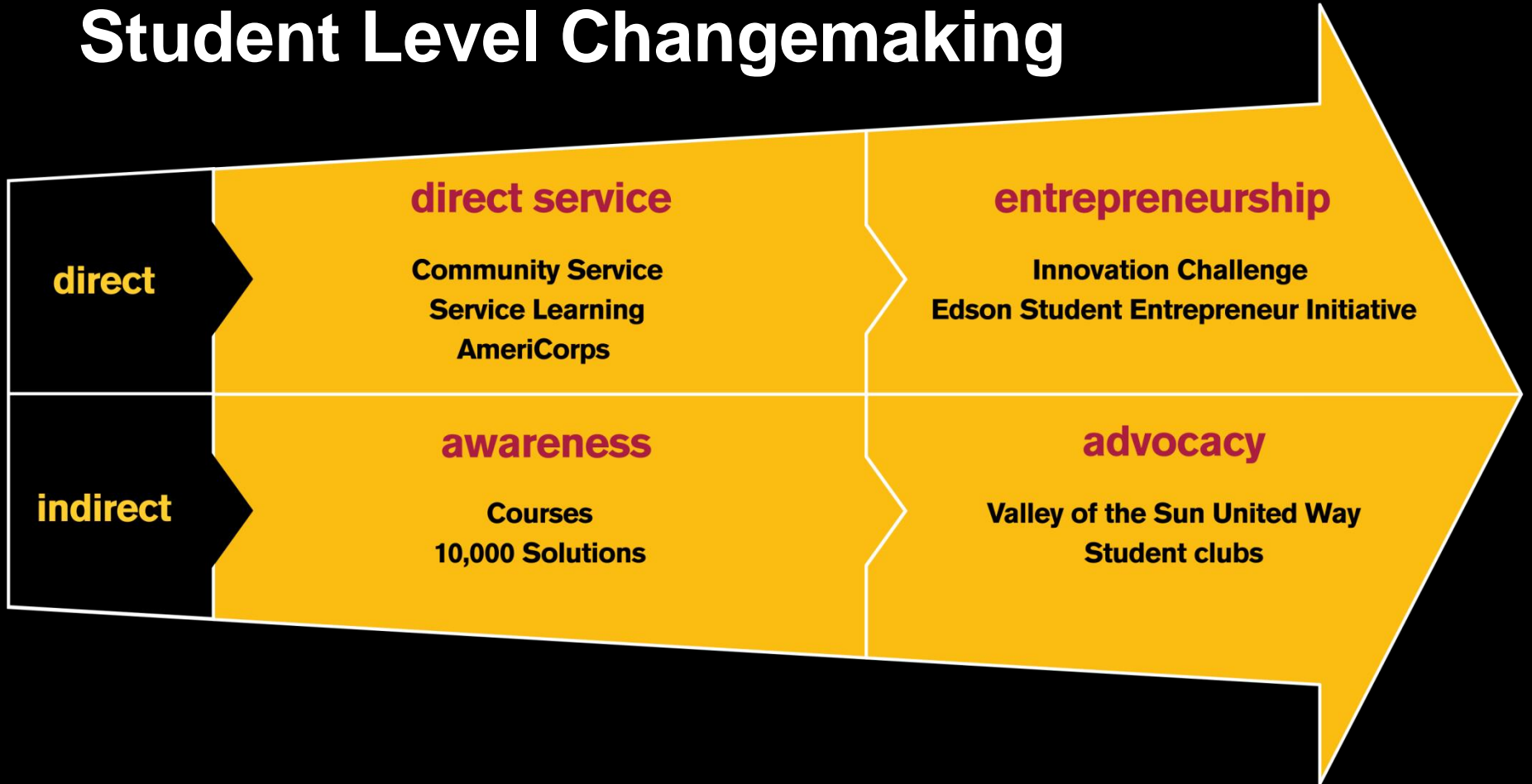


Carl T. Hayden



Sandra Day O'Connor

Student Level Changemaking



direct

direct service

Community Service
Service Learning
AmeriCorps

entrepreneurship

Innovation Challenge
Edson Student Entrepreneur Initiative

indirect

awareness

Courses
10,000 Solutions

advocacy

Valley of the Sun United Way
Student clubs

Student Level Changemaking

direct



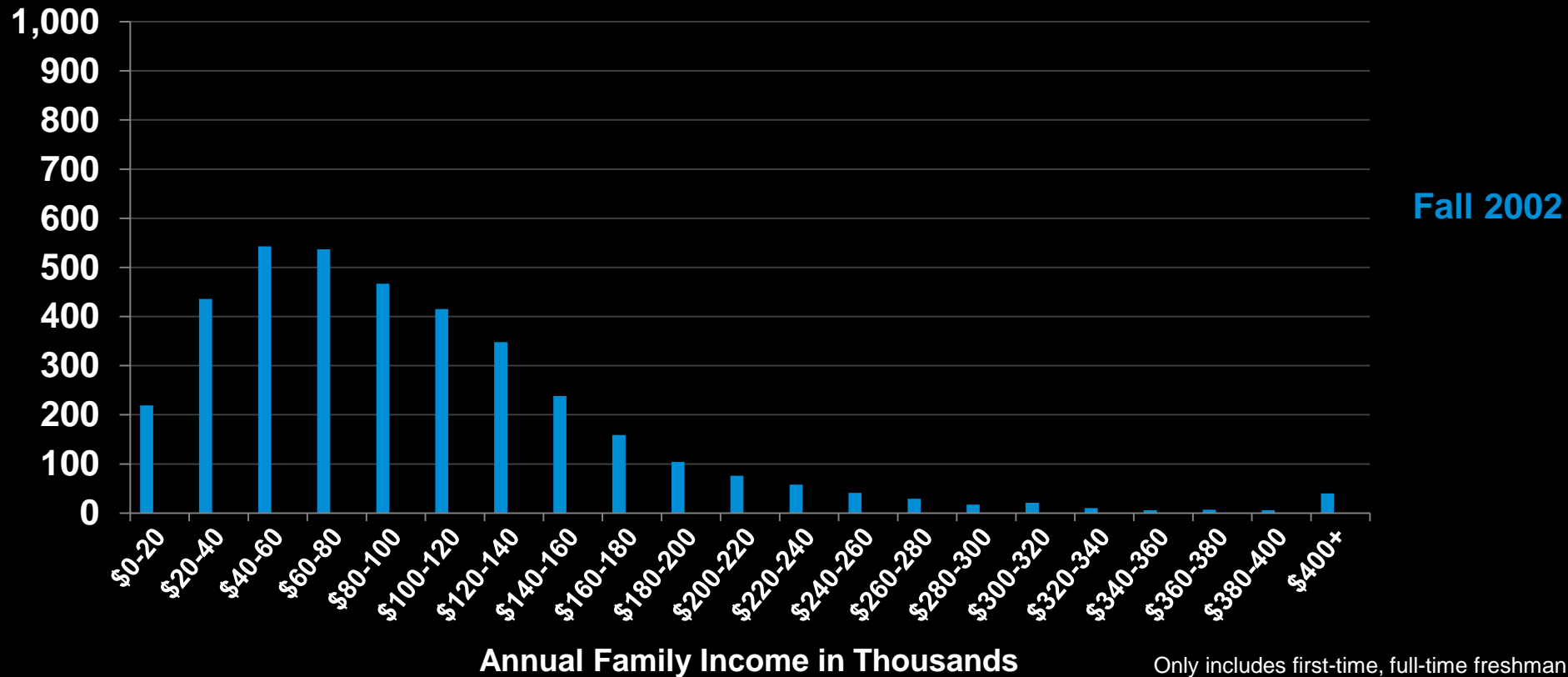
ASU Innovation Challenge



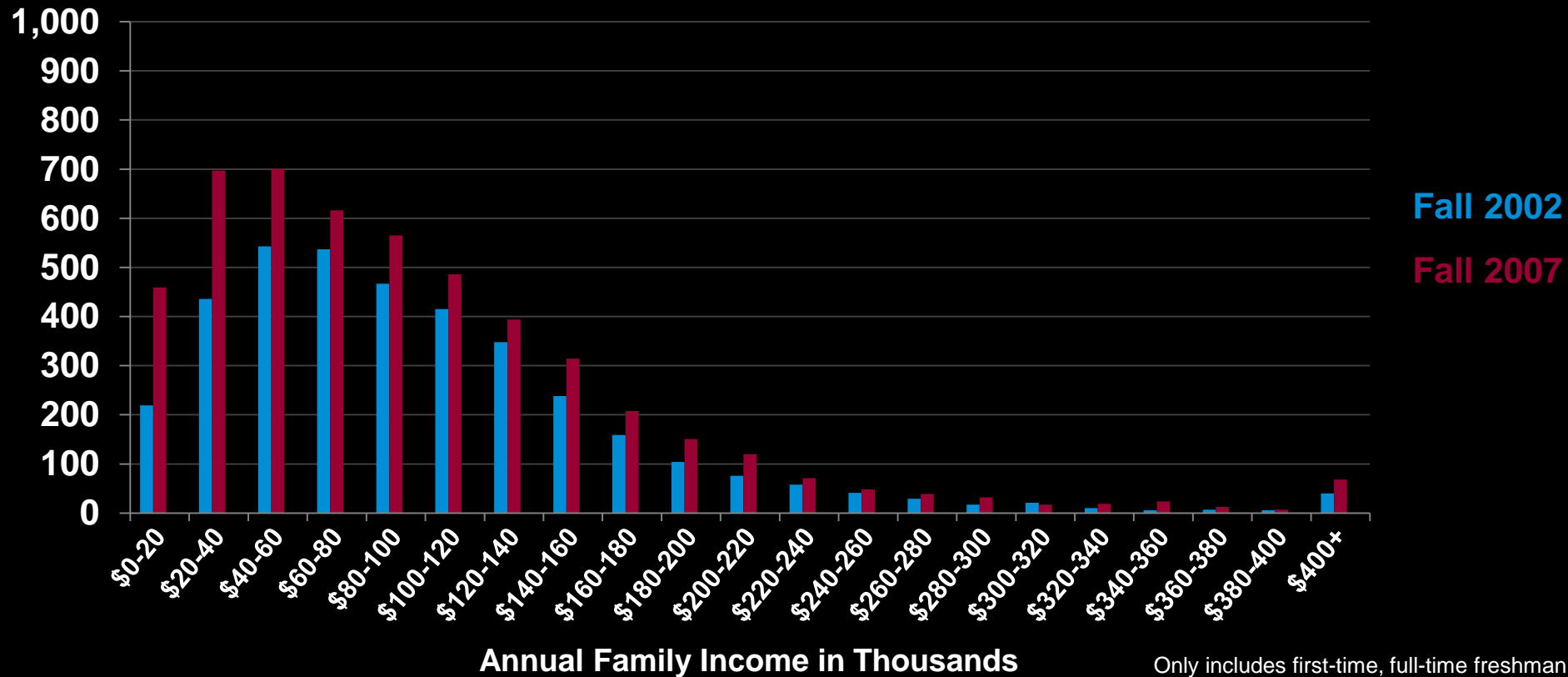
indirect



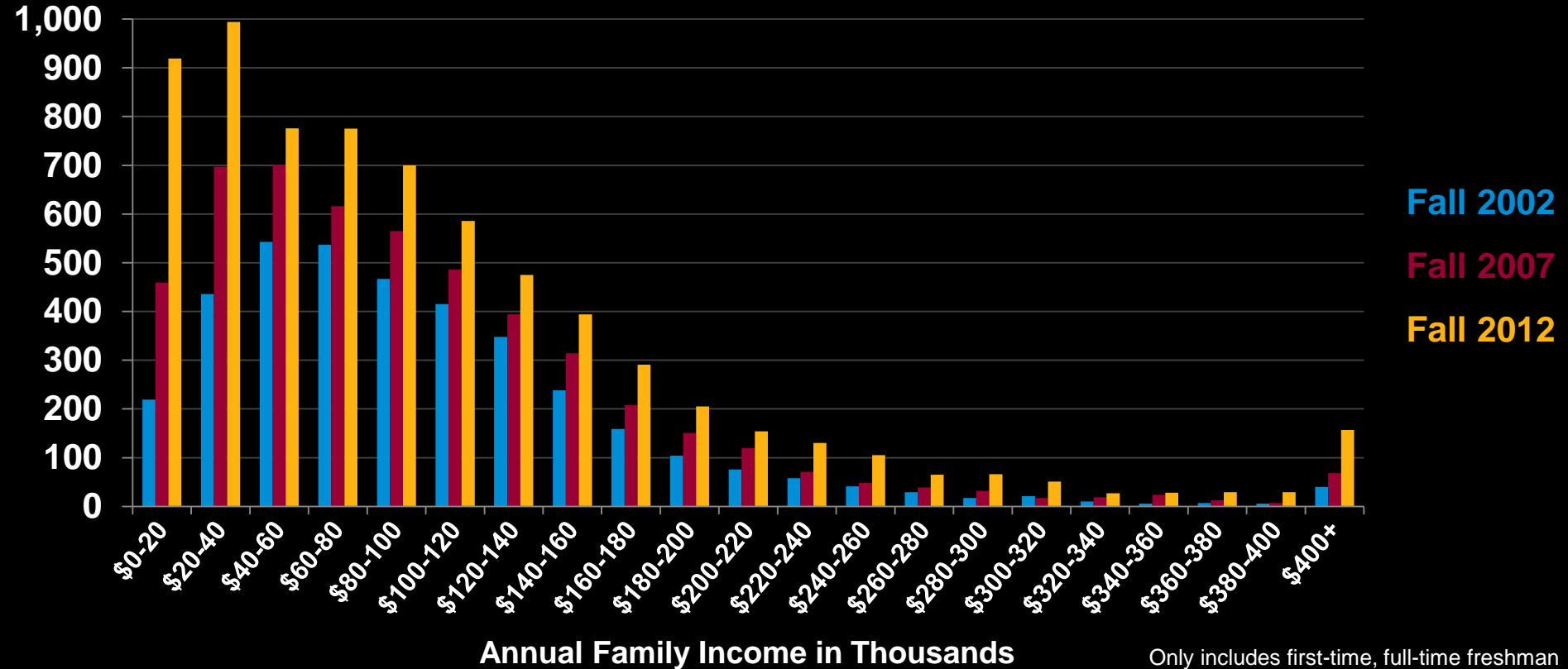
ASU Freshman Enrollment by Annual Family Income



ASU Freshman Enrollment by Annual Family Income

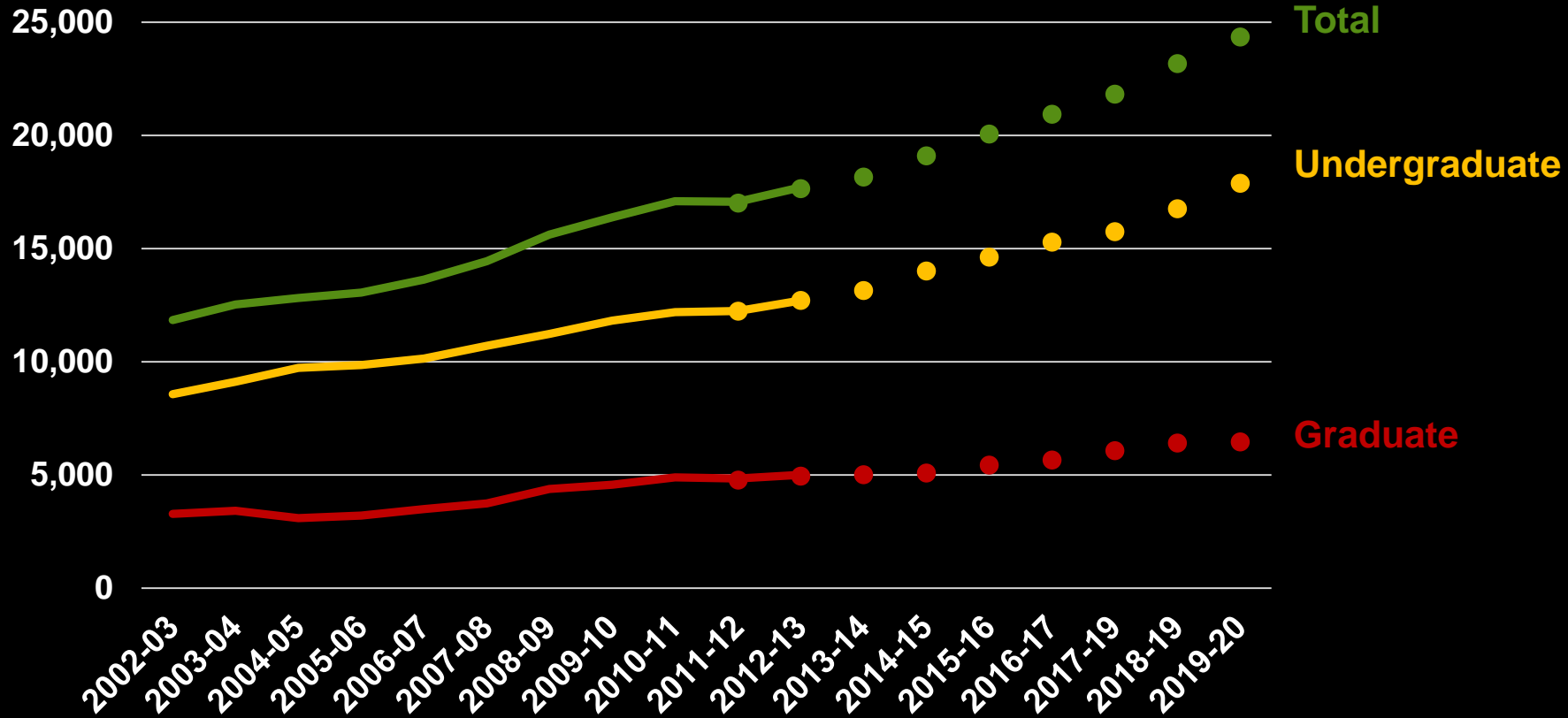


ASU Freshman Enrollment by Annual Family Income

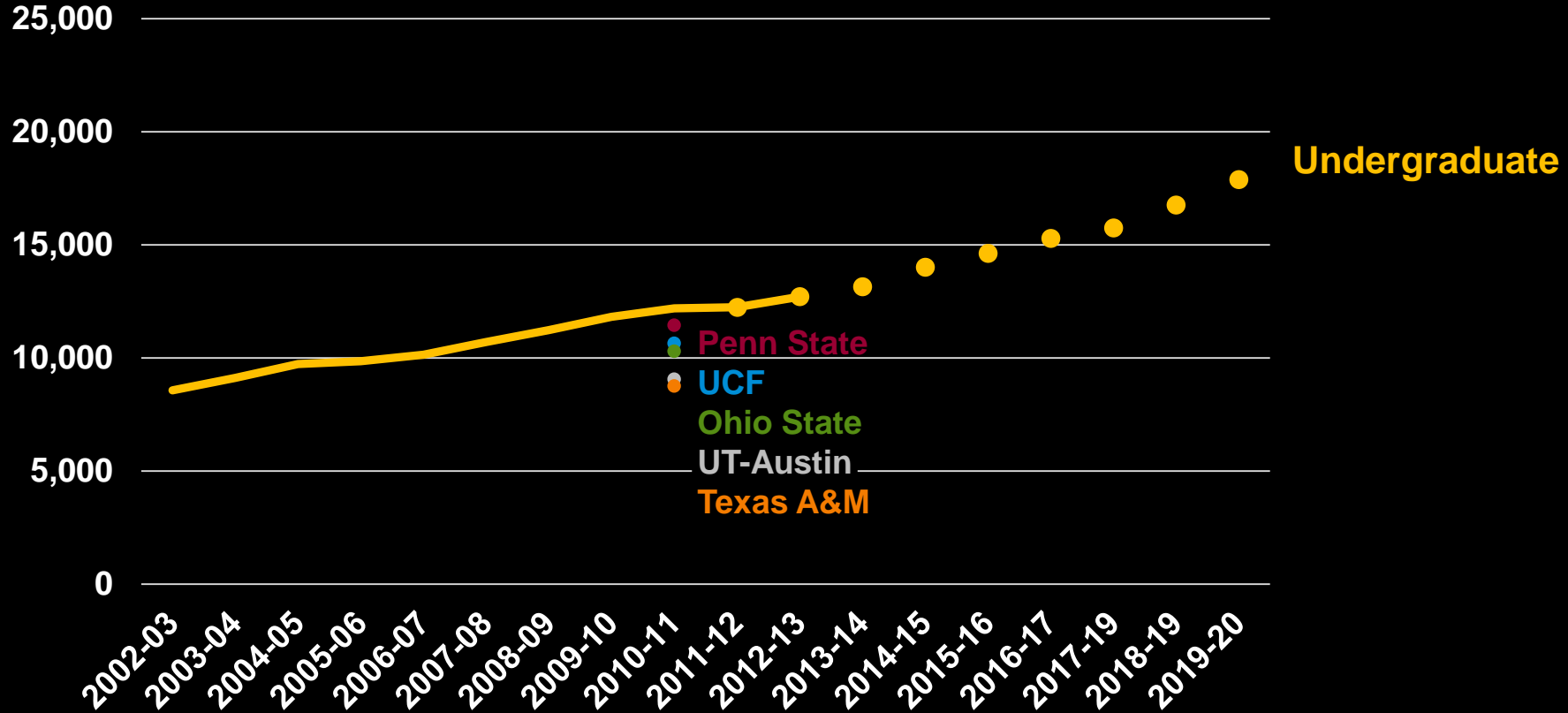


Only includes first-time, full-time freshman

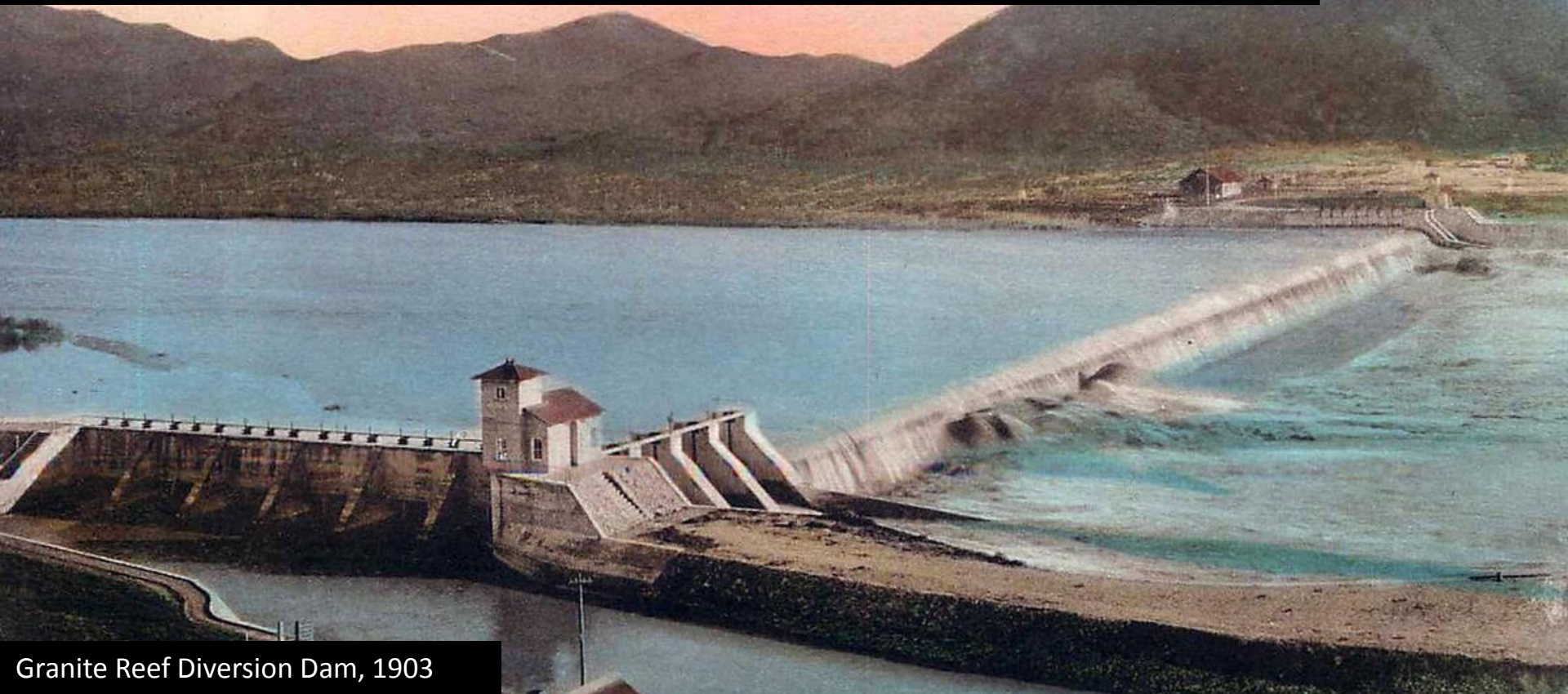
ASU Degree Production: 2002-03 to 2019-20



ASU Degree Production: 2002-03 to 2019-20



Mechanisms of Change: Institutions



Granite Reef Diversion Dam, 1903

Institutional Examples

ASU Chandler
Innovation Center



ASU Phoenix
Downtown Campus

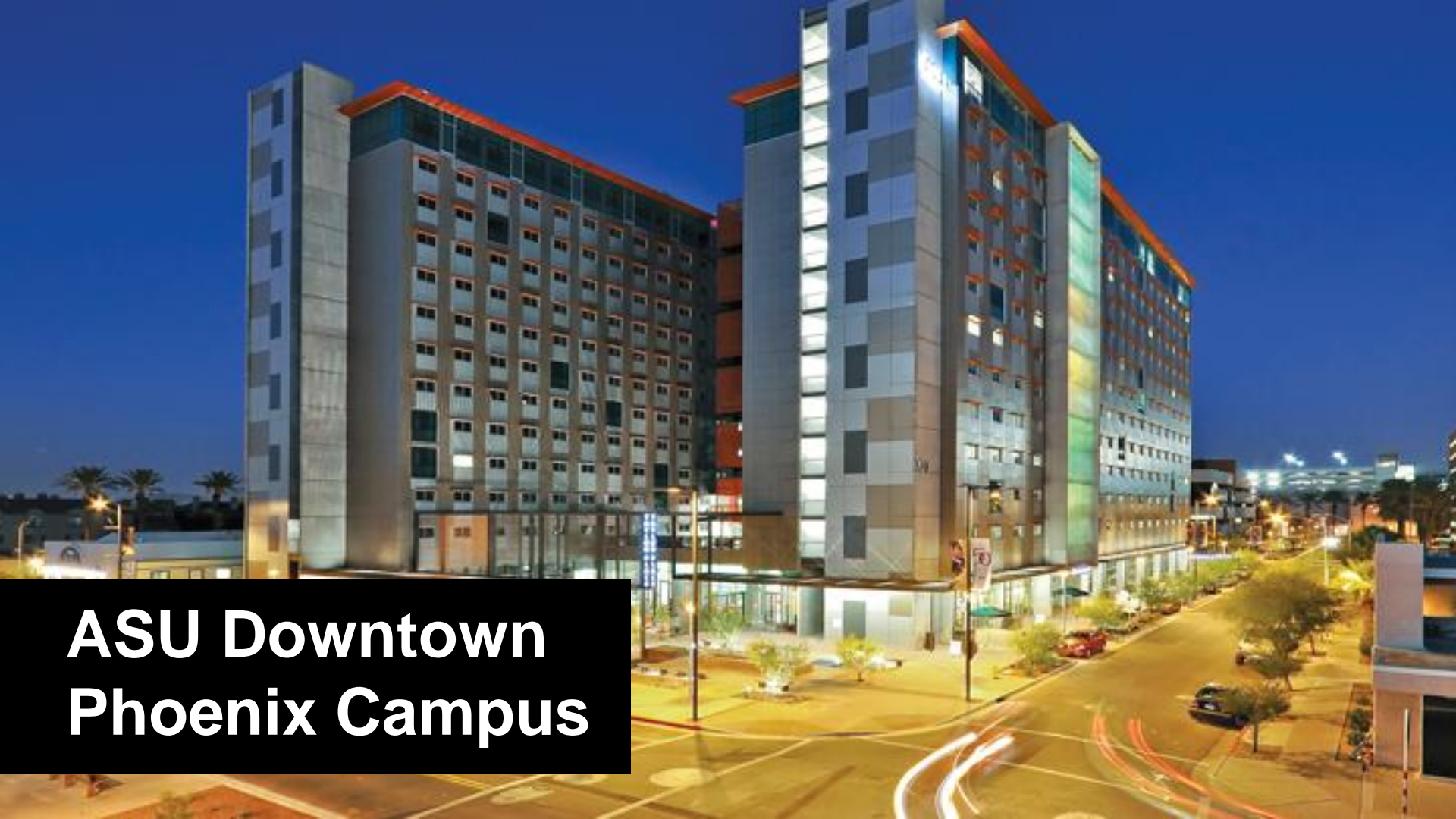


ASU Colleges at
Lake Havasu City





ASU Chandler Innovation Center



**ASU Downtown
Phoenix Campus**

ASU Colleges at Lake Havasu City





Mechanisms of Change: Technologies

Technology Examples

Targeting technologies and industries that don't yet exist

Flexible Electronics and Display Center

Arizona Center for Algae Technology and Innovation

Flexible Electronics and Display Center

A person wearing yellow gloves is holding a curved, flexible display panel. The panel displays a vibrant, colorful pattern of spheres in shades of blue, orange, and green. The panel is connected to a green printed circuit board (PCB) with various electronic components. The background is dark blue.

Named by CNN as one of ten ideas that will change the world



**Arizona Center for Algae
Technology and Innovation**

What change will ASU create going forward?

Individuals

Institutions

Technologies

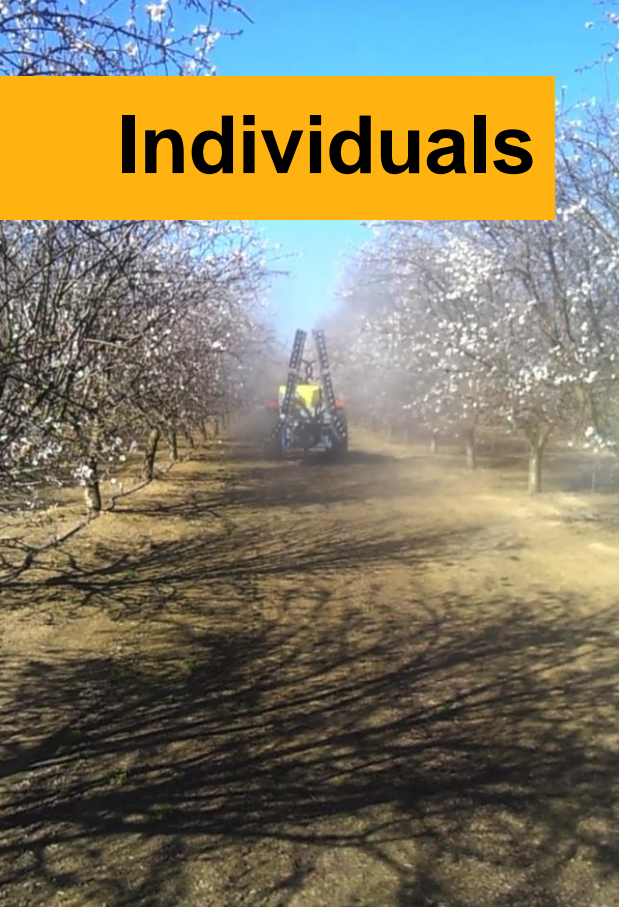
Individuals

Association
Internationale des IMPACT
Étudiants en Sciences Économiques et Commerciales
global network
aiesecaz.com
check us out!

Great Little Companies



Individuals



Pollen Tech

Institutions



ASU Center for Law and Society



Technologies

Evolution of Complex Social Behavior

Why Bees?

Develop breeding systems to improve the quality of honey bee stocks used for pollination, valued at over \$20 billion annually, and honey production

Understand how nutrition during early stages of development affects metabolic functions throughout life and life span

Understand how genetic and hormonal systems evolve and control behavior

Illuminate the neuro-biochemistry of behavior, learning and memory

Understand the fundamentals of associative learning and the relationship between reward value and memory

Understand how complex social behavior self-organizes from collections of individuals

“Never doubt that a small group of thoughtful, committed citizens can change the world. Indeed, it is the only thing that ever has.”

Margaret Mead

ASU[®]

The logo consists of the letters 'ASU' in a bold, white, sans-serif font. The letter 'S' is stylized with a sunburst or starburst graphic integrated into its center. The sunburst is composed of numerous thin, black, radiating lines that form a circular shape behind the 'S'. A registered trademark symbol (®) is located at the top right of the 'U'.