





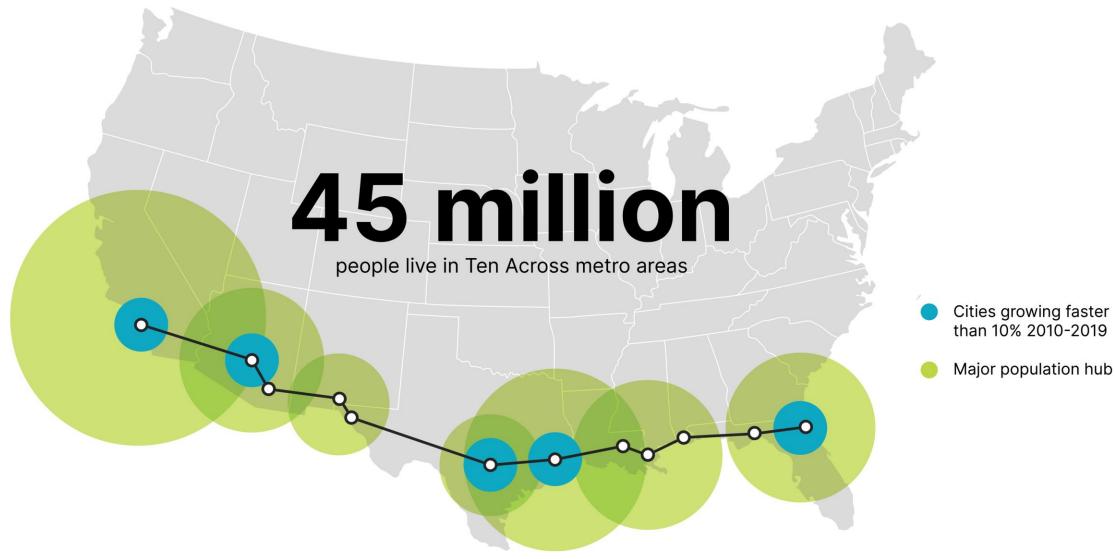
Thesis

Positioned on the front lines of demographic, social, economic and climate change, the U.S. Interstate 10 corridor presents the challenges of the 21st century in their highest relief.



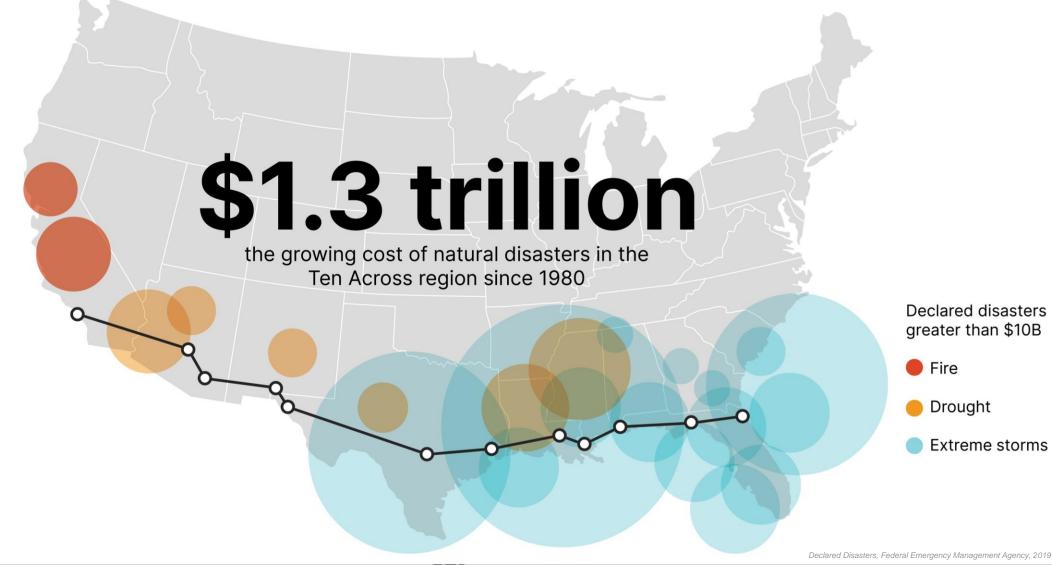


Scale + Growth



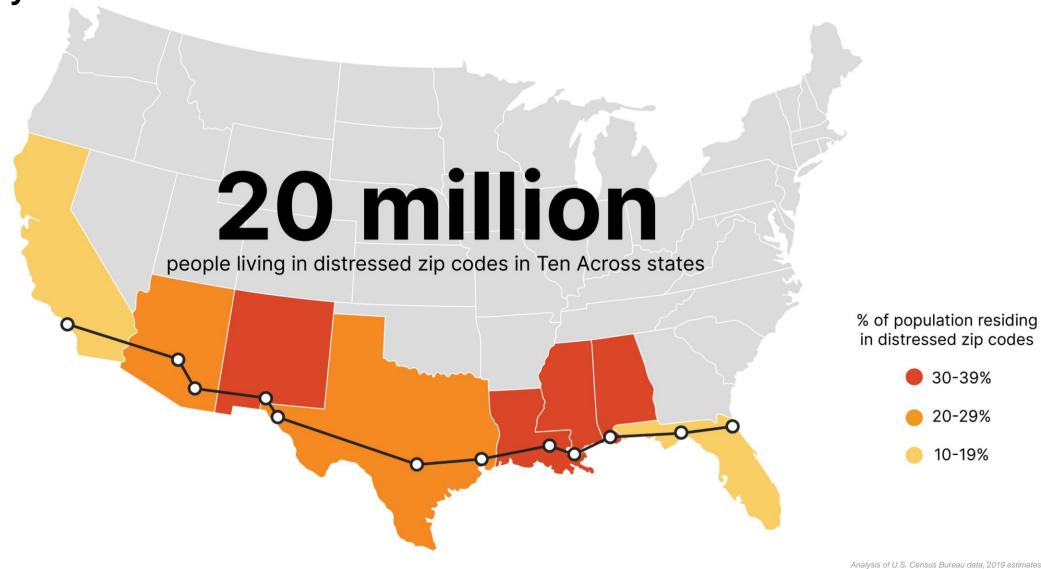


Risk + Resilience



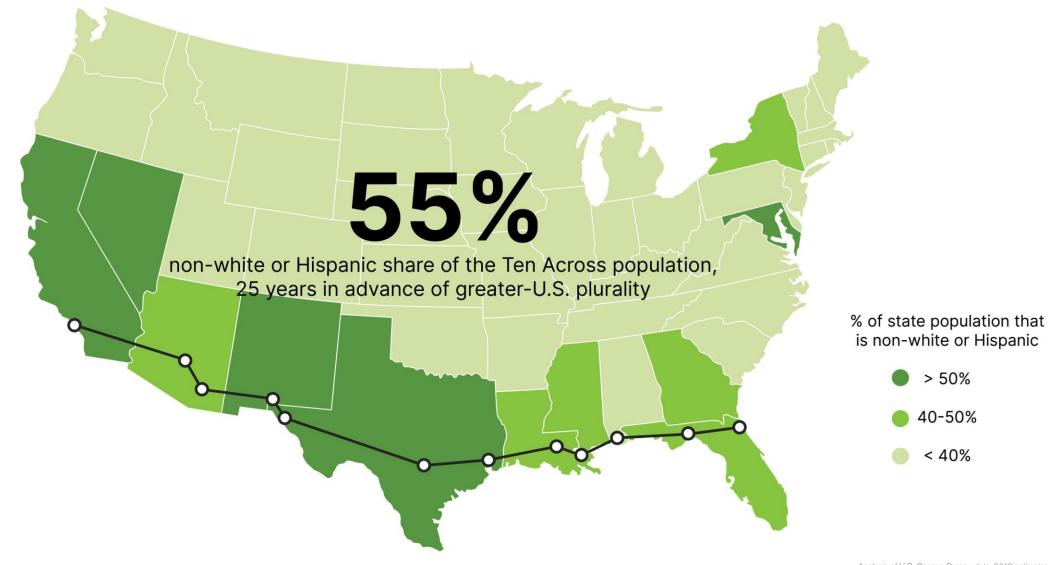


Vulnerability



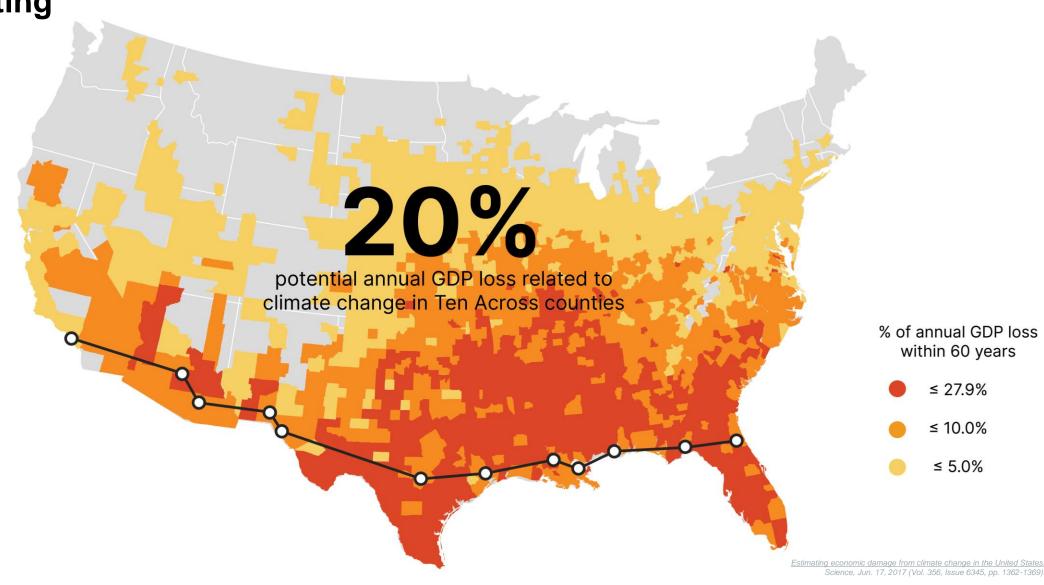


Plurality





Futurecasting



TEN ACROSS

10X Summits







10X Chief Resilience Officers Network (LA)















RESEARCH

About Data Viz Surveys Topics COVID-19 Ten Across Mood of the Nation In The News Blog

DONATE

THE LAB'S PARTNERSHIP WITH **TEN ACROSS**



What is 10X?

The Ten Across initiative frames the U.S. Interstate 10 corridor, stretching from Los Angeles to Jacksonville, as the premier observatory for our collective capacity to imagine a more resilient future and inclusive society.



APM + 10X partnership





Points of reference: Anti-boycott legislation and Texas' ESG Blacklist

In August, Texas Comptroller Glenn Hegar released a "blacklist" of financial firms with plans to divest state pension funds from those companies based on the state's 2021 anti-boycott law. This legislation, which now may be serving as a model for similar legislation in other states, prohibits state investment with firms that boycott energy companies.



Following the demand: The ins and outs of warehouse automation

Last month, Amazon announced a major milestone in warehouse automation – the introduction of a robotic system that can recognize and handle distinct objects. With recent strides in automation like those made by Amazon, will warehouse automation have a role in the growing supply chain? Like any technology, warehouse automation has its critics, who question its efficiency, safety and impact on workers.



Back to school: Expansive Arizona program puts universal school choice under the microscope

With notable growth in state- and tax-funded financial aid just in the last year, school choice has become increasingly political. Questions regarding its accountability and effectiveness have been studied for years, but Arizona's new legislation, set to take effect Sept. 24, has produced additional scrutiny. There is already a mounting effort to repeal this law.



Autonomous trucking: Is it steering technology in the right direction?

Autonomous trucks are quickly beginning to infiltrate America's roadways. The technology has made most gains in light trucking and has been more slowly implemented in heavy trucks, with many companies using Interstate Highway 10 to test it. But just how feasible and safe is autonomous trucking technology? And how will automation impact the industry's inability to recruit and retain truck drivers?



Insurance aflame: Coverage inequities rage as population grows in wildfire regions

A 2015 study confirmed that fire seasons have lengthened by more than a month in parts of the western U.S. compared to 35 years ago. But just as wildfires have increased, so have the number of people moving to high-risk fire areas along the West Coast. Meanwhile, adequate insurance for wildfire damage appears to be harder to come by in recent years.



Why does the U.S. lag other nations so badly in the automations of its ports? (And is that good or bad?)

Supporters of automation praise its eco-friendly efficiency. However, according to the 2021 Container Port Performance Index, three of four American ports that incorporate automated technologies rank low for overall efficiency compared to both automated and unautomated ports in other countries. So, why is that the case?

10X in Conversation podcast











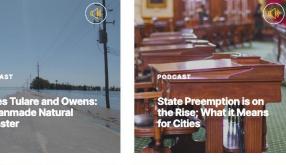




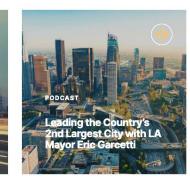












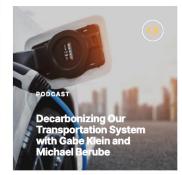










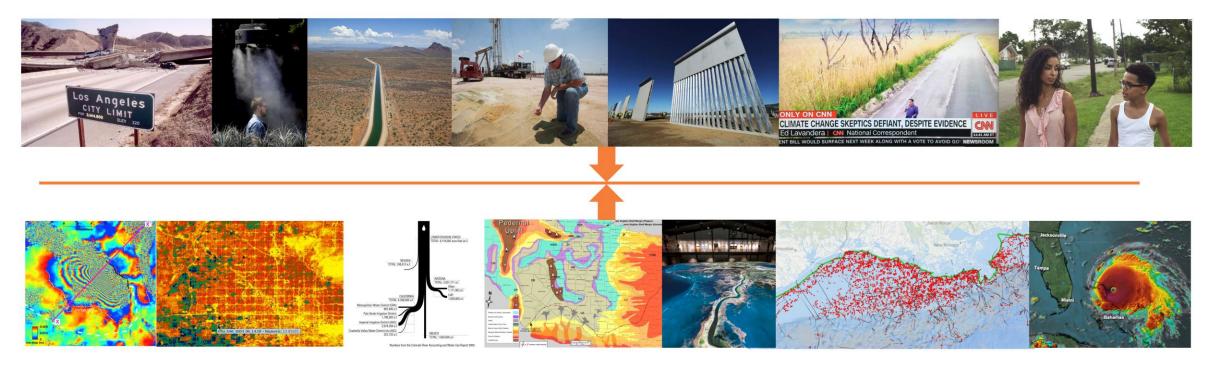








LIVED EXPERIENCE + MEDIA NARRATIVES



DATA-DRIVEN VISUALIZATIONS





CGF 110

Resilient American Futures: An academic roadtrip

Audience: High school (grades 11-12), college (1st years), lifelong learners (ULC students) in I-10 corridor and beyond







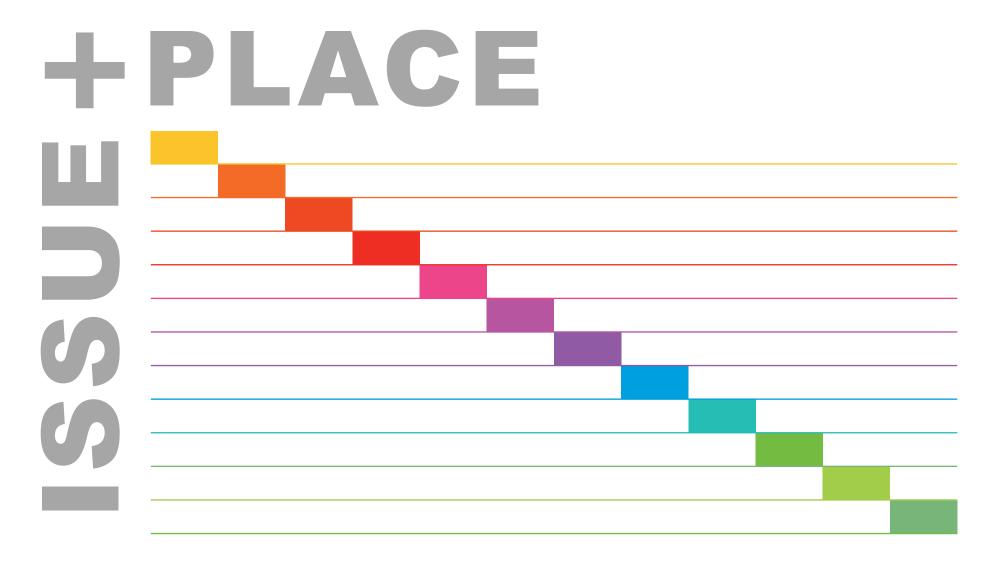




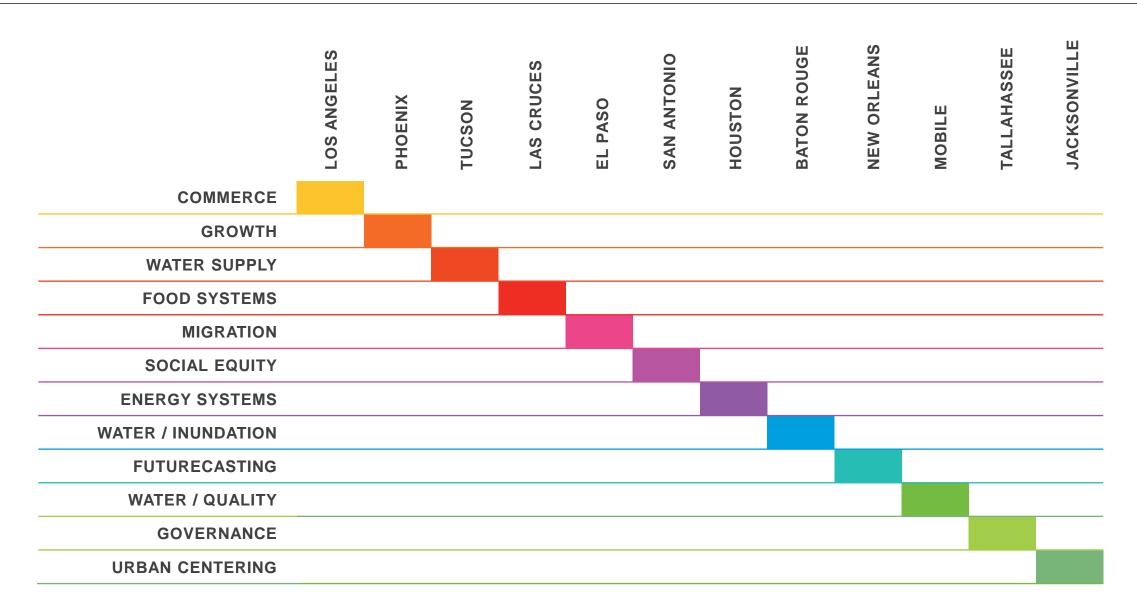


















Chapter 3: Tucson and the Flow of Water



Section 3.1

COLLECTION

Dependence on a distant climate

3.1.1

Earth Science - Climatology

3.1.2

Sustainability - Complex Adaptive Systems



Section 3.2

TRANSPORT

Water flows uphill

3.2.1

Political Science – Political Development/Comparative Politics

3.2.2

Engineering – Civil/Electrical



Section 3.3

STORAGE

Nature's underground water tank

3.3.1

Earth Science - Geology

3.3.2

Public Service - Water Policy



Section 3.4

RECYCLING

Dumping wastewater becomes helpful

3.4.1

Chemistry – Environmental

3.4.2

Life Science - Ecology



Chapter narratives introduce 70+ essential professional roles:

Anthropology – Archaeology

Anthropology – Cultural

Anthropology/Sociology - Social/Cultural Analysis

Art - Film Production

Art - Visual

Business – Agribusiness

Business – Entrepreneurship

Business – Global Management

Business – Marketing

Business - Supply Chain Management

Real Estate Development

Chemistry – Environmental

Communication – Government/Public

Communication – Technical

Computer Science - Data Science & Analytics

Design – Architecture

Earth Science - Climatology

Earth Science - Geology

Earth Science - Geomorphology

Earth Science – Meteorology

Economics – Microeconomics

Education – Teaching

Engineering - Civil/Electrical

Engineering – Environmental Hydrology

Engineering - Environmental Waste

English - Film and Media Studies

English – Literary Studies

Ethnic Studies - African and African-American

Ethnic Studies - American Indian

Ethnic Studies - Asian Pacific American Studies

Geography - Cartography

Geography - Economic

Geography - Energy

Global Studies - International Relations

Global Studies - Transborder Studies

History - Urban

Journalism - Feature

Journalism - Hard News

Justice Studies - Migration Policy

Language - Spanish

Law - Civil/Criminal

Law - Government

Life Science - Agricultural Science/Genetics

Life Science - Ecology

Life Science – Marine Biology

Medical Science - Healthcare

Military Science – Public/Private Partnerships

Philosophy - Political

Political Science – Government

Political Sci –Developmental/Comparative Politics

Psychology - Behavioral

Public Health - Kinesiology

Public Health – Population Health/Nutrition

Public Service – Emergency Management

Public Service - Land Use Policy

Public Service – Nonprofit Management

Public Service – Parks & Recreation Management

Public Service – Social Work

Public Service – Tourism Management

Public Service - Water Policy

Sociology – Environmental Justice

Sustainability -- Complex Adaptive Systems

Sustainability - Energy Futures

Sustainability - Food Systems

Sustainability – Planning/Futurecasting

Sustainability - Waste Systems

Urban Planning – Community Development

Urban Planning – Environmental

Sustainable Urban Development

Women and Gender Studies - Social Justice







































ESRI STORYMAPS





Chapter 1 Los Angeles: Commerce + the Flow of Goods



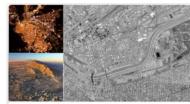
Chapter 2 Phoenix: Growth + the Emergence of Community



Chapter 3 Tucson: The Flow of Water



Chapter 4
Las Cruces: Farming + the Flow of Food



Chapter 5El Paso: Migration + the Flow of Culture



Chapter 6 San Antonio: Neighborhoods + the Flow of Opportunity



Chapter 7 Houston: The Flow of Energy



Chapter 8Baton Rouge: The Overflow of Water



Chapter 9 New Orleans: Future + the Emergence of Resilience



Chapter 10 Mobile: Water Resources + the Flow of Economic Prosperity

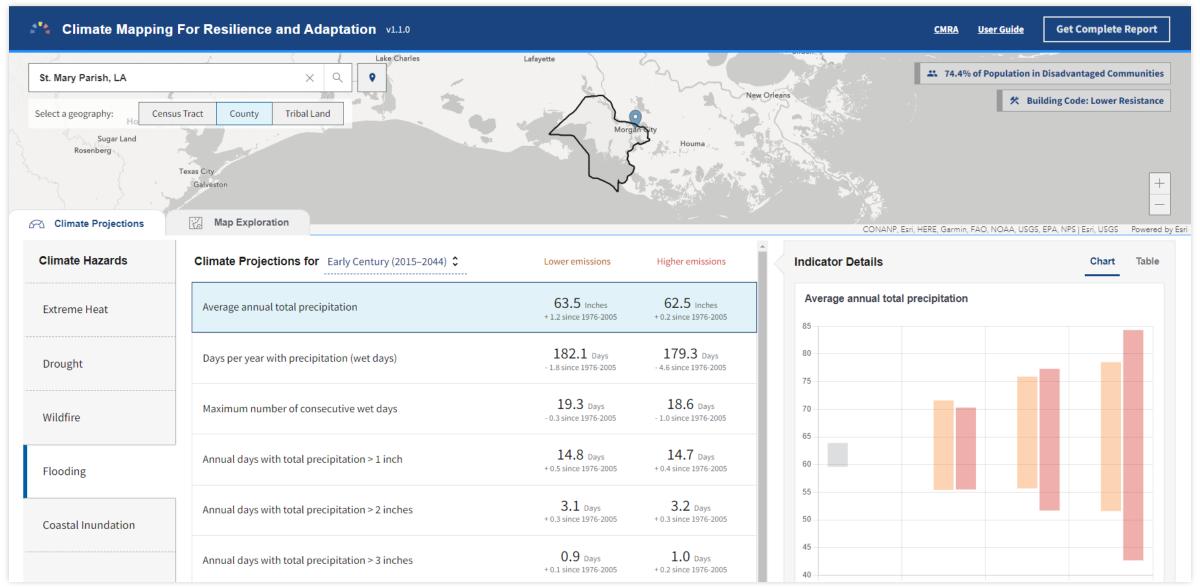


Chapter 11
Tallahassee: Government + the Flow of Power



Chapter 12Jacksonville: Governance + the Emergence of Community









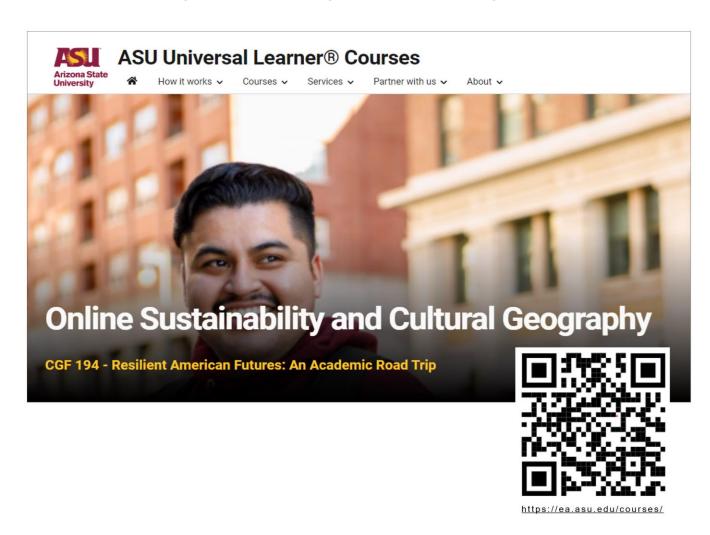


Inclusionary course delivery features:

- 7.5-week, 3-credit online course structure designed to be asynchronous and scalable to large audience, accessible by ASU students working full-time and nonstudent learners (Universal Learner @ ASU)
- No textbook costs (students only need basic computer, internet connection and ASU ID)
- All textbook references accessible in full-text online format through ASU Libraries links in ArcGIS StoryMaps bibliography



Offered jointly by ASU College of Global Futures (on-campus/online students) and ASU Learning Enterprise (high school/non-degree learners)



Start Anytime.

Choose from 50+ for-credit courses, all available online, many offered as self-paced. Pay only \$25 to start.

Universal Eligibility.

No Transcripts needed. No application required. No GPA thresholds.

No penalty for failure.

Pay \$400 for your course only if you successfully pass and want to transcript. High School partners may choose to pay \$250 up front.

Earn college credit.

Receive a transcript with your completed courses.

Earn admission to ASU.

Pass four or eight ULC courses with a 2.75 or above and earn admission to most ASU degree offerings.



journalism and communications courses





MCO 394: Resilient American Futures + Media



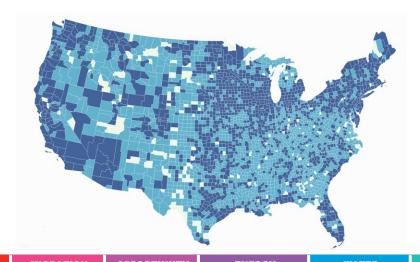




GIS and data journalism courses

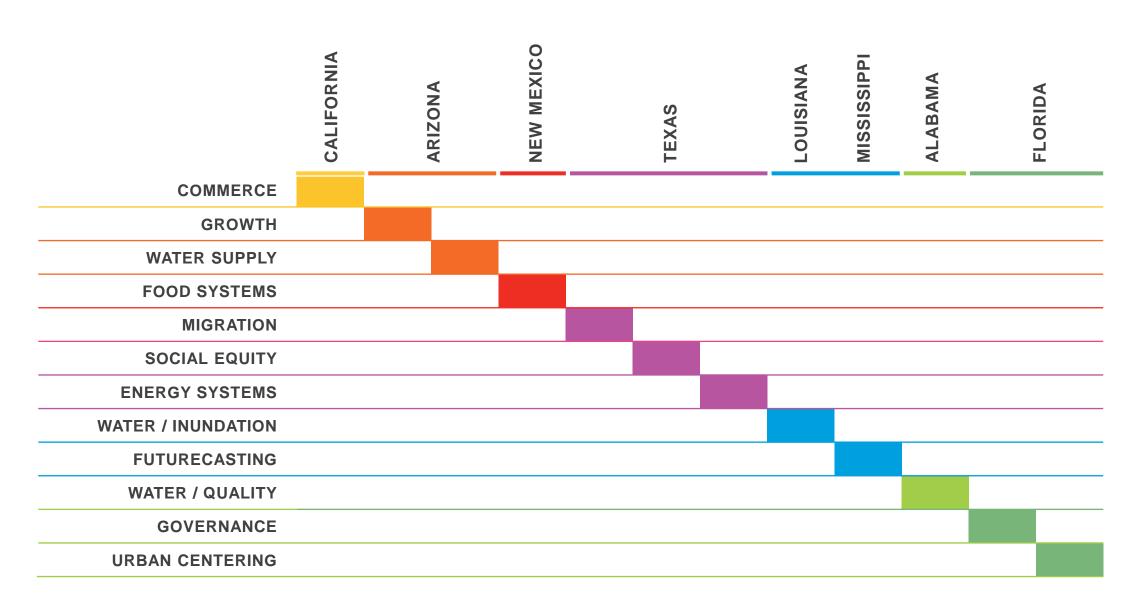


GIS 110: GIS for Resilient American Futures (in development)

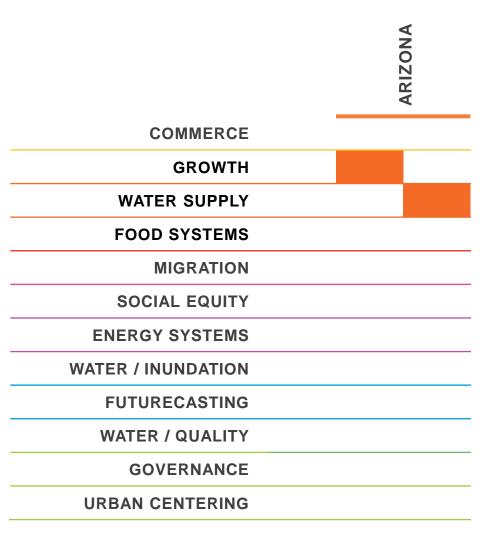




















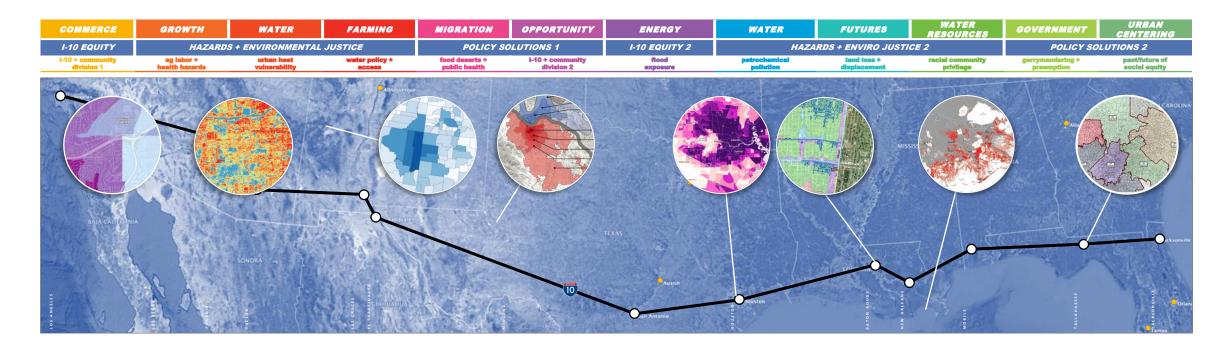




Which GIS careers are related to the chapter narratives?

How did GIS professionals work in GIS software – and collaboratively with others – to help address the local sustainability problem?

What types of local datasets and analyses did they use? Are simplified versions of these datasets available for classroom use?







Thank you.

Wellington.Reiter@asu.edu

Executive Director, University City Exchange Arizona State University

Benjamin.W.Stanley@asu.edu

Director of Curriculum, Ten Across Initiative, University City Exchange Instructor, College of Global Futures
Arizona State University





