

Littleton Comprehensive Economic Development Strategy (CEDS) Think-Tank







PART 1









City of Littleton, Colorado **Comprehensive Economic Development Strategic Planning Process**

STEP 1

Explore Perceptions

- Evaluation of existing economic conditions
- Market trends analysis
- Key stakeholder interviews

Benchmark Report

April – July

STEP 2

Future Scenarios & Implications

- Stakeholder Survey
- **Littleton CEDS Think-Tank**
- **Identify Preferred Future**

Scenarios of the Future Think-Tank Report

July - August

STEP 3

Develop Draft Strategic Plan

- **Business Survey**
- **Focus Groups**
- **Draft Plan and** Recommendations
- Draft Toolkit

Draft Final Plan Report & Toolkit for Implementation

August – September

STEP 4

Strategic Roadmap

- **Future Summit**
- **Development Strategic Plan Report with Toolkit**

Final Economic Development

September – October

Strategic Plan Report

Final

Presentation

CEDS Plan

- **Final Economic**

October

We are here

Littleton CEDS Think-Tank

Part 1 – Explore Future Trends

- Macro trends shaping the future
- Key drives shaping the future
- Rating future impact of drivers

Part 2 – Build ED scenarios

- Develop plausible scenarios of the future
- Identify expected and preferred futures
- Build strategic pillars



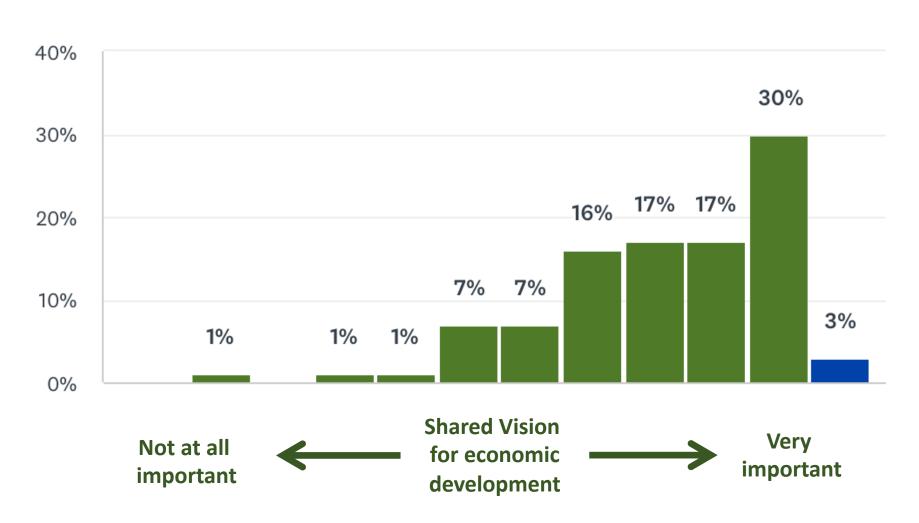




How important do you think it is to have a **SHARED VISION** for economic development in Littleton?

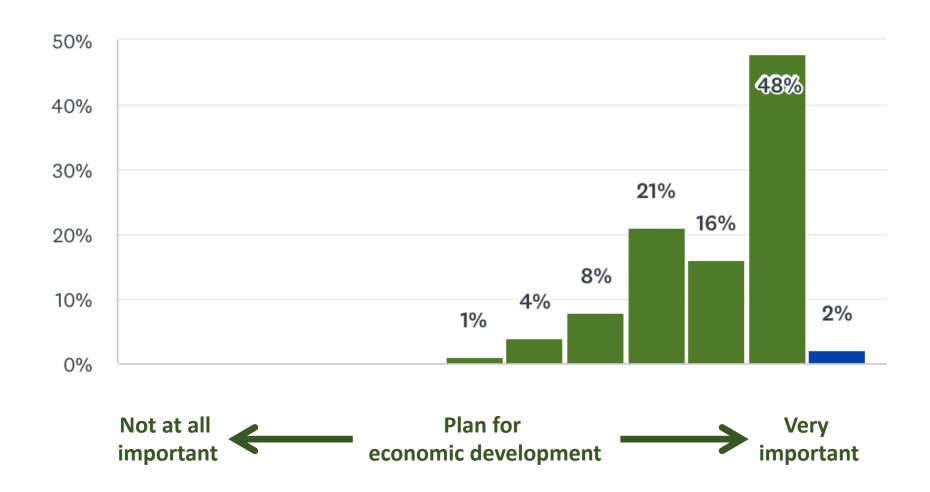
(i.e. a vision or perspective on the future that is shared community-wide)

Scale: 1 = Not at all important; 10 = Very important



How important do you think it is to have a **PLAN** for economic development in Littleton?

(Scale: 1 = Not at all important; 10 = Very important)





The Importance of Future Thinking

The key to effective future thinking...

Consider both **trajectory** (direction of change) and **velocity** (speed of change).



The challenge for the Think-Tank

- Explore the future -
- Ask the hard questions -
 - Think creatively -

The outcome may be a new view of the future.









Key emerging trends shaping the future of economic development in Littleton



In a time of change and uncertainty....

- Which trends are being amplified and accelerated?
- What changes might be more elastic?
- Where are the potential tipping points?





Forces impacting the world, regions and people

What are the emerging macro drivers...

Macro Trends and Forces of Change Related to . . .

- Demographics, population and mass urbanization
- Energy, food, water & climate change
- Technology driving change



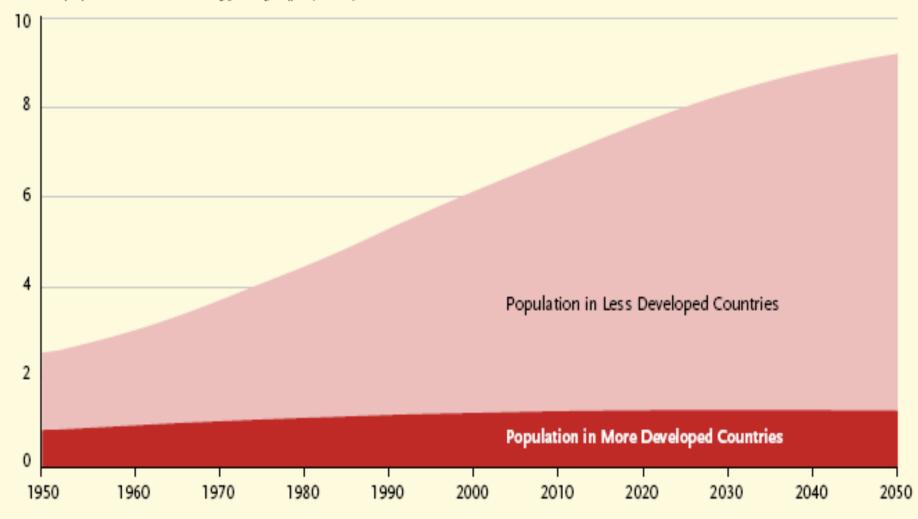


Demographics, population and mass urbanization

future>iQ

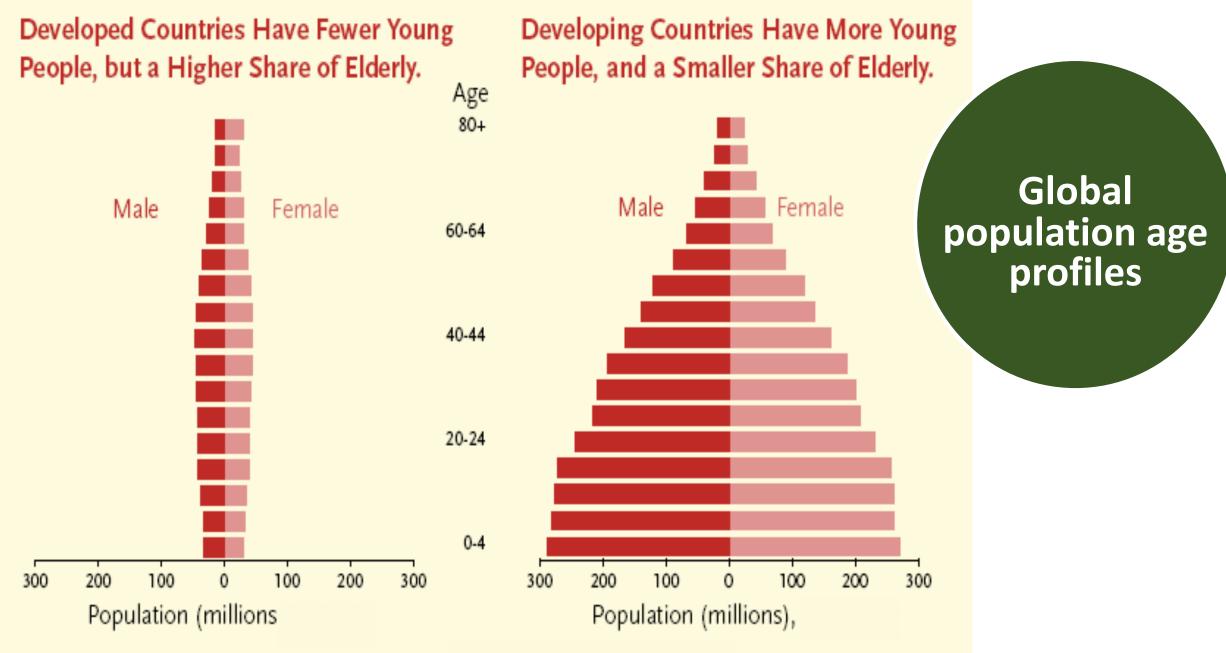
Global Population Growth Is Driven By Developing Countries.

World population in billions, 1950-2050 (projected)

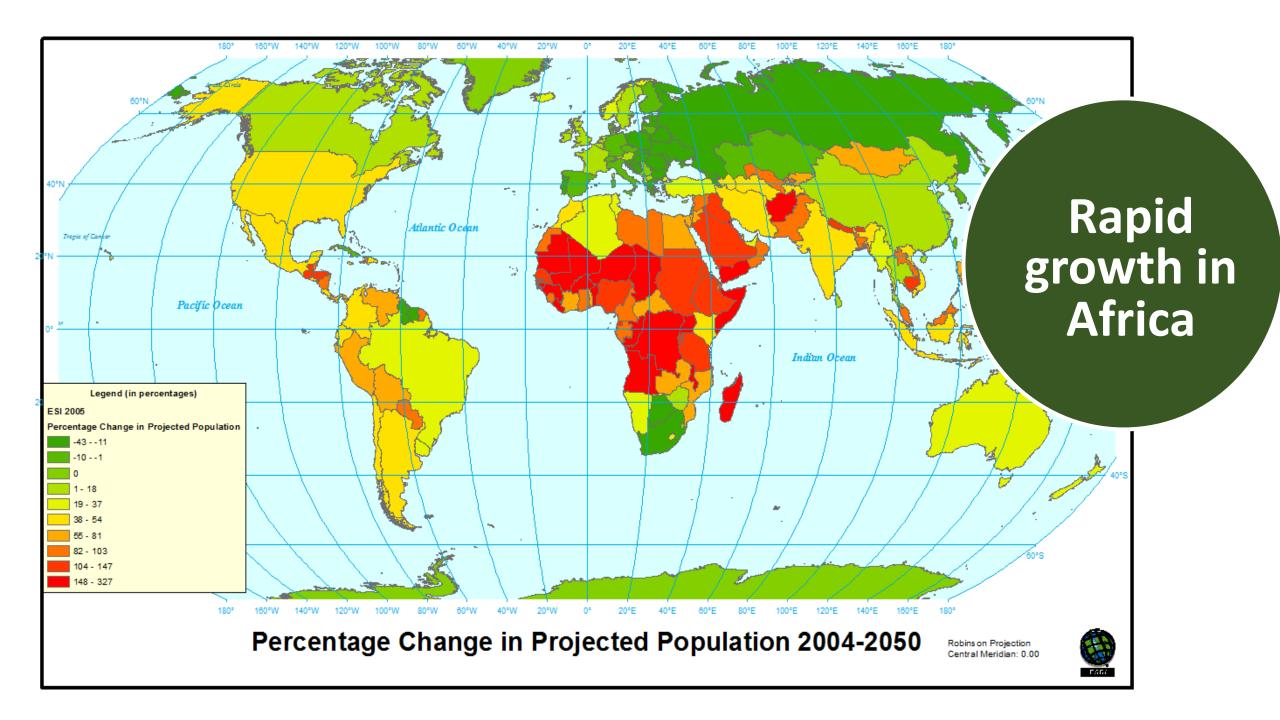


Global population

Source: United Nations, World Population Prospects:



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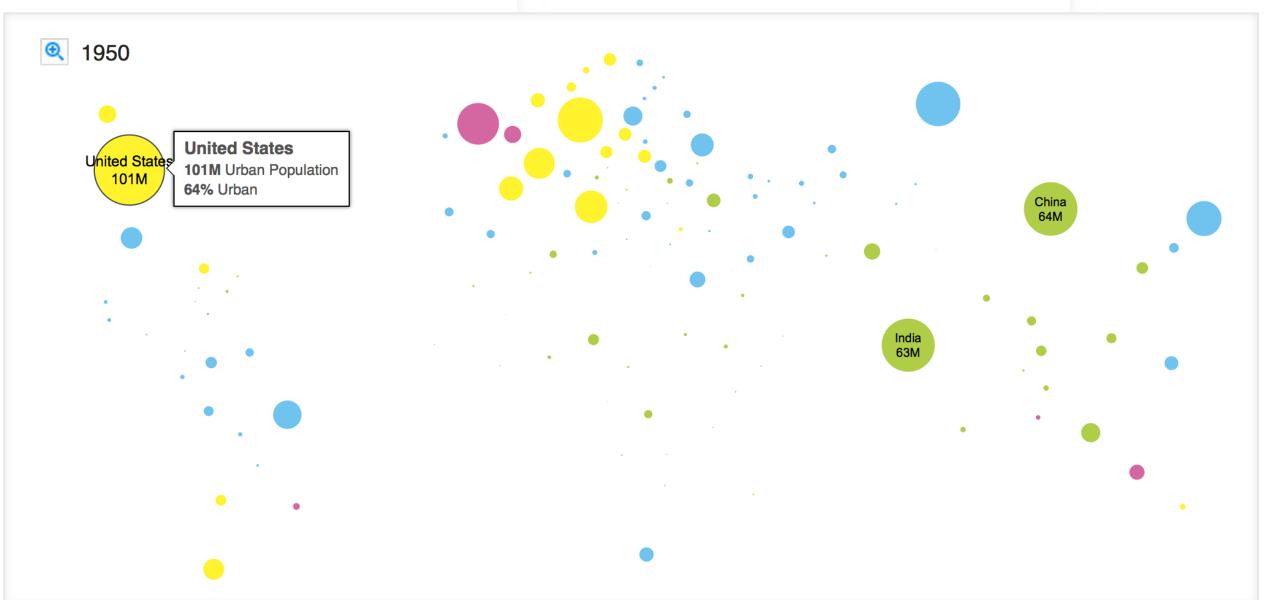


AN URBAN WORLD

This graphic depicts countries and territories with 2050 urban populations exceeding 100,000. Circles are scaled in proportion to urban population size. Hover over a country to see how urban it is (percentage of people living in cities and towns) and the size of its urban population (in millions).

Urban Population

- Greater than 75%
- 9 50% 75%
- 9 25% 50%
- Less than 25%



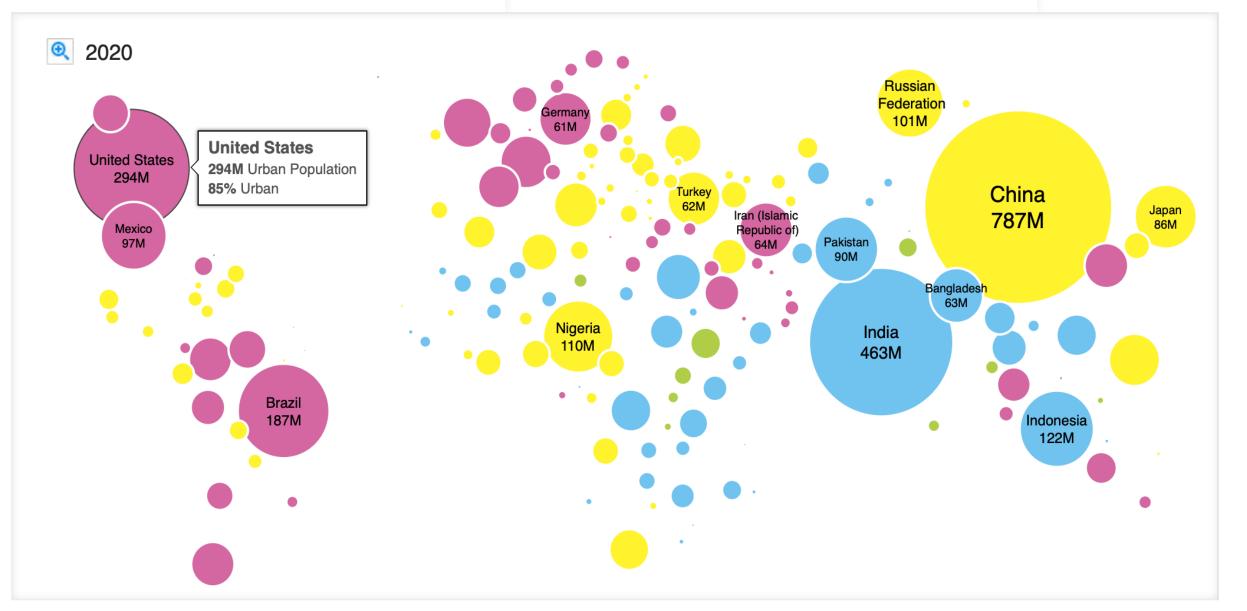


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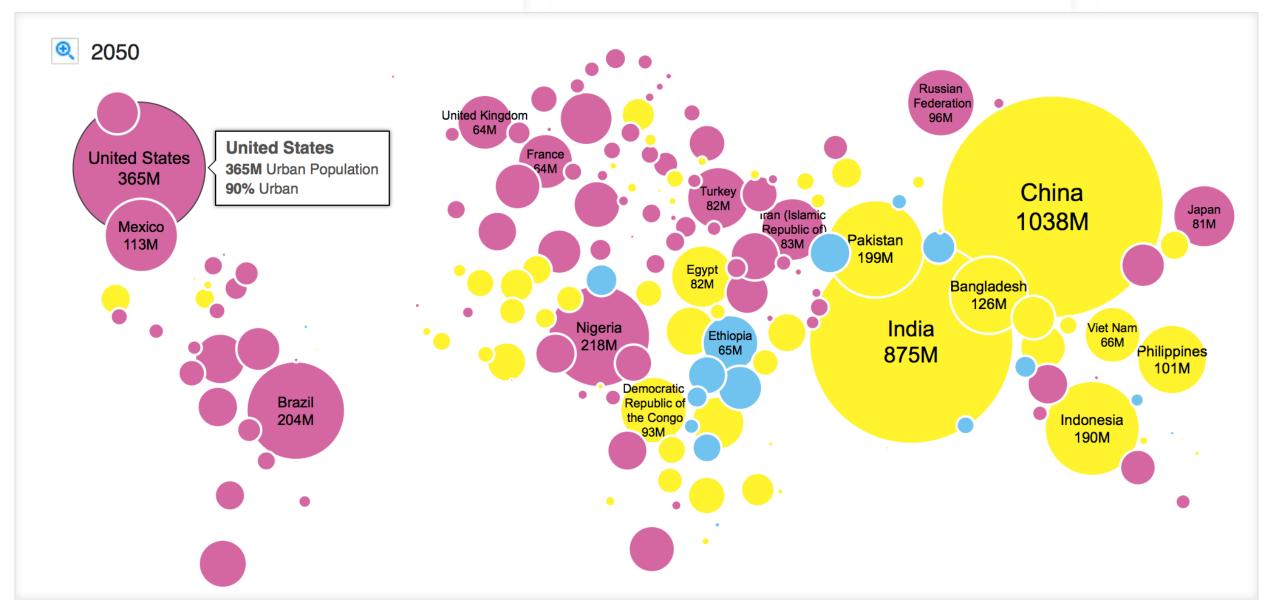


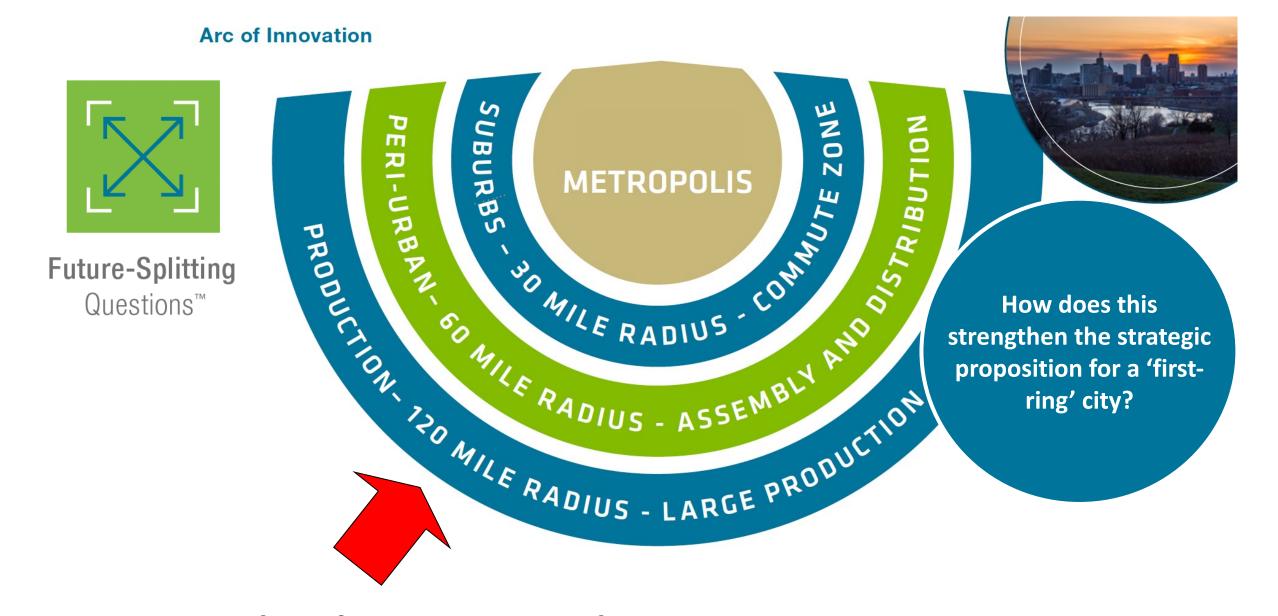
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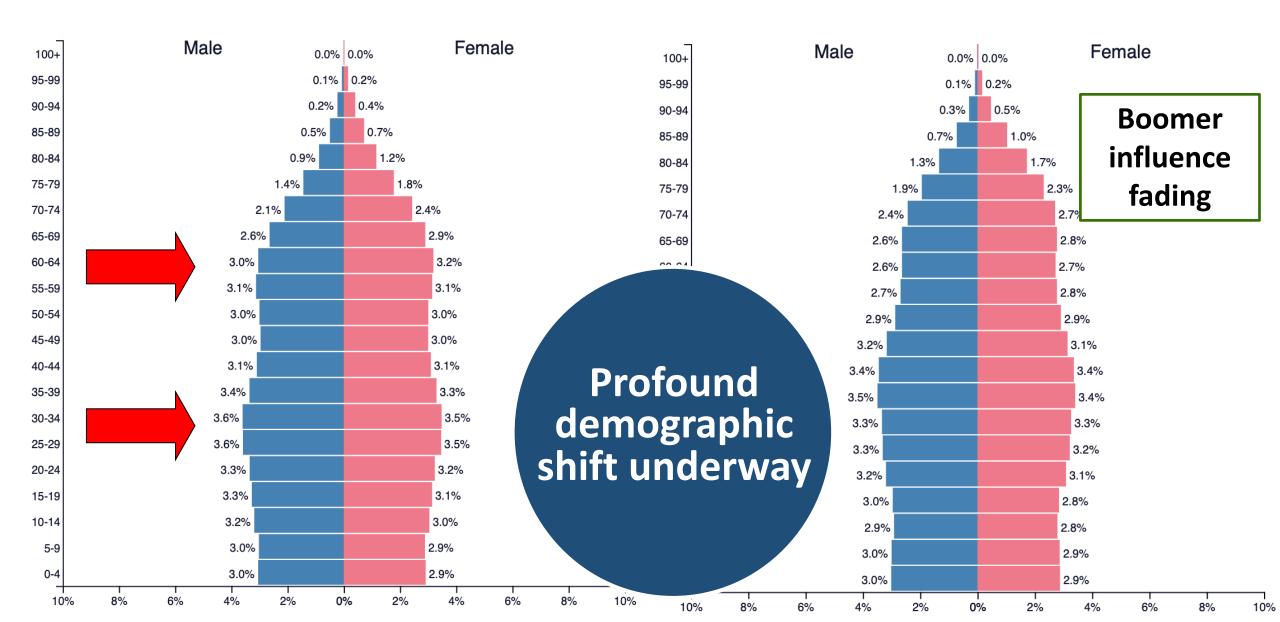
Society is re-distributing into and around mega-cities

United States of America ▼ 2022

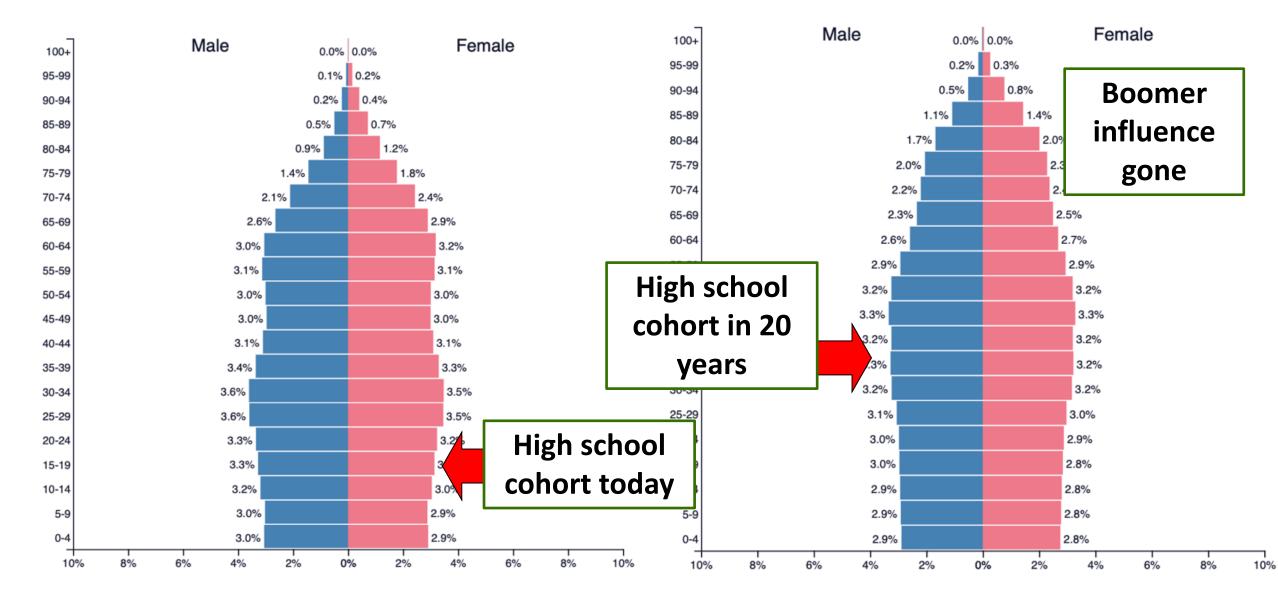
Population: **334,805,268**

United States of America ▼ 2032

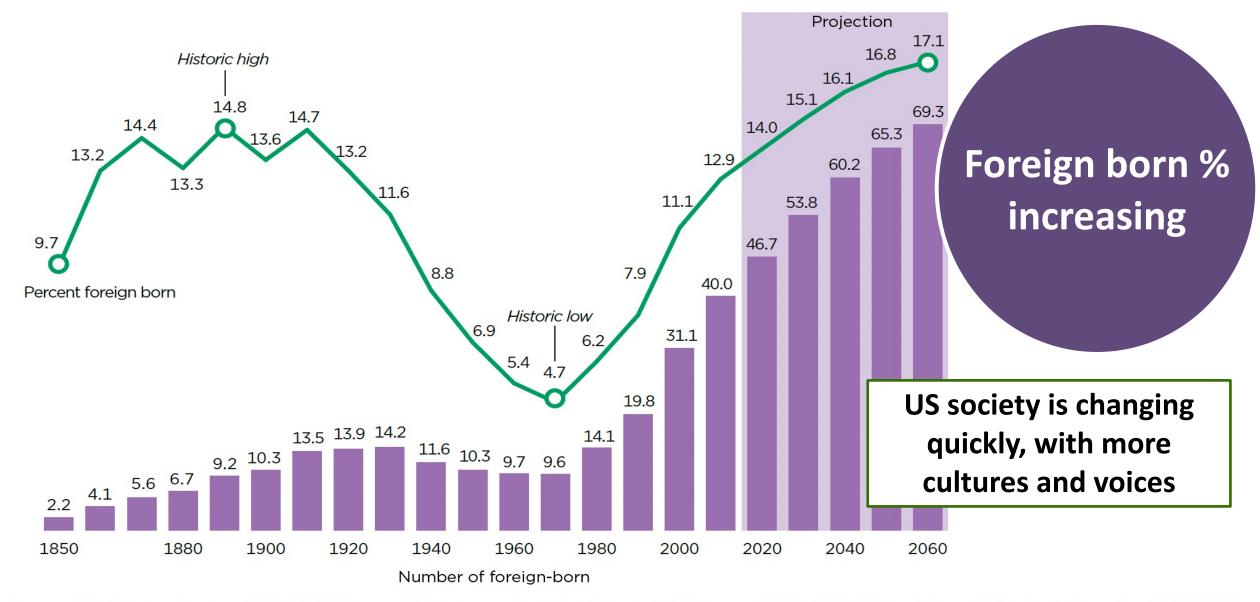
Population: 353,335,452



United States of America ▼ 2022 Population: 334,805,268 United States of America ▼ 2042 Population: 369,396,554



By 2028, the foreign-born share of the U.S. population is projected to be higher than at any time since 1850.



Source: U.S. Census Bureau, 1850-2000 Decennial Censuses, American Community Survey 2010, 2017 National Population Projections for 2020-2060.



Predictions and observations

- Generational change is coming which will trigger widespread upheaval of norms.
- People and industries will continue to cluster around mega-cities, in specialized cities and regional centers.





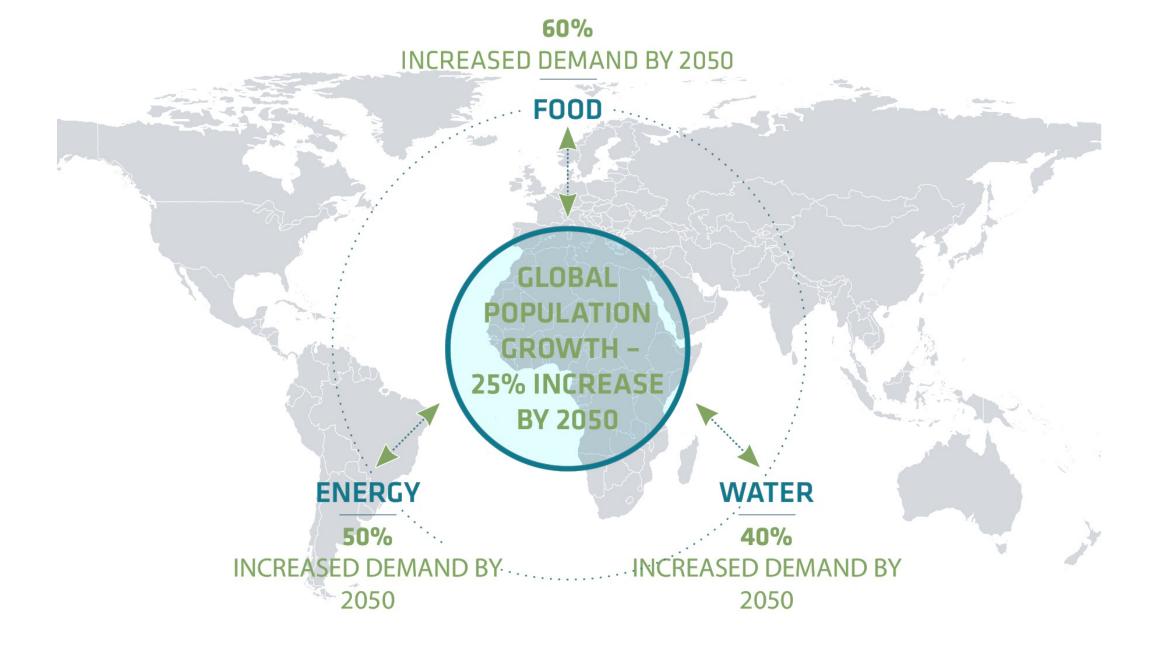
Demographic + Population + Mass Urbanization

What does this mean for the the future of economic development in Littleton?



Energy + Water + Food + Climate Change





Renewable Energy

Potential for unlimited cheap energy

Electrification of the world is accelerating, driven by renewable energy

FRESH WATER

- Nearly 450 million people in 29 countries now face severe water shortages
- As much as 2/3 of the world population could be water-stressed by 2025
- Half the world's rivers and lakes are seriously polluted

2 BILLION

PEOPLE DON'T GET ENOUGH VITAMINS AND MINERALS

795 MILLION

PEOPLE DON'T GET ENOUGH CALORIES

161 MILLION

CHILDREN ARE CHRONICALLY UNDERNOURISHED

OVERWEIGHT & OBESITY

WE HAVE A BIG PROBLEM WITH UNDERNUTRITION

1.9 BILLION

ADULTS ARE OVERWHEIGHT OR OBESE

1 in 12

ADULTS HAVE DIABETES

42 MILLION

CHILDREN ARE OVERWEIGHT

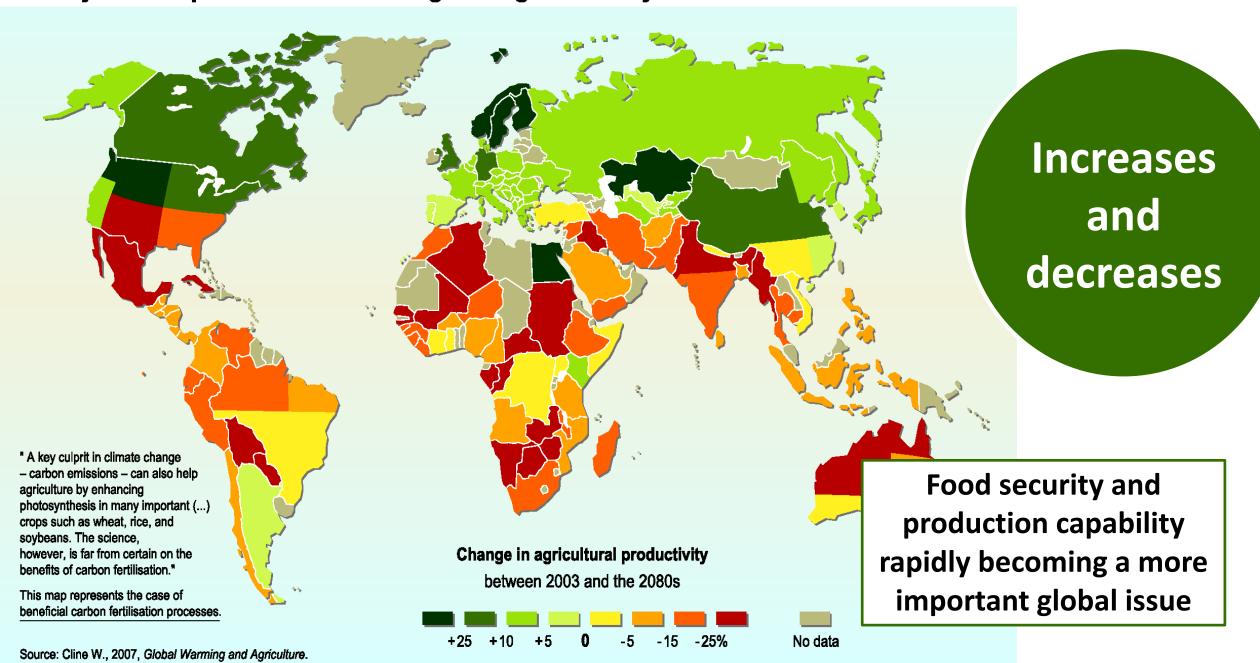


2.5-4.9% 5-14,9% 15-24,9% 25-34,9% >35% DATA NOT AVAILABLE

SAVING LIVES CHANGING LIVES

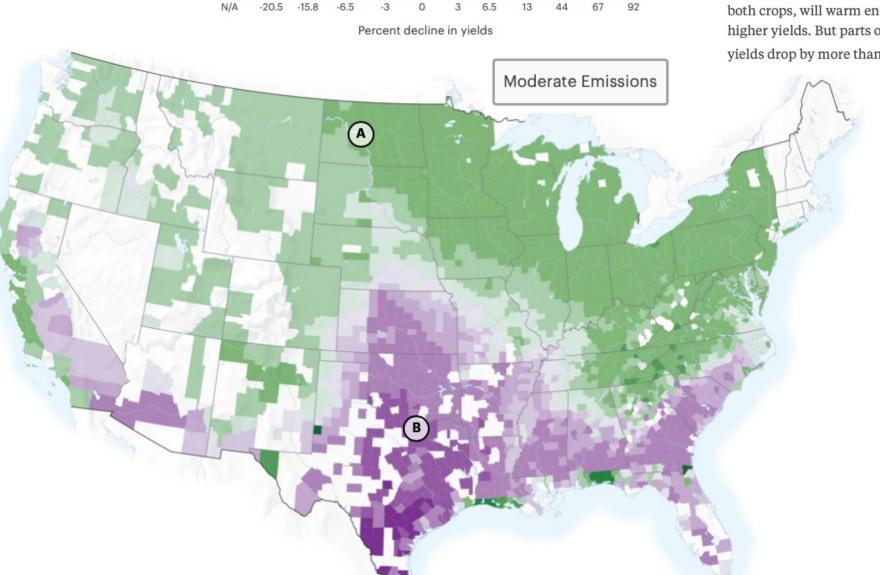
Prevalence of undernourishment in the total population (percent) in 2018-20

Projected impact of climate change on agricultural yields



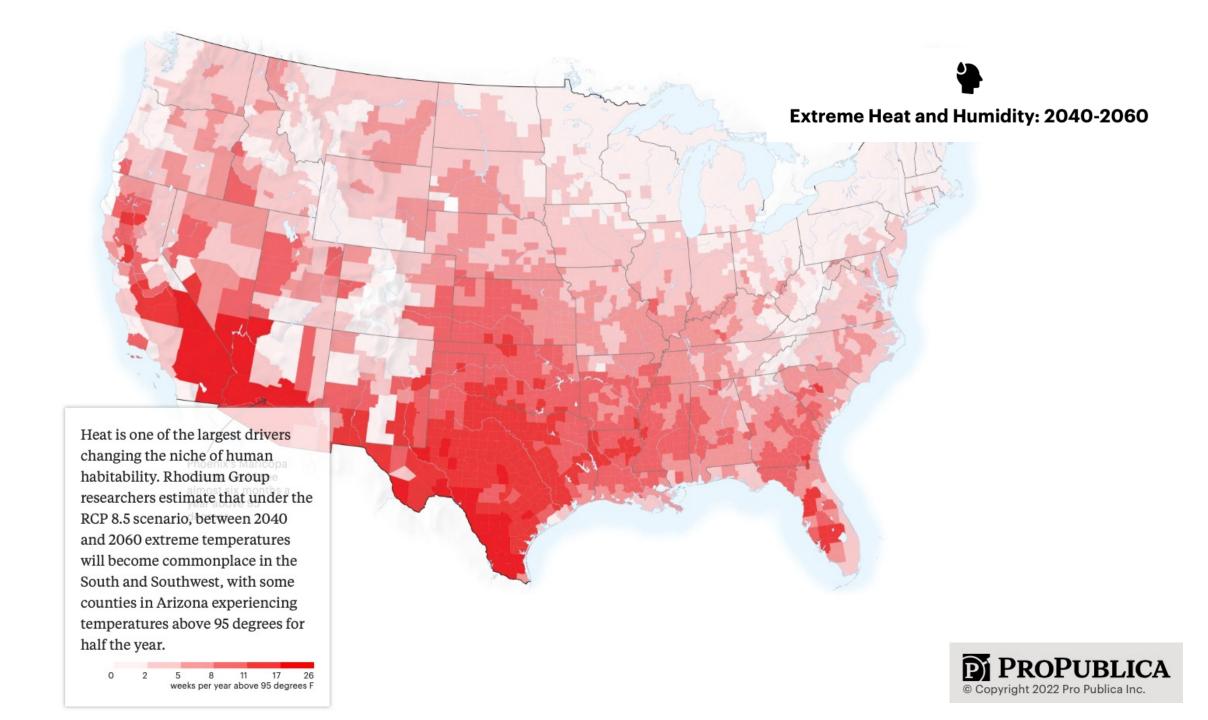


Farm Crop Yields: 2040-2060



Corn and soy production is more sensitive to heat than drought, and it will decrease for every degree of warming. By midcentury, North Dakota (A), which already harvests millions of acres of both crops, will warm enough to allow for more growing days and higher yields. But parts of Texas and Oklahoma (B) may see yields drop by more than 70%.



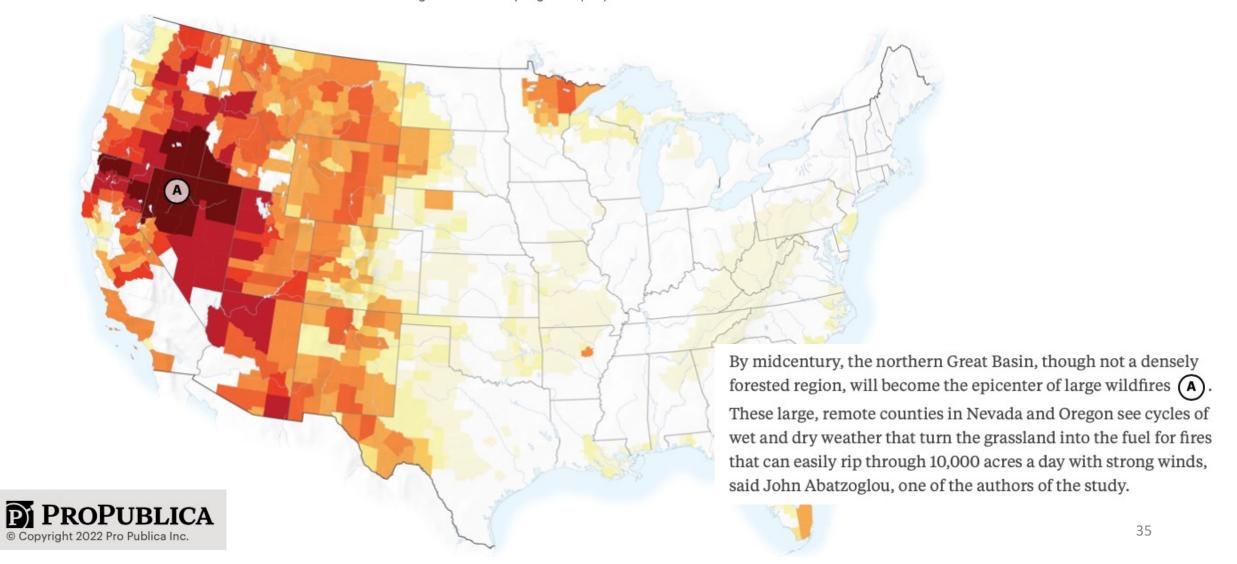


High Emissions





Average number of very large fires per year





Moderate Emissions

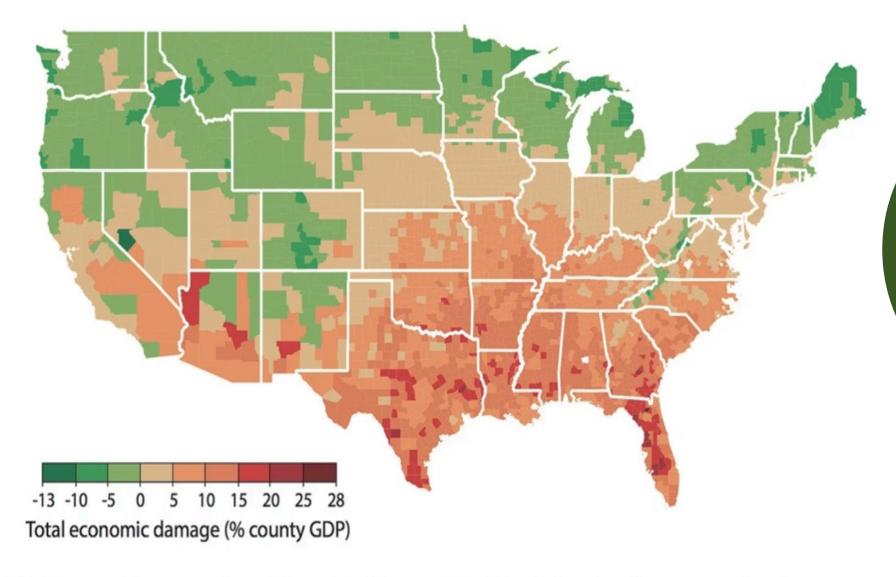


Sea Level Rise: 2040-2060

Some 50 million Americans live in eight of the largest U.S. metro areas — Miami (A), New York (B) and Boston (C) among them — which all lie in some of the most affected counties in the







Potential economic damages are shown at the county level in a scenario in which emissions of greenhouse gases continue at current rates. Green indicates areas that could see economic benefits. To see an interactive version of this map, click here.

Hsiang, Kopp, Jina, Rising, et al./Science

Long term
GDP impact
positive in
north

Climate change may drive migration patterns within US may move to 'north', and from 'west to center'



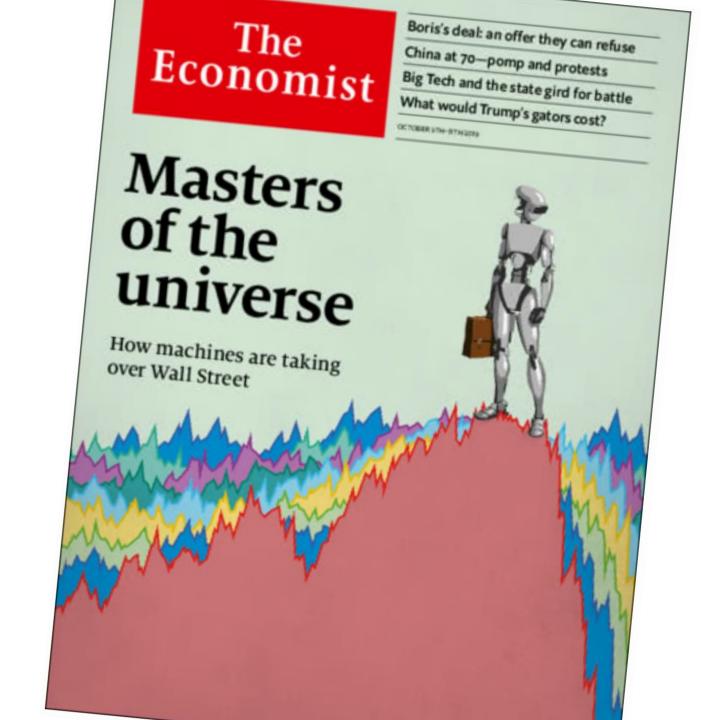
Predictions and observations

- Growing disconnect between where food will be consumed, and where it can be grown.
- New migration patterns are emerging

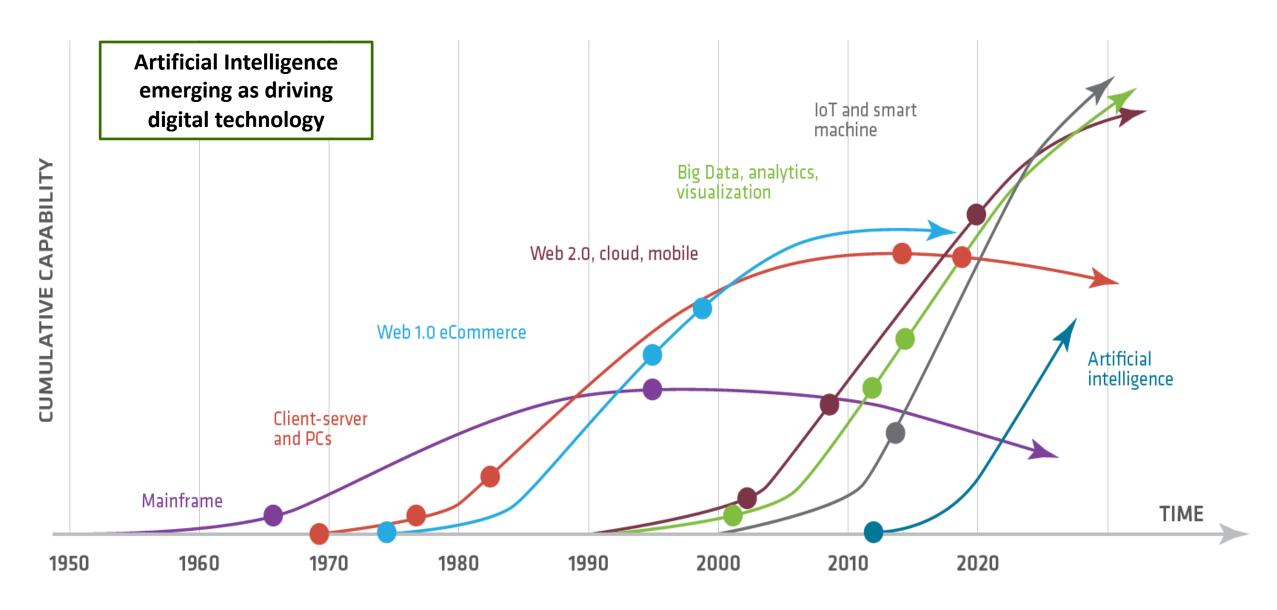




Technology and the speed of change



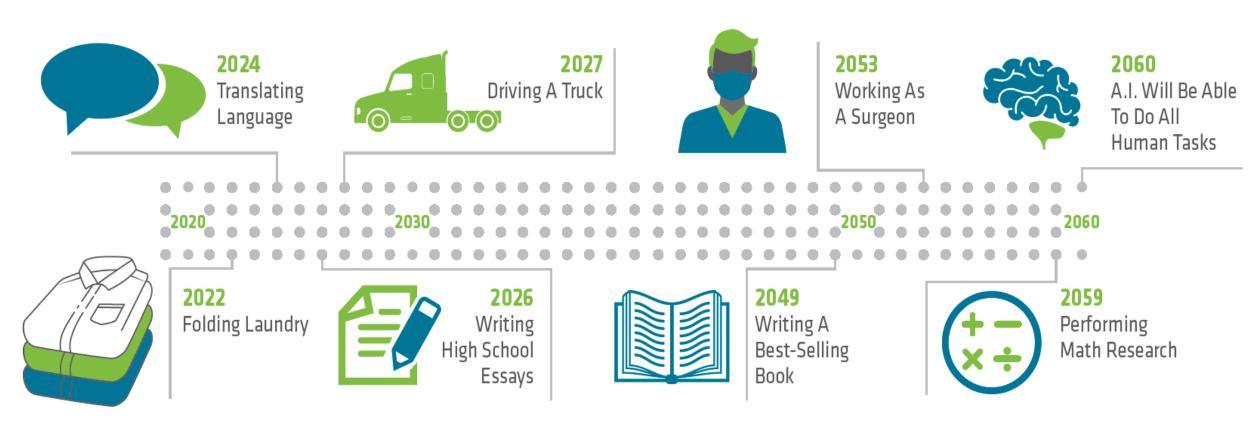
THE INCREASING CAPABILITY OF DIGITAL TECHNOLOGIES



When will Al outperform people?

Al is reshaping our lives and industries – right now

AI WILL LIKELY OUTPERFORM HUMANS AT ...



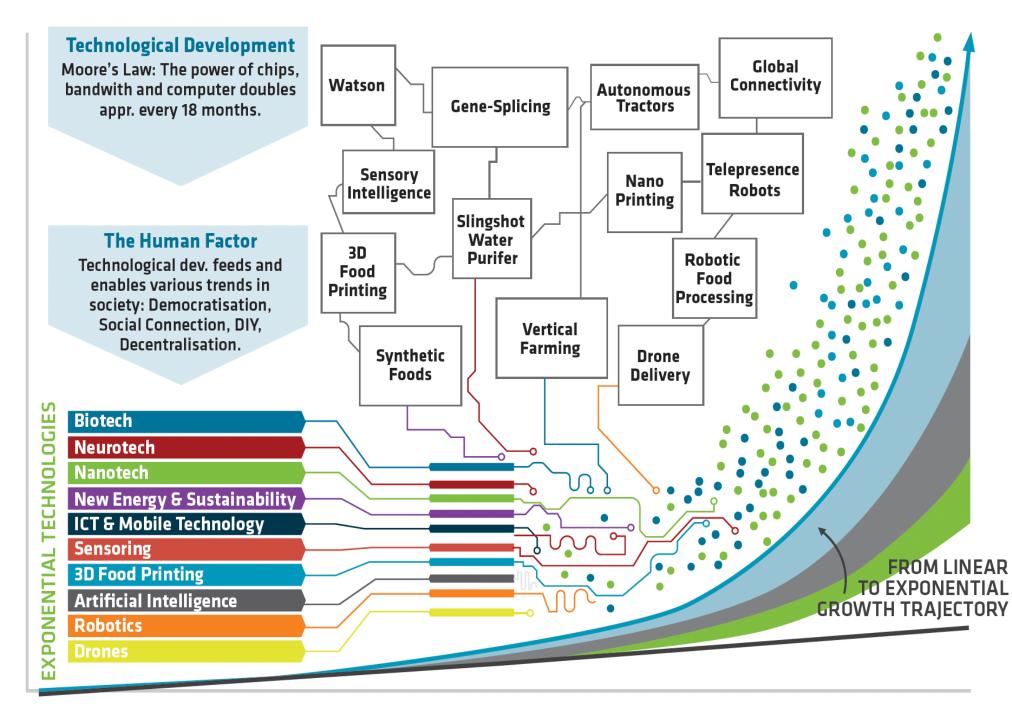
Source: 'You Will Lose Your Job to a Robot–and Sooner Than You Think'. Kevin Drum, Mother Jones, November / December Issue, 2017. (adapted from 'When will AI exceed human performance? Evidence from AI Experts', Oxford and Yale University 2017) 112



Rapid systemic change and technology integration

SPEED OF TECHNOLOGICAL CHA

Adapted from: Source: Deloitte. 2014. Industry 4.0 Challenges and solutions for the digital transformation and use of exponential technologies





Technology and speed of change

- Waves of disruption and technology are reshaping education, industries and economies
- Speed of change is exponential









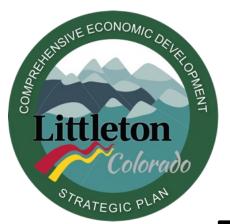




What do all these future trends mean for the future of economic development in Littleton?







Littleton Comprehensive Economic Development Strategy (CEDS)

IDENTIFYING KEY DRIVERS











Key Drivers:

What key drivers do you think are most important for the future of economic development in Littleton?

(Key drivers are events, trends, developments, catalysts or forces that actively influence or cause change.)

Table brainstorm



Key Drivers Handout

What are the most important key drivers shaping the future of economic development in Littleton?

(Key drivers are events, trends, developments, catalysts of forces that actively influence or cause change.)

1

2

Table brainstorm – key drivers

Key Drivers – [list developed in Think-Tank]

- 1. Transportation, Connectivity and Traffic
- 2. Housing Affordability-Full Range
- 3. Natural Resources
- 4. Primary Jobs and Talent
- 5. Infrastructure electrical/grid/fiber
- 6. Aging population
- 7. Building location and zoning
- 8. Small business/entrepreneur
- 9. Diversity of population
- 10. Future community needs and desires

- 11. Supporting businesses / adaptation
- 12. Sales tax revenue
- 13. Cultural fluency
- 14. External Legislation
- 15. Technology trends
- 16. Redevelopment trajectory
- 17. Mental health
- 18. Mass urbanization
- 19. Recreation, entertainment
- 20. Future of work



Key Driver Details

Building an understanding of each driver

Building an understanding of each driver

- 2. Potential impacts on economic development in Littleton over the next decade:
- 3. What is the big 'FUTURE-SPLITTING QUESTION' for this driver?

1. Key emergent high-level trends associated with this driver:

4. Future predictions – How impacts may 'play out' for this driver over the next decade:



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RANKING KEY DRIVERS













Key Drivers – Future Impact Score

Rate each driver on a 1-10 scale of future impact (1 = small impact; 10 = very large impact)

| DRIVER | DRIVER NAME | Community | Economic | | |
|--------|-------------|-----------|-------------|--------------------------------|---|
| | | Fabric | Development | | |
| 1 | | | | | |
| 2 | | | | ·• • • | |
| 3 | | | | the importance ach driver – | |
| 4 | | | | idual scoring | |
| 5 | | | | | , |
| 6 | | | | | |
| 7 | | | | | |



Littleton Comprehensive Economic Development Strategy (CEDS)

THINK-TANK PART 2















Littleton Comprehensive Economic Development Strategy (CEDS)

THINK-TANK WORKSHOPS

Monday, July 17 3:00pm - 6:00pm

Tuesday, July 18 9:00am - 12:00pm

AGENDA

Session 1: Explore Future Trends

Date: Monday, July 17, 2023

Time: 3:00pm - 6:00pm

Location: Bemis Public Library

6014 S. Datura Street Littleton, CO 80120 Session 2: Build Scenarios

Date: Tuesday, July 18, 2023

Time: 9:00am - 12:00pm

Location: Bemis Public Library

6014 S. Datura Street

Littleton, CO 80120