ALLIANCE FOR INNOVATION
TRANSFORMING LOCAL GOVERNMENT

2016 CAMA Annual Conference

June 1, 2016

Winnipeg, CA

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The Future of Local Government

THE NEXT BIG THINGS

WHAT DOES IT MEAN FOR YOUR COMMUNITY?

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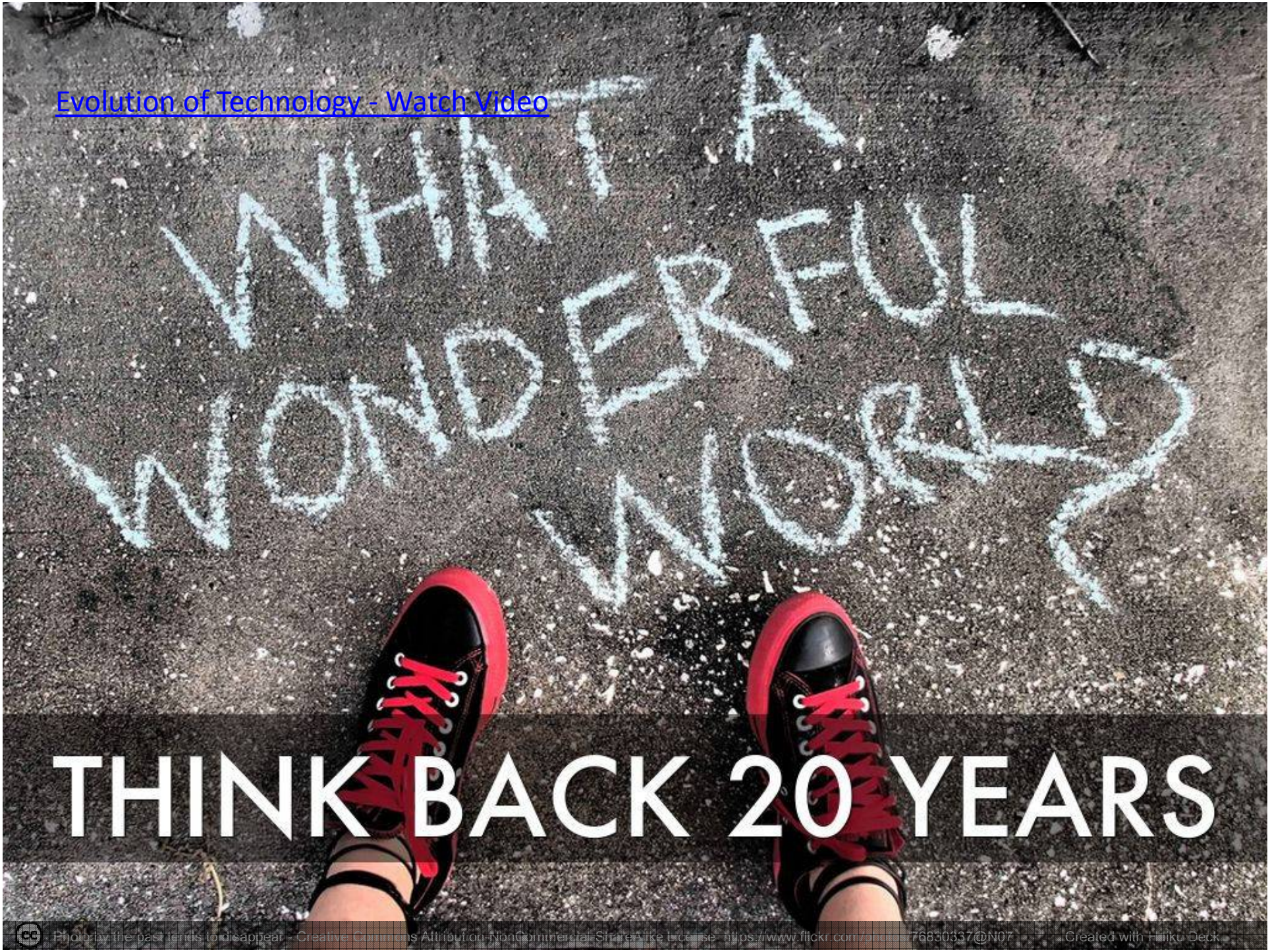
Evolution of Technology - Watch Video
WHAT A WONDERFUL WORLD
THINK BACK 20 YEARS
Photography the past tends to disappear - Creative Commons Attribution-NonCommercial-ShareAlike License https://www.flickr.com/ 76830337@N07
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2016

TODAY LOOKS DIFFERENT

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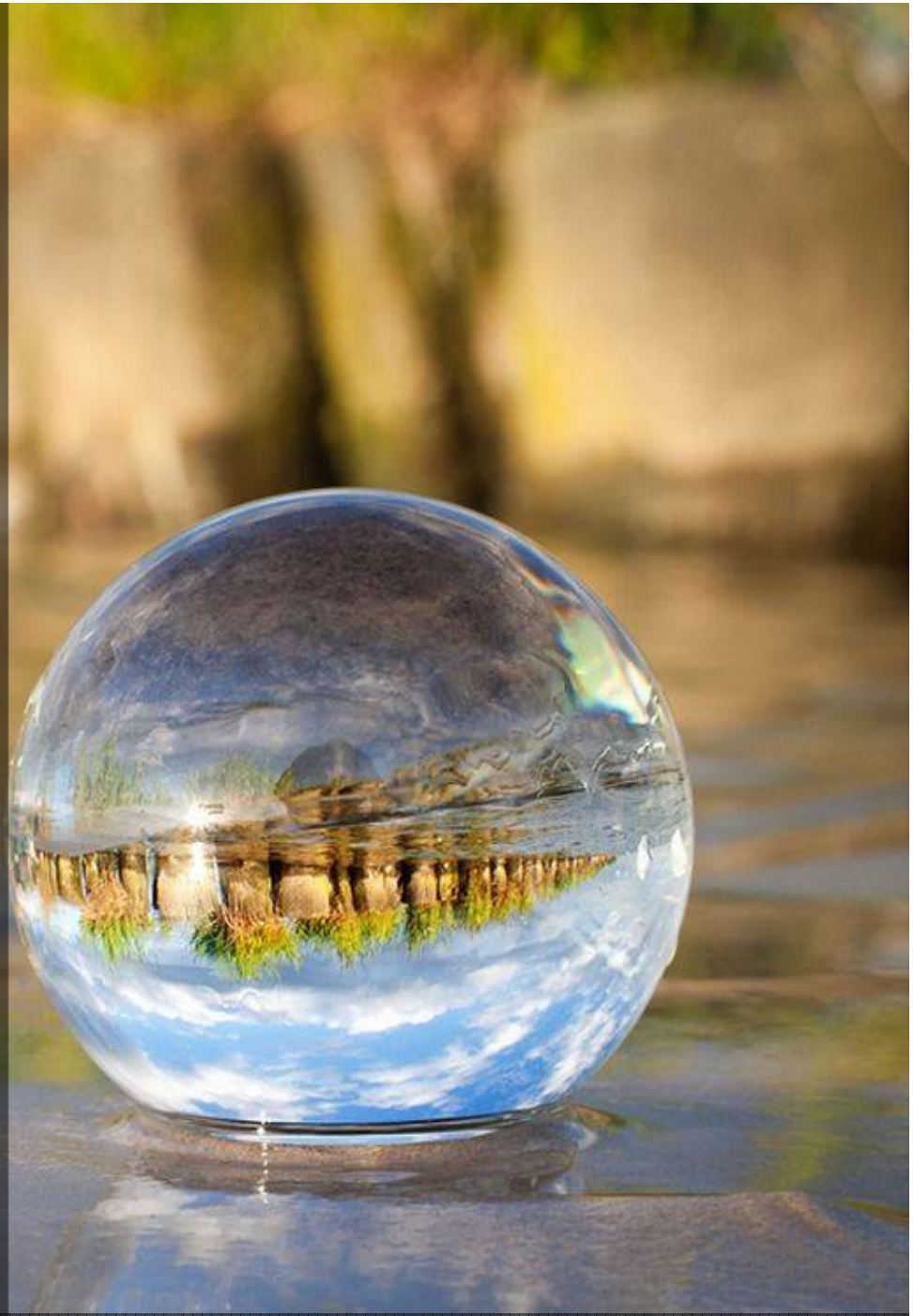
Would you have Predicted Our World Today?



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VISIONING THE FUTURE

- Maximize Potential
- Prepare for Challenges
- Mitigate Disruption and Expense

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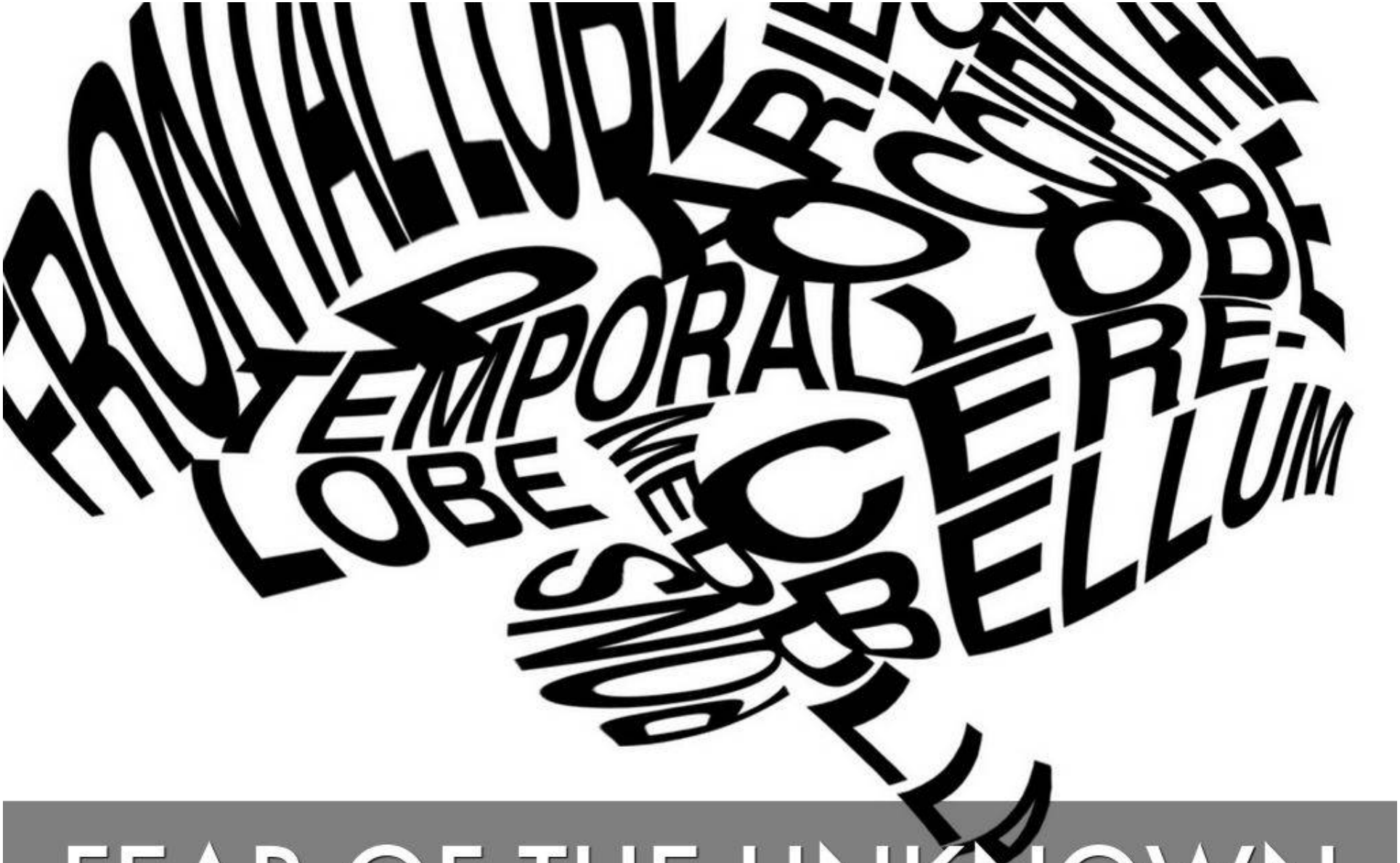

FEAR OF THE UNKNOWN

THE BRAIN

FAST FORWARD

20 YEARS

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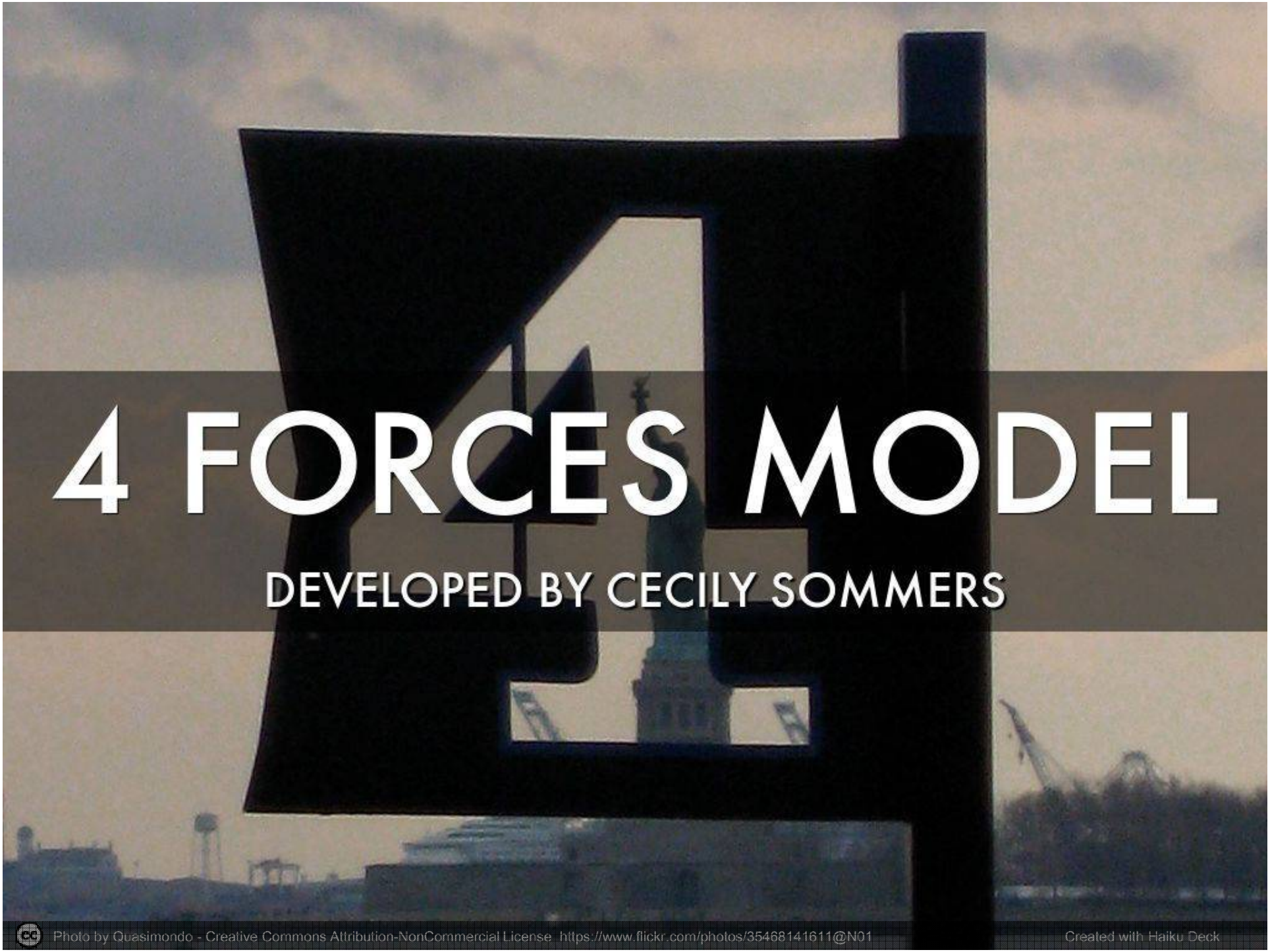

4 FORCES MODEL

DEVELOPED BY CECILY SOMMERS

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4 FORCES

AGENTS OF MEGA CHANGE

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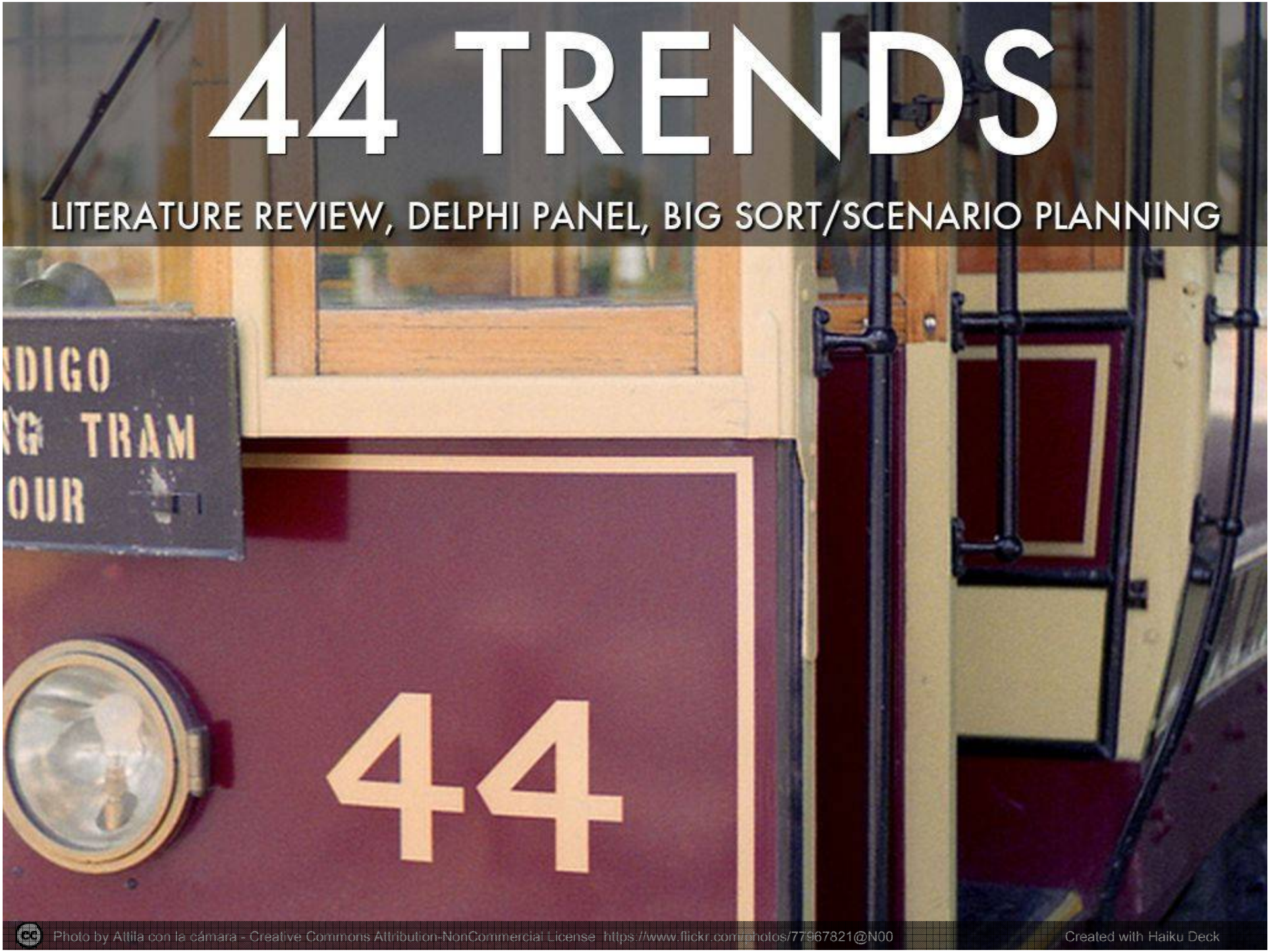
44 TRENDS

LITERATURE REVIEW, DELPHI PANEL, BIG SORT/SCENARIO PLANNING



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RESOURCES

SIX TRENDS

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CLIMATE CHANGE

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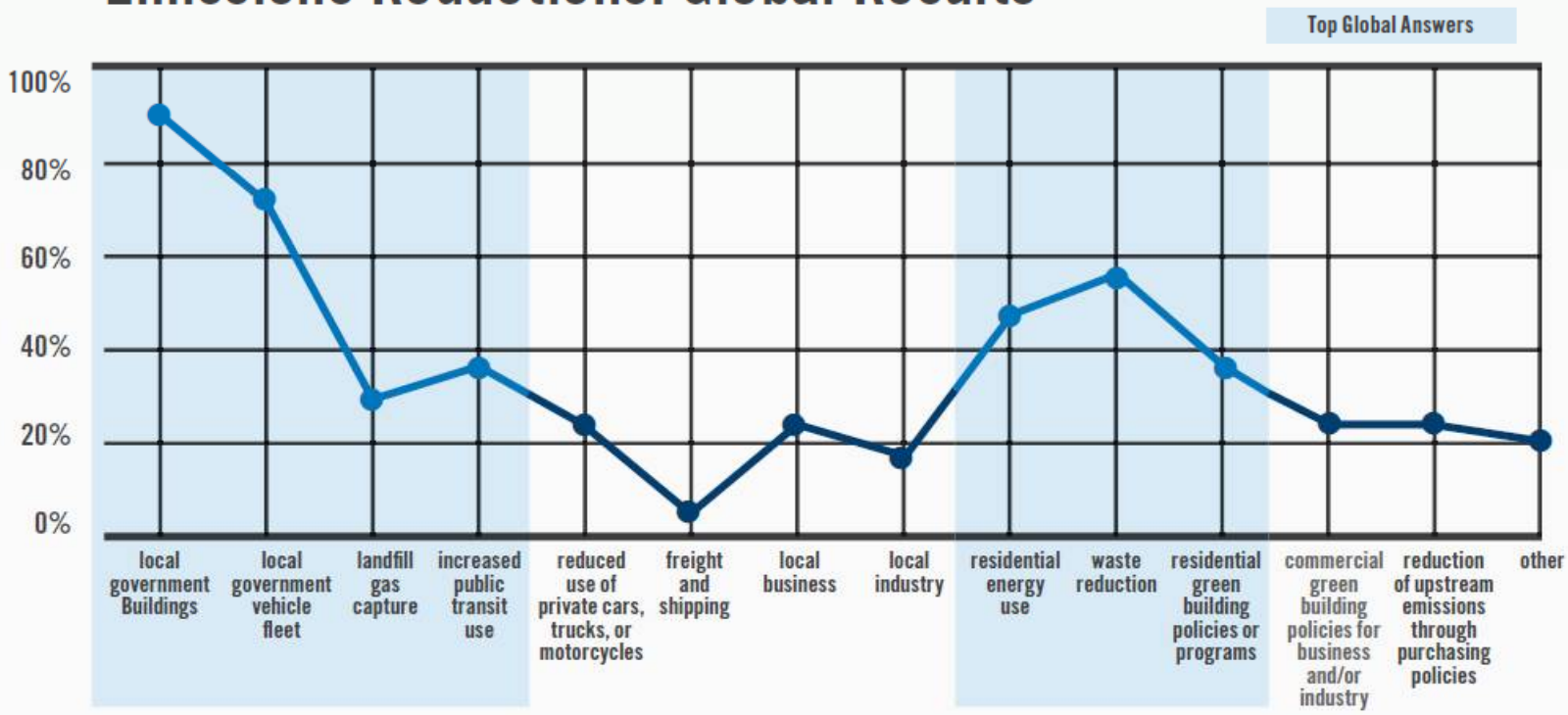
Figure 2. Where Cities Have Made Measurable Emissions Reductions: Global Results



Source: Alexander Aylett, Progress and Challenges in the Urban Governance of Climate Change

WATER SHORTAGES & ACCESS

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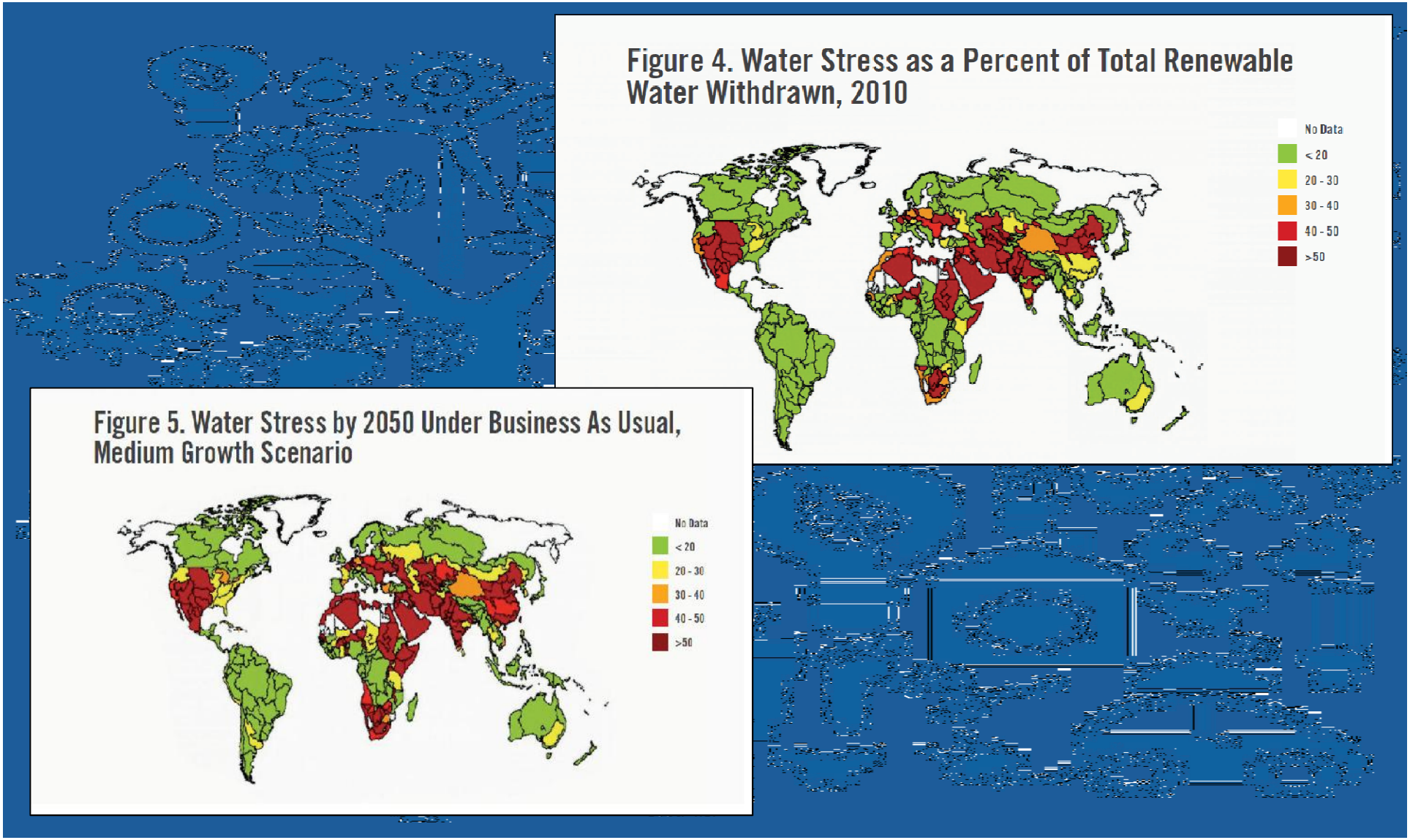

Figure 4. Water Stress as a Percent of Total Renewable Water Withdrawn, 2010

Figure 5. Water Stress by 2050 Under Business As Usual, Medium Growth Scenario

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SHARING ECONOMY

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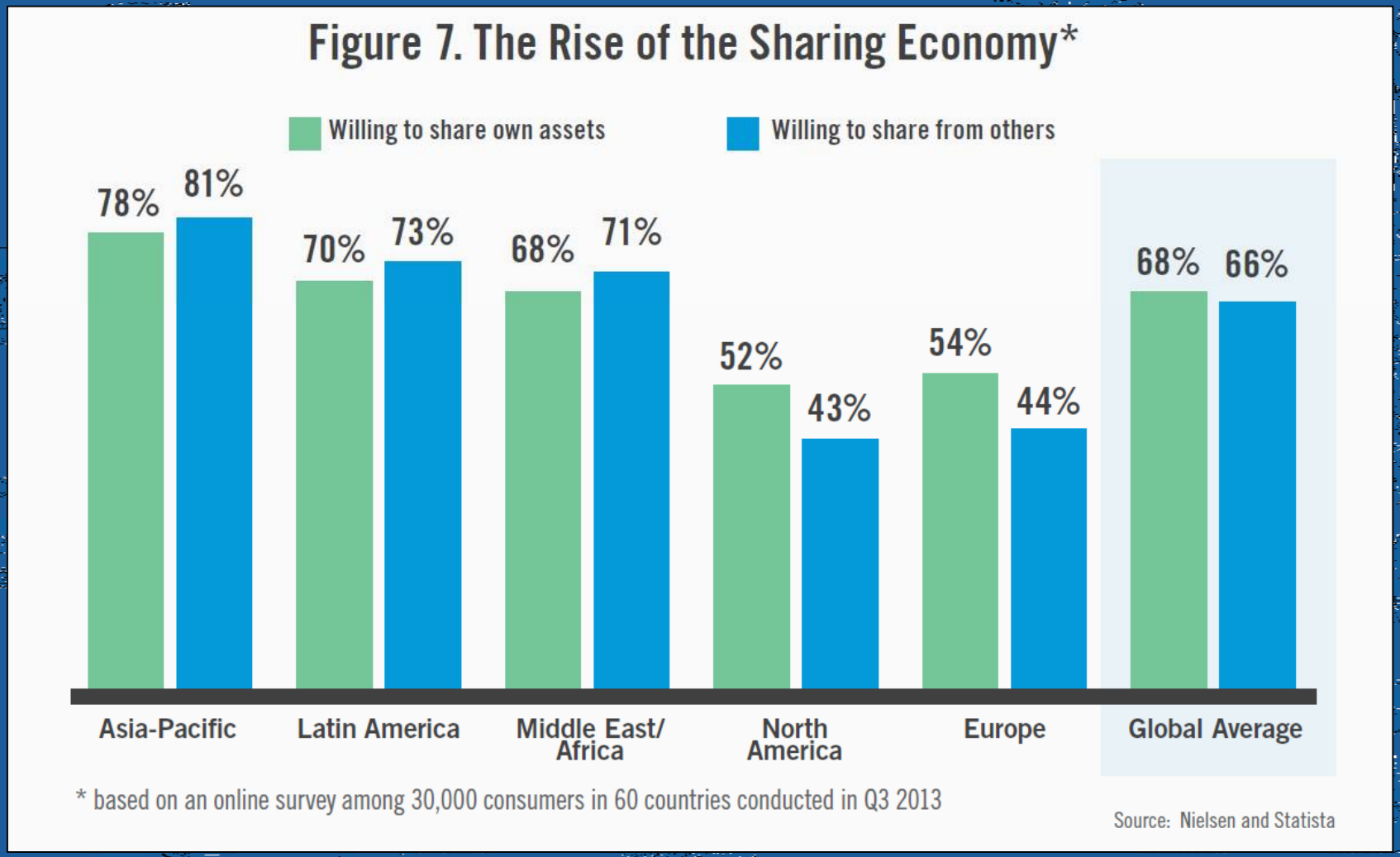

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"Governments will not be able to dictate which technologies are invented, or which go mainstream. Technology will always run ahead of government adoption. But, governments can control how they approach technology and what their goals are."

Erik Johnston
Director, Center for Policy Informatics and Professor
Arizona State University

DEMOGRAPHICS

11 TRENDS

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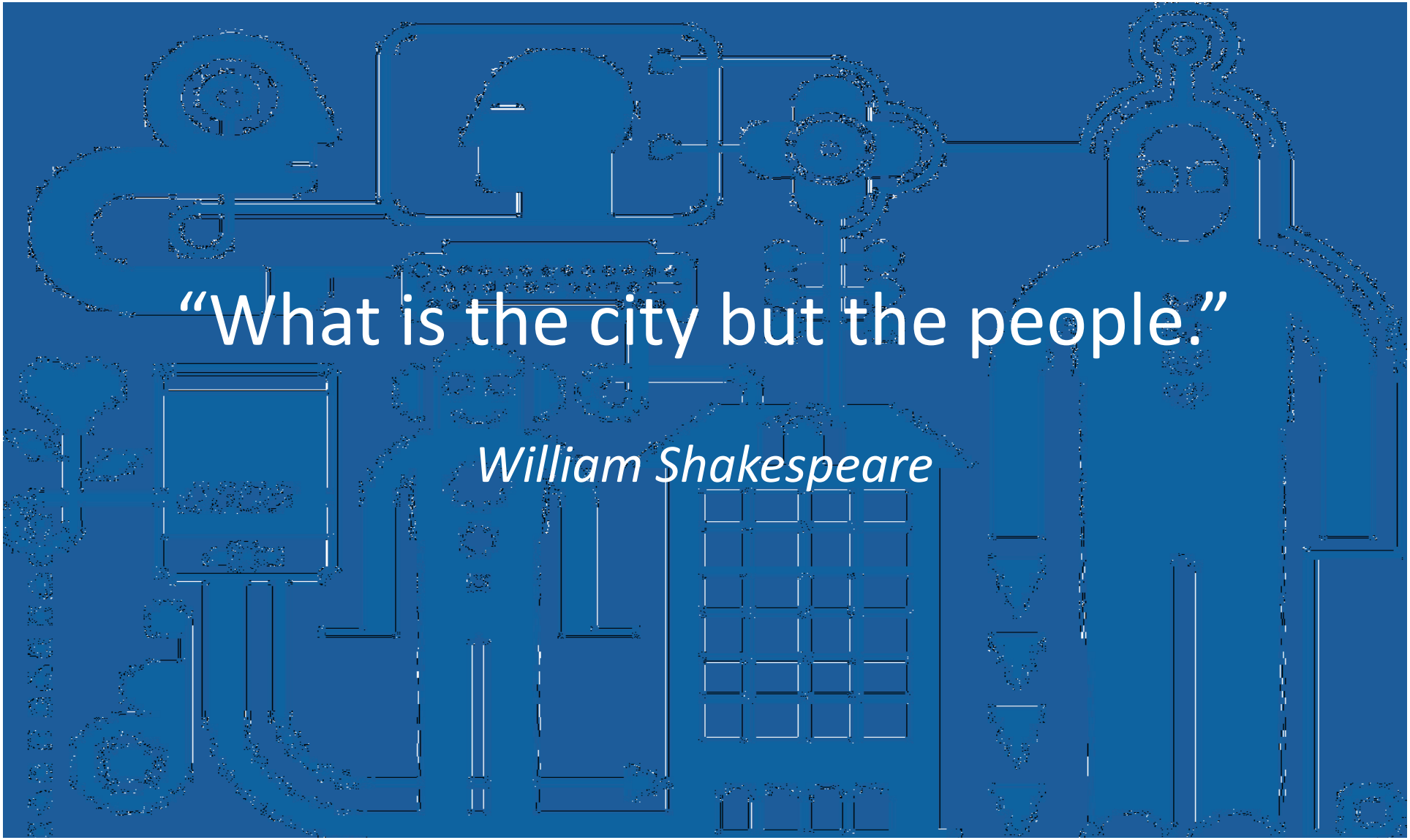
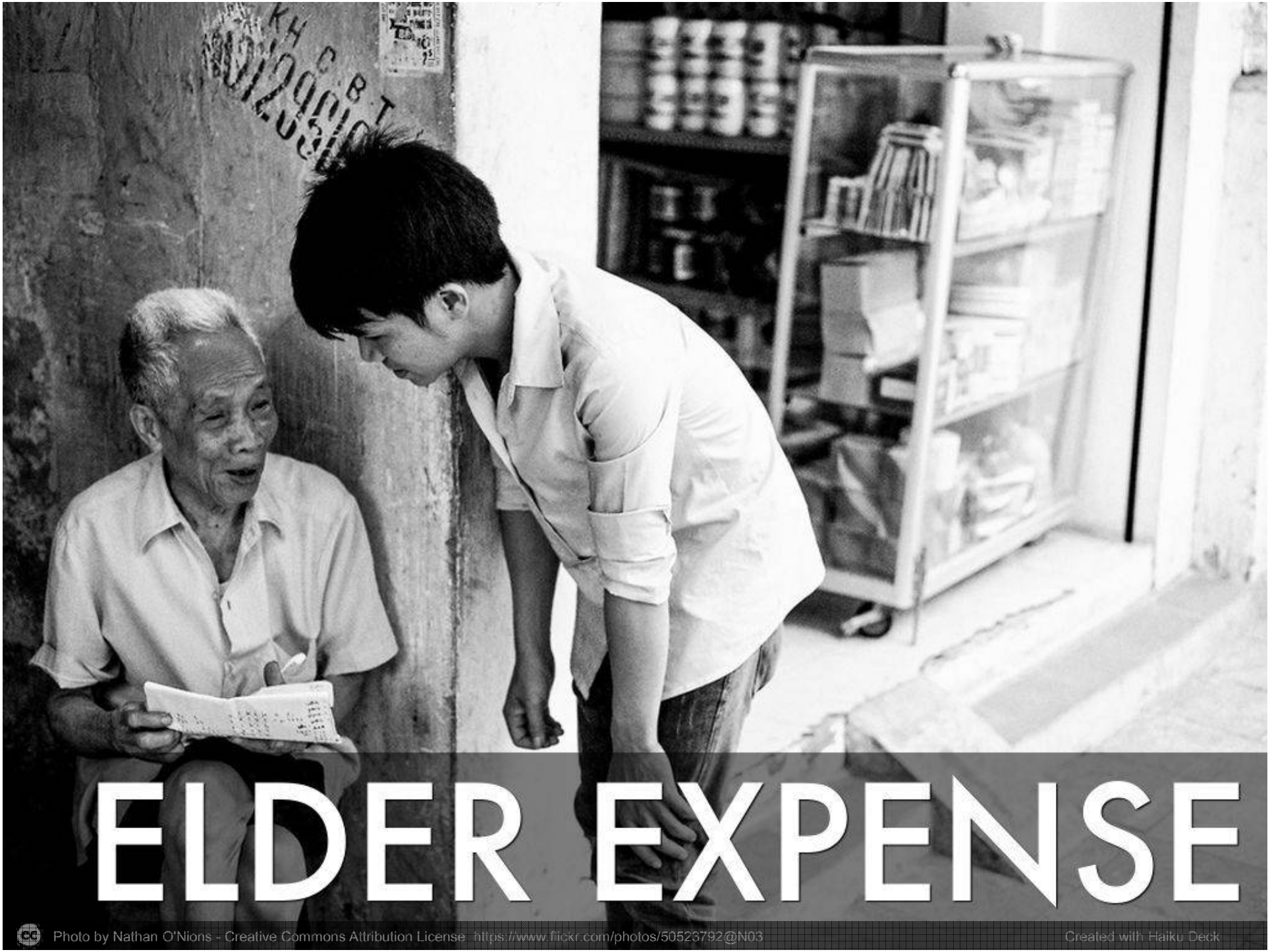


"What is the city but the people."

William Shakespeare



ELDER EXPENSE

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Figure 11. Population Aged 60 or Over

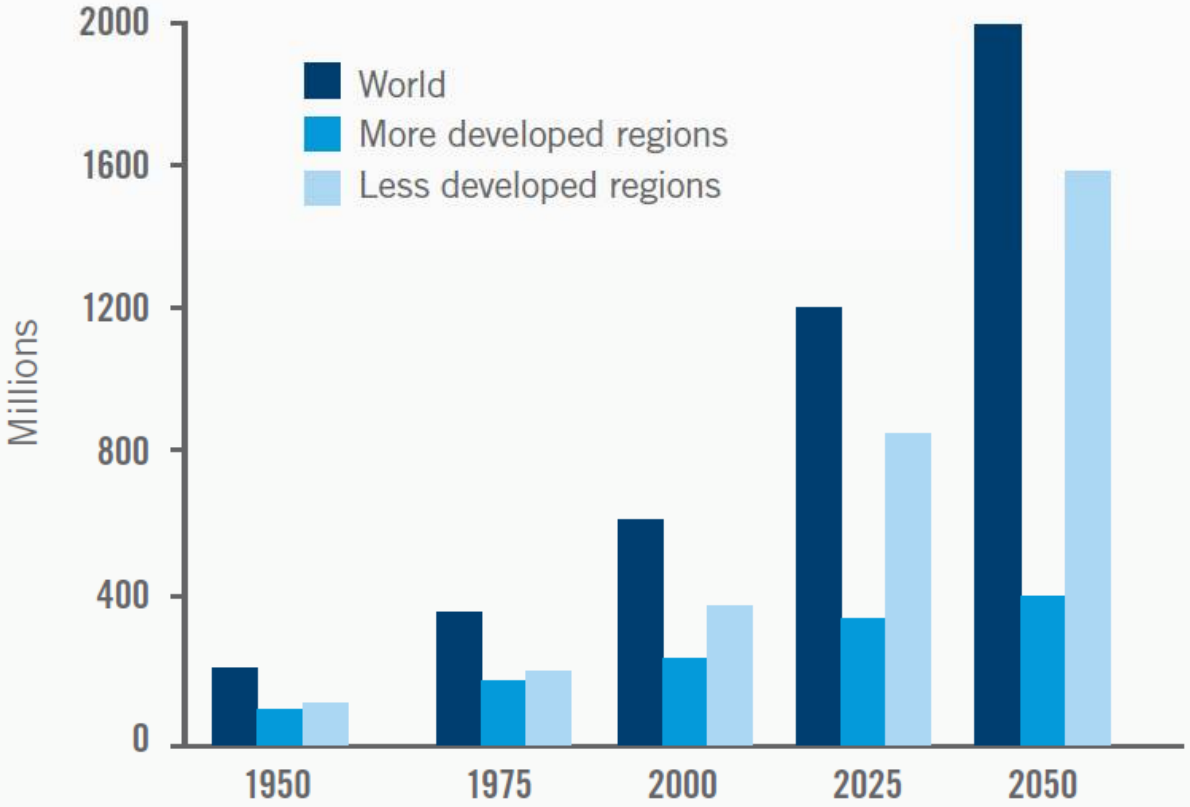

Figure 11: Source: United Nation, World Population Ageing 1950-2050

POTENTIAL SUPPORT RATIO

14:1 9:1 4:1 BY 2050

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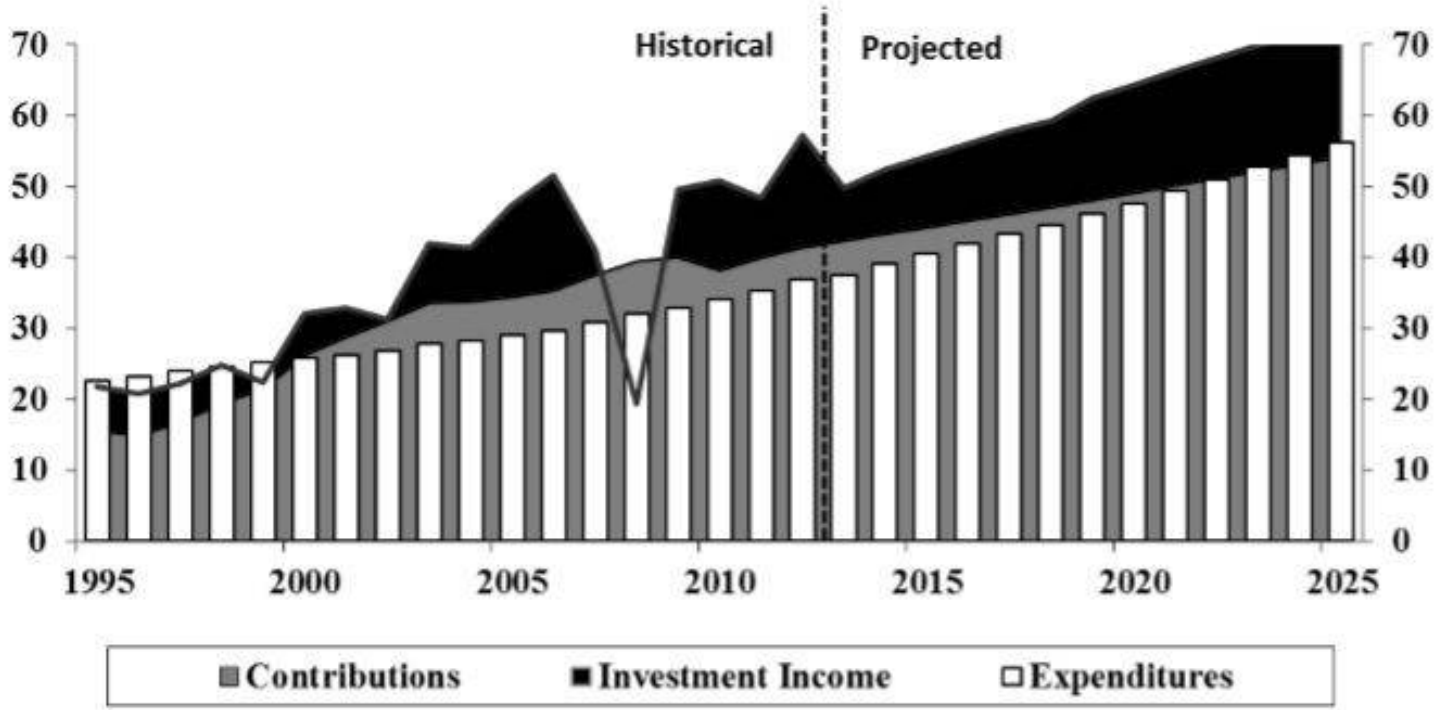
Chart 1 shows historical and projected revenues and expenditures for the period 1995 to 2025.

Chart 1 Revenues and Expenditures
(billions of 2013 constant dollars)



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www.transformgov.org – Look Under Research

GOVERNANCE

8 TRENDS

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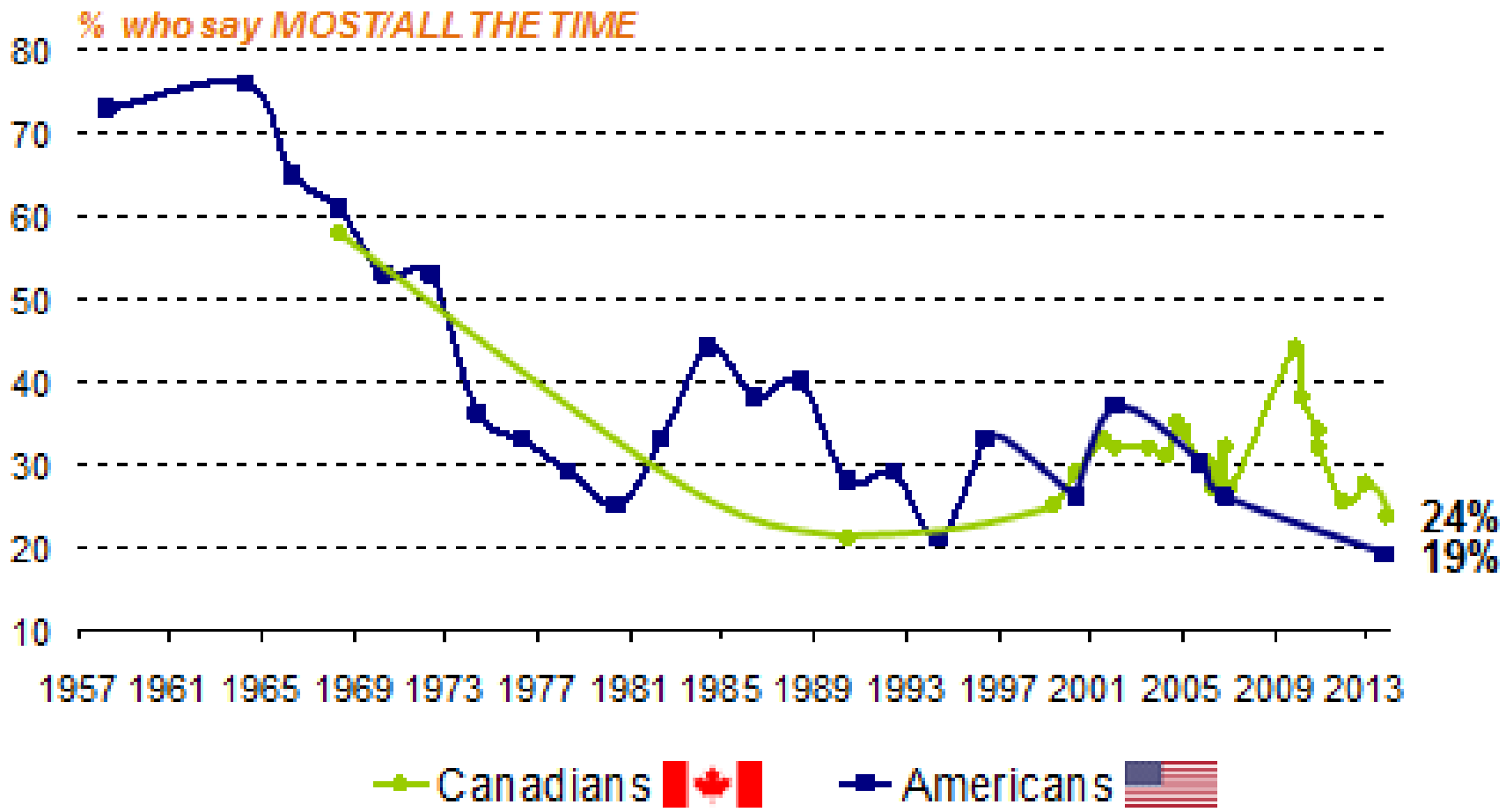
TRUST IN GOVERNMENT

Trust in government

Q. How much do you trust the government in Ottawa/Washington to do what is right?



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BASE: Canadians; most recent data point October 26-29, 2013 (n=1,377)

Credit: ***Frank Graves for Canada 2020***

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POLITICAL TRUST

***

Transcends partisanship; it "happens when citizen appraise the government and its institutions, policy-making in general and/or the individual political leaders as promise-keeping, efficient, fair and honest." Political trust depends on legitimate policy-making.

SOCIAL TRUST

***

Refers to citizens' confidence in each other. Communities with greater social trust have more cohesion and are more resilient.

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Figure 17. How Leaders In Any Domain Can Approach Complexity, Volatility, Ambiguity And Uncertainty

HOW WELL CAN YOU PREDICT THE RESULTS OF YOUR ACTIONS? (+ / −)

complexity

Characteristics: The situation has many interconnected parts and variables. Some information is available or can be predicted, but the volume or nature of it can be overwhelming to process.

Example: You are doing business in many countries, all with unique refulatory evvironments, tariffs, and cultural values.

Approach: Restructure, bring on or develop specialists, and build up resources adequate to address the complexity.

volatility

Characteristics: The challenge is unexpected or unstable and may be of unknown duration, but it's not necessarily hard to understand; knowledge about it is often available.

Example: Prices fluctuate after a natural disaster takes a supplier off-line.

Approach: Build in slack and devote resources to preparedness– for instance, stockpile inventory or overbuy talent. These steps are typically expensive; your investment should match the risk.

ambiguity

Characteristics: Casual relationships are completely unclear. No precedents exist; you face "unknown unknowns."

Example: You decide to move into immature or emerging markets or to launch products outside your core competencies

Approach: Experiement. Understanding cause and effect requires generating hypothesis and testing them. Design your experiments so that lessons learned can be broadly applied.

uncertainty

Characteristics: Despite a lack of other information, the event's basic cause and effect are unknown. Change is possible but not a given

Example: A competitor's pending product launch muddies the future of the business and the market.

Approach: Invest in information - collect, interpret, and share it. This works best in conjunction with structural changes, such as adding information analysis networks, that can reduce ongoing uncertainty.

HOW MUCH DO YOU KNOW ABOUT THE SITUATION? (− / +)

READY TO ACT?

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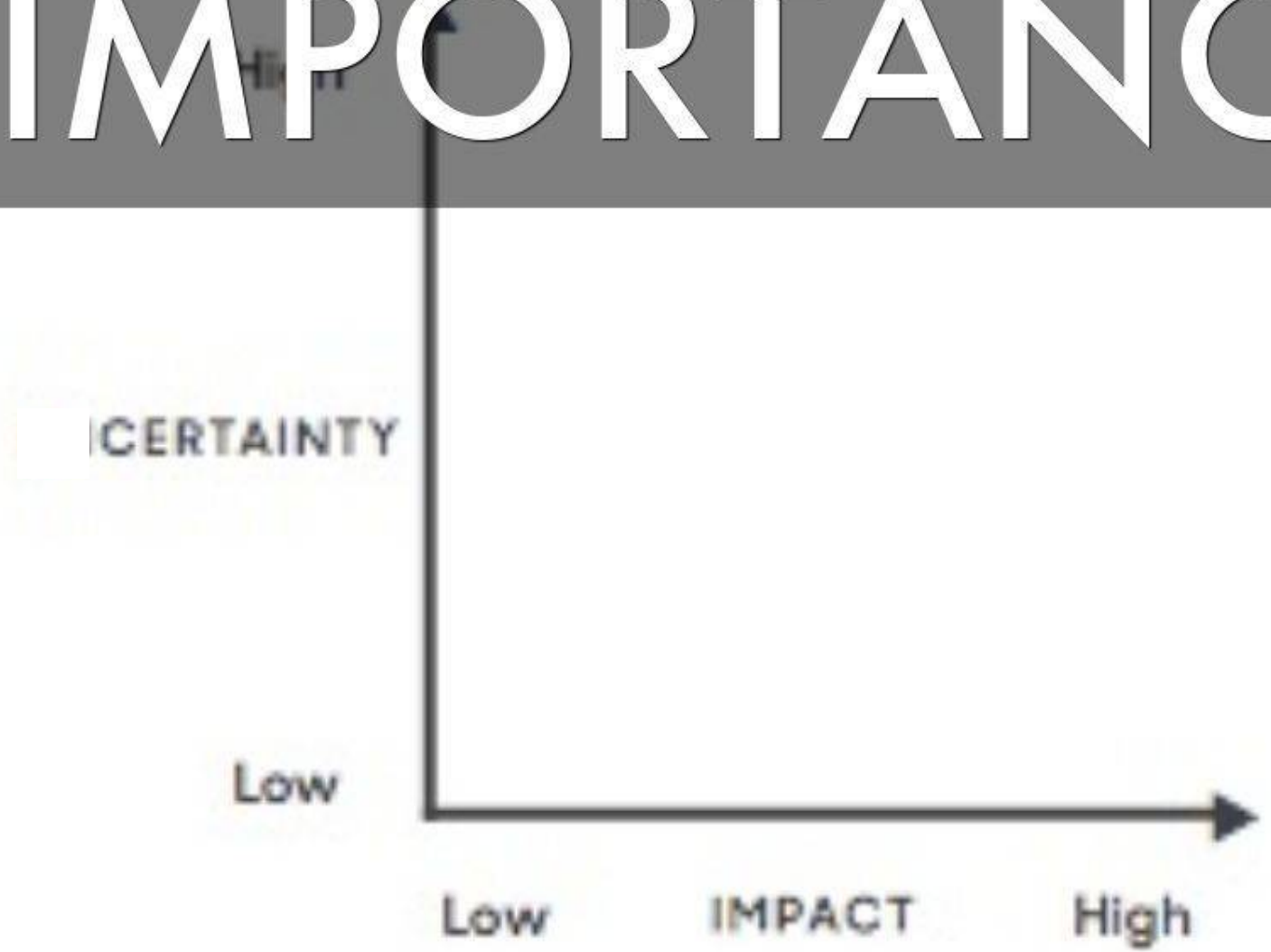
IMPORTANCE



CARD DECK

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Brainstorm Activity

What forces are the most likely to impact your community? Today think regionally……

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What are we hearing?

High Impact-High Certainty

- Artificial intelligence
- Robotics
- Failure to sustain and grow infrastructure
- Changed relationship between government and people
- Access, affordability and healthy behaviors
- Climate Change
- Federal and state government (financial failure)
- Disasters
- How government uses technology
- Greater income disparity/increased poverty
- Loss of media integrity as trusted unbiased source
- Allocation of resources
- Breakdown of government systems/processes
- Aging Baby Boomers will impact communities
- Well financed interest and the super rich will drive policy
- Polarization between tribes hurts community
- Unhealthy populations and cost of elderly increase cost
- Work-life proximity increases and leads to greater density
- More data does not equal understanding
- Demographic imbalance

INVOLVE OTHERS

CONVENE A GROUP OF PEOPLE INTERESTED FUTURE

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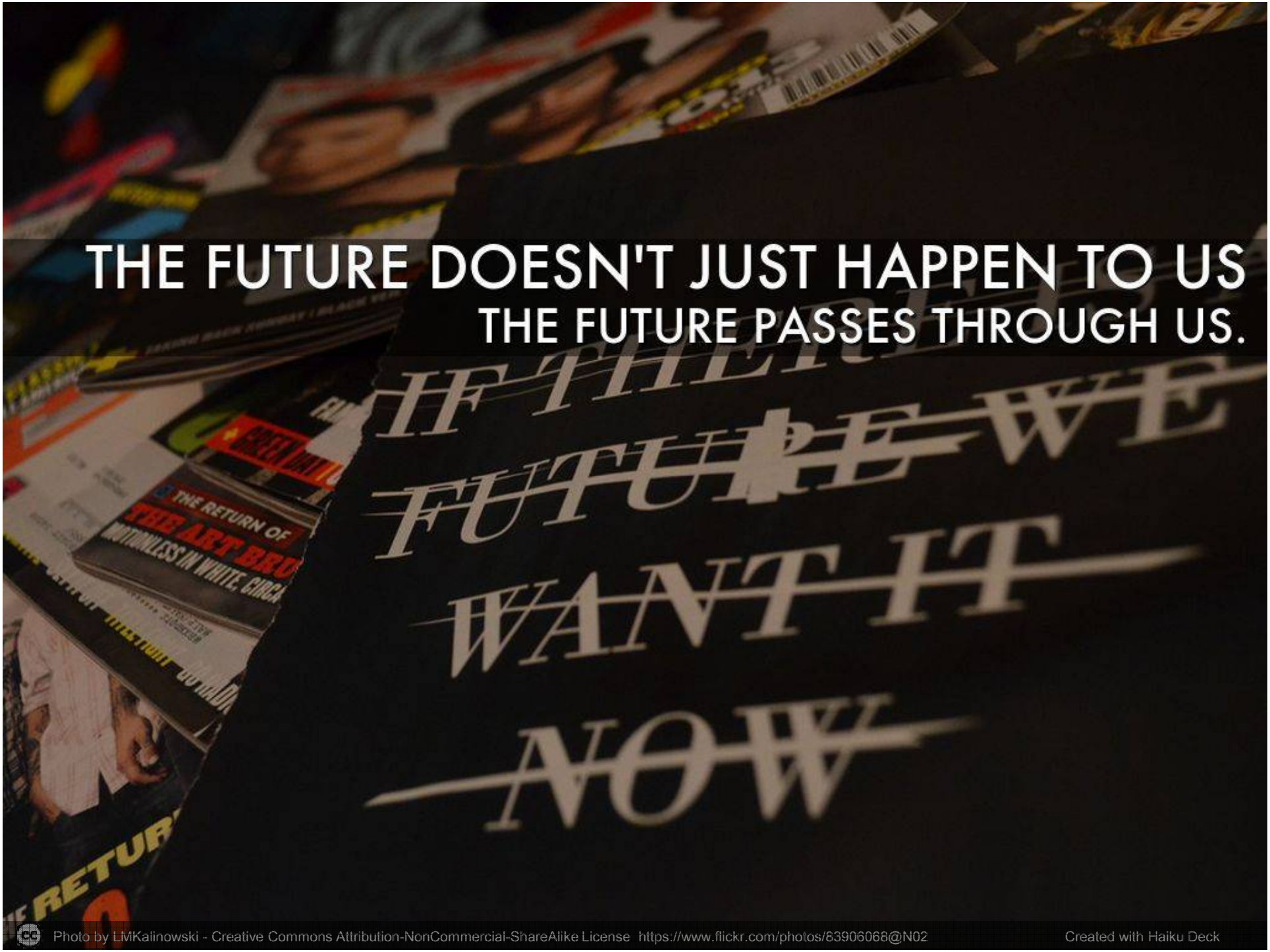

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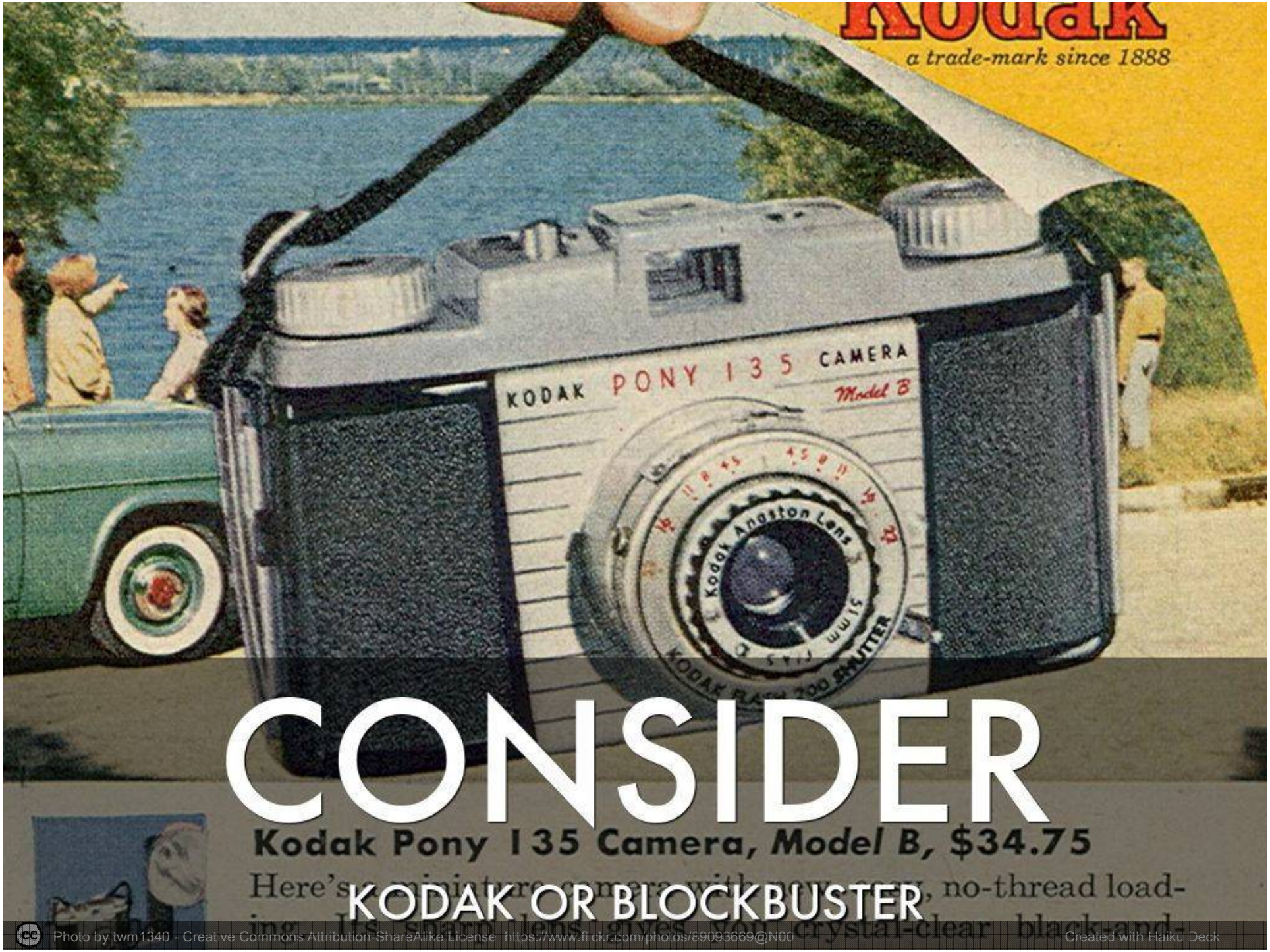

CONSIDER

Kodak Pony 135 Camera, *Model B*, $34.75

Here's a miniature camera with many easy, no-thread load-

KODAK OR BLOCKBUSTER

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- Download NBT
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- Basic, Intermediate and Transformative Solutions
- Join NBT Community

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"We can be the audience and watch the world unfold, we can be the actors playing roles that have been assigned to us, or we can be the authors and help write the future narrative."

-Madeline Albright
Former Secretary of State

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Thank you!