

DO MORE

REFRAME

**BE CREATIVE
& CRITICAL**

EAT VEGGIES

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CLIMATE CHANGE HUB | DISASTER RESEARCH CENTER

BIDEN SCHOOL | GEOGRAPHY

SIDERSADAPTS.COM

**A COLLECTION OF MIXED
METAPHORS**

challenge

*write a haiku or limerick about the future New
Jersey you'd like to see*

@sidersadapts

whova community (Vision Haikus)



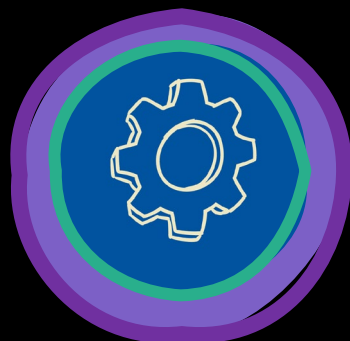
DO MORE



REFRAME



BE CREATIVE & AMBITIOUS



EAT VEGGIES



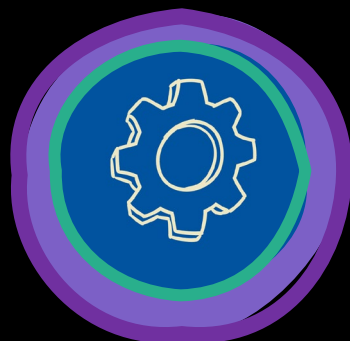
**DO MORE – *MORE & MORE*
TRANSFORMATIVE**



REFRAME



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EAT VEGGIES



Optimist



Pessimist



Realist



Physicist



Surrealist



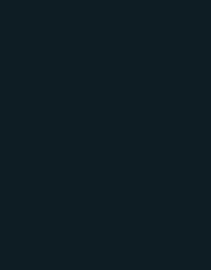
Relativist



Utopist



Scepticist



Nihilist

VIA 9GAG.COM



DO MORE

**“TODAY’S GLOBAL COASTAL
ADAPTATION IS HALFWAY TO
THE FULL ADAPTATION
POTENTIAL”**

- MAGNAN ET AL. 2023

KEY MESSAGE 1

Adaptation Is Occurring but Is Insufficient in Relation to the Pace of Climate Change

Diverse adaptation activities are occurring across the US (*very high confidence*). Adaptation activities are increasingly moving from awareness and assessment toward planning and implementation (*medium confidence*), with limited advancement toward monitoring and evaluation (*high confidence*). Numerous social, economic, physical, and psychological barriers are preventing more widespread adoption and implementation of adaptation (*high confidence*). Current adaptation efforts and investments are insufficient to reduce today's climate-related risks (*high confidence*) and are unlikely to keep pace with future changes in the climate (*medium confidence*).

KEY MESSAGE 2

Effective Adaptation Requires Centering Equity

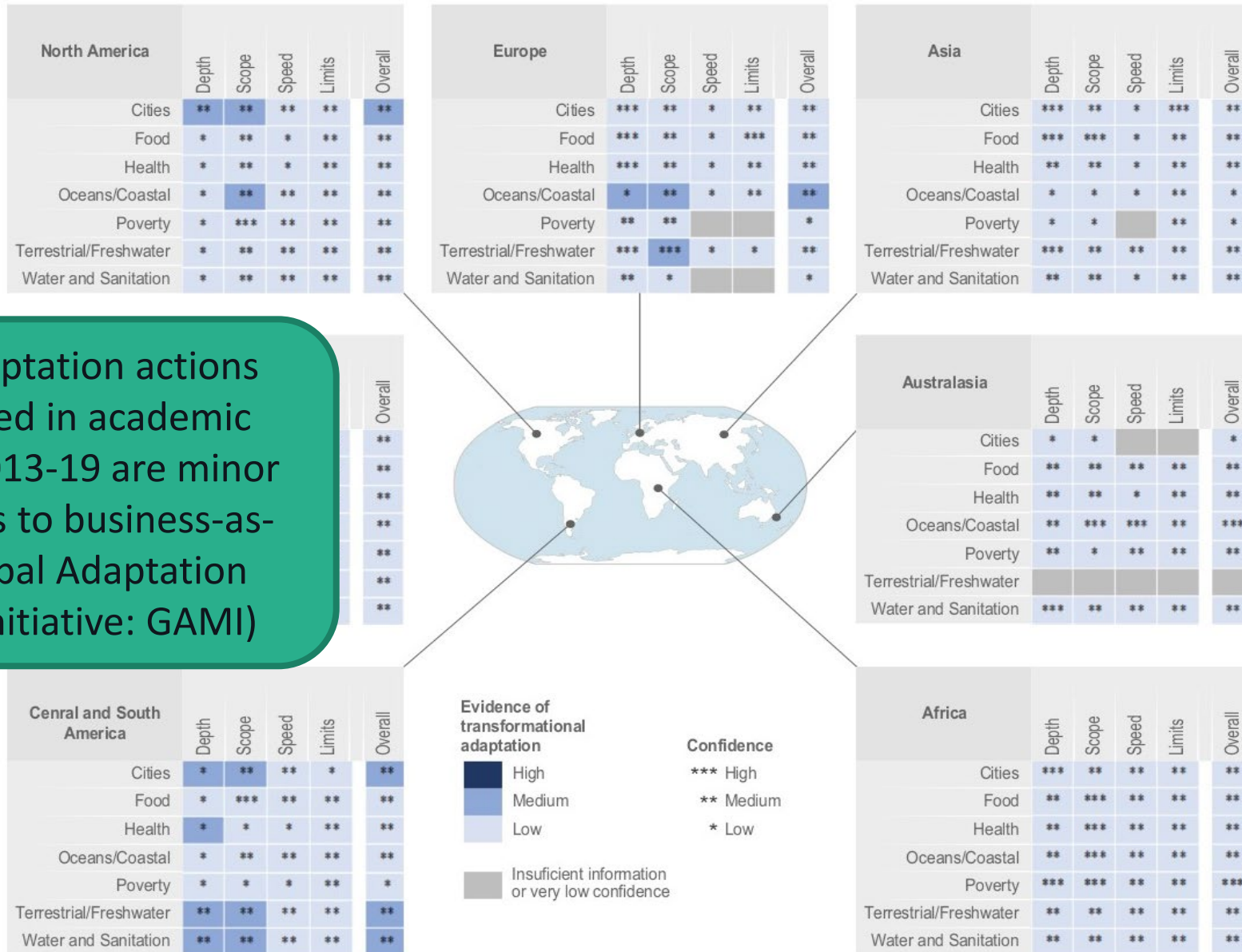
People and communities are affected by climate change in different ways (*very high confidence*). How people and institutions adapt depends on social factors, including individual and community preferences, capacity, and access to resources (*very high confidence*). Adaptation processes, decisions (about whether, where, and how adaptation occurs), and actions that do not explicitly address the uneven distribution of climate harms, and the social processes and injustices underlying these disparities, can exacerbate social inequities and increase exposure to climate harms (*high confidence*).

KEY MESSAGE 3

Transformative Adaptation Will Be Needed to Adequately Address Climate-Related Risks

Climate adaptation actions undertaken in the United States to date have generally been small in scale and incremental in approach, involving minor changes to business as usual (*very high confidence*). Transformative adaptation, which involves more fundamental shifts in systems, values, and practices, will be necessary in many cases to adequately address the risks of current and future climate change (*high confidence*). New monitoring and evaluation methods will also be needed to assess the effectiveness and sufficiency of adaptation and to address equity (*high confidence*).

Evidence of transformative adaptation by sector and region



70% of adaptation actions documented in academic literature 2013-19 are minor adjustments to business-as-usual (Global Adaptation Mapping Initiative: GAMI)

Figure 16.6 | Evidence of transformative adaptation by sector and region. Evidence of transformational adaptation does not imply effectiveness, equity or adequacy. Evidence of transformative adaptation is assessed based on the scope, speed, depth and ability to challenge limits of responses reported in the scientific literature (see Supplementary Material for methods). Studies relevant to multiple regions or sectors are included in assessment for each relevant sector/region.



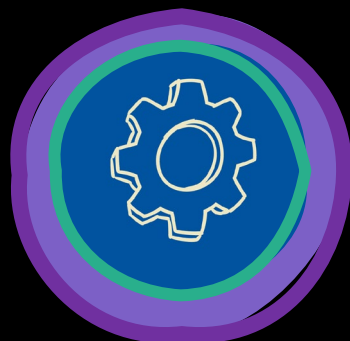
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Why Reframe?

“A study by Paul Nutt of Ohio State University, for example, looked at 350 decision-making processes at medium to large companies and found that **more than half failed to achieve desired results**, often because ...insufficient attention to examining problems from all angles and exploring their complexities. **By jumping immediately into problem-solving, teams limit their ability to design innovative and durable solutions.**”

– Binder & Watkins, 2024

Decision Making And Problem Solving

To Solve a Tough Problem, Reframe It

Five steps to ensure that you don't jump to solutions by Julia Binder
and Michael D. Watkins

From the Magazine (January–February 2024)



If you change the
way you look at things,
the things you look at
change.

-Wayne Dyer

The way you think about adaptation
changes ...

- what problem you try to solve
- what solutions you imagine
- what barriers you see & are able to
overcome

see Clifford et al. 2022

Reframing Strategies:

Reverse the problem (new question)

Challenge or flip assumptions (comparison points; context)

Zoom in or out (scale)

Change perspective (other POV)

Use metaphors

See, e.g., Benammar, *Reframing: The Art of Thinking Differently*



REFRAME #1 – ARE YOU ASKING A USEFUL QUESTION? ARE YOU SOLVING THE RIGHT PROBLEM?



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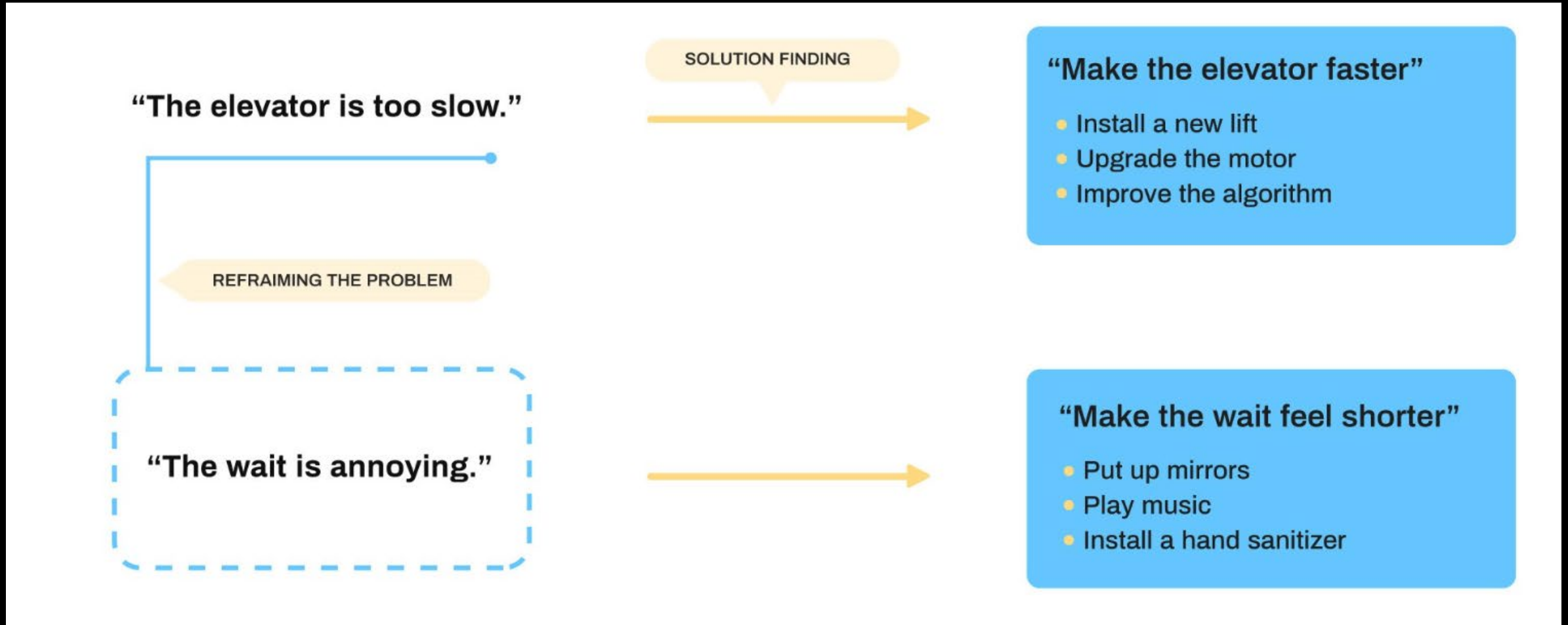
Decision Making And Problem Solving

Are You Solving the Right Problems?

Reframing them can reveal unexpected solutions. by Thomas Wedell-
Wedellsborg

From the Magazine (January–February 2017)

REFRAME #1 – ARE YOU ASKING A USEFUL QUESTION? ARE YOU SOLVING THE RIGHT PROBLEM?



REFRAME #1 – ARE YOU ASKING A USEFUL QUESTION? ARE YOU SOLVING THE RIGHT PROBLEM?

“We’re losing property tax revenue”

REFRAMING THE PROBLEM

“We need a sustainable source of revenue” OR
“We need to reduce costs to match revenue”

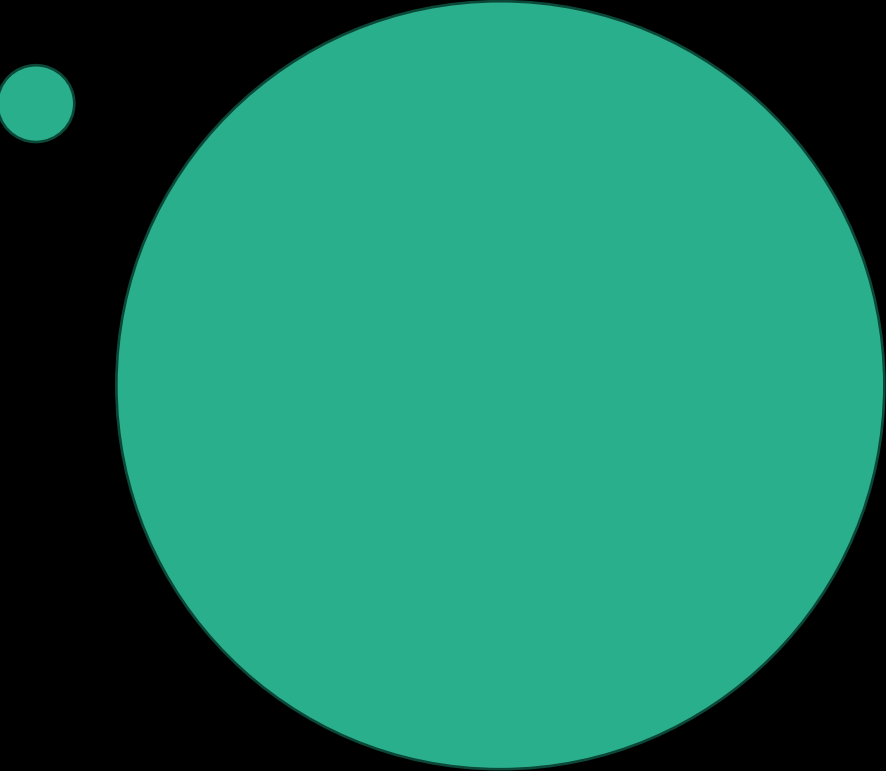
SOLUTION FINDING

Increase taxable property value

- More buildings
- More expensive buildings

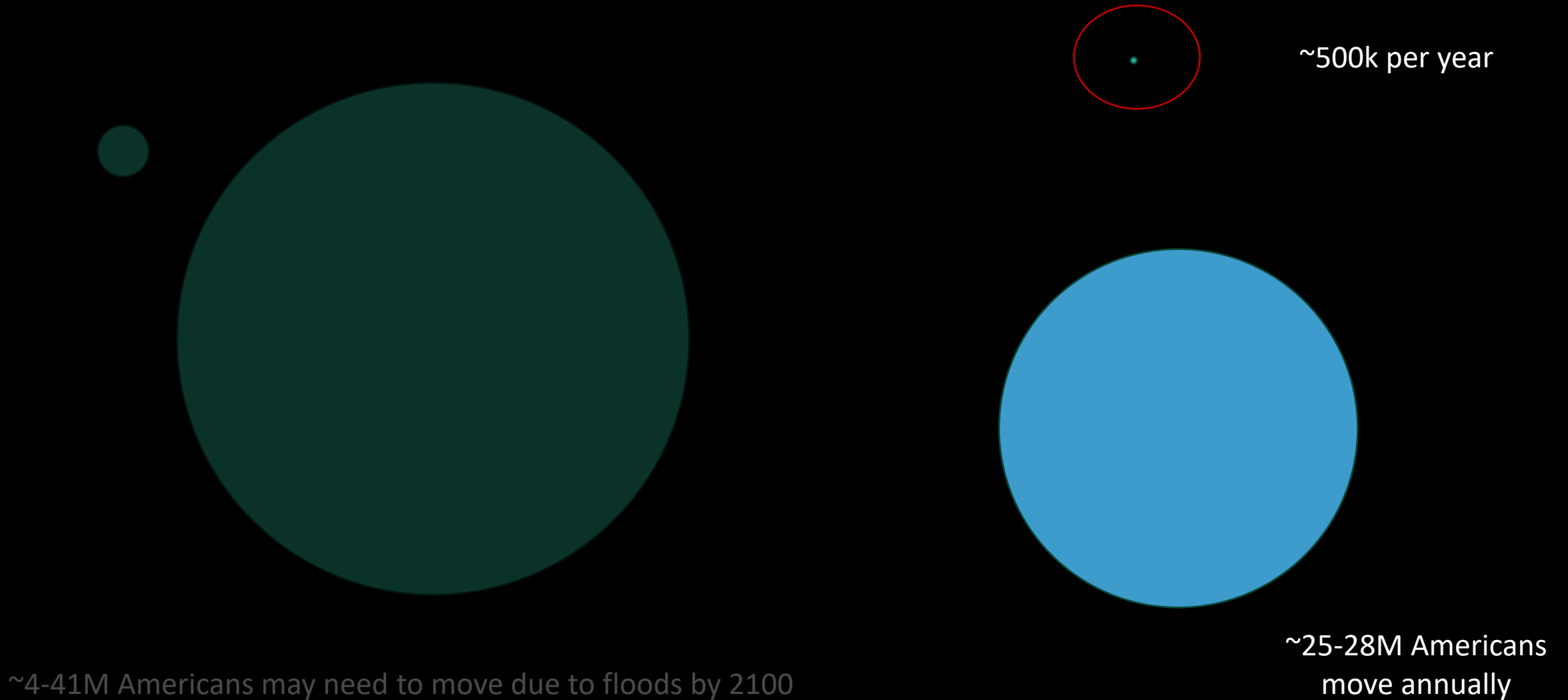
- Corporate, Income, Use & Sales Taxes
- Impact fees; Developer fees
- Consolidation
- Service restrictions

REFRAME #2 – PUT OPTIONS & DATA INTO CONTEXT

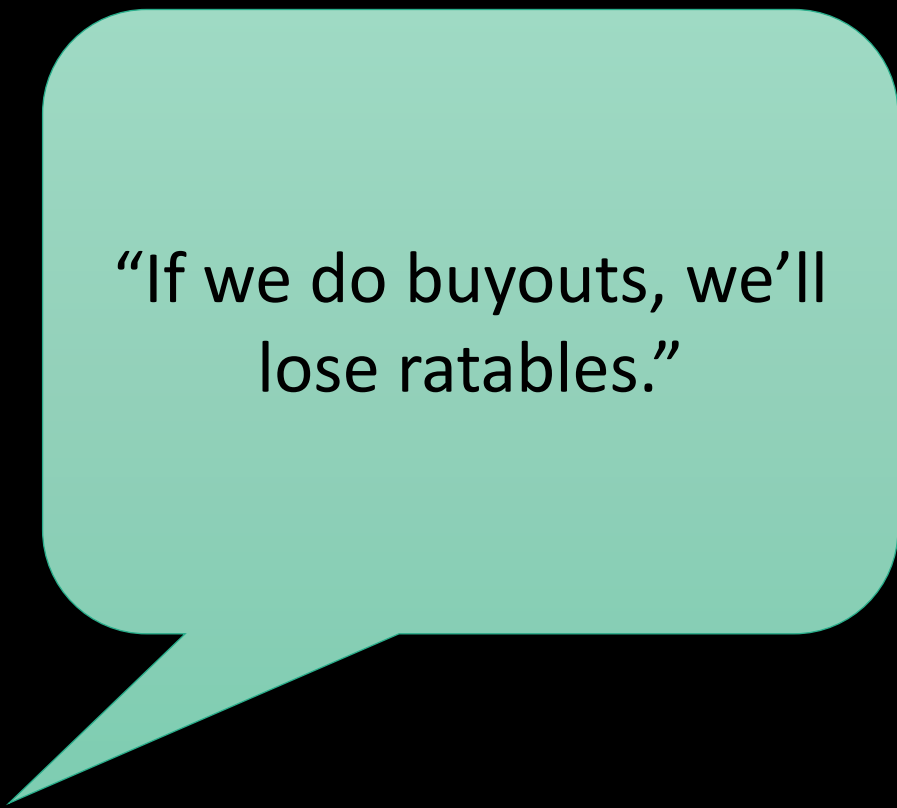


~4-41M Americans may need to move due to floods by 2100

REFRAME #2 – PUT OPTIONS & DATA INTO CONTEXT



REFRAME #2 – PUT OPTIONS & DATA INTO CONTEXT



“If we do buyouts, we’ll
lose ratables.”

REFRAME #2 – PUT OPTIONS & DATA INTO CONTEXT

“If we do buyouts, we’ll lose ~~ratables~~ less than 1% of our town property tax revenue.”

Topsail NJ: If 80 homes bought out, lose \$171k property tax – 0.25% of county tax revenue

- WCU Rodanthe Buyout Study 2019

Woodbridge

~200 homes bought out 2013-2023

Average home value ~\$413k

= loss ~\$2.1M -> 1% of town property tax

+ 386 new home permits in 2016 (*NJ.com News*)

+ 132 new homes worth \$101M in 2019 (*App News*)

= gain ~\$6.8M -> 1.8% of town property tax

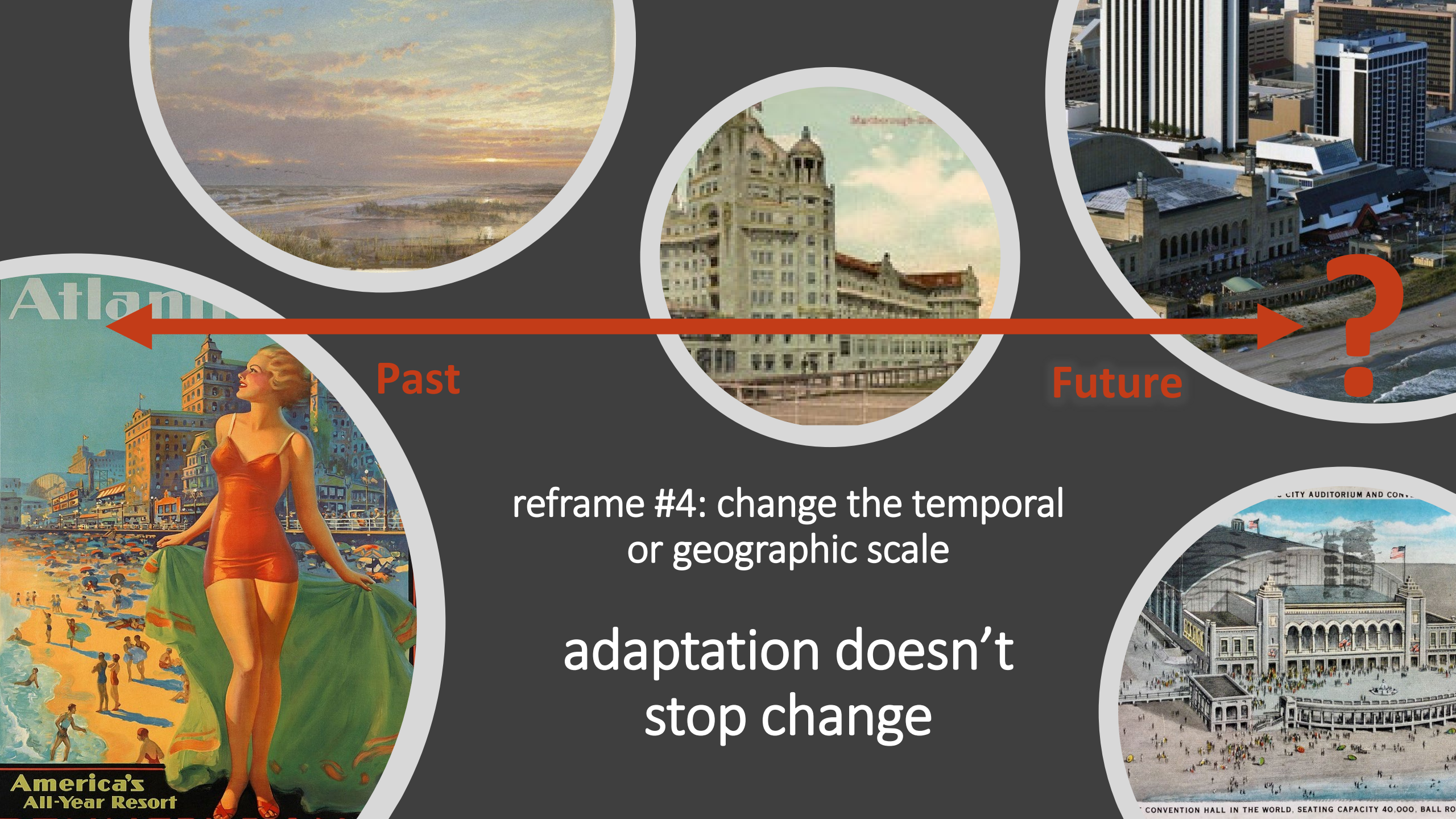
Reframe #3: Include Many Perspectives | Experiences | Needs | Values

...“women bring a different life experience to the table. **All of our differences make the conference better.** That I’m a woman, that’s part of it, that I’m Jewish, that’s part of it, that I grew up in Brooklyn, N.Y., and I went to summer camp in the Adirondacks, all these things are part of me.”

- **RBG**

quoted in Bazelon, 2009 NYT





— THE SECRET OF —
CHANGE
..... *is to*
FOCUS
ALL OF YOUR ENERGY
— *not on fighting* —
THE OLD
..... but on
building
THE NEW

Millman, 1980

Resist – Accept – Direct

(Schuurman et al. 2020)

What do we preserve?

What do we allow to change?

What do we purposefully change?



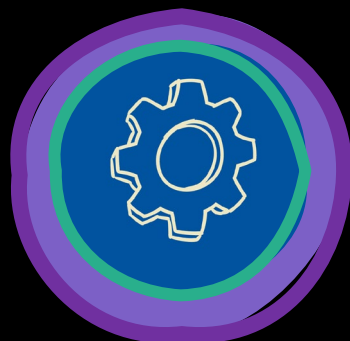
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REFRAME

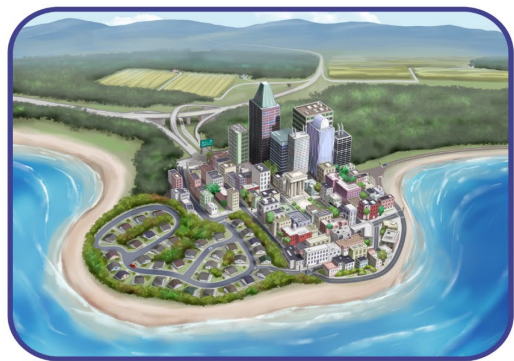


BE CREATIVE & AMBITIOUS



EAT VEGGIES

How are those haikus going?



Present

TOOLS



Walled



Resist



Accommodate



Avoid



Retreat



Advance

GOALS



Economic Security



Disaster Risk Reduction



Social Cohesion (justice, culture)



Environment (livelihoods, nature)

Inform

TOOLS



Resist



Accommodate



Avoid



Retreat



Advance

Walled



Elevated



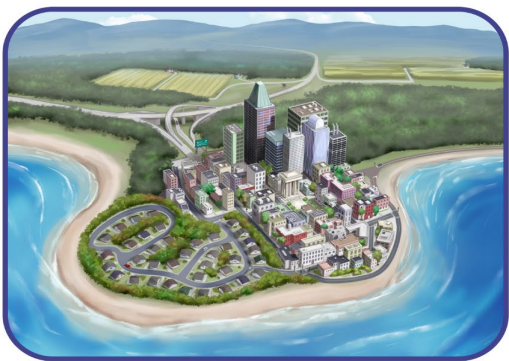
Hybrid



Living with



Present



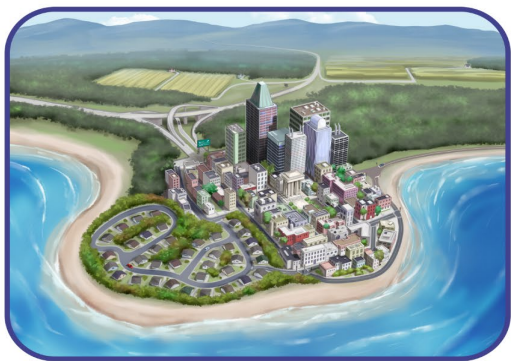
Floating



Consolidated

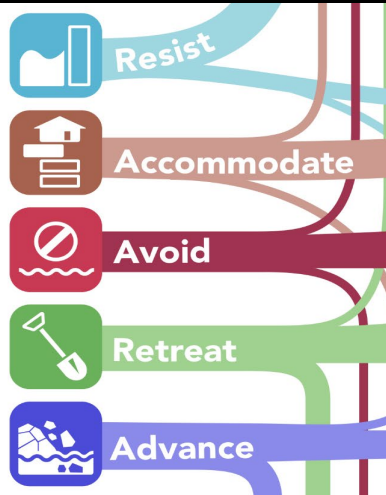


Mach & Siders
Science 2021



Present

TOOLS



Ocean City, MD

beach towel carpet
umbrellas fight for air space
in the sandy throng



Dauphin Island, AL



**DO YOUR
HAIKUS
ENVISION THIS?**

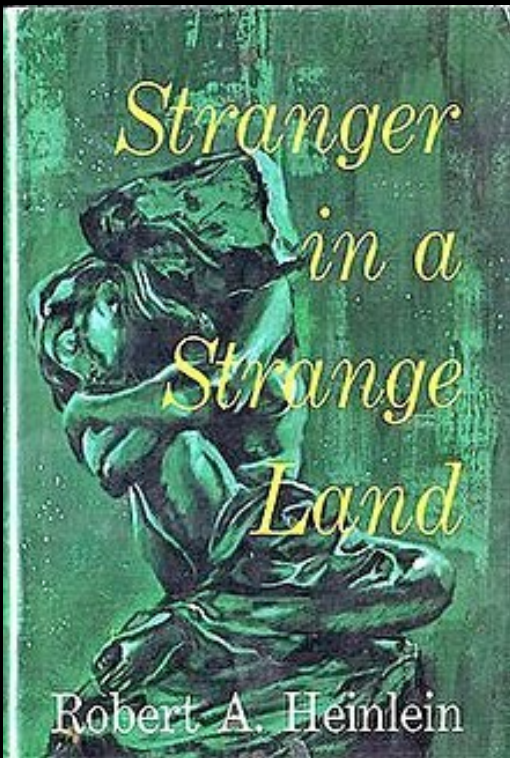


Blue Square Thing,
Flickr, CC2.0

**waves break on concrete
we wriggle and scrape our toes
where once the beach was**

grok it

How are those haikus going?



“findings suggest that narrative writing leads to decreases in anxiety and depression, while haiku writing increases creativity and sensitivity to topic”

Haiku and Healing: An Empirical Study of Poetry Writing as Therapeutic and Creative Intervention

Kittredge Stephenson^{1,*} and David H. Rosen^{1,*}

Empirical Studies of the Arts
2015, Vol. 33(1) 36–60
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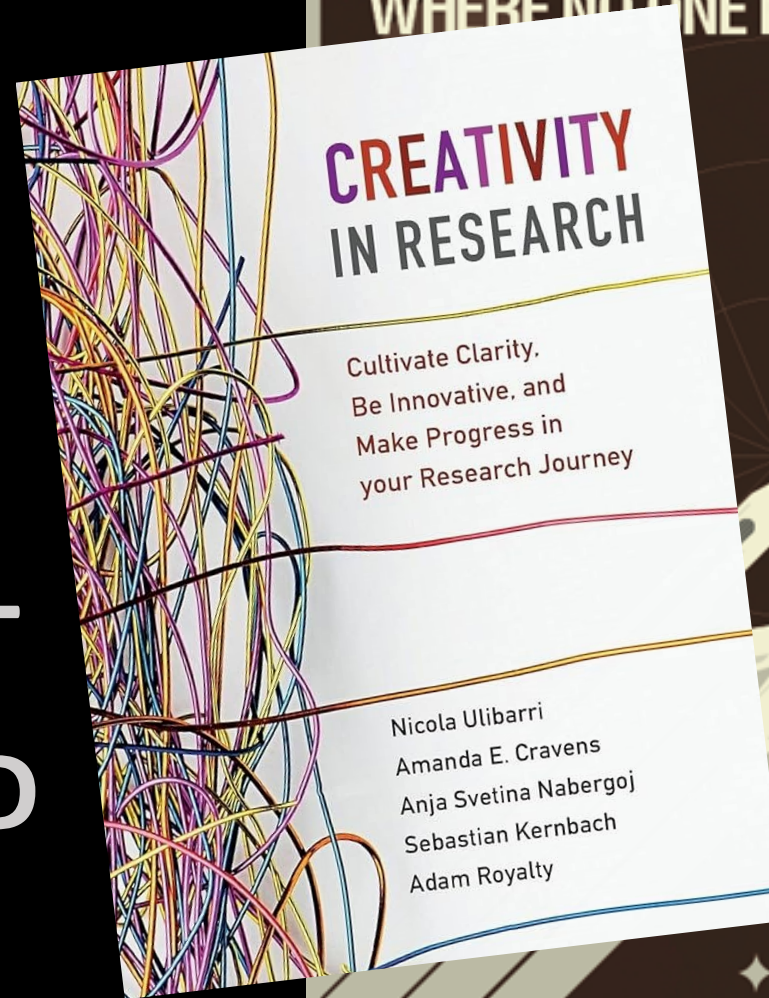


**CREATIVITY IS AN
ADAPTATION SKILL**



tumblr

**CREATIVITY IS AN
ADAPTATION SKILL
& CAN BE LEARNED**



**TO BOLDLY GO
WHERE NO ONE HAS GONE BEFORE**

**NCC
1701-A**

IDEAS ARE BORN IN FIELDS OF PLAY: TOWARDS A THEORY OF PLAY AND CREATIVITY IN ORGANIZATIONAL SETTINGS

Charalampos Mainemelis and Sarah Ronson

ABSTRACT

Play is manifested in organizational behavior as a form of engagement with work tasks and as a form of diversion from them. In this paper, we examine both manifestations of play as sources of creativity. We find that when play is a form of engagement with an individual's organizational tasks it facilitates the cognitive, affective, and motivational dimensions of the creative process, while when play is a form of diversion from work tasks it facilitates the affective and motivational dimensions of the creative process.

all work and no play ...
does not build creativity

Playing at work: professionals' conceptions of the functions of play on organizational creativity

AUTHOR

Samuel West

Eva Hoff

Ingegerd Carlsson

Department/s

Department of Psychology

Summary, in English

The notions of creativity considered in this study were investigated. Play is often considered to be a performance. Seventeen experienced informants considered play to be a form of intrinsic motivation and collaboration. The study found that leaders demonstrated playfulness in their activity was matched to the group's needs. In a phobic organization and when play was considered and seriousness in play was considered.

Play and Productivity Enhancing the Creative Climate at Workplace Meetings with Play Cues

SAMUEL E. WEST, EVA HOFF, AND
INGEGERD CARLSSON

The authors investigate the links between playfulness and creative organizational climates established by other research, using play cues—objects and sweets—they provide participants halfway through workplace meetings. Their findings suggest such cues significantly enhance the creative climate and playfulness in workplace meetings without risking meeting productivity. **Key words:** adult playfulness; creative climate; organizational behavior; play and productivity; workplace meetings

THE AVERAGE EMPLOYEE spends more than six hours a week in scheduled meetings. Supervisors spend twice as much time in formal meetings, and in larger organizations, managers spend more than 75 percent of their time preparing and executing meetings (Rogelberg et al. 2010). Given the sheer abundance of meetings in today's workplace, meetings are a useful starting point for



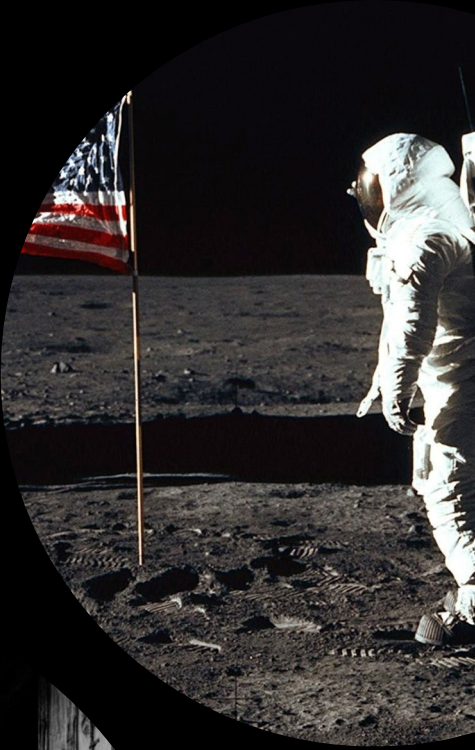
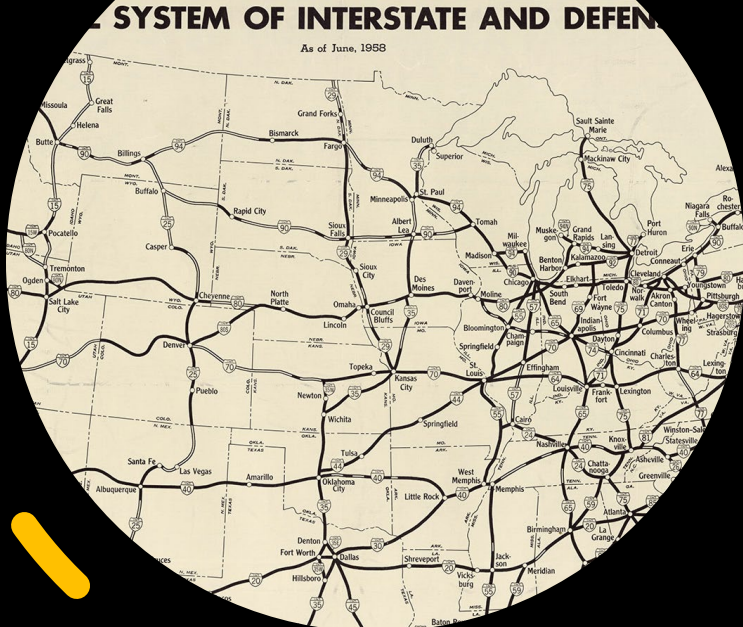
Xavier Cortado, Underwater
Homeowners Association
Lynne Sladky/AP



Lines - Niittyvirta & Aho



Watersnood Museum



what would wildly ambitious adaptation look like?



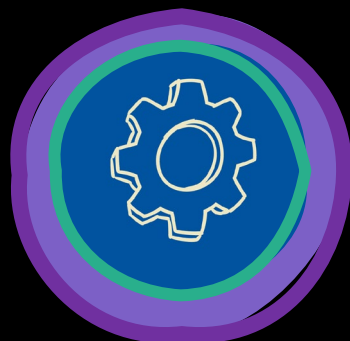
DO MORE



REFRAME



BE CREATIVE & CRITICAL



**EAT VEGGIES – DO THE HARD,
OBVIOUS THING, EVERY DAY**



The Conversation De Lange 2018

Building housing on flood plains another sign of growing inequality


Published: August 21, 2018 4:58pm EDT

A woman gets back into her flooded car on the Toronto Indy course on Lakeshore Boulevard in Toronto on July 8, 2013. Housing developers are building housing on known flood plains in cities around the world. THE CANADIAN PRESS/Frank Gunn

- Email
- X (Twitter) 26
- Facebook 212

Many cities around the world face a lack of affordable housing in and around expensive central business districts. Employers want cheaper labourers, who need more affordable housing in accordance with their lower salaries, to live nearby. So

Author

 **Deborah de Lange**
Associate professor, Toronto Metropolitan University





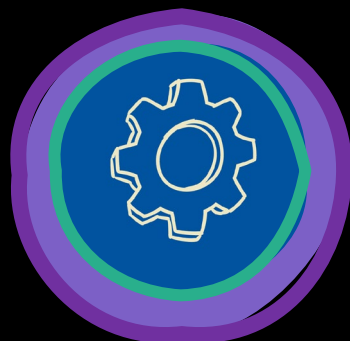
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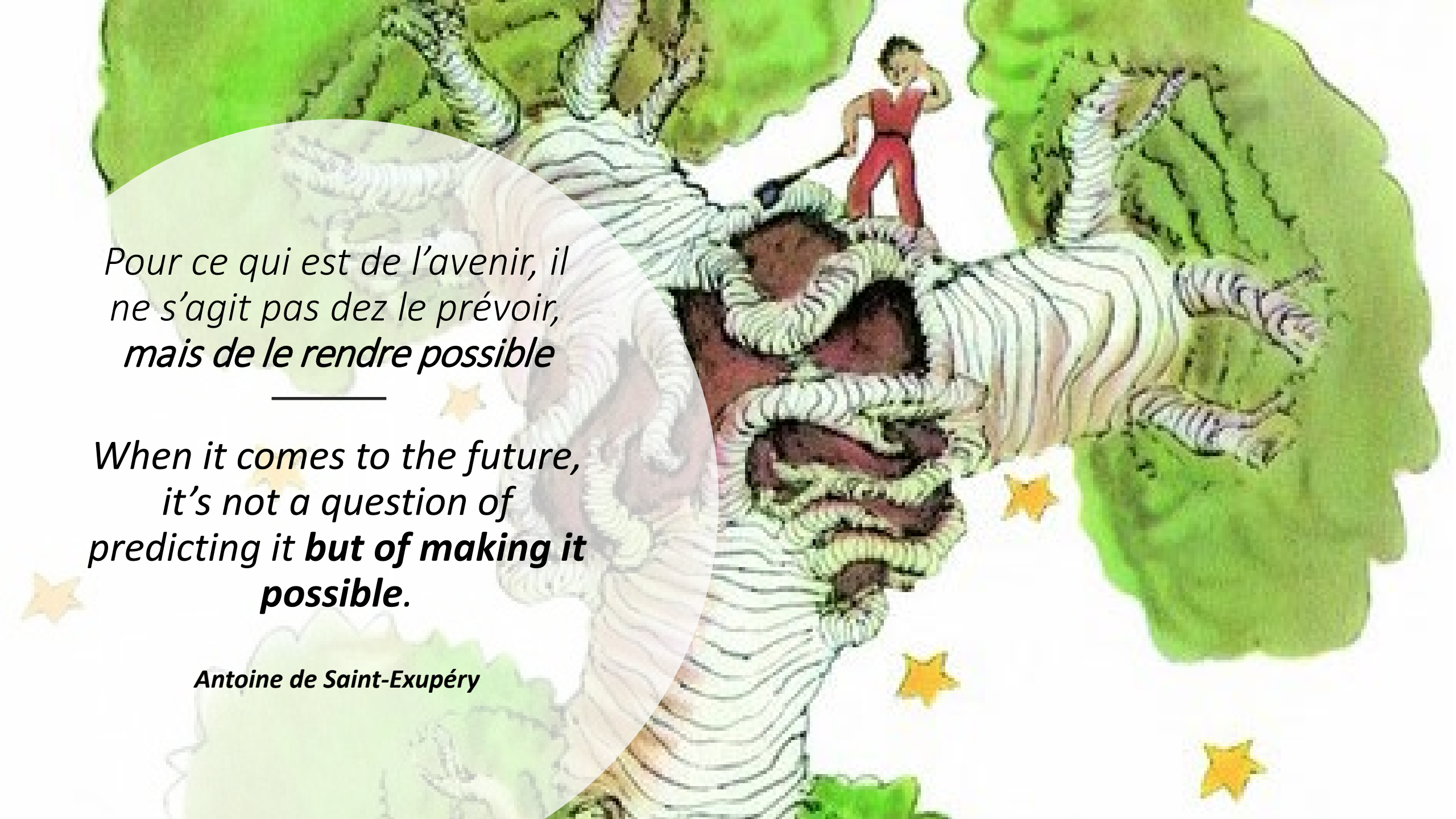
REFRAME



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*Pour ce qui est de l'avenir, il
ne s'agit pas de le prévoir,
mais de le rendre possible*

*When it comes to the future,
it's not a question of
predicting it **but of making it
possible.***

Antoine de Saint-Exupéry