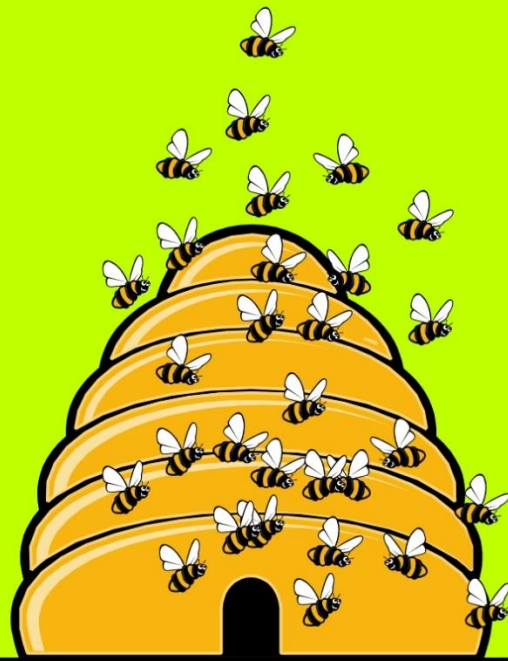


let's smash it
open and grab
some honey

that would be tasty,
but it would hardly
be sustainable



berry



AUBURN UNIVERSITY

OFFICE OF SUSTAINABILITY

Sustainability Update

Sustainability Imagery

**Auburn University Sustainability Stories/Report
STARS**



Chris Reidy

SYSTEMS THINKING

Working Together to Create a Sustainable World!

Peter Senge

"SYSTEM"

think of a family

Sometimes, consistent outcomes that nobody wants... What's happening?

Attention

What are we paying attention to?

Coca Cola... Goal: reduce water use
WATER Scarcity
 "You use hundreds of liters for a liter of Coke"
 ...To grow the Sugar

The CEO water Mandate: learn how to manage water... Sources, Uses
 Political & Economic Clout

Singapore Knows!
 • recycled water
 • See Sources
 • **SHARED STEWARDSHIP**

WE ARE ALL PART of a LARGER SYSTEM!

the System:
 • Too expensive
 • not reliable
 • Too little access

the **HEALTH CARE CRISIS**

Why is our Attention focused HERE?

WHERE IS the LEVERAGE in the System?

Healthy → NEED TREATMENT → IN TREATMENT

Complex environmental, social, psychological causes of illness

MANAGE the System?

Collaboration is the human face of Systems Thinking

OXFAM: the biggest threat to poor people in the world is climate change

a SOCIAL, ECONOMIC, and ENVIRONMENTAL PROBLEM

SEE the System we're a part of ... then ASK Where is the LEVERAGE?

Water Disease

WOMEN and YOUNG People are a force for Collaboration

South Africa a problem with collaboration ... too individualistic

use collaboration
 "It's us, we're causing the problem"
 • Children are Natural Systems Thinkers
 • Quality Conversations
 • Collaboration
 the kids get Systems

**BETTER HEALTH
 BETTER QUALITY
 LOWER COST**

We can only get all THREE!

Gets lots of people working Together

Distinguishing High vs. Low LEVERAGE?

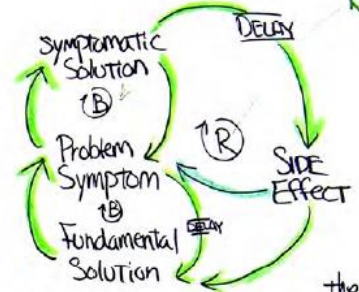
SHORT TERM vs. LONG TERM

attracting but low leverage: the Symptomatic Solution
 Pressure for Short Term RESULTS

SHIFTING THE BORDEN Archetype

A BIG PROBLEM in HIGHLY POLITICAL ISSUES

B = Balancing Loop
 R = Reinforcing Loop



We are NATURAL SYSTEMS THINKERS!

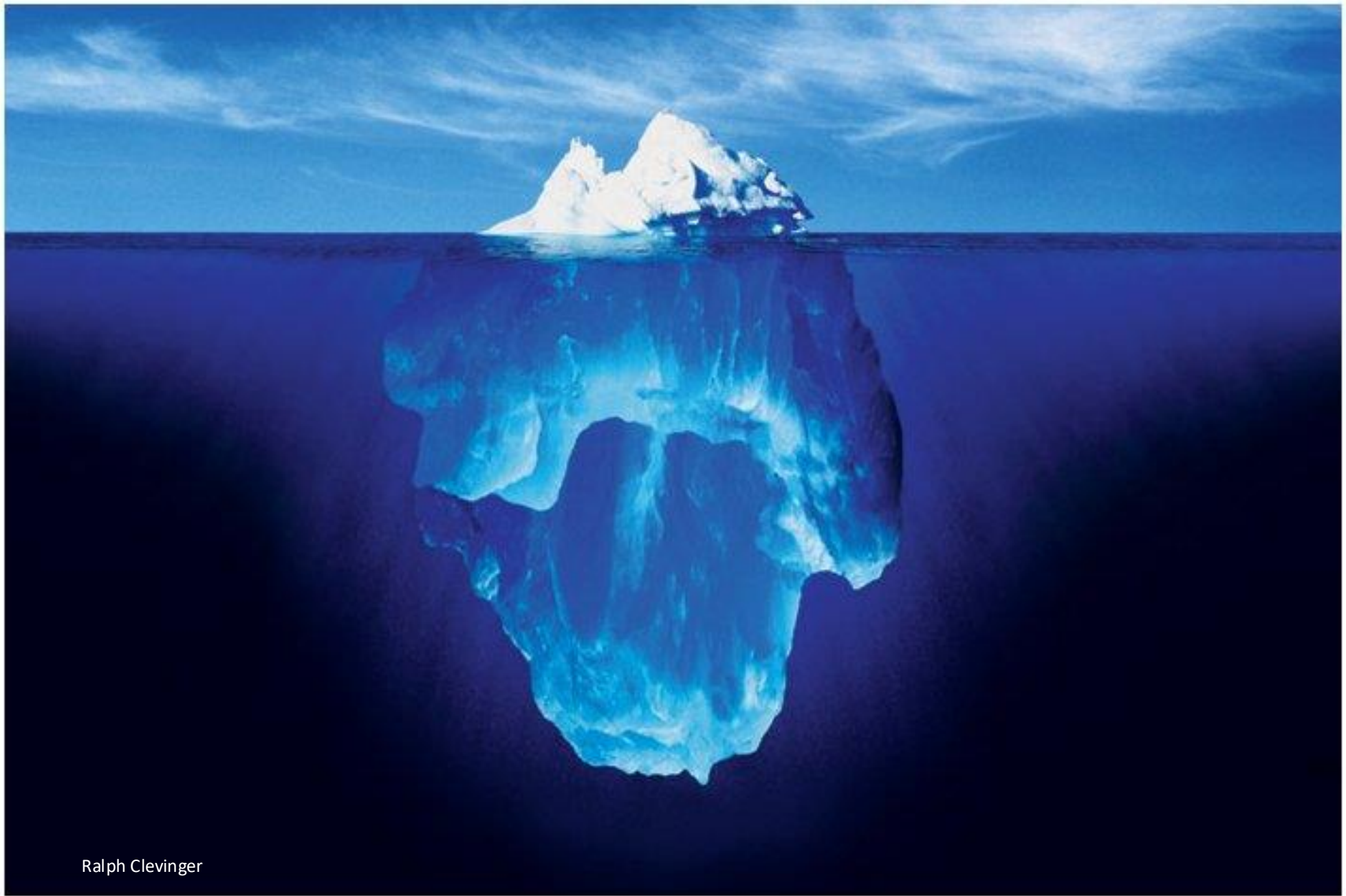
the most insidious symptomatic Solutions are the most effective ones

- Symptomatic fixes don't deal with underlying causes!
- Fundamental Solutions take longer... they're often Higher Risk
- Side Effects either make things worse or cause whole new problems

Why are Systems so RIGID?
MENTAL MODELS

RECOGNIZING Patterns?
 focus on the PATTERN, not on the details

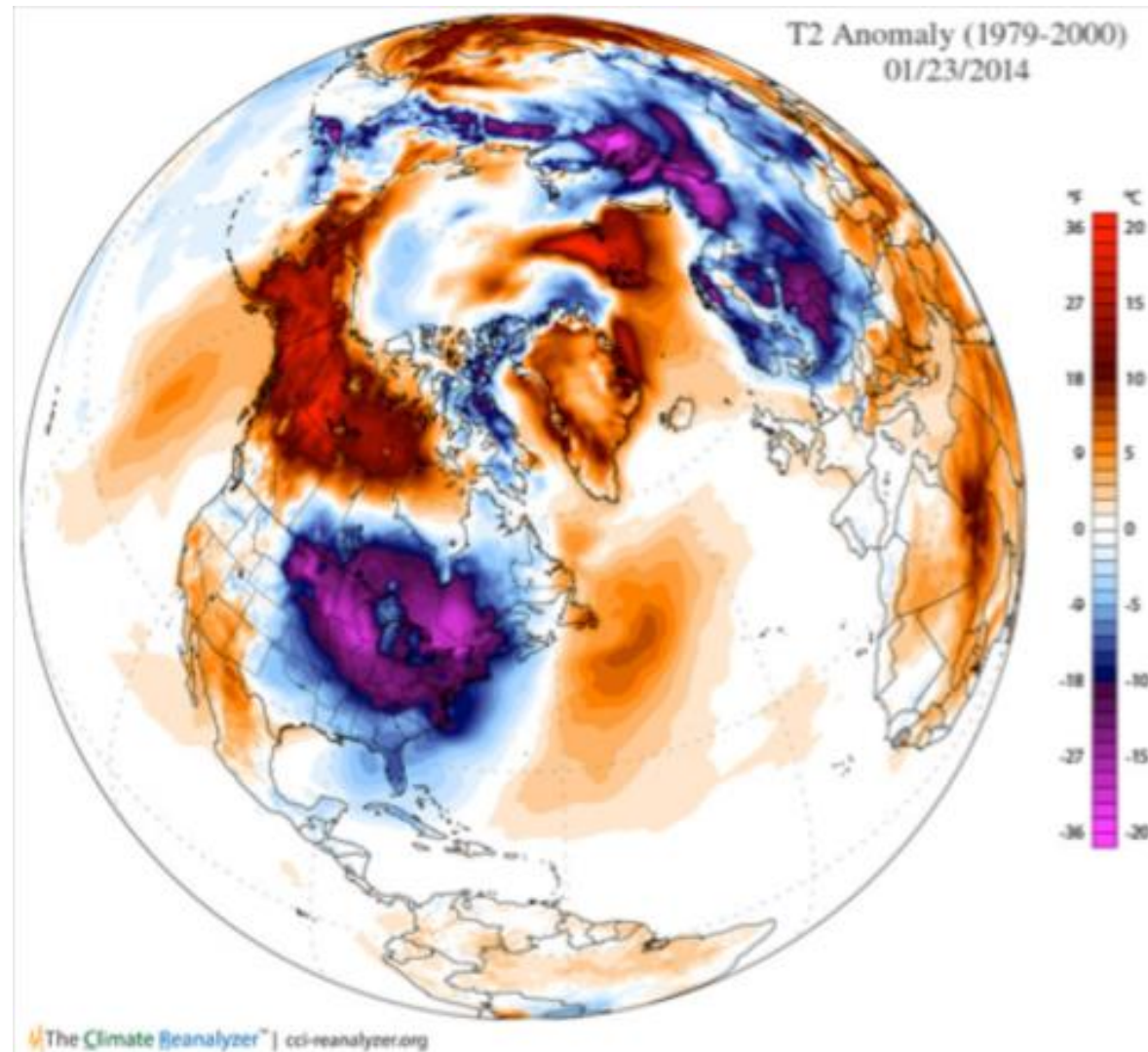
What's YOUR STORY?



Ralph Clevinger

Temperature Impact of the Polar Vortex

compared to 1979-2000 average temperature



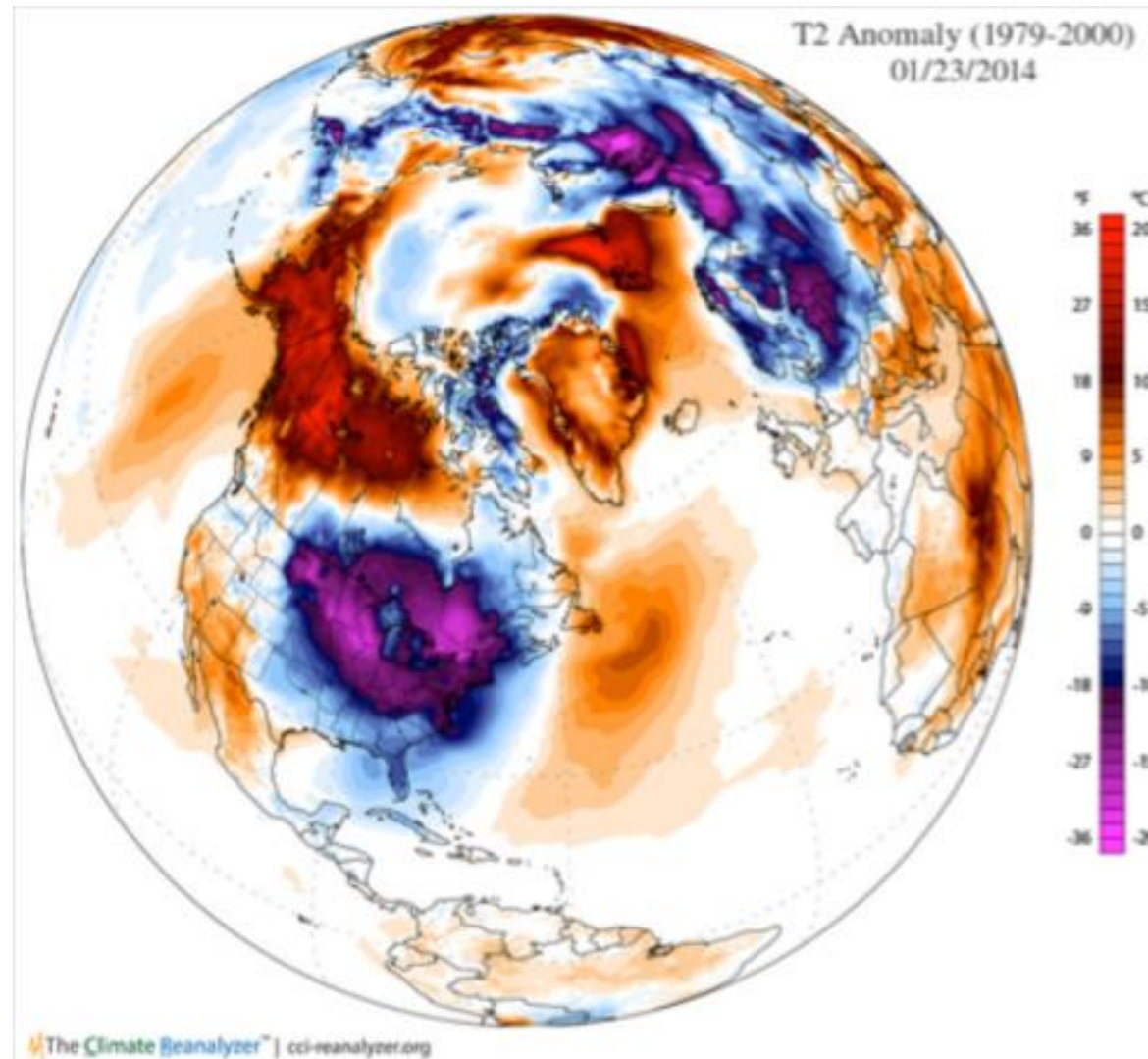
Temperature Impact of the Polar Vortex

compared to 1979-2000 average temperature

January 26, 2014

Homer, Alaska: 54°

Only Southern CA and
Southern FL warmer



Eastern U.S.
20° Colder

Alaska
20° Warmer

Sustainability Frameworks

Triple Bottom Line

The Natural Step

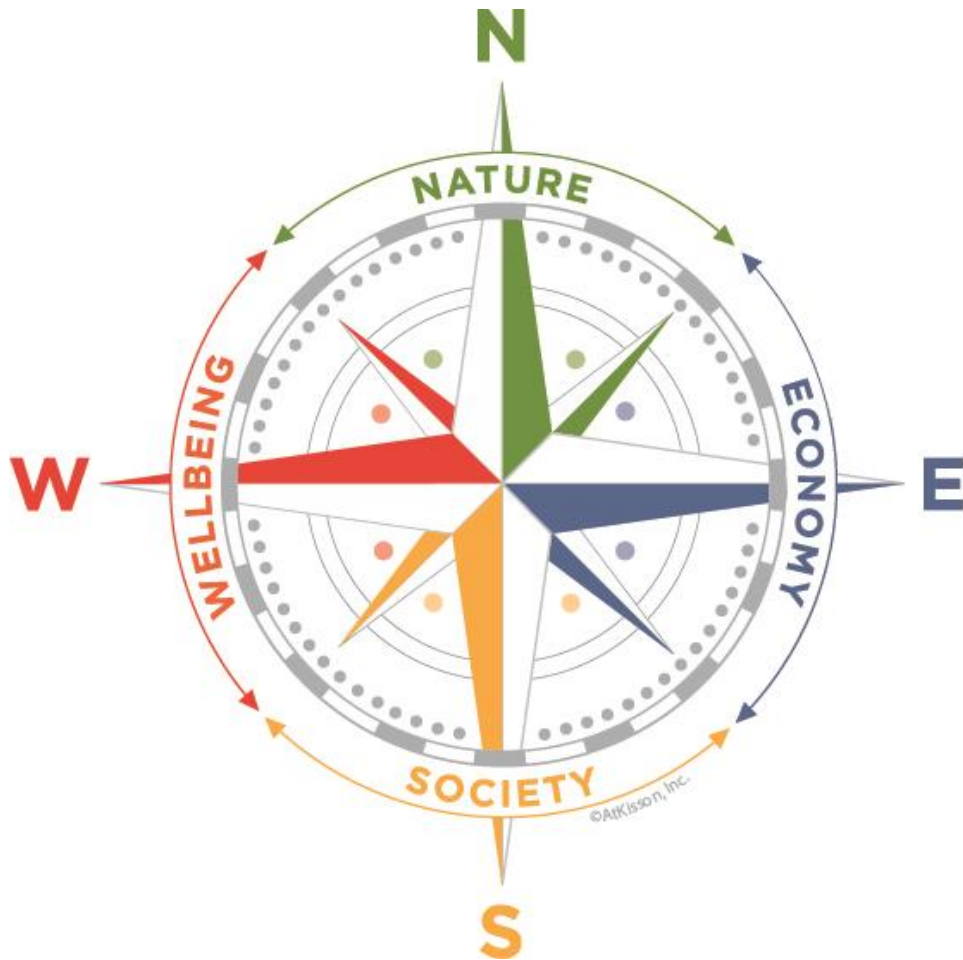
The Daly Triangle

“Meeting human needs...”



Chris Reidy

Sustainability Compass



Sustainability Compass

Conditions for a Flourishing World

Live in accord with the laws of **N**ature

Maintain a prosperous **E**conomy that is viable, fair, and inclusive

Cultivate **S**ocial connectedness, caring, equity, and engagement

Make individual opportunity, fulfillment, happiness and **W**ellbeing possible.



N



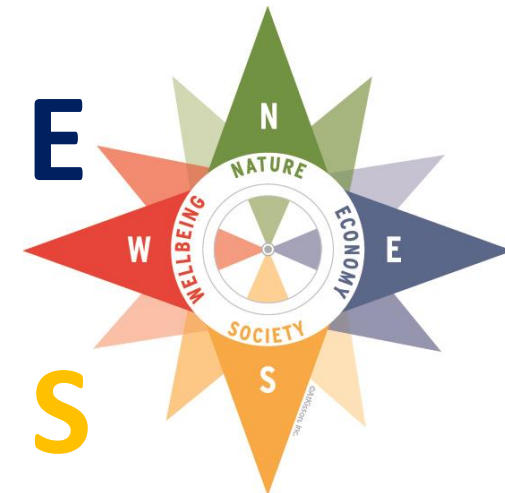
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S



W





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STARS

Telling Auburn's Story/Sustainability Reports

Big Red, Small Planet: Sustainability at Western Kentucky University

WKU Office of Sustainability

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2008 Sustainability Report *Delivering a Greener Tomorrow*



Telling Auburn's Story/Sustainability Reports



http://prezi.com/0afwzy7q_hue/we-are-uc-berkeley/

Telling Auburn's Story/Sustainability Reports

The Big Picture:

Academics, Engagement, Operations, Planning & Administration

Subsequent Stories:

- Energy
- Transportation
- Student Engagement
- Academics
- Food
- Buildings
- Community
- Landscape
- Wellbeing
-





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Sustainability Tracking Assessment & Rating System



477 Participating Institutions

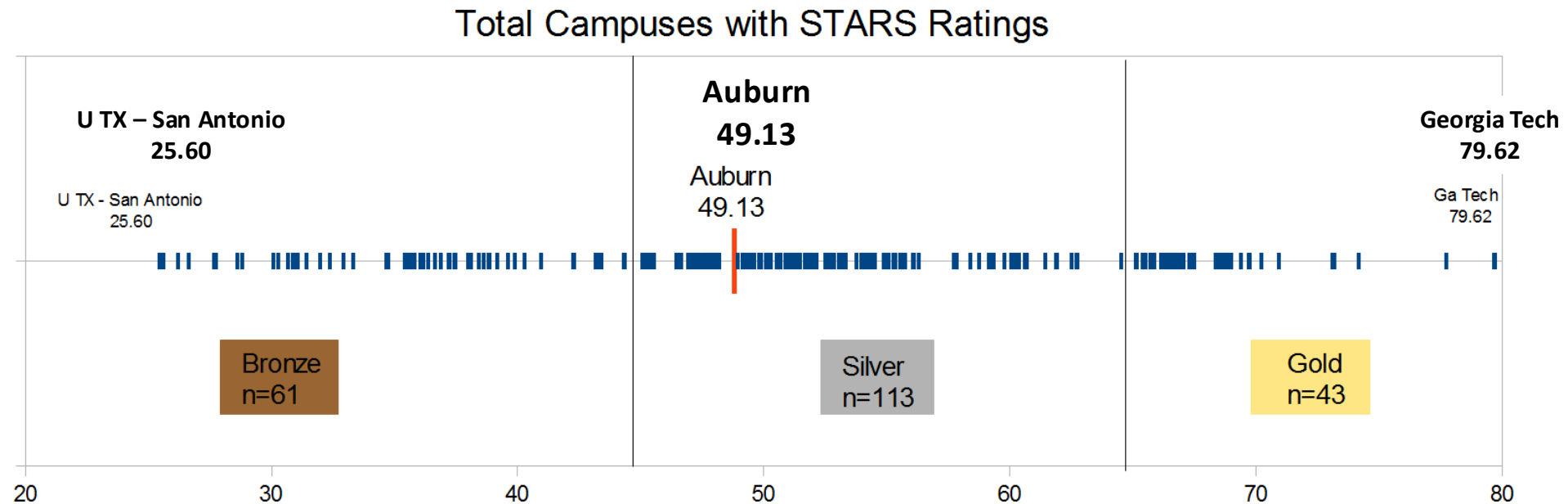
303 Rated Institutions



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Auburn's Performance Rating, 2012



January, 2013



www.stars.aashe.org

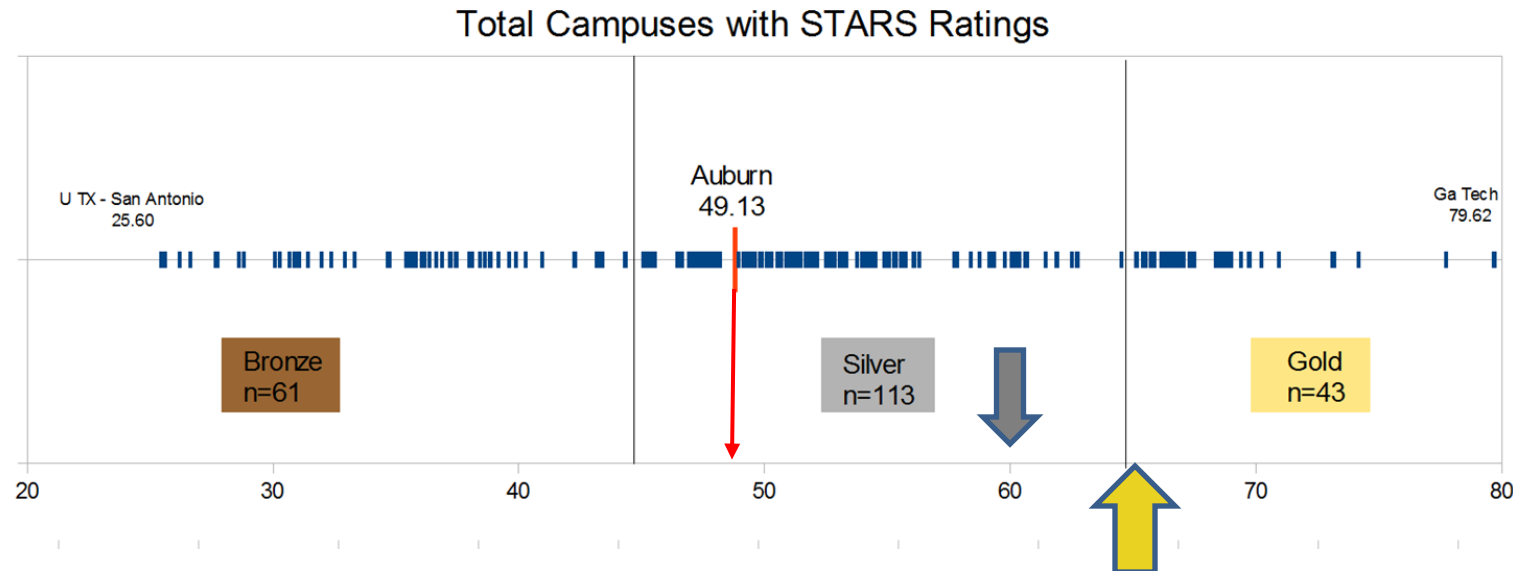


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STARS in the 2013-2018 Strategic Plan

- “Enhance the commitment to sustainability in our educational programs, research, operations, engagement, and innovation, improving our AASHE sustainability score from 49 to 60.”



WHY DID I HAVE
TO GIVE BAD KIDS ALL
THAT COAL?





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