Integrated Climate Action Planning

ICLEI and Nashville-Davidson

ICLEI

Local Governments for Sustainability

The oldest and largest local government network dedicated to climate action

ICLEI serves as the focal point for cities, towns and counties in key international agreements

ICLEI 5 Pathways

Low Emissions

ICLEI 5 Pathways

ICLEI 5 Pathways

Nature-Based

ICLEI 5 Pathways

Nature-Based

Accepted Frameworks

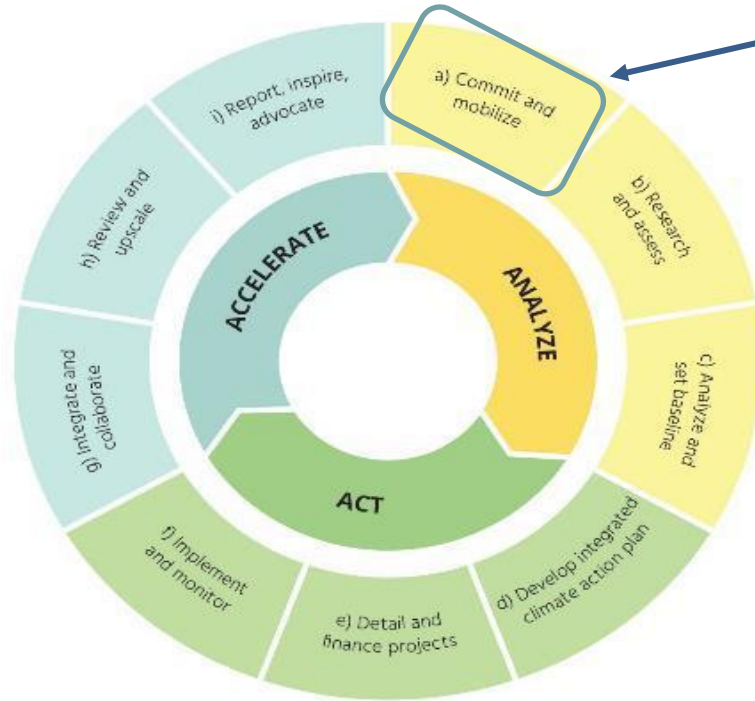GreenClimateCities
towards climate neutrality

GreenClimateCities
(formerly ICLEI Five
Milestones) has been
used by hundreds of
communities for
emissions-management,
sustainability and
resilience planning.

Photo by ICLEI USA

ACCELERATE

ANALYZE

ACT

GreenClimateCities
towards climate neutrality

ACCELERATE

ANALYZE

ACT

i) Report, inspire, advocate

a) Commit and mobilize

h) Review and upscale

b) Research and assess

g) Integrate and collaborate

c) Analyze and set baseline

f) Implement and monitor

d) Develop integrated climate action plan

e) Detail and finance projects

Community visioning & Stakeholder buy-in key to getting started

GreenClimateCities
towards climate neutrality
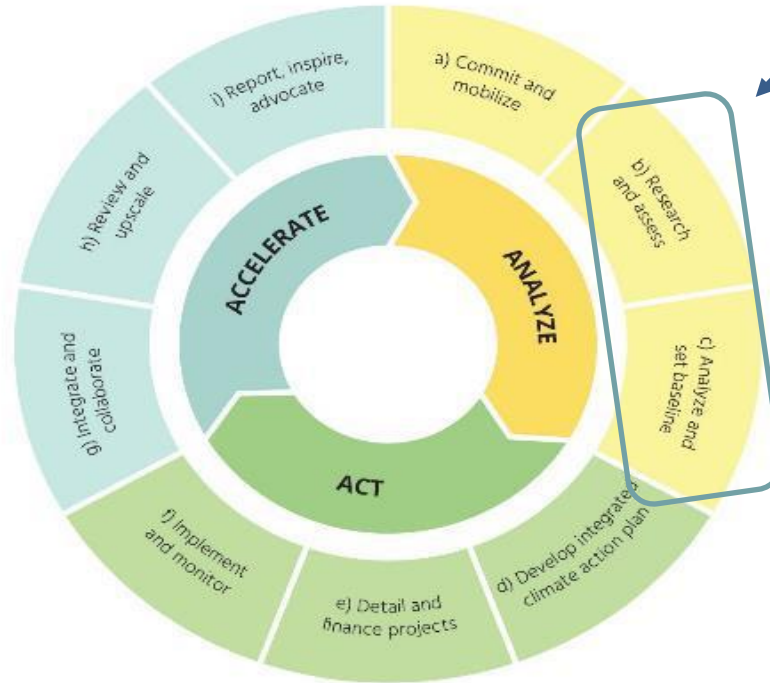
Assessing a baseline for the "three pillars" of adaptation, mitigation, and equity is among the first steps

ANALYZE
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ACT
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ACCELERATE
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ANALYZE

ACT

ACCELERATE

Equity and Resilience are "pillars" of integrated climate planning alongside resource conservation

Inclusion is part of the full Community-based (Inclusive) Planning cycle

Integrated Climate Planning Pillar: Adaptation

AR6 - Climate Change 2022: Impacts, Adaptation and Vulnerability

Every tenth of a degrees matters.

Limiting global warming to 1.5 degrees Celsius, rather than 2 degrees, "could reduce the number of people exposed to climate-related risks and susceptible to poverty by up to several hundred million by 2050," the report states.

At 1.5 degrees Celsius, the number of people across the globe at risk of inadequate water supplies could be 50 percent lower than at 2 degrees.
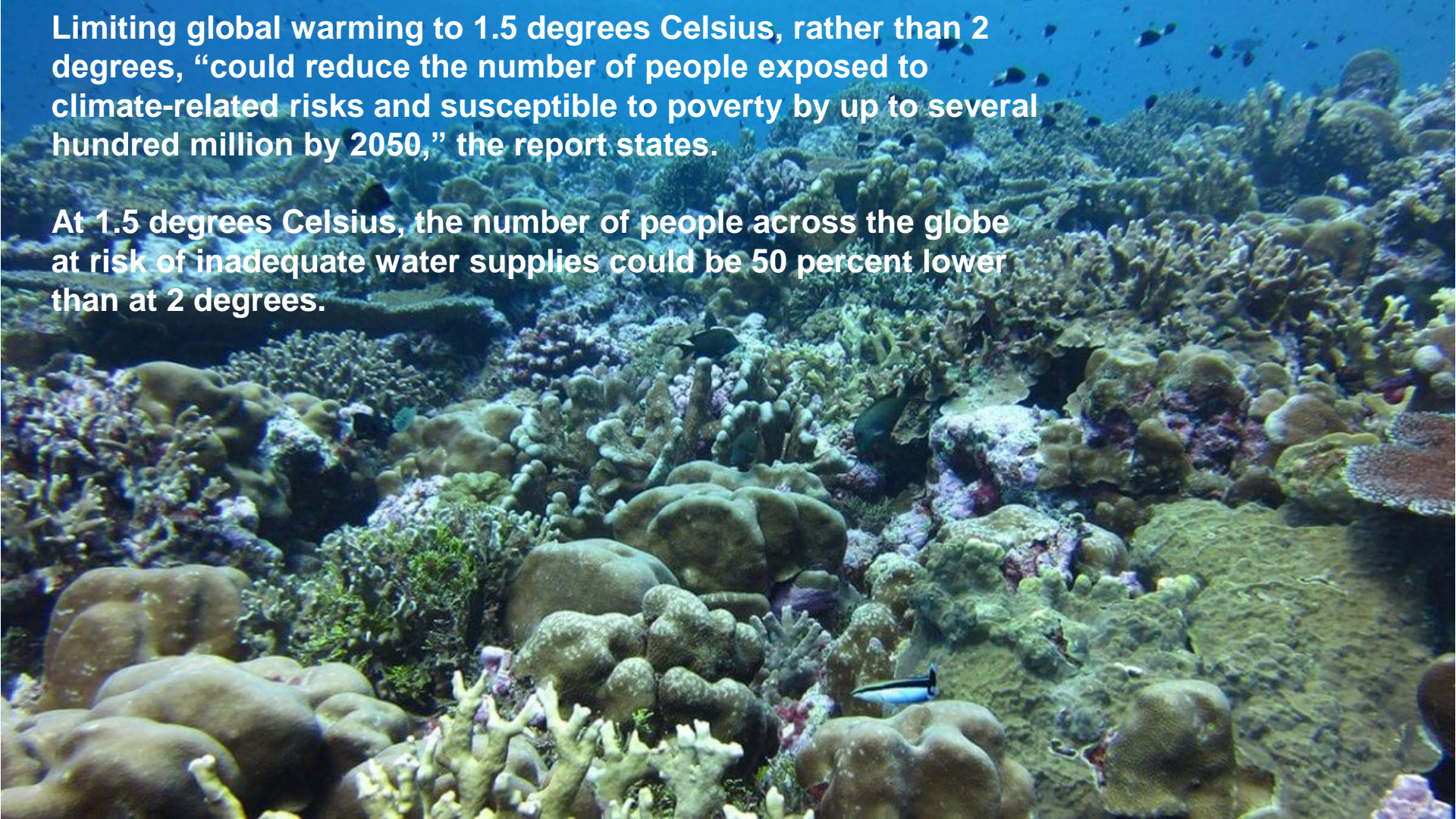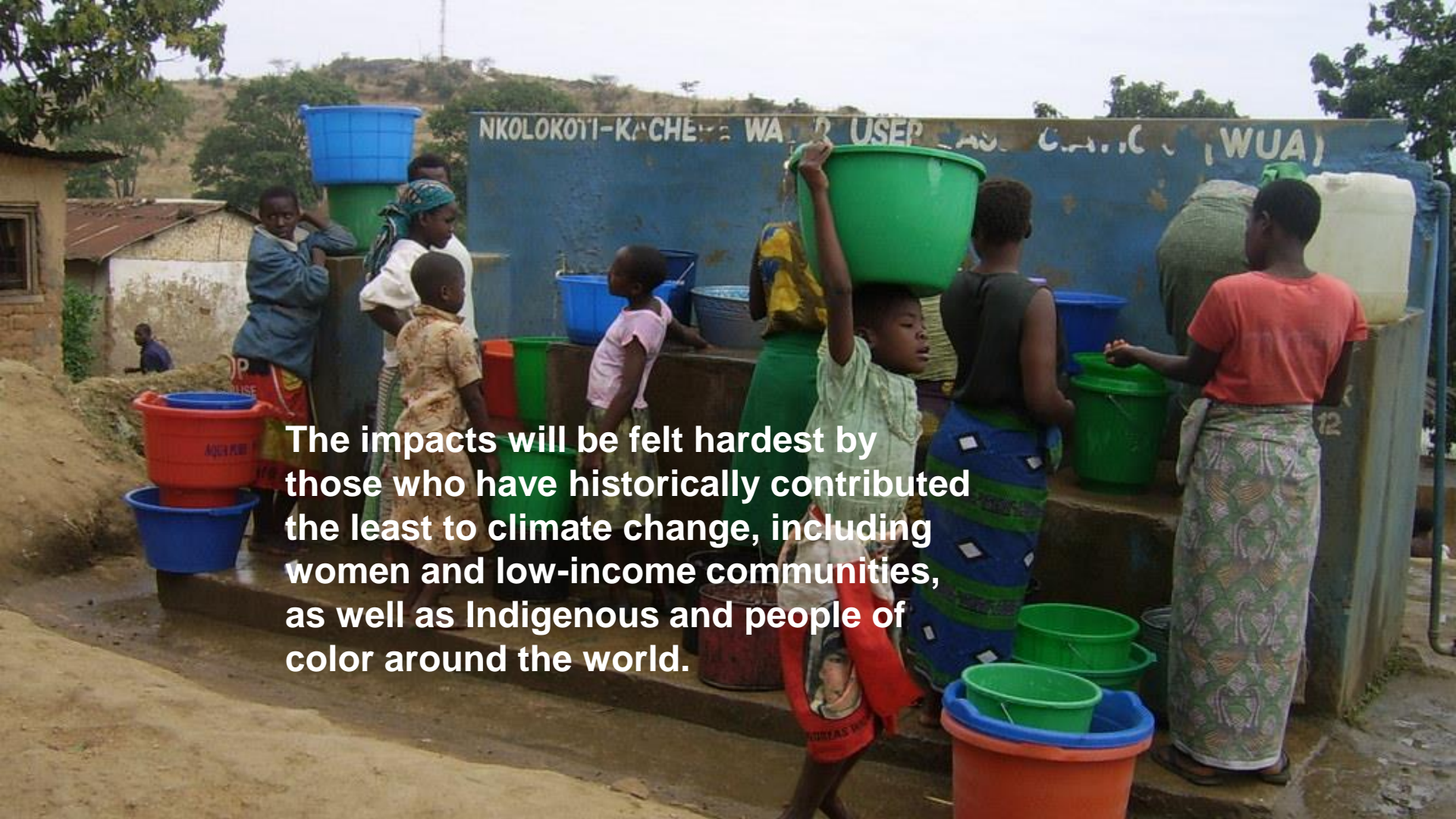
At 2 degrees, <u>coral reefs</u> could nearly all be dead. Just half a degree cooler and the survival rate for reefs could be as high as 30 percent.
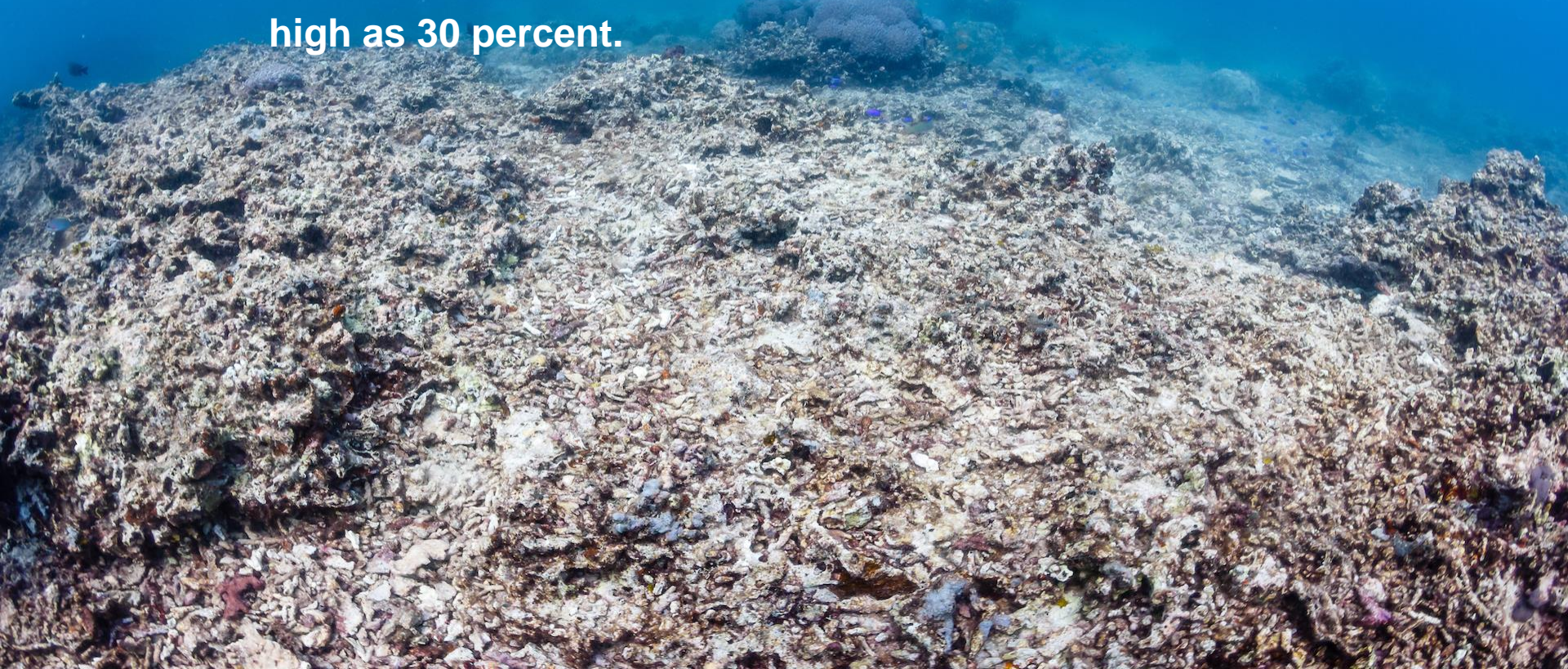
Twice as many plant species—and three times as many insects, which are critical to our food supply—could lose at least half of their habitat under a 2-degree Celsius versus a 1.5-degree rise.
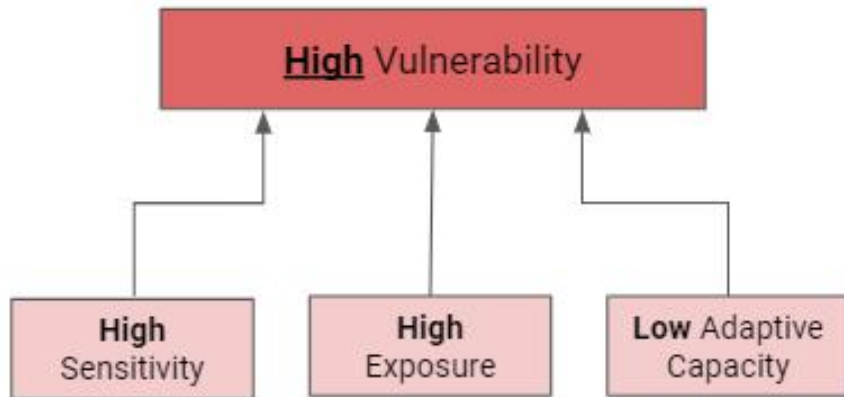
The impacts will be felt hardest by those who have historically contributed the least to climate change, including women and low-income communities, as well as Indigenous and people of color around the world.

It can be helpful to think of this ticking climate clock in terms of our remaining carbon budget. According to the Sixth Assessment Report, the world can emit just 460 gigatonnes more of carbon dioxide, measured from the start of 2020, if we want at least a 50 percent chance at staying below 1.5 degrees.

In recent years, the world has emitted about 36.4 gigatonnes annually.

If we continue at that pace, we will blow our entire carbon budget in about a decade.

New York uses a "multi-layered systems" mindset"

Governance system

Socioeconomic system

Structural system

Ecological system
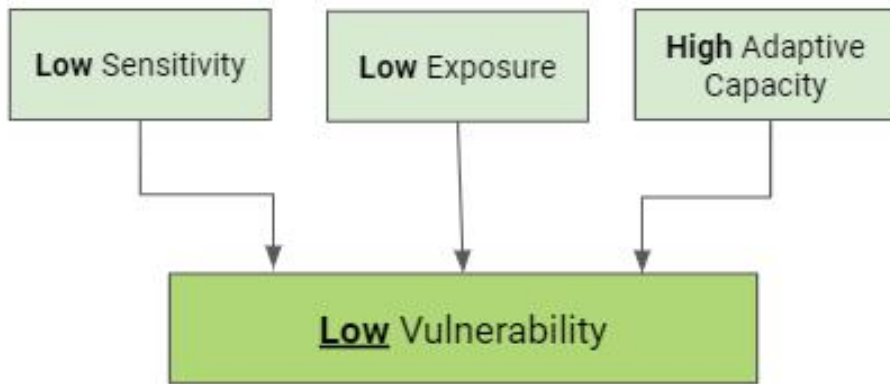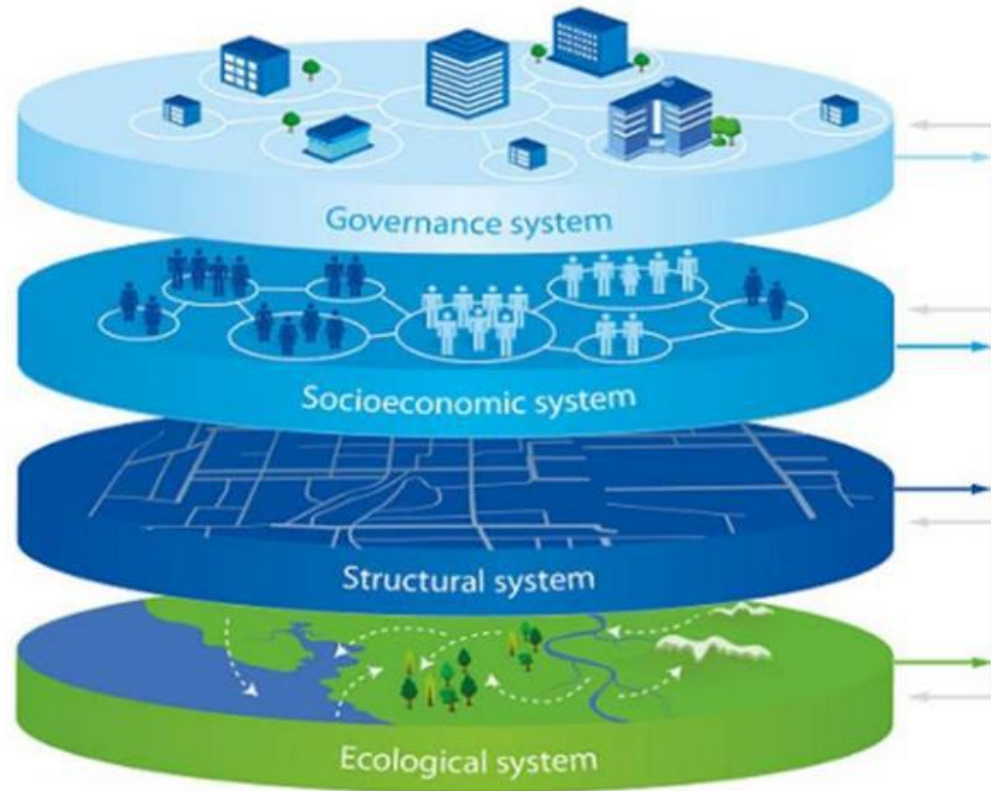
Community Systems
NYS Climate Smart Communities

New York uses a "multi-layered systems" mindset"

- Food supply
- Agriculture
- Drinking water sources, infrastructure, and treatment processes
- Energy infrastructure, and systems
- Transportation infrastructure
- Housing
- Economic sectors (e.g., manufacturing, recreation and tourism)
- Municipal facilities including critical facilities (e.g., schools, hospitals, fire and police departments)

- Waste disposal systems
- Wastewater treatment infrastructure and systems
- Stormwater infrastructure
- Emergency response systems
- Communication systems
- Social sectors (e.g., the elderly, youth, low-income, and non-native English speakers)
- Parks and public land
- Public health including the private health care system
- Natural assets and systems
- Cultural assets
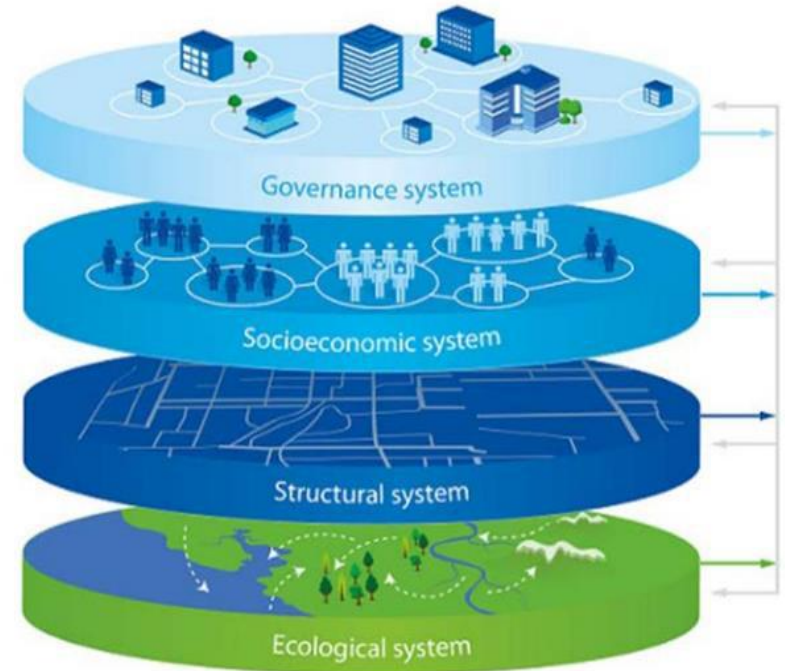
Assessing Climate Vulnerability

RACE TO RESILIENCE

Prioritized Areas of Risk: Hotter Summers

Hotter Summers and Critical Community Systems: Potential Areas of Vulnerability

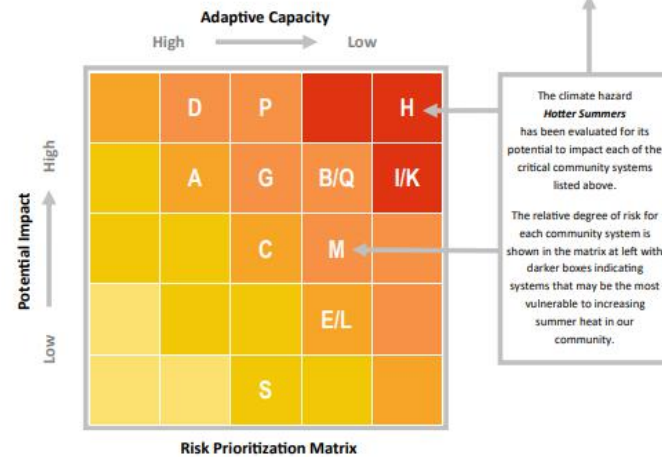| People & Community	Natural Systems	Economy & Employment	Infrastructure & Basic Services
A. Financial Wellbeing (HH)	G. Agriculture/Farming	L. Business Continuity	P. Emergency Services/Management
B. Food Security	H. Ecosystem Services	M. Employment Continuity	Q. Energy Access & Delivery
C. Homes & Buildings	I. Forests/Tree Cover	N. Industrial Operations	R. Internet & Communications
D. Human Health & Wellbeing	J. Hydrology/Watershed	O. Tourism	S. Law & Order
E. Population Displacement	K. Invasives/Species Shift		T. Stormwater Infrastructure
F. Public Safety			U. Transportation System
			V. Water Supply
			W. Water/Wastewater Infrastructure

Adaptive Capacity

High → Low

The climate hazard *Hotter Summers* has been evaluated for its potential to impact each of the critical community systems listed above.

The relative degree of risk for each community system is shown in the matrix at left with darker boxes indicating systems that may be the most vulnerable to increasing summer heat in our community.

Potential Impact (High → Low)

	D	P		H
	A	G	B/Q	I/K
		C	M	
			E/L	
		S		

Risk Prioritization Matrix

17
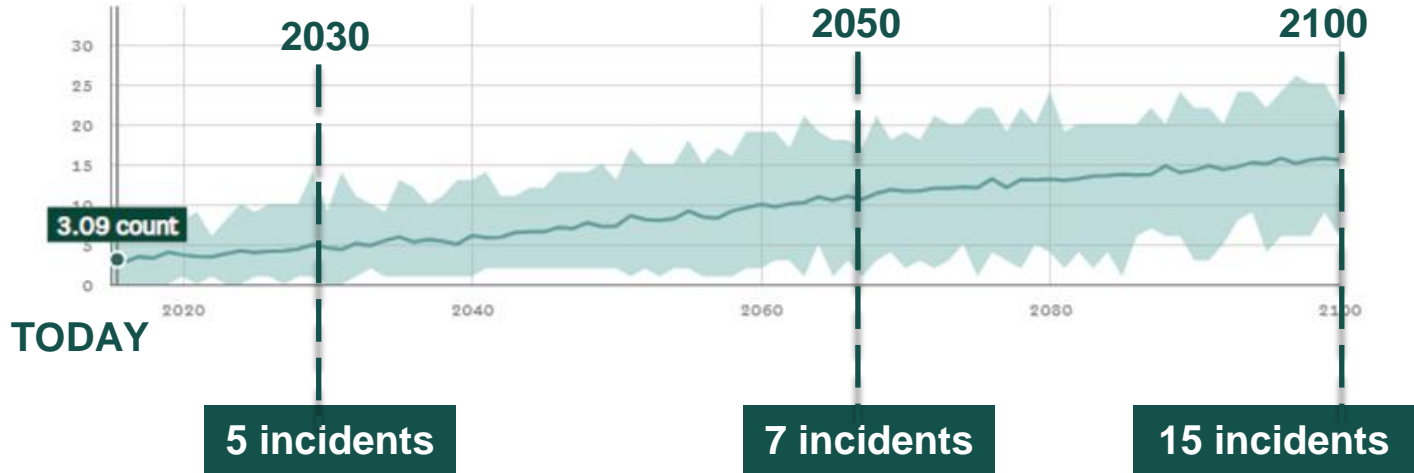
Every tenth of a degrees matters.

Integrated Climate Planning Pillar 1: Mitigation

Science-Based Targets are an Important Step in:

Setting climate goals for 2030 or sooner that put your community on a path to climate neutrality

Reaching the scale of reductions necessary to limit global warming to 1.5°C

Maintaining steady progress

Prioritizing action now

High Impact Action Pathways

Accelerating

Renewable Energy

Building Electrification (and Efficiency): New and Existing

EV Transition (and VMT Reduction)

It can't be done alone.
The High Impact Action Pathways include avenues for advocacy and collaboration for systemic change

Supporting

Waste and Methane

Nature-Based Solutions

Sustainable Food Systems

Circular Economy

Community Resilience, Health, and Equity (Just and Equitable Transition)

RACE TO ZERO

Expanding Your Reach

ICLEI
Local Governments
for Sustainability
USA

Public Services / Utilities

Metropolitan/ Regional Planning Organizations

Neighboring Local/Tribal Governments

Primary CAP Coordinator(s) and their Department

Task Force

Businesses and Industry

Senior Community   Low-income Populations

People of Color

Environmental Activists

Community-Based Organizations

Historically Excluded and Marginalized Populations

Non-English Speaking Populations

Immigrants and Refugees

People With Disabilities

Use the CAP Scoping Tool to start identifying entities that can help you reach key constituencies and how/when you will engage them

Establish your Climate Team!

INTERDEPARTMENTAL TEAM

RESPONSIBILITIES:

- Gather and analyze data for the sustainability assessment

- Analyze existing sustainability programs or measures

- Research best practices from other jurisdictions

- Analyze and vet strategies and measures for the plan

- Write chapters of the plan

- Manage implementation of relevant measures

Approximate time commitment: 4–8 hours per week

Establish your Climate Team!

SUSTAINABILITY ADVISORY BOARD

RESPONSIBILITIES:

- Provide strategic guidance on the scope and goals of the plan

- Review the findings of the sustainability assessment

- Provide input on the strategies for the plan

- Gather data for the sustainability assessment and research best practices

- Participate in in-depth working group meetings

- Provide input and feedback to the interdepartmental team on strategies and specific measures

Approximate time commitment: 4–7 hours per week

Integrated Climate Planning Pillar: Equity

ICLEI 3 Dimensions of Social Equity

ACCESS

Local governments seek to ensure more equal access to public services and infrastructures for all local residents – independent of factors like age, neighborhood, income, social group or language.

PARTICIPATION

The more programs are designed with rather than for residents, including all voices across the city and involving those affected early-on, the more they meet local needs and generate long-term impacts.

OPPORTUNITY

To offer fair perspectives for all, local governments are targeting 1) improved access to quality education for all, 2) provision of career perspectives and 3) increased diversity in employment.

Inclusion is part of the full Community-based (Inclusive) Planning cycle

Spectrum of Community Engagement

Stance towards community	0 IGNORE	1 INFORM	2 CONSULT	3 INVOLVE	4 COLLABORATE	5 EMPOWER
Impact	*Marginalization*	*Placation*	*Tokenization*	*Voice*	*Delegated Power*	*Community Ownership*
Community Engagement Goals	Deny access to decision-making processes	Provide the community with relevant information	Gather input from the community	Ensure community needs and assets are integrated into process and inform planning	Ensure community capacity to play a leadership role in implementation of decisions	Foster democratic participation and equity by placing full decision-making in the hands of the community; bridge divide between community and governance
Message to Community	*"Your voice, needs, and interests do not matter"*	*"We will keep you informed"*	*"We care what you think"*	*"You are making us think (and therefore act) differently about the issue"*	*"Your leadership and expertise are critical to how we address the issue"*	*"It's time to unlock collective power and capacity for transformative solutions"*
Activities	Closed-Door Meetings Misinformation Systematic Disenfranchisement Voter Suppression	Fact Sheets Open Houses Presentations Billboards Videos	Public Comment Focus Groups Community Forums Surveys	Community Organizing & Advocacy House Meetings Interactive Workshops Polling Community Forums	MOUs with Community-Based Organizations Community Organizing Citizen Advisory Committees Open Planning Forums with Citizen Polling	Community-Driven Planning Consensus Building Participatory Action Research Participatory Budgeting Cooperatives
Resource Allocation Ratios	100% systems admin	70-90% to systems admin 10-30% to promotions and publicity	60-80% to systems admin 20-40% to consultation activities	50-60% to systems admin 40-50% to community involvement	20-50% to systems admin 50-70% to community partners	80-100% to community partners and community-driven processes that ideally generate new value and resources that can be invested in solutions

MOVEMENT STRATEGY CENTER

Facilitating Power

Case Story: City of Baltimore

Utilize a **"Targeted Universalist Strategy"**

Planning decisions made considering both marginalized and dominant groups

Decisions weighted to maximize benefit to marginalized group

Baltimore Sustainability Plan

"Exploring the Equity Angle" webinar [Urban Transitions Alliance, 2019]

Case: City of Hayward

Unite2Green "youth climate ambassador" program

Joint funding from City, community foundation, and local utility

Target youth in underserved neighborhood

Workforce development for high school-aged students

"It is my mission to create a healthy planet by educating my community through culturally and language-sensitive information. I am always searching for opportunities to make a difference in my community, because we are affected by climate change. We need to provide disadvantaged communities with these tools."

Daisy Romero
Hayward Unite2Green Climate Ambassador and
ICLEI USA People's Delegate to COP23

Nashville-Davidson and and ICLEI in the Year Ahead

Left panel:

have been developed for your selected area based on its location within one of 11 broad forest regions, combined with the forest types, age classes and carbon stocks that are unique to your community's forest profile.

Current Forest Region:

Northeast

Default factors for Trees Outside Forests are based on data collected in representative urban areas of the U.S. Choose a city from the dropdown list below that most closely resembles your community with respect to proximity and climate.

Select a Similar City

Syracuse, NY ▼

MODIFY FACTORS
(optional)

Expand the menus below to view emission and removal factors localized to your community's boundary. It is recommended to keep these defaults unless local data from your community are available to override them. Modify any default by entering a new value in the box
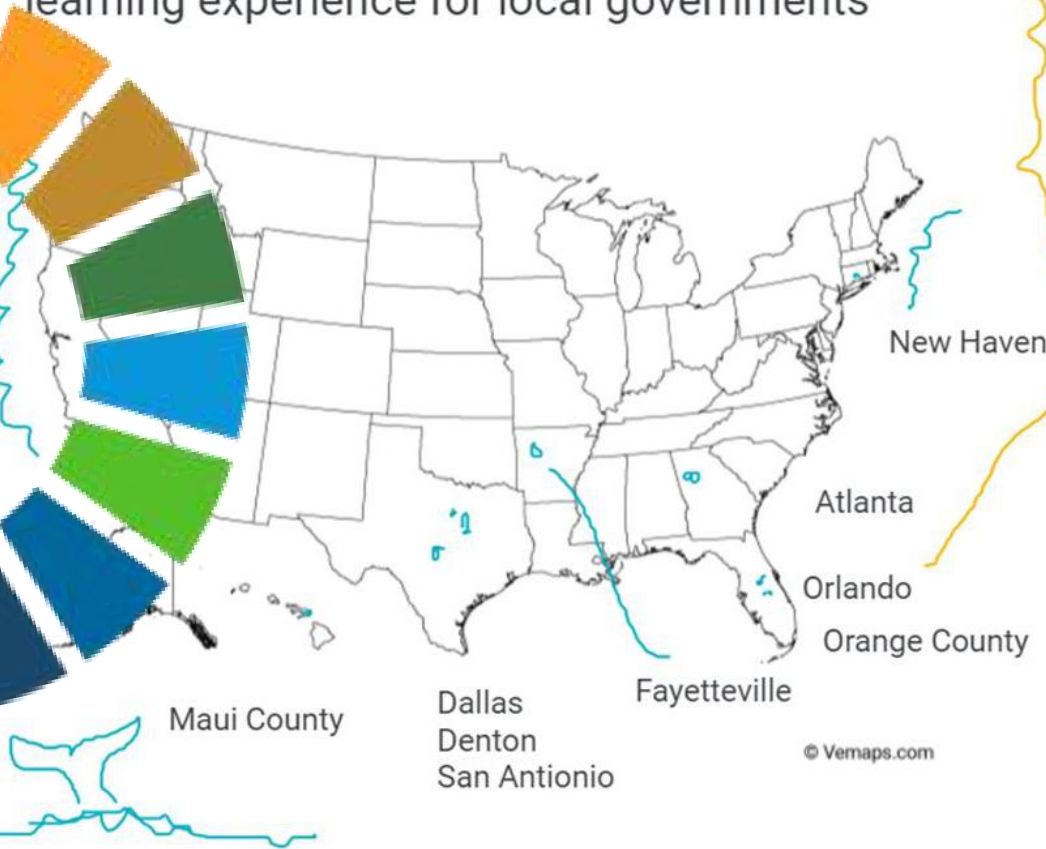
▼ Emission Factors

▼ Removal Factors

▼ Harvest Area

Sidebar icons:
- MAP LAYERS
- SELECT AREA
- INVENTORY PERIOD
- CARBON FACTORS
- RESOURCES

Panel — LEGEND / ANALYSIS tabs:

	Removals	Emissions
Forest → Forest	-1,238,268	
Non-Forest → Forest	-13,816	
Forest → Settlement		854
Forest → Grassland		23,623
Forest → other non-forest lands		21,981
Trees outside of forest	-118,056	4,380
Harvested Wood Products		0
forest remaining forest (natural disturbance)		29,778
TOTAL	-1,370,140	217,769
Net GHG balance	-1,152,371	

🖨 Print Report

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Powered by Esri

The SDGs Cities Challenge

An international, multi-city leadership-and-learning experience for local governments

New Haven

Atlanta

Orlando

Orange County

Fayetteville

Maui County

Dallas
Denton
San Antionio

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9 cities • 6 months • 1-on-1 technical support • Small group sessions• International recognition

Whole-of-government approaches

Cross-departmental collaboration

Data for development

SDG-aligned budgeting

Thanks!

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