

Collaboration for Resiliency and Public Health in the LA Region

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Department of Public Health



Overview

- Los Angeles County Department of Public Health's (DPH) climate change work
 - Involvement with LARC
- LARC's Framework for Regional Climate Action and Sustainability



Climate Change in Los Angeles means

- Higher average temperatures
 - More extreme heat days (over 95°F)
- Worse air quality
- More acres burned by wildfires
- Greater incidence of vector-borne diseases



Five Point Plan to Reduce the Health Impacts of Climate Change



Inform

...and engage the general public about the nature of climate change and the health co-benefits associated with taking action to reduce carbon emissions.



Promote

...local planning, land use, transportation, water, and energy policies that reduce carbon emissions and support the design of healthy and sustainable communities.



Provide

...guidance on climate preparedness to local government and community partners to reduce health risks and create more resilient communities.



Build

...the capacity of Departmental staff and programs to monitor health impacts, integrate climate preparedness, and improve climate response.



Adopt

...best management practices to reduce carbon emissions associated with Departmental facilities and internal operations.

CLIMATE AND HEALTH SERIES - REPORT 1

Your Health and Climate Change in Los Angeles County



Los Angeles County Department of Public Health
Division of Environmental Health | August 2014



COUNTY OF LOS ANGELES
Public Health

CLIMATE AND HEALTH SERIES - REPORT 2

Framework for Addressing Climate Change in Los Angeles County



Los Angeles County Department of Public Health
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Service Location:



Climate Change & Public Health In Los Angeles

Climate change is a health issue.

But what we do about it can bring an even brighter future: A Los Angeles with clean air, healthy food, less traffic, and safe opportunities to walk and bike. Explore this page to find out more about our efforts.

CLIMATE NEWS




THE LANCET

Number of hot days to soar in L.A.
[See the full article >>](#)

Southern California leaders to fight climate change's effects on health
[See the full article >>](#)

Climate change poses a severe risk to global health, says new report
[See the full article >>](#)

RESOURCES

PRESENTATIONS FOR SPECIFIC AUDIENCES

| | |
|--------------------------------------|----|
| General Public | 26 |
| County/City Departments and Partners | 26 |

REPORTS



Climate and Health Series | 2014

Your Health and Climate Change in Los Angeles County



Climate and Health Series | 2013

Framework for Addressing Climate Change in Los Angeles County

LA COUNTY PUBLIC HEALTH IN ACTION

Our Plan



Tips





Public Health is working around the County to protect residents from the effects of climate change, including extreme heat, worse air quality, wildfires, and mosquito-borne diseases. Read on for more detail on Public Health's proactive work:

- > Interested in having someone speak to your community group about climate change? [Request a presentation](#) or find [PowerPoint presentations](#) developed by Public Health to explain the health impacts of climate change.
- > In August 2014, Public Health convened a new County-wide committee focused on climate change mitigation and adaptation. The Climate Committee is focusing its initial efforts on reducing the impacts of the urban heat island in Los Angeles. Contact ehmail@ph.lacounty.gov for more information.
- > In 2013, Public Health developed a comprehensive workshop series to transform our workforce into climate change ambassadors. Interested in adapting the workshop series for your own staff? Find recorded [presentations](#), [slides](#), and [guides](#) to brainstorming activities.

For more information on the Los Angeles County Department of Public Health's climate change work, contact ehmail@ph.lacounty.gov.

Climate & Health Workshop Series

- Content:
 - Lecture, < 20 minutes
 - Brainstorming session
- Original run (2013-2014)
 - 16 sessions
 - Invited staff only
- Second run (2014-2015)
 - 5 core sessions
 - All DPH staff invited



Workshop Content

1. Introduction to how climate change is projected to impact health globally and locally
2. Vulnerable populations and co-benefits of climate change adaptation
3. How to apply adaptive management in the context of climate action planning
4. Ten things every public health professional should know about climate change
5. How to communicate climate change-related risks to critical stakeholders



Workshop Content

www.laregionalcollaborative.com/climateandhealth

LARC

Los Angeles Regional Collaborative
for Climate Action and Sustainability

[HOME](#) [LARC](#) [THE FRAMEWORK](#) [RESOURCES](#) [NEWS + EVENTS](#) [CONTACT](#)

LA CLIMATE AND HEALTH WORKSHOPS

The LA Climate & Health Workshop Series is one of the activities that the [Los Angeles County Department of Public Health](#) is using to build healthier communities in Los Angeles that are more resilient to the impacts of climate change.

The workshop series was developed in collaboration with the [University of California, Los Angeles Fielding School of Public Health](#). Dr. Hilary Godwin and her doctoral students designed lectures and brainstorming sessions to meet the needs of the Department of Public Health.

Each workshop features:

- A lecture that is 20 minutes or less.
- An interactive brainstorming that is planned to last 40 minutes. The brainstorming sessions allow staff to engage with material and generate ideas that inform the Department of Public Health's climate action planning.

Workshop materials are provided here as a template for other public health departments to modify to train their own staff. We ask that you give appropriate credit to the team that developed the series. Below you'll find recordings of the seminars, PDF copies of the presentation slides, and instructions for conducting the brainstorming sessions.

Workshop 1: 10 Things Every Public Health Professional Should Know About Climate Change

This seminar presents the science behind climate change, with a particular focus on correcting widely-held

Leadership

- Climate Committee
 - Formed 2014
 - Participants include County Departments of Beaches & Harbors, Fire, Internal Services, Parks & Recreation, Public Works, Regional Planning
 - Working on urban heat island reduction plan



Urban Heat Island Effect in LA

89.3 KPCC

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[DONATE NOW](#)

Environment & Science

LA area has highest urban heat island effect in California

Sanden Totten

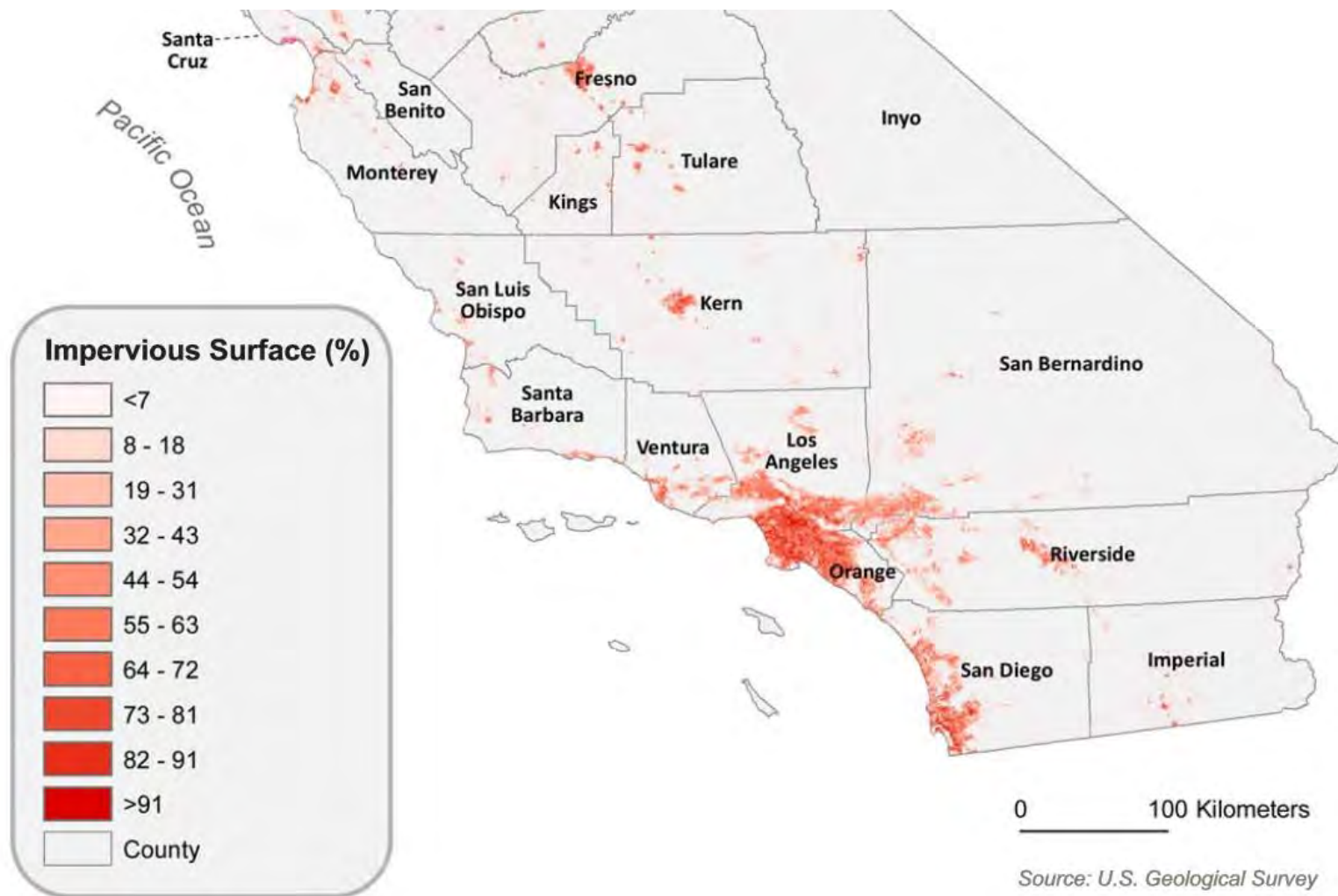
September 21 2015

Downtown Los Angeles. DAVID MCNEW/GETTY IMAGES



COUNTY OF LOS ANGELES
Public Health

Urban Heat Island Effect in LA



Urban Heat Island Reduction Plan

- **Benefits**
 - Save lives
 - Lower energy costs
 - More comfortable to exercise and play outside
 - Improved air quality
- **Components**
 - Tree planting and maintenance
 - Cool roofs
 - Cool and permeable pavements



Participation in LARC

- Connections with other agencies, non-profits, and researchers in the region
- Access to best science
- Awareness of new and ongoing projects region-wide
- Participation in regional goal-setting, such as with the Framework



Relevant research & information

Relevant outreach & training

Good decision-making,
policy development, & action



LARC

Los Angeles Regional Collaborative
for Climate Action and Sustainability

Krista Kline, *Managing Director*

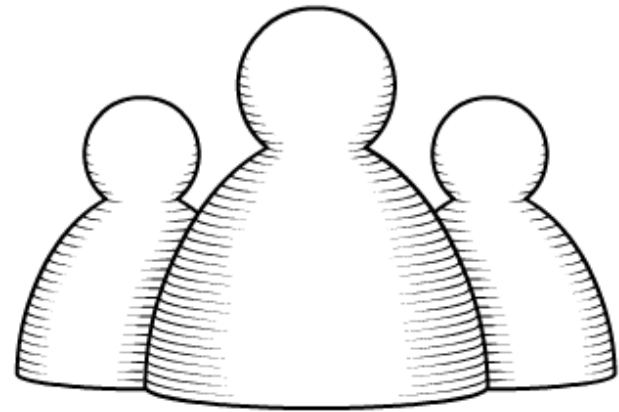


What do we do?

Cultivate partnerships to connect
climate research & policy

Our members are:

- NGOs
- Government
- Academia
- Community Groups
- Business Community
- Students



Our current members:



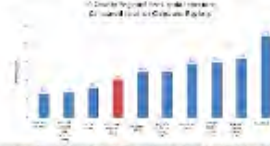
Events, Projects, & Initiatives

3rd Month Forums



The 3rd Month Forum is a public event series held quarterly to explore climate action efforts in the Los Angeles region.

LAC Community Greenhouse Gas (GHG) Inventory



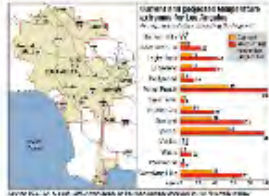
In partnership with Los Angeles County Informed Citizens and the Office of Sustainability, we've released 2011 Community GHG Inventory for every city in L.A. County. These data serve as a baseline and a starting point for regional climate action & planning efforts that must occur throughout the region to comply with the mandates set forth in AB 32.

LA's Climate Future



Dr. HAP's climate modeling is used to understand the forces shaping climate at the Los Angeles regional scale.

From UCLA's LARC Study, 2012



| City | Projected Temperature Increase (°F) |
|---------------|-------------------------------------|
| Los Angeles | ~3.5 |
| San Francisco | ~3.0 |
| New York | ~2.5 |
| London | ~2.0 |
| Paris | ~1.5 |
| Beijing | ~1.0 |
| Mumbai | ~0.5 |
| Sydney | ~0.5 |
| Auckland | ~0.5 |
| Wellington | ~0.5 |
| Christchurch | ~0.5 |
| Dunedin | ~0.5 |
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| Dunedin | ~0.5 |

AdaptLA: Sea Level Rise Vulnerability Studies



In development: develop a comprehensive shoreline change and coastal erosion model for the Los Angeles region.

CCSC LA Energy Atlas

A flexible and responsive research platform

- Data collected from utilities, county assessor, building energy data, weather/climate models, etc.
- Shows building energy consumption from 2004-2013 in LA County
- Provides building energy profiles for cities & neighborhoods
- Enables data downloading & interactivity

Useful for the State of CA, agencies, local government, utilities, and researchers



CCSC LA Energy Atlas



Provides knowledge, data, and tools to improve decision making related to energy and GHG reductions.



3rd Month Forums

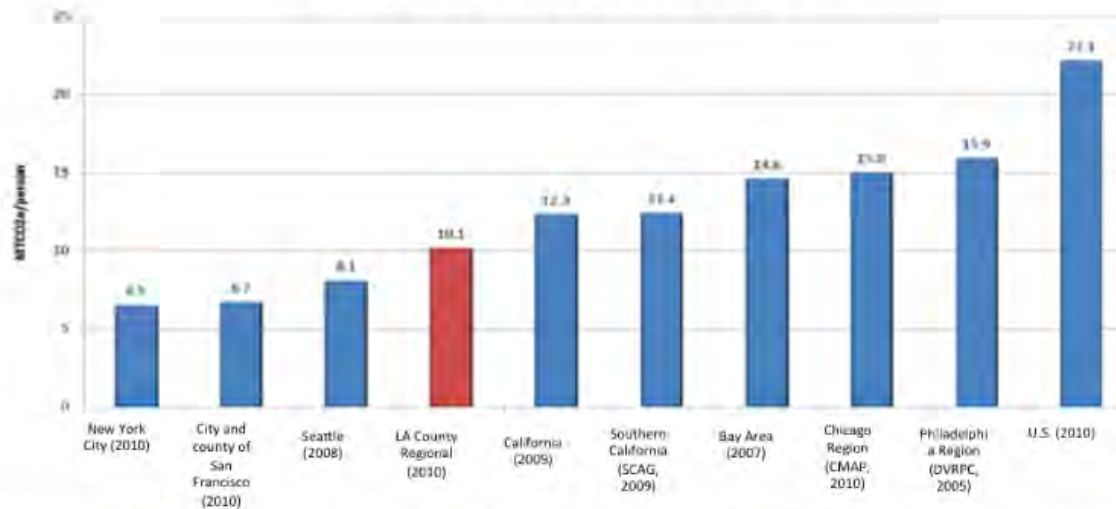


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LAC Community Greenhouse Gas (GHG) Inventory

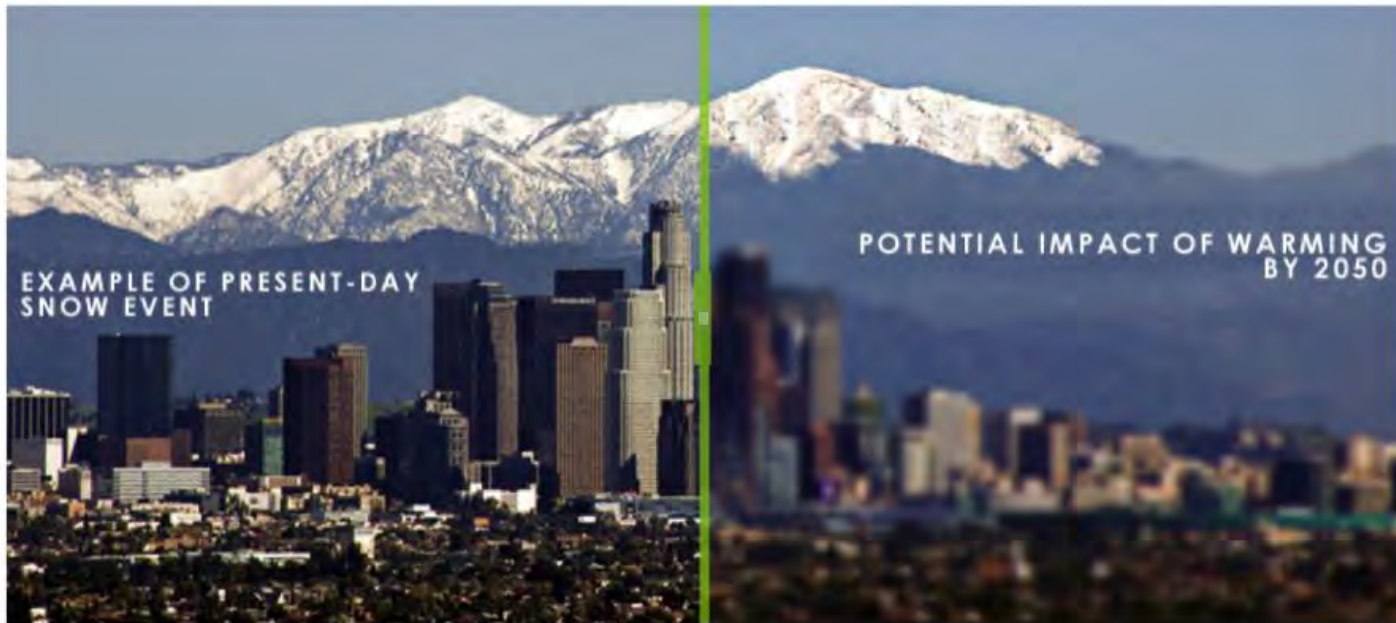
LA County Regional Per-Capita Emissions
Compared to other Cities and Regions



In partnership with Los Angeles County Internal Services Division Office of Sustainability, recently released 2010 community GHG inventories for every city in LA County. These data serve as a baseline and starting point for critical climate action planning work that must occur throughout the region to comply with the mandates set forth in AB 32.



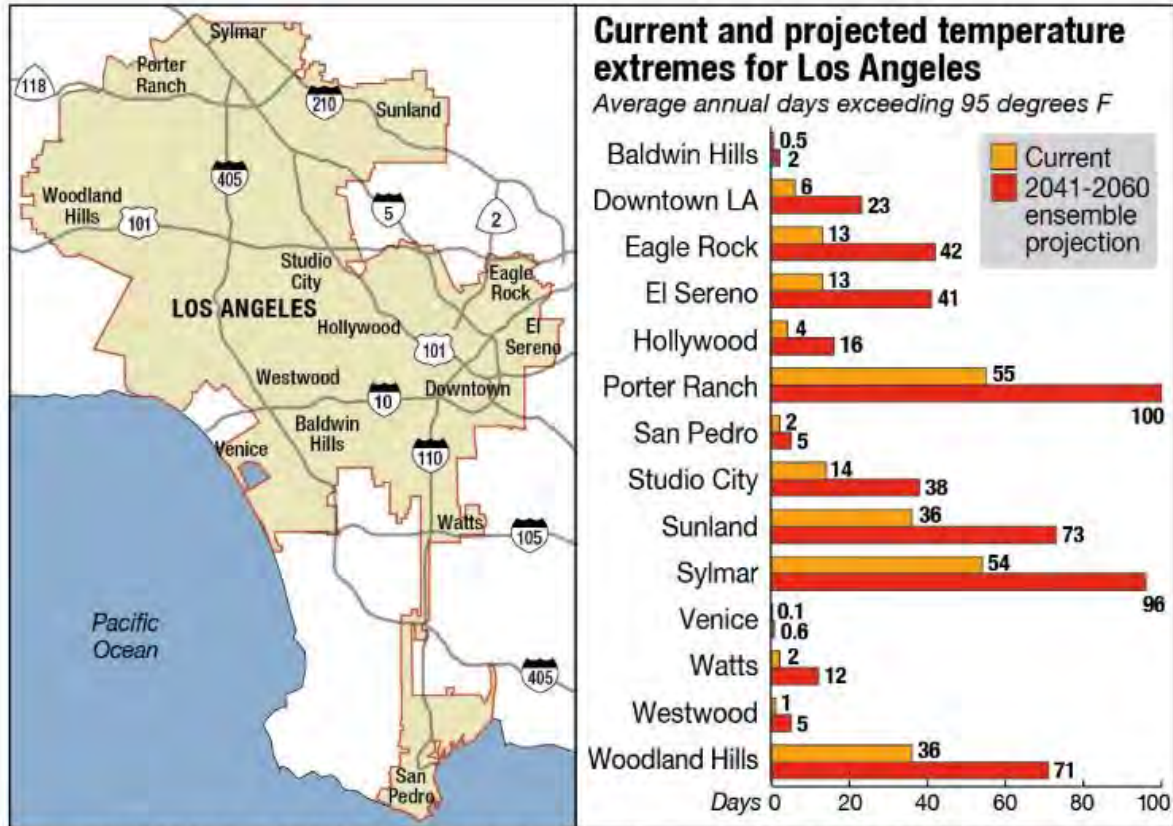
LA's Climate Future



Dr. Hall's climate modeling is used to understand the forces shaping climate at the Los Angeles regional scale.



From UCLA's LARC Study, 2012



Source: UCLA LARC study, 2012; chart based on the mean/average projected by the 18 climate models

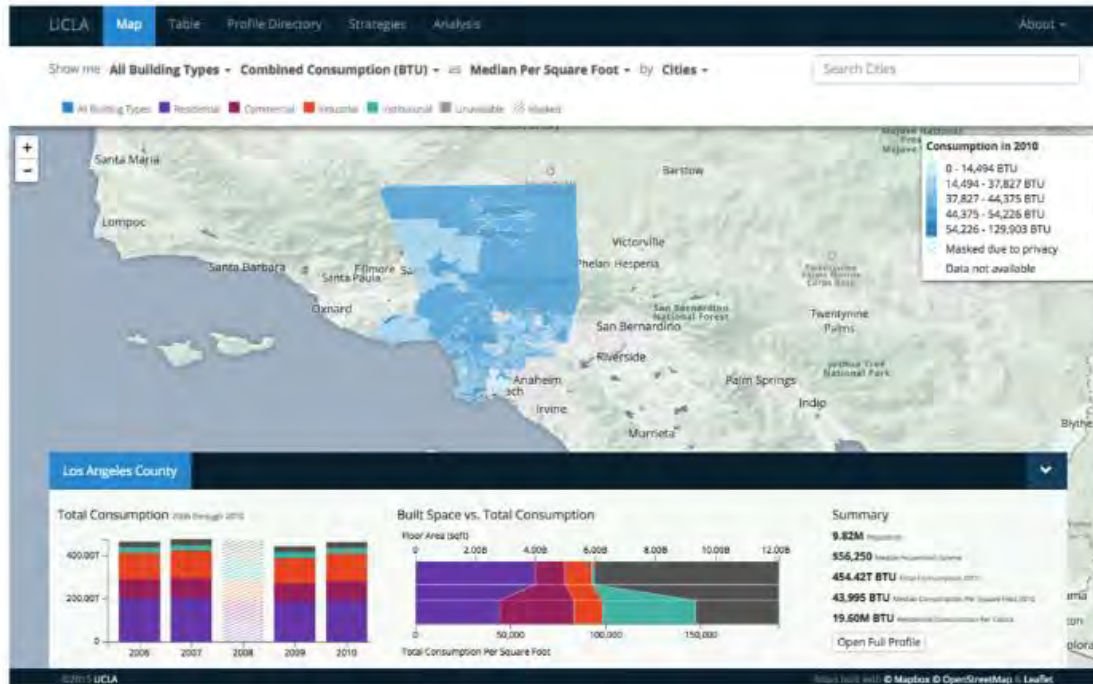


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Provides knowledge, data, and tools to improve decision making related to energy and GHG reductions.



A flexible and responsive research platform

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Useful for the State of CA, agencies, local government, utilities, and researchers



And our biggest project...

A Greater LA: The Framework for Climate Action & Sustainability

WHAT

A practical and place-based resource to support effective climate action planning

WHY

To minimize the burden of mandates, while maximizing the effectiveness of action

WHO

By practitioners for practitioners

With the help of the Strategic Growth Grant...



California Strategic Growth Council



ENERGY



TRANSPORTATION & LAND USE



WATER



PUBLIC HEALTH



OCEAN & COASTAL RESOURCES



EMERGENCY SERVICES



FORESTRY, BIODIVERSITY, & HABITAT



WASTE MANAGEMENT



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The Framework will include:

State of the Region

Priorities and Actions

Tools & Trainings

Implementation Strategies

& Best Practices Compendium



Provide State of the Region Assessment

Analyze GHG inventories
Climate science
State & local policies
local/regional plans

Create Tools and Trainings

Begin building a coalition to implement actions through information sharing and collaborations

Identify Region Specific Priorities

Based on best available science and existing policy

Build Support

Evaluate Implementation Strategies

Analysis of governance, funding, and financing structures

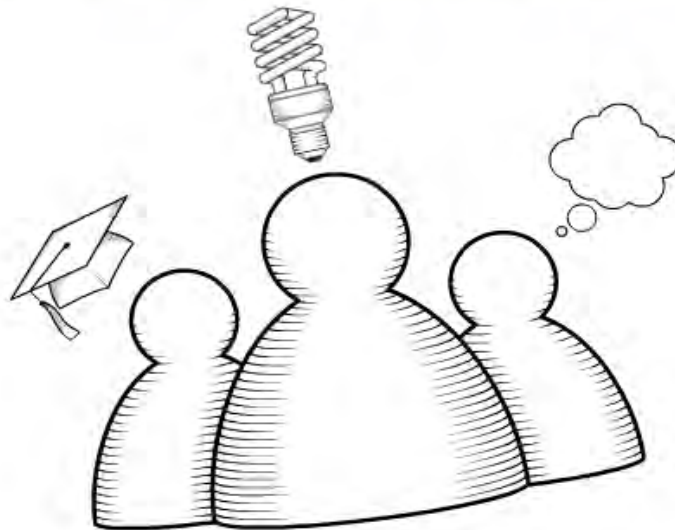
Recommended Actions

Actions to achieve resiliency, especially actions with multiple benefits



So why collaborate?

Because conversations matter.



Thank you.

LARC

Los Angeles Regional Collaborative
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larc@ioes.ucla.edu



LARegionalCollaborative.com



[@The_LARC](https://twitter.com/The_LARC)

