

Presented by







VoLo Foundation

www.volofoundation.org

VoLo Foundation accelerates change and global impact by supporting science-based climate solutions, enhancing education, and improving health. The organization develops, shares information, data and facts utilizing original research and analysis, in collaboration with philanthropic as well as academic partners. VoLo Foundation brings a positive change in the world supporting science oriented climate partners.





Sustainability Inititatives

www.sustainable.ucf.edu

UCF's Sustainability Initiatives is an environment where ideas are freely shared, partnerships are formed and solutions are uncovered in the pursuit of environmental, economic, and social sustainability.

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#climatecorrection2019







Venue Map

UCF Student Union 12715 Pegasus Drive, Orlando, FL 32816



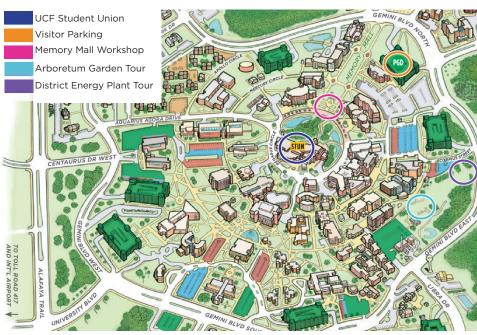


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Conference Aims

What is Climate Correction?

Climate Correction aims to educate and arm the public with data about climate change, and to empower each individual to take strides towards a more renewable, sustainable future. This year we expanded our aim to acknowledge and discuss how the solutions shared at Climate Correction tie into the global Sustainable Development Goals (SDGs). Throughout the conference, you will learn how current work compliments the SDGs as well as have a chance to dive deeper into the SDG(s) that speak to you by following the SDG key in our breakout session menu.

SUSTAINABLE GALS DEVELOPMENT







































Engagement and Art Expo

Have Direct Involvement with Current Climate Solutions

Want to get involved in climate solutions, but don't know where to start? The Climate Correction (CC) Engagement and Art Expo is your answer. Join us at the CC2019 Expo, where you can engage in current conversations and resolutions with leading organizers, researchers, and businesses. Discover where your skills are needed and sign up to participate and accelerate real-world climate solutions, all this while finding inspiration for a sustainable future among the works of local artists.

VISTA Award

Student Showcase

The VoLo VISTA Award is specifically for students who display exemplary leadership, along with Vision, Innovation, Sustainability, Technology, and Adaptation in climate solutions within the State of Florida. Audience members will assist VoLo's Founders in determining which project best drives positive change in climate solutions. The University affiliated with the winning project will receive a \$10,000 gift from VoLo, to help the student(s) grow the project's efforts.









Agenda

Thursday, October 3rd, 2019 at the University of Central Florida 2nd Annual Climate Correction Conference

8:00AM - 9:00AM

Registration and Breakfast

9:00AM - 9:35AM

Opening Ceremonies

9:35AM - 10:05AM

Master of Ceremonies Chris Castro

Are We Experiencing A New Normal With Extreme Weather?

13

With every hurricane or heatwave, an inevitable question looms about whether it was "caused" by climate change. Using the lens of recent events, Dr. Marshall Shepherd will explore a contemporary understanding of linkages between climate change and extreme weather. During his synopsis of what is known in the climate science community as attribution, he will also suggest a better way to frame question connecting climate change and extreme weather.

10:05AM - 10:30AM

Implications of Environmental Policy

Policy decisions control whether we have clean water, breathable air, and a sustainable climate. Sebastian Eastham and Jennifer Morris will cover recent research at MIT into the human consequences of those decisions.

10:30AM - 10:45AM

Break

10:45AM - 11:45AM

Farm-to-Atmosphere: Visions of Zero Hunger and Climate Action

2

Right now, agriculture generates an estimated 25% of annual greenhouse gas emissions, according to the WRI. That quarter percent combines food production and the land-use changes associated with farming, such as clearing vegetation and plowing. If current trends continue, but agricultural productivity does not increase beyond 2010 levels, what will happen to humanity and the growing price of healthy food? These experts share visions of a world where food scarcity does not exist, and meat production is no longer a leading cause of deforestation and greenhouse gas emissions. Presented by Jack Beuttell featuring Ernie Shea, Lee Perry, Maggie Monast and Mamta Mehra.

11:45AM - 12:45PM

Buffet Lunch

We are committed to making environmentally- and socially-responsible decisions in all aspects of our event and catering services. We are pleased to offer a delicious vegetarian lunch menu featuring locally-sourced ingredients. We've also accounted for vegan and gluten-sensitive needs.

400	6:00PM	CC Engagement and Art Expo Closes	40
	5:00PM	Closing Remarks	
	4:30PM - 5:00PM	Keynote - Climate Change and the Global Community Journalists have a huge responsibility to inform the communities accurately and rigorously about what is happening to our planet. Join Emmy award-winning journalist and director of "Planeta Tierra" from Noticias Telemundo Vanessa Hauc, as she shares the state of our changing planet and why today more than ever it's vital that each of us contributes to the creation of a sustainable future, regardless of the place where we work. Vanessa will share her experiences, covering the impacts of climate change around the world as well as the solutions that have been implemented today to solve the climate crisis.	
***	4:25PM - 4:30PM	Award Presentations VoLo VISTA Award Presented by Thais and David Vogel; Climate Correction Artist Awards Presented by David Norvell	
	4:15PM - 4:25PM	Set Your Goals VoLo Foundation Trustee and Co-founder, Thais Lopez Vogel, gives a compelling insight into how empowerment and actionable steps to set goals can achieve measurable and meaningful results.	
	3:45PM - 4:15PM	Break	
	2:45PM - 3:45PM	Session B See more information on page 9	
1	2:15PM - 2:45PM	Break	
	1:15PM - 2:15PM	Session A See more information on page 8	(3, 7)
tall	1:00PM - 6:00PM	Climate Correction Engagement Expo Opens	
	12:15PM - 12:45PM	VoLo VISTA Award Presentation (lunch session) The first annual VoLo VISTA Award is specifically for students who display exemplary leadership, along with Vision, Innovation, Sustainability, Technology, and Adaptation in climate solutions within the State of Florida. VoLo invited three finalists to present their ideas today to all of you. Audience members will assist VoLo's Founders in determining which project best drives positive change in climate solutions. Afternoon session announcements	
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Breakout Sessions

Session A

1:15PM

13 16

Climate Justice Beyond Global Carbon

Case Study - Sand Key 220

China, India, and the US are some of the most abundant greenhouse gas emitters globally, especially to these harmful refrigerants. Natural Resources Defense Council's Senior Strategic Director for Climate & Clean Energy shares his accounts of the challenges and triumphs to do the world justice through legislation.

Presented by: David Doniger

6 14

H20 and the Economy

Panel - Garden Key 221

Florida is one of the top five states where the ocean economy is a driving factor for economic success; including tourism, construction, living resources, and more. As stated by Florida's newly elected Governor, "Our water and natural resources are the foundation of our economy and our way of life in Florida." Presented by: Dr. Thomas Wahl - Featured Panelists: Erin Rothman, Jon White, Dr. Lisa Chambers, Dr. Sandra Whitehouse

10 13

Activate Your Activism

Panel - Pegasus Ballroom

Now more than ever, it's vital that we all be climate activists - doing everything we possibly can to effect positive change. Advocacy within and outside of existing system plays a crucial role in moving solutions forward. Presented by: Rick Christie - Featured Panelists: Anna V. Eskamani, Benjamin Backer, Elisabeth Soto, Solemi Hernandez



A High Impact Grey Infrastructure Solution

Tour - District Energy Plant IV

Grey infrastructure includes the pipes, pumps, ditches, and detention ponds engineered to manage stormwater. Take a tour of the UCF's new District Energy Plant to see how environmental-focused upgrades in grey infrastructure can play an essential role in water and energy management.

Presented by: Saul Santiago



Climate Connections

Workshop - Egmont Key 224

This interactive workshop will allow you to experience climate action through the eyes of someone else. Assume a new identity as you step inside this classroom and find out how your unique skills and characteristics can bring positive change in the world.

Presented by: Caroline Lewis and Nicole Salzberg



Your Low-Carbon Lunch

Workshop - Memory Mall

So you are concerned about climate change? Well, now that you've changed your lightbulbs, it's time to change your lunch! A fun cooking demonstration shows you can eat for your health and the health of the planet. *Please note due to UCF food safety policy this session is for UCF students and employees only.

Presented by: Grace Ebner and Megan Case

Session B

2:45PM

Climate Crisis in Florida, Prevention and Response

11 13

Case study - Sand Key 220

As the injection of greenhouse gases into the atmosphere continues unabated, Florida is already facing an accelerating climate crisis with economic and social consequences. A discussion of mitigation strategies and preparedness prioritization will follow a review of the top climate hazards facing Florida. Presented by: John Morales

Putting Your Education to Work

4 8

Panel - Garden Key 221

Helping the environment while building a career in what may seem like a noneco-friendly field can confound even the most educated and brilliant minds. These career experts will share their journeys as well as recommendations and information for how to merge climate solutions into your career goals. Presented by: Chris Castro - Featured Panelists: Josephine Balzac-Arroyo, Luke Gray, Dr. Peter Jacques, Rachel D. Wilson

The Health Disparities of Climate Change

Panel - Pegasus Ballroom

Examine how social and health inequalities shape the health impacts of climate change globally and locally. Learn about the implications for climate change adaptation and health care provision, while identifying how social justice plays a role. Presented by: Dr. Lauren Padilla - Featured Panelists: Andy Stevenson, Dr. Ava Holt, Dr. Cheryl Holder, and Dr. Mark Dickie

Emissions vs. Hyper-local Agriculture

Tour - Arboretum

Did you know gardens can support the movement to eat locally and to grow food organically while mitigating our food footprint? Take a tour through the community garden at UCF's Arboretum to learn how the university is reducing carbon emissions and building community partnerships for green solutions. Presented by: Jennifer Elliott, Kelsie Johnson, and Zachary Prusak

The Economics of Nature-based Solutions

Workshop - Cedar Kev 223

When applied strategically and equitably, nature-based solutions can not only safeguard biodiversity and ecosystems but also help people adapt to climate change. Gain insight into the merits of so-called 'green' solutions, including the restoration or rehabilitation and protection of natural habitats. Presented by: Catherine Macdonald

Storytelling for Climate Change



Workshop - Egmont Key 224

Investigate the influence of human values on beliefs and concerns around climate change. This workshop will guide participants through the basic steps of storytelling, while also deepening your understanding of how to engage your circle of influence and even strangers in climate change action. Presented by: Carlos Zegarra

Speakers & Panelists

For a full view of our 2019 Speaker and Panelist biographies, scan the QR code with your smart phone camera.





Andrew Stevenson

Environmental Advisor, VoLo Foundation

Andrew has over 20 years of experience working for investment banks in London and Tokyo and eight years as an advisor to and employee of, the National Resources Defense Council. He has served as an advisor to ClimateWorks

on the topic of impact investing and speaks on issues related to climate finance.



Anna V. Eskamani - MPA, MNM

State House Representative (D-47), Florida House of Representatives

Anna is an Orlando native and daughter of working-class immigrants from Iran. On Nov. 6, 2018 Anna was elected to serve House District 47,

flipping a legislative seat, and becoming the first Iranian-American elected to any public office in Florida.



Ava Holt - DrPH, MS

Postdoctoral Scholar/Evaluation & Epidemiology Specialist, Florida State

Ava evaluates the implementation process and health outcomes of climate adaptations and interventions of local health departments. She has a Doctorate in Public Health and a Master's in Environmental Health. Ava's research interest is at the intersection of health equity, climate change and environmental justice.



Benjamin Backer

President and Founder, American Conservation Coalition

Benji serves as President of a nonprofit focused on free-market, limitedgovernment environmental reforms. He is a fellow at the Chapman Center in Seattle and on the Advisory Board of the Wisconsin Conservative Energy Forum.



Carlos Zegarra

Executive Director, Sachamama

Carlos is a biologist whose research helped him notice the lack of information available to the Latinx community. Currently, he is the executive director of Sachamama, an organization working to bring a 100 percent clean energy economy and sustainable lifestyles to Latinx communities.



Caroline Lewis

Founder and Senior Advisor; Independent Consultant, The CLEO Institute; Caroline Lewis Consulting

As an independent consultant, Caroline advances leadership, strategic plans, and program design. Her service roles include: the National Environmental Education Advisory Council; Miami-Dade Executive Board for Science Curriculum & Instruction; White House Summits on Climate & Energy and Women & the Environment.



Catherine Macdonald - M.Sc.

North America Natural Climate Solutions Director, The Nature Conservancy

Catherine leads TNC's efforts to mitigate climate through natural and working land strategies. In 2005, Catherine received the Environmental Law Institutes National Wetlands Award for Conservation and Restoration.



Associate Professor and Co-Chair, Herbert Wertheim College of Medicine. Florida Clinicians for Climate Action

Cheryl has devoted her career to underserved populations, focusing on teaching the impact of social determinants on health outcomes, addressing diversity in health professions and the health impact of climate change. She also serves as President of the National Medical Assn. Florida State Medical Association.



Chris Castro - LEED GA, CPB

Director of Sustainability & Resilience, City of Orlando

Chris develops policies & programs to advance the city of Orlando's sustainability, energy, & climate action goals. Chris is president and founder of IDEAS For Us, a UN-accredited nonprofit working to incubate and fund projects that advance the Sustainable Development Goals.



David Doniger

Senior Strategic Director, Natural Resources Defense Council

David helped devise the Montreal Protocol, an international agreement designed to stop depleting the earth's ozone layer, and several amendments to the Clean Air Act. He has worked in the White House Council on Environmental Quality and the U.S. Environmental Protection Agency.



David Norvell

Assistant Vice President, UCF Sustainability Initiatives

In the last decade, David has served as Director of the Department of Sustainability and saved the university more than \$14M in energy efficiency projects. In 2015, David was appointed Assistant Vice President of UCF Sustainability Initiatives where his true passion lies.



David S. Vogel

CEO/Chief Scientist, Voloridge Investment Management

David is a world-renowned data mining and predictive modeling expert. Having won numerous data science awards, he has earned international recognition for his predictive modeling accuracy. David currently serves as Board Member to Environmental Defense Fund, JUST Capital, and Amplio.



Debra Reinhart - Ph.D.

Associate VP for Research and Scholarship, University of Central Florida

Debra is a member of the Civil, Environmental and Construction Engineering Department. Her research area is solid waste management, with a focus on optimized waste collection and sustainable operation of landfills.



Elisabeth Soto

Digital Marketing and Communications Senior Manager, Climate Nexus

Elisabeth holds certifications in marketing automation, data analytics, and front-end web development. Her passion is exploring the intersection of climate and faith which led to her launching C4 | Christians Concerned About Climate Change, a non-partisan group engaging in environmental stewardship.



Erin Rothman

CEO, StormSensor Inc.

Recognizing a need for innovative data capture in the stormwater industry, Erin founded StormSensor with the objective of creating intelligent wastewater infrastructure using patented sensors and real-time analytics.

Ernie Shea

President; Project Facilitator, Solutions from the Land; Florida Climate Smart Agriculture Work Group

Ernie is President of a not-for-profit organization that incubates and supports farmer-led, multi-stakeholder platforms that inspire, educate, and equip agricultural partners to innovate and lead efforts to sustain productivity, enhance climate resilience, and contribute to local and global goals for sustainable development.

Grace Edner

Accounts Manager, We Are Neutral

Grace is a University of Florida alumna with undergraduate degrees in Sustainability Studies, Business Administration, and Environmental Science. She is passionate about environmental education and strives to further engage students with actionable ways to combat climate change.

Jack Beuttell

Co-founder & Board Member, Kunoa; COO, Indrio Brands

Jack is a Co-founder of Kunoa, a vertically integrated Hawaii beef company. He was raised in Florida, where his family began farming citrus in the 1960s. Jack returned to Florida in 2019, taking a position as COO for Indrio Brands, a holding company with assets in the citrus arena.

Jennifer Elliott

Program Director, UCF Arboretum and Natural Resources Programs

Jennifer completed both her B.S. and M.S. at UCF with a focus on marine turtle biology, ecology, and conservation. She is responsible for all research and educational initiatives and fostering an inclusive environment that

supports human connections with ecosystems and landscapes.

Jennifer Morris - Ph.D.

Research Scientist, MIT Joint Program on the Science and Policy of Global Change

Jen's research focuses on energy-economic modeling, environmental policy analysis, decision-making under uncertainty and linkages between human and natural systems. She develops integrated economic and climate scenarios, explores technology and mitigation pathways, and examines multi-sector dynamics.

John Morales - CBM, CCM

Chief Meteorologist, WTVJ NBC6-TV

John is the longest tenured broadcast meteorologist in South Florida, serving as a reassuring television presence for nearly three decades. He is accredited by the American Meteorological Society as a Certified Consulting and Broadcast Meteorologist, and has won four Emmy Awards.

Jonathan White - RADM (ret.)

President & CEO, Consortium for Ocean Leadership

Maggie Monast works with farmers, food companies, agricultural organizations and others to create an agricultural system that drives climate stability, clean water, and food security. Maggie works to quantify the farm financial impacts of conservation practice adoption, collaborates with major corporations.



Josephine Balzac-Arroyo - Esq., LL.M.

Assistant Professor, Rollins College

Josephine is a licensed attorney admitted to practice in Florida and the U.S. District Court, Middle District of Florida. She was recognized by U.S.

Representative Darren Soto as a community leader as a part of Hispanic Heritage month. She also served her community as the former Vice President of the Board of Directors for IDEAS For Us and is now currently serving on the Advisory Board.



Kelsie Johnson

Coordinator, UCF Arboretum

As an undergrad, Kelsie worked with the UCF Marine Turtle Research Group on the Archie Carr Wildlife Refuge during the summers from 2014-2016. Kelsie is very dedicated to engaging and educating students on the importance of the sustainable growth of food and natural systems.



Lauren Padilla - Ph.D.

VoLo Data Science Fellow, Environmental Defense Fund

Lauren analyzes air pollution monitoring datasets to understand localized patterns of exposure and sources of emissions in the context of reducing emissions and improving human health. Her work involves development of scalable, automated tools that lower barriers to large data analysis for researchers.



Lee Perry

Chief Operations Officer, Fleet Farming

Throughout her life, she was raised in the garden and plans on dedicating the future to her passion occupation as the Fleet Farming Director. With this position, she is immersing herself in various communities while spreading the mission of minimizing the ecological footprint of the agriculture industry by converting lawns into micro-farms.



Lisa Chambers - Ph.D.

Assistant Professor, University of Central Florida

With a secondary joint appointment in the National Center for Integrated Coastal Research, Lisa specializes in wetland biogeochemistry. Focusing on the role of soils in storing and transforming carbon, she has helped us understand how sea level rise is altering coastal carbon dynamics.



Luke Gray

Engineer, MIT

Through SOScarbon, Luke makes an effort to bring more efficient collection and disposal technologies for sargassum seaweed to the Caribbean. Their system rids Caribbean coastline of rotting sargassum, improving tourism, human health, and coastal ecology.



Maggie Monast

Senior Manager - Agricultural Sustainability, Environmental Defense Fund

Maggie works with farmers, food companies, agricultural organizations and others to create an agricultural system that drives climate stability, clean water, and food security. She works to quantify the financial impacts of conservation practices and develops financial incentives to advance sustainable agriculture.



Mamta is responsible for modeling various land use and food sector solutions. She has developed conceptual outlines for characterization of resource management for sustainable agriculture and resource use in semi-arid regions of India.



Mark's major fields are environmental and health economics. His research focuses on estimating economic benefits of reducing environmental risks to human health; understanding how people perceive environmental health risks; and examining the effects of actions that people take that affect the risks they experience.

Marshall Shepherd - Ph.D.

Georgia Athletic Association Distinguished Professor and Director, Atmospheric Sciences Program, University of Georgia

Marshall is a leading international expert in weather and climate. He was the 2014 President of the American Meteorological Society, the nation's largest and oldest science society in atmospheric and related sciences.

Megan Case

Nutrition and Outreach Coordinator, Wellness & Health Promotion Services UCF

Megan has a degree in Dietetics and Consumer Food Science from the University of Georgia. She works in the Wellness & Health Promotion

Services Department at UCF. As the Nutrition and Outreach Coordinator, Megan is involved in teaching life skills around nutrition and meal preparation to UCF students.

Nicole Salzberg

Programs/Communications Coordinator, VoLo Foundation

Nicole serves the VoLo Foundation, bringing sustainability experience as a LEED Certified Green Associate and a decorated work history with several environmental and sustainability businesses and non-profits.

Peter Jacques - Ph.D.

Professor, UCF, School of Politics, Security, and International Affairs & National Center for Integrated Coastal Research

Peter is an Earth Systems Governance Senior Fellow and the President of the Association of Environmental Studies and Sciences for 2018-2020. He has written five books on environmental politics and published many academic research articles.

Rachel D. Wilson, MSSA

Senior Associate, Global Portfolio Manager, Graduate School of Public Service

Rachel manages the portfolios of Echoing Green's Global Fellows and has over a decade of experience working in both the public and private sectors

where she helped her clients to develop sustainable strategies to amplify their impact.

Rick Christie

Editorial Page Editor, The Palm Beach Post; Project Collaborator, The

Over 37 years, Rick has had a varied newspaper career that has taken him from Beijing to Washington to West Palm Beach to Havana -- and back. His latest project, The Invading Sea, has won state and national awards for raising awareness about the threat of sea level rise to South Florida.



Sandra is a consultant who advises clients on ocean policies focused on how to advance ocean health and sustainably develop coastal and offshore projects. She holds a B.S. from Yale University and a Ph.D. from the Graduate School of Oceanography at the University of Rhode Island.



Saul Santiago

Production Manager, UES-Chilled Water Production

Saul is responsible for the university's Chilled Water production plants. Coming to UCF from the U.S. Air Force, where he was in charge of Air Refueling flight simulation, C-141 and C-5 flight simulators.



Sebastian Eastham - Ph.D.

Research Scientist, Massachusetts Institute of Technology

Sebastian works to understand the effects of our emissions, using global-scale climate and air quality modeling. This has covered topics such as the effects of aircraft emissions on the ozone layer, the public health risks of geoengineering, and the side-effects of agricultural waste burning in rural India.



Solemi Hernandez

Southeast Regional Coordinator, Citizens' Climate Lobby

Solemi is currently enrolled as a Political Science student at FGCU and volunteers with several organizations advocating in Florida for the environment and the Everglades restoration.



Thais Lopez Vogel

Trustee, VoLo Foundation

While in her native Venezuela, Thais worked for Petroleos de Venezuela Sociedad Anonima, a Venezuelan State oil company and the 39th largest company in the world. She leads VoLo to expand awareness of environmental issues. Her focus is expansive to include childhood education and global health care.



Thomas Wahl - Ph.D.

Assistant Professor, University of Central Florida

Thomas is an Assistant Professor for Coastal Risks and Engineering at UCF, where he is affiliated with the National Center for Integrated Coastal

Research. Through his research he connects various disciplines to better understand and to support the development of sustainable and resilient adaptation strategies.



Vanessa Hauc

Journalist/Sr. Correspondent, Telemundo Network; Co-Founder, Sachamama

Vanessa is an Emmy Award-winning journalist, from social, cultural and political events to natural disasters; she has been a valuable source of information for U.S. Hispanics. Today she is leading the investigative unit

on environmental issues at Telemundo Network "Planeta Tierra".



Zachary Prusak

Central Florida Program Manager/Florida Fire Manager, The Nature Conservancy

Zach supports Conservancy's Florida Fire Team, including the on-site fire leaders and crew stationed at TNC Preserves, and the operations at the Disney Wilderness Preserve and Tiger Creek Preserve. Zach works with conservation groups in order to lead and promote fire training opportunities.

Conference Organizers



Abigail Axelrod

Program Director at VoLo Foundation

Abigail's professional history is decorated with service to nonprofits across fields including education, healthcare, and the arts. Currently, she is Program Director at VoLo Foundation, Director of Climate Correction, and runs Useful Views, a platform aimed at developing philanthropy.



Yara Watson Colon

Sustainability Specialist II, UCF Sustainability Initiatives

Yara accelerates sustainable solutions for operational and academic opportunities at UCF. By providing multi-disciplinary training and engagement opportunities to students, faculty, and staff, she fosters a culture of sustainability on campus that expands to our global community. Yara graduated from the University of South Florida with a Master's in Global Sustainability.

SPECIAL THANKS TO OUR

Partners & Exhibitors























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Citizens' Climate Lobby







