



The LEAP Summit

*February 29, 2020
Stratford Ecological Center
Delaware, OH*



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ACTION FOR
RESILIENCE

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Pole Vaulter

The approach to the bar is everything unless I have counted my steps...hit my markers...feel up to it

I refuse to follow through

I am committed to beginnings or to nothing planting the pole at runway's end jolts me out of sprinting

I take off...kicking in and up...my whole weight trying the frailty of fiberglass never forcing myself trusting it is right to be taken to the end of tension...poised for the powerful thrust to fly me beyond expectation near the peak

I roll my thighs inward arch my back...clearing as much of the bar as I can (knowing the best jump can be canceled by a careless elbow) and open my hands

--David Allen Evans



WELCOME

There are, no doubt, many ways of roaring. As in the roar of anger, when emotions are uncontrolled. As the parent of a 20-year-old young male, I've heard that kind of roar often enough. T-shirt torn open, ready to take on any authority in his way. And there is the roar of so many belligerent politicians and dictators, seeking to suppress all opposition. We've seen enough of that in recent years as well. The roar of voices that seek to overshadow all opposition, refusing to negotiate. Roaring as a way of not listening.

But we're after a different sort of roar, based in the collaboration of many voices working together for change, when ideas are so exciting that they beg for discussion and elaboration, the buzz of conversation seeking as wide a range of viewpoints as possible. The roar of action, deliberation, revision, objections, considerate response and useful compromise. The roar of new worlds being imagined... and built. Of concepts passing over airways and across productive tables. The roar of hives and combs and gathering sweetness. The roar of bees, not of lions.

And there are multitudes of leaps as well. The leap of desperation, when nothing else seems possible, not worrying about a safe landing spot, recognizing that any "elsewhere" is better than "here." Leaps of faith, where we hope that someone, somewhere, might hear us, take to listening, answer back. The leap of intuition, going on hunches, knowing that sometimes something "feels right" before we can exactly say why. "This might work," we hear ourselves saying, for lack of another solution. And maybe we---at various points in our lives, or in the larger history of humanity---have needed bits and pieces of these kind of leaps, depending upon how reasonable one insists on being, or the circumstances at hand. We live in desperate times, and "doing something," rather than nothing, may carry some appeal.

But the ultimate kind of leap we're after, today and in the weeks, months and quickly unfolding years ahead, may be more like David Allan Evans' pole vaulter. A practiced leaping, well-tested of poles, steps and markers. And strategies. We'd like to be sure, no matter how many times we've failed, that this time we're ready to clear the bar. Yes, there is that eventual and necessary letting go of control, knowing there's a pad below, that others are there to pick up the path, if we only reach so high. Just this: we're after a leap commensurate to the task at hand. Risky, bold, stretching us to our limits. Asking of us more than we've ever been ready—or able—to give before. Knowing in many ways, as Naomi Klein and others have made clear, we have no other choice.

Welcome to this LEAP Summit. May the day be filled with such gentle roaring, with ideas and debate, with concepts and plans... and, ultimately, with specific ARCS, rising out of all of our skills and passions, into actions we can track, implement and measure... enough to move the poles...

--Terry Hermesen (for the whole ROAR team)



AGENDA



9:00 a.m. - Gather/register/music / get some food

9:20 a.m. - Announcements – Ingrid Wood

9:25 a.m. - Vision - Terry Hermesen: A Vision for ROAR – Goals for the day

9:35 a.m. - Laurie Anderson, “Breaking News in Climate Science”

9:50 a.m. - Jason Cervenec: “What Local Communities Can Do”

10:00 a.m. - Chris Tavenor, “Carbon Reductions at the Local Level”

10:10 a.m. - Ryan Mooney-Bullock, “Collaboration Works: How a Connected Community Accelerates Progress” (Keynote address)

10:40 a.m. - Break

10:50 a.m. - Small group, World Café-like breakouts on to share opening thoughts about (*see below*)

A. Create some guiding principles for our action plans

B. What are you already doing that fits under ROAR goals/framework

C. Asking “What Would Be Enough?”

D. To address the large challenges before us?

12:00 - Lunch

12:40 p.m. - Brooke White, “As We Plan Actions, How Might Health Issues Help Guide Us?”

12:50 p.m. - Alex Clemetson, “As We Plan Actions, How Keep Equity Front and Center?”

1:00 p.m. - Elizabeth Hixon, Social Activist: “Change and Action from Gifts Rather than Wounds”

1:10 p.m. - Tim Wood, “Funding Mechanisms and Vetting Guidelines”

1:20 p.m. - Breakout “Incubation Teams” shape action plans --see next pages for guidelines--

3:20 p.m. - Report back from breakout groups

3:40 p.m. - Make commitments to 4-5 key initiatives

4:10 p.m. - Ingrid Wood: What’s next? Establishing methods of moving forward

4:20 p.m. - Terry Hermesen: Wrap-up and farewell





THREE LEVELS OF ROAR

1

Convener/Clearinghouse: Seeking a Common Agenda on Climate Change Action

We want to help fill in the gaps between what's already being done and what might be taken further. Our "ask" is: how can we unite to form more collaborative structures, especially ones that reach beyond Columbus to surrounding areas?

- A. Are you willing to contribute to this cooperative regional effort?
- B. What might you or your organization be willing to provide?
 - A representative with expertise for particular task forces?
 - A small contribution of funds to establish a regional office?
 - In-kind contributions, as in GIS expertise for a regional map or tracking mechanisms to establish base-line data analysis?
 - Help with incubating or expanding a particular project to regionalize its effect through collaborative means?

2

Catalyst/Incubator: Helping to Foster Particular Projects of Significance

- A. Develop innovative and inspiring funding mechanisms (beyond grants)
 - Establish an umbrella 501(c)3 non-profit to oversee our efforts
 - Create a Benefit Corporation underneath that non-profit
 - Make use of ecoFIRE strategies to fund regional projects
- B. Work with a wide array of partners to locate/promote what's possible
 - Grassroots regionalization to bring diverse voices to the table
 - Develop the ability to work with individuals and organizations —large and small, from colleges, cities, non-profits, businesses

3

Conveyor/Communicator: Promoting a "Fresh Story" for What is Needed

- A. Fill the "vision gap" to take the above agendas and promote area-wide
 - What we can do, what we are doing and what we must do to raise our response to the necessary level by 2030—per IPCC?
- B. Help track the general progress of this vision
 - Seek resources for data analysis to weigh our current status & long-term progress (accountability & "scale of significance")
- C. Convey to the populace at large this vision—seek buy-in/involvement
 - Stress the needs of the underserved and overlooked
 - Reveal how various seemingly diverse agendas can be united
 - Draw in community support for a more restorative culture and empowerment for local economies/communities



WHAT WOULD BE ENOUGH?

Some further layering of the Climate Crisis that affect any concerted action

Premises:

That the earth is facing a climate emergency more threatening than we'd imagined even five years ago.

That this crisis is more deeply rooted than in the scientific realities alone, but is deeply affected by political and cultural patterns as well.

Any "way out" will need to address all three of those complications. Increased energy efficiency, expanding renewables, better composting, lower car emissions, etc., important as they are, may not result in the kind of cultural and political transformation required.

Scientific Realities	Political Intransigence	Semi-toxic Culture
<p>The earthly crises we face:</p> <ul style="list-style-type: none">• Mass extinction of animals, including huge drops in insect population• Acidification of oceans• Erratic weather patterns <p>-- heavier rains, longer droughts, floods, etc.</p> <ul style="list-style-type: none">• Coastlines threatened• Billions upon billions in restoration costs• Loss of ice accumulation leading to less reliable water supplies for India & China• Melting of the permafrost leading to huge release of methane• Massive wildfires• Flooded/wasted farmland• Climate refugees <p>All seeming to be coming faster than scientists predicted.</p>	<p>Complicated by political realities:</p> <ul style="list-style-type: none">• Political realities—here & around the world--are working against taking charge of the crisis.• Climate treaties having little effect, especially in countries like the U.S., China & Brazil• Thus, carbon emissions going UP, not down, every year• Huge subsidies to fossil fuel companies (according to Paul Hawken, on the order of \$10 million a minute) continue to feed exploration and ever more invasive extraction practices.• Divisive dialogue makes it hard to even talk about solutions <p>So ... all our efforts, no matter how well-intended, pale in the light of this political inaction, in so many places.</p>	<p>Complicated by cultural factors:.</p> <ul style="list-style-type: none">• Consumerist culture keeps expanding—here & around the globe.• As has been calculated, spreading U.S. consumption practices around the globe would require six earths to meet demand for resources• Couple that with increasing divisions between the wealthiest few and the lower classes—people working 2-3 jobs to get by in the U.S., massive student debt, 1 in 5 children in Ohio going to bed hungry, and high U.S. prison population, etc.• Ex: Amazon workers' 10-12 hr days/fired by machine if not fast enough...• Add in the daily stress of our "normal" lives as well.• Is this a culture that can "save the planet"?• Can we ignore these cultural realities as we face the climate crisis?



SPEAKER BIOS

Ryan Mooney-Bullock, Executive Director, Green Umbrella



Ryan Mooney-Bullock has spent the last 20 years working in science and environmental education and environmental policy. A seasoned program manager, educator and communicator, Ryan is most energized when she is helping people make connections between their passions and what is going on in the natural and human worlds around them. While studying Environmental Studies at the University of Chicago and researching at the Center for Neighborhood Technology, she focused on environmental policy, economics and urban sustainability. At Antioch University New England she deepened her understanding of natural systems and how to educate about them, and earned a MS in Environmental Science. She developed and managed the Green Learning Station at the Civic Garden Center during its formative years. She has a lifelong commitment to environmental sustainability and Cincinnati's green hillsides, waterways and vibrant community.

Jason Cervenec, Education & Outreach Director, Byrd Polar Research Center



Jason Cervenec is the Education and Outreach Director for the Byrd Polar and Climate Research Center at The Ohio State University. The diverse outreach portfolio of the Center reaches approximately 12,000 individuals annually and includes programs in cutting edge science, science education, history, and the arts. The most common request for information that Jason receives from the public is on climate change. Jason earned a B.S. in Biology and M.Ed. in Secondary Science Education from The Ohio State University and began his career as a high school science teacher where he taught for more than a decade. During that time, he established two Science Olympiad teams and served as a lead instructor on an Ohio Board of Regents grant to train teachers in Modeling Instruction. In 2010, Jason took part in a Fulbright Teacher Exchange in Mumbai, India where he witnessed firsthand the challenges faced by most of the world's population. Jason and his wife have two children, enjoy hiking, and recently rehabilitated a 1908 house in the Franklin Park area. He leads the Columbus Climate Change Action Plan Task Force and volunteers with Franklin County's Restorative Justice Circles.



SPEAKER BIOS

Laurie Anderson, Ohio Wesleyan University
Botany and Microbiology; Environmental Studies



Laurie Anderson is a plant ecologist and holder of the Morris Family Professorship in Natural Sciences in the Department of Botany and Microbiology at Ohio Wesleyan University. She is also President of the Board of Directors for the Ecological Research as Education Network (EREN). Anderson's research and teaching interests include temperate forest ecology, invasive plants, global environmental change, environmental issues in food production, and developing collaborative ecological projects across small colleges. She leads travel courses on global change in Brazil, Utah and Alaska. In 2015, she was recognized as the Ohio Professor of the Year by the Carnegie Foundation for the Advancement of Teaching and the Council for Advancement and Support of Education.

Chris Tavenor, Ohio Environmental Council



Chris is the OEC Law Center's Staff Attorney, supporting the legal and policy teams in their efforts to ensure clean air, clean water, and clean energy for Ohio. Prior to becoming the Staff Attorney, Chris was OEC's first Law Fellow and a legal intern for the General Counsel from May 2016 to April 2017. Chris studied Philosophy and English at the Ohio State University and graduated from the Ohio State University Moritz College of Law in May 2017.



SPEAKER BIOS

Brooke White, Air Quality Specialist, MORPC



Dr. Brooke White serves as a Senior Air Quality Specialist for a 15 county region with the Mid-Ohio Regional Planning Commission. Her portfolio includes educational marketing and outreach initiatives and technical services in energy and air quality. Previously, she was a fellow in the Department of Energy's Office of Energy Efficiency and Renewable Energy. She holds a PhD in Earth Sciences from the University of Minnesota and B.S. in Physics and Astronomy from the University of Arizona.

Alexander Clemetson, Interfaith Power and Light Environmental Justice Organizer



Alexander Clemetson brings to Ohio IPL an emphasis on the interconnected natures of Race, Ecology, Society, and Justice. With an educational background through a Masters of Arts in Practical Theology that centered around Ecology and Justice, Alexander brings a holistic approach to understanding the theories and direct action needed in this work. During his Master's program at Methodist Theological School in Ohio (MTSO), Alex became heavily involved in the movement for justice throughout Ohio.



SPEAKER BIOS

Elizabeth Hixon, Activist and artist



Elizabeth Marie Hixon is an artist, student of home herbalism, a practitioner of the art of conversation, a public figure, as well as an environmental and social activist. She took time after graduating High School to explore what inspired her, a journey that led her to join the first major gathering of Indigenous Nations at Standing Rock in 2016. On the traditional lands of the Hunkpapa Lakota, she felt the world praying and was initiated into a worldwide movement for human and nature rights. Indigenous leaders like Winona LaDuke, Lyla June, and many other non-Indigenous influencers like The Center for Compassionate Communication, Brene Brown, and Pavini Moray deeply inspired and influenced her to create a vision of a world filled with people focused on spiritual connection and healing while uplifting Indigenous Knowledge, where our meaningful and intentional actions create new ways of life that benefit all.



THE LEAP MANIFESTO

From the creators of THE LEAP MANIFESTO (Canada)

We could live in a country powered entirely by renewable energy, woven together by accessible public transit, in which the jobs and opportunities of this transition are designed to systematically eliminate racial and gender inequality. Caring for one another and caring for the planet could be the economy's fastest growing sectors. Many more people could have higher wage jobs with fewer work hours, leaving us ample time to enjoy our loved ones and flourish in our communities. We know that the time for this great transition is short. Climate scientists have told us that this is the decade to take decisive action to prevent catastrophic global warming. That means small steps will no longer get us where we need to go.

so we need to leap.

This leap must begin by respecting the inherent rights and title of the original caretakers of this land. Indigenous communities have been at the forefront of protecting rivers, coasts, forests and lands from out-of-control industrial activity. We can bolster this role, and reset our relationship, by fully implementing the United Nations Declaration on the Rights of Indigenous Peoples.

*"Small steps will no longer get us to where we need to go.
So we need to leap".*

Moved by the treaties that form the legal basis of this country and bind us to share the land "for as long as the sun shines, the grass grows and the rivers flow," we want energy sources that will last for time immemorial and never run out or poison the land. Technological breakthroughs have brought this dream within reach. The latest research shows it is feasible for Canada to get 100% of its electricity from renewable resources within two decades[1]; by 2050 we could have a 100% clean economy.

We demand that this shift begin now.

There is no longer an excuse for building new infrastructure projects that lock us into increased extraction decades into the future. The new iron law of energy development must be: if you wouldn't want it in your backyard, then it doesn't belong in anyone's backyard. That applies equally to oil and gas pipelines; fracking in New Brunswick, Quebec and British Columbia; increased tanker traffic off our coasts; and to Canadian-owned mining projects the world over.



THE LEAP MANIFESTO

From the creators of THE LEAP MANIFESTO (Canada)

The time for energy democracy has come: we believe not just in changes to our energy sources, but that wherever possible communities should collectively control these new energy systems. As an alternative to the profit-gouging of private companies and the remote bureaucracy of some centralized state ones, we can create innovative ownership structures: democratically run, paying living wages and keeping much-needed revenue in communities. And Indigenous Peoples should be first to receive public support for their own clean energy projects. So should communities currently dealing with heavy health impacts of polluting industrial activity. Power generated this way will not merely light our homes but redistribute wealth, deepen our democracy, strengthen our economy and start to heal the wounds that date back to this country's founding.

A leap to a non-polluting economy creates countless openings for similar multiple "wins." We want a universal program to build energy efficient homes, and retrofit existing housing, ensuring that the lowest income communities and neighbourhoods will benefit first and receive job training and opportunities that reduce poverty over the long term. We want training and other resources for workers in carbon-intensive jobs, ensuring they are fully able to take part in the clean energy economy.

This transition should involve the democratic participation of workers themselves. High-speed rail powered by renewables and affordable public transit can unite every community in this country – in place of more cars, pipelines and exploding trains that endanger and divide us.

And since we know this leap is beginning late, we need to invest in our decaying public infrastructure so that it can withstand increasingly frequent extreme weather events. Moving to a far more localized and ecologically-based agricultural system would reduce reliance on fossil fuels, capture carbon in the soil, and absorb sudden shocks in the global supply – as well as produce healthier and more affordable food for everyone.

We call for an end to all trade deals that interfere with our attempts to rebuild local economies, regulate corporations and stop damaging extractive projects. Rebalancing the scales of justice, we should ensure immigration status and full protection for all workers. Recognizing Canada's contributions to military conflicts and climate change — primary drivers of the global refugee crisis — we must welcome refugees and migrants seeking safety and a better life.

Shifting to an economy in balance with the earth's limits also means expanding the sectors of our economy that are already low carbon: caregiving, teaching, social work, the arts and public-interest media. Following on Quebec's lead, a national childcare program is long past due. All this work, much of it performed by women, is the glue that builds humane, resilient communities – and we will need our communities to be as strong as possible in the face of the rocky future we have already locked in.

Since so much of the labour of caretaking – whether of people or the planet – is currently unpaid, we call for a vigorous debate about the introduction of a universal basic annual income. Pioneered in Manitoba in the 1970's, this sturdy safety net could help ensure that no one is forced to take work that threatens their children's tomorrow, just to feed those children today.



THE LEAP MANIFESTO

From the creators of THE LEAP MANIFESTO (Canada)

We declare that “austerity” – which has systematically attacked low-carbon sectors like education and healthcare, while starving public transit and forcing reckless energy privatizations – is a fossilized form of thinking that has become a threat to life on earth. How we can pay for all of this?

Read *“We Can Afford The Leap”* by Bruce Campbell, Seth Klein, and Marc Lee.

The money we need to pay for this great transformation is available — we just need the right policies to release it. Like an end to fossil fuel subsidies. Financial transaction taxes. Increased resource royalties. Higher income taxes on corporations and wealthy people. A progressive carbon tax. Cuts to military spending. All of these are based on a simple “polluter pays” principle and hold enormous promise. One thing is clear: public scarcity in times of unprecedented private wealth is a manufactured crisis, designed to extinguish our dreams before they have a chance to be born.

Those dreams go well beyond this document. We call for town hall meetings across the country where residents can gather to democratically define what a genuine leap to the next economy means in their communities. Inevitably, this bottom-up revival will lead to a renewal of democracy at every level of government, working swiftly towards a system in which every vote counts and corporate money is removed from political campaigns. This is a great deal to take on all at once, but such are the times in which we live.

The drop in oil prices has temporarily relieved the pressure to dig up fossil fuels as rapidly as high-risk technologies will allow. This pause in frenetic expansion should not be viewed as a crisis, but as a gift. It has given us a rare moment to look at what we have become – and decide to change. And so we call on all those seeking political office to seize this opportunity and embrace the urgent need for transformation. This is our sacred duty to those this country harmed in the past, to those suffering needlessly in the present, and to all who have a right to a bright and safe future.

Now is the time for boldness.

NOW IS THE TIME TO LEAP.



THE 15 DEMANDS: THE LEAP MANIFESTO

From the creators of THE LEAP MANIFESTO (Canada)

1. The leap must begin by respecting the inherent rights and title of the original caretakers of this land, starting by fully implementing the United Nations Declaration on the Rights of Indigenous Peoples.
2. The latest research shows we could get 100% of our electricity from renewable resources within two decades; by 2050 we could have a 100% clean economy. We demand that this shift begin now.
3. No new infrastructure projects that lock us into increased extraction decades into the future. The new iron law of energy development must be: if you wouldn't want it in your backyard, then it doesn't belong in anyone's backyard.
4. The time for energy democracy has come: wherever possible, communities should collectively control new clean energy systems. Indigenous Peoples and others on the frontlines of polluting industrial activity should be first to receive public support for their own clean energy projects.
5. We want a universal program to build and retrofit energy efficient housing, ensuring that the lowest income communities will benefit first.
6. We want high-speed rail powered by just renewables and affordable public transit to unite every community in this country – in place of more cars, pipelines and exploding trains that endanger and divide us.
7. We want training and resources for workers in carbon-intensive jobs, ensuring they are fully able to participate in the clean energy economy.
8. We need to invest in our decaying public infrastructure so that it can withstand increasingly frequent extreme weather events.
9. We must develop a more localized and ecologically-based agricultural system to reduce reliance on fossil fuels, absorb shocks in the global supply – and produce healthier and more affordable food for everyone.
10. We call for an end to all trade deals that interfere with our attempts to rebuild local economies, regulate corporations and stop damaging extractive projects.
11. We demand immigration status and full protection for all workers. Canadians can begin to rebalance the scales of climate justice by welcoming refugees and migrants seeking safety and a better life.
12. We must expand those sectors that are already low-carbon: caregiving, teaching, social work, the arts and public-interest media. A national childcare program is long past due.
13. Since so much of the labour of caretaking – whether of people or the planet – is currently unpaid and often performed by women, we call for a vigorous debate about the introduction of a universal basic annual income.
14. We declare that “austerity” is a fossilized form of thinking that has become a threat to life on earth. The money we need to pay for this great transformation is available — we just need the right policies to release it. An end to fossil fuel subsidies. Financial transaction taxes. Increased resource royalties. Higher income taxes on corporations and wealthy people. A progressive carbon tax. Cuts to military spending.
15. We must work swiftly towards a system in which every vote counts and corporate money is removed from political campaigns.



BIOPHILIA IS A BIG PART OF THE ANSWER

Phipps Conservatory Achieves Highest BREEAM In-Use Rating in the U.S.



Pittsburgh, PA – Phipps Conservatory and Botanical Gardens, a globally recognized green leader in sustainability and BRE Global, a world leading, multi-disciplinary building science organization, today announced that the Center for Sustainable Landscapes (CSL) has been certified using the BREEAM USA standard for existing buildings. The CSL is the first building in the United States to achieve a BREEAM Outstanding rating and the first building certified under BREEAM in the state of Pennsylvania. The achievement will be celebrated with the presentation of a BREEAM plaque and a reception at the Center for Sustainable Landscapes on March 10, 2020 at 10 a.m.

BREEAM was developed in 1990 by BRE Global, the first assessment method for buildings in the world. Today BREEAM is internationally recognized as the most comprehensive and holistic environmental assessment method, with over 2,280,000 registered projects and 570,000+ certified buildings worldwide across 85 countries.

The Center for Sustainable Landscapes (CSL) is a 24,350-square-foot education, research and administration facility at Phipps Conservatory and Botanical Gardens, a public garden attraction in Pittsburgh. Designed and built to generate all of its own energy while treating and reusing all water captured on-site, the CSL is the first facility in the world to meet four of the world's highest green construction standards — The Living Building Challenge, WELL Building Platinum, SITES Platinum and LEED® Platinum — and it now adds the distinctive BREEAM Outstanding In-Use rating to its resume.

“At Phipps, we believe that public gardens have a role to play in mitigating the challenge of climate change, and we believe the answer lies in regenerative thinking that extends to our buildings, programs and operations,” said Richard Piacentini, Phipps’ president and CEO. “The achievement of the BREEAM rating helps us to communicate the value of green building to new audiences while placing us in the company of some of the world’s most innovative sustainable building projects.”

BREEAM In-Use is used to assess and rate the performance of existing buildings around the world. Shamir Ghumra, Director of BREEAM at BRE Global said, “This is a significant achievement and another milestone for BREEAM in America. The Phipps team, working closely with Julia Craighill at Ensign Consulting, have gone beyond best practice and have really set the bar in terms of the BREEAM rating achieved. With so many visitors coming to Phipps every year we hope that this certification will inspire others to do the same.”

- Source: Pittsburgh's Green Story



BIOPHILIA IS A BIG PART OF THE ANSWER

Vía Verde prepares to go international with its high-tech, vertical gardens



Vía Verde's vertical gardens on Mexico City's outer ring road.

A group of young Mexicans who installed vertical gardens along one of Mexico City's busiest roads is preparing to take their urban greening project around the world.

Four years ago, architect Fernando Ortiz Monasterio collected more than 85,000 signatures in support of his company's proposal to install vertical gardens on the columns that support the elevated section of Anillo Periférico, the capital's outer ring road. The Mexico City government agreed to the project – called Vía Verde (Green Way) – and today the commute of motorists who use the road is far less gray than it would otherwise be. The gardens also absorb traffic noise and help to reduce air pollution.

The World Economic Forum this year recognized Ortiz and his team as technology pioneers, which allows them to participate in the international organization's initiatives, activities and events for innovative entrepreneurs. The capital's greening project is going international. The recognition has drawn even more attention to the Vía Verde project, in which architects, urban planners, botanists and gardeners participate.

"We've been invited to replicate this technology not just in Mexico but also in other countries like the United States and some [nations] in South America, Europe and Asia," Ortiz told the newspaper Milenio. "We're drawing up a strategic international growth plan in order to continue giving Mexico a great name," he added.

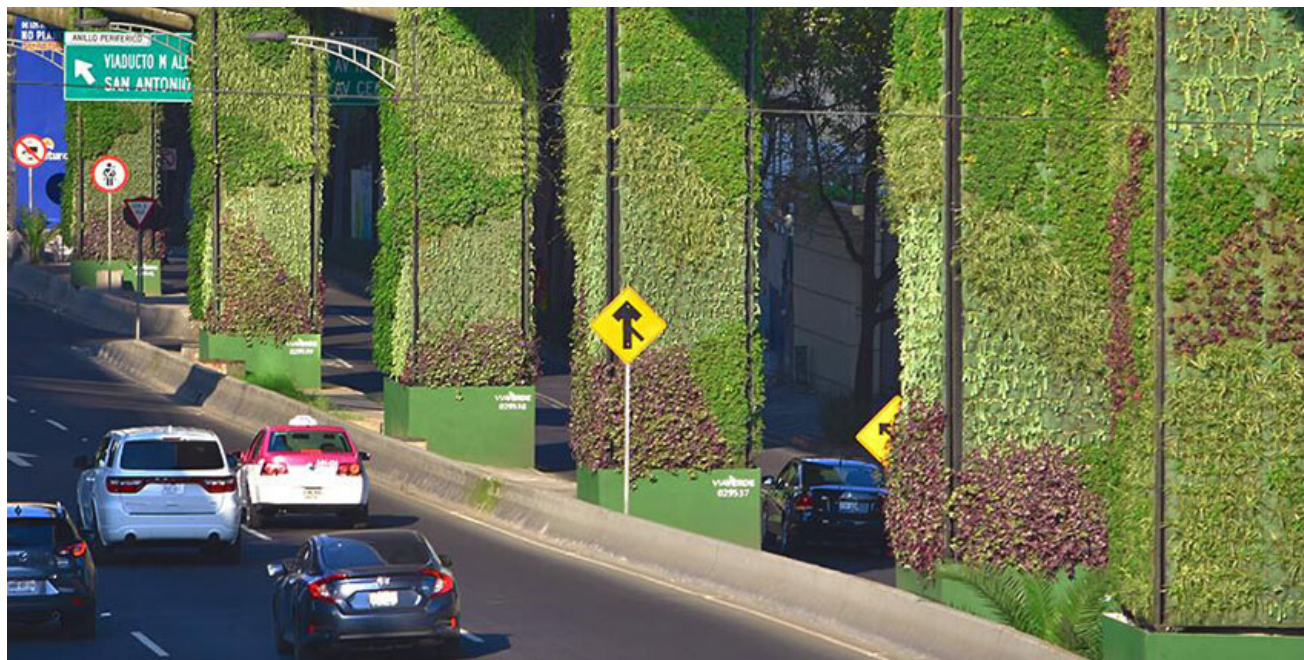
Ortiz said that new vertical garden projects are scheduled to begin in the United States and Central America within the next six months. He expects "significant challenges" in executing the projects but expressed confidence that his team will be capable of meeting them.

Ortiz explained that the Vía Verde project incorporates a lot of patented technology that was developed by young Mexicans.



BIOPHILIA IS A BIG PART OF THE ANSWER

Vía Verde prepares to go international with its high-tech, vertical gardens



50 private companies buy ad space on the columns to fund the project.

"Each [vertical garden] column has sensors that communicate in real time the environmental conditions [related to] water, light, temperature and nutrients. That lets us know remotely, through the internet, what each plant needs," he said.

Ortiz added that each pillar has its own watering system that can be activated remotely, ensuring that all of the plants get the amount of water and nutrients they need on a daily basis.

The Vía Verde project receives no government funding, relying instead on the support of around 50 private companies. In exchange for their investment, they are allocated advertising space that is incorporated into one in 10 vertical garden columns. In addition to expanding overseas, Ortiz said, an additional 800 vertical gardens are planned for greater Mexico City over the next 18 months.

By 2030, the goal is to cover 10 million square meters of space on walls, roofs, bridges and tunnels in the capital with vertical gardens, he said, conceding that even if that target is met, Mexico City still won't be green enough.

"... More than 40 million square meters of new green areas are needed to comply with the minimum recommendation of the World Health Organization," Ortiz said.

The architect is also exploring opportunities to expand the project to other cities such as Monterrey, Guadalajara and Puebla. A total of 250 people are employed directly by the Vía Verde initiative, which also generates 750 indirect jobs.

In addition, 100 people who have been sentenced by the courts to community service make the bags in which 15 different types of plants are placed before they are installed in the gardens.

- Source: Mexico News Daily

**All the things Grandma used to teach**

We offer a variety of hands-on classes in a relaxed and professional setting.

Cooking Parties

Looking for a unique evening with friends? Let us tailor a dinner menu around your group of six or more. Recipes and ingredients are provided; bring your creativity with you. Make the meal together and we will serve and clean up.

Event Venue and Tours

Need an unusual spot to host a party? The Cannery is a great place for weddings, showers, graduations, birthday parties and more. Call for more information.

Catering

Each of our menus is created uniquely for you using the freshest seasonal ingredients available, often grown in our own garden. Pick up or delivered, please call ahead to order.

Corporate Teambuilding

Packages designed around your business needs and goals. We provide a day of activities for 10 to 100 people. Our Cannery dining area is a unique and personal space to host business retreats!

**Artisan Canned Goods**

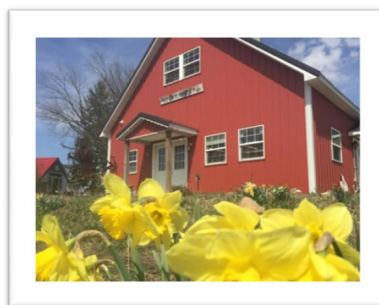
Glass Rooster Cannery offers a full line of specialty canned goods through partnerships with local farmers. Our Food Rescue program keeps ugly produce out of the compost bin by creating unique and delicious canned goods. Find our line at Farmer's Markets, local shops, and of course, at the Cannery.

Kids Cookin' on the Farm Day Camp

Each day your child will pick lunch out of our gardens and orchard and learn to cook something new. Other activities include gardening, foraging for wild foods, and learning about the science, history and ecology of farming.

Weddings and Large Events

Our historical restored barn seats 200 with additional seating available in tents for 150. Outdoor ceremonies welcome! Call to schedule a tour for your farm wedding or other special celebration.

Contact us today to plan your event:

GLASS ROOSTER CANNERY
1673 SOUTH STATE ROUTE 605
SUNBURY, OHIO 43074

614-499-2958

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*Bringing simpler days back to life,
one event at a time.*

Join us in the Glass Rooster Cannery kitchen to experience modern homesteading practices including home preserving, soap making, cheese making, family cooking and more. Bring your small group or tour bus to enjoy a private farm-to-fork meal or event. Create wedding memories in our restored historical barn. Spend the night in our Victorian-style guest home. Take home a special treat from our Country Store.

Walk around the beautiful gardens while learning about sustainable agriculture practices, or relax by the glass bottle mosaic wall enjoying the pond and permaculture around the farm.

GlassRoosterCannery.com

*Conveniently located in the center of Ohio
Only 20 minutes north of Columbus.*

Event Offerings

Look on our website calendar for an array of classes scheduled at the Cannery or form your own custom class experience!

Classes include:

- We CAN! Pressure Canning
- We CAN! Water Bath Canning
- Cooking with Herbs
- Spanish Empanadas and Paella
- Artisan Breads
- Cheese Making at Home
- Gourmet PBJ: Homemade Edition
- Natural Soap Making
- Beyond Sauerkraut: Fermentation for Your Health
- Ta Da! Homemade Bread and Pasta
- Super Soups: The Art of Broth
- Taco Night

+New classes added regularly

Old Hen Guest House

Available new for 2019, Old Hen is a 1920's Sears-Roebuck kit house beautifully decorated in a Victorian era style with full amenities. Three bedrooms, two and a half baths and plenty of space for sleeping up to eight, plus full run of the farm. Why settle for a hotel when you could be at home?

**Tours and Group Rates**

Special rates and activities are available for large groups. Please give us a call at 614-499-2958 or email for details.



For more information go to

GlassRoosterCannery.com

Or call us today!



Fostering an Appreciation for the Land



Who We Are

The Stratford Ecological Center is a non-profit educational organic farm and nature preserve on 236 acres in Delaware County, Ohio. Visitors are welcome to explore the land, hike the 4 miles of nature trails, visit the livestock, tour the gardens and greenhouses or explore the creek, pond, prairie, swamps or State Nature Preserve. Farm products are available for sale seasonally, based on availability. Stratford offers workshops and classes for children and adults, annual festivals, farm tours, school tours, farm camp and family programs.



What We Do

Provides hands-on experiential education for individuals to learn ecological concepts, understand human ecology and gain a reverence for the diversity, complexity and beauty of the natural world.

Manages a diversified working "family farm," which demonstrates the lifestyle, techniques and principles of sustainable agriculture, horticulture and forestry as well as promotes agroecological research.

Strives to preserve the natural ecosystems of existing woods, stream sides, meadows and swamps located on its 236-acre property.



Stratford Ecological Center •

3083 Liberty Road • Delaware, Ohio • 43015

740-363-2548 • info@stratfordecologicalcenter.org

Stratford is open to public: Monday – Friday: 9am – 5pm
Closed: Saturdays, Sundays and Holidays



THE NEW ECONOMICS FOUNDATION

A guide to the 'circular economy'

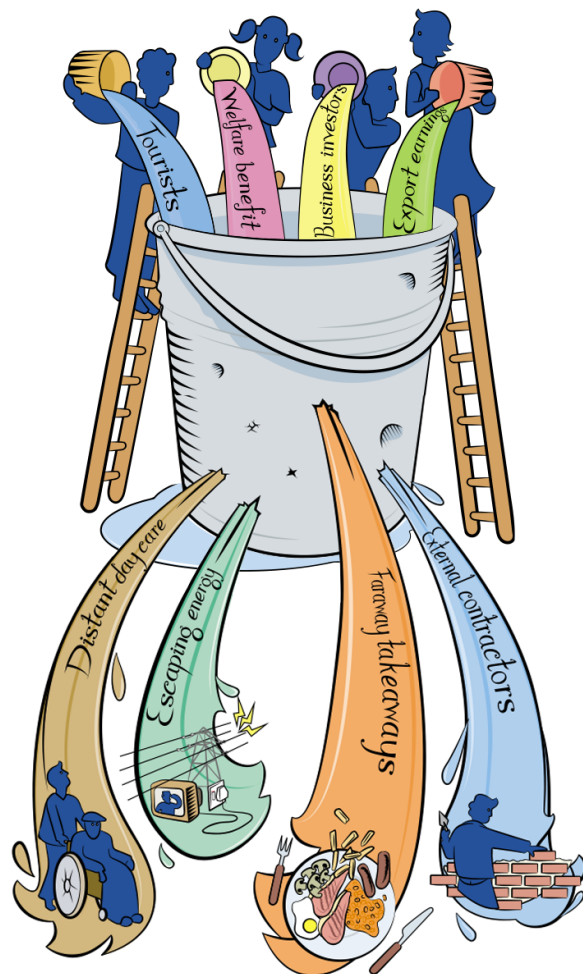
The New Economics Foundation (NEF) first coined the concept of the 'leaky bucket'. It is a simple enough concept (see right). We can visualize our local economy as being like a large bucket into which money flows from salaries, grants, pensions, and other sources, yet in most cases, much of that money pours straight back out again.

Each time we pay our electricity bills to a distant company, we shop in a supermarket or chain shop, we invest in foreign banks because they are offering higher interest rates, we favor imported goods over local ones, our money goes pouring back out through the holes in the bucket, and its potential to make things happen, to generate economic activity and create employment at the local level, is lost.

However, as NEF points out, "every outflow of money is a potential enterprise opportunity".

If we are serious about seeing Transition as a powerful tool for local economic revitalization, we need to develop strategies and models that support and strengthen local economies, rather than adding to the ongoing undermining of local economies which seems to be relentlessly gathering pace around us. But what is so important about local businesses? Why put so much effort into supporting and instigating them?

As NEF puts it: "Local enterprises are more likely to employ local people, provide services to improve the local quality of life, spend money locally and so circulate wealth in the community, promote community cohesion and, by reducing transportation of goods from across communities, are likely to have a smaller environmental footprint".





CLIMATE ACTION VETTING GUIDELINES

This is a draft document with the purpose of developing climate action project vetting guidelines.

ROAR is aiming to support Projects of Significance that are real, additional, permanent, verifiable and enforceable. The projects that ROAR intends to vet will help fulfill or realize ROAR's Vision: "ROAR envisions a decarbonized Upper-Scioto Watershed that is ecologically, economically, socially and bio-regionally just and healthy" as well as mission (execution):

"ROAR fosters collaboration between organizations, agencies and individuals, catalyzes action through existing and new programming, develops innovative funding mechanisms and reports using transparent measurement systems."

To measure IMPACT, we want to develop vetting guidelines that are able to measure (some quantitative, some qualitative) whether we fulfill our vision and mission. In other words, is/does this project:

have a climate impact, if possible a quantitative (carbon, GHG) and qualitative?
ecologically just (not only in the sense of what the project accomplishes, but also how it addresses issues of justice that the project intersects)

improve human and ecological health (qualitative & quantitative)
economically just (qualitative and quantitative):
socially just (qualitative)
collaborative (qualitative)

To create a framework for SUCCESS, the following guidelines are to be taken into consideration (and further developed):

Feasibility

Has the project been executed successfully somewhere else?

Has the project accounted for contingencies and major obstacles?

Funding

Does the project require start-up funding?
What would the project impact specifically, such as:

Cost-savings
Return on investment

Can the project sustain itself over time?

Economically Sustainable

Developing living wage jobs
Efforts to work with underserved and minorities communities

Regional Integration

Can the project be scaled or duplicated around the region?
Can it become embedded in the routine operation of community (city, county, organization, business)?

Population Impact

Does it contribute to understanding, greater engagement, or more sustainable behavior in community?



ACKNOWLEDGEMENTS

Today's LEAP Summit would not have been possible without the collaboration and support of many kind, knowledgeable and generous people. Here is a long, but certainly not exhaustive list. Many thanks to: The ROAR Implementation Team, who have worked at weekly gatherings to seek ways to bring the 501c3, Benefit Corporation, and ecoFIRE strategies into eventual fruition: **Ingrid Wood, Kenny Warren, Tim Wood, and Stefanie Hauck.** You can thank them personally for all their dedication and knowledge as we get ROAR off the ground. None of this would have happened without them.

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Stefanie Hauck, who served tirelessly over the past two years as an unpaid intern for the Central Ohio Communities Project (while working a full-time job and doing a full-time Masters Degree in Sustainability at Chatham University). She also designed this booklet.

Dustin Braden (student, OWU) for this booklet's cover, his keen eye and articulate questions. **John Krieger**, Board Chair for Stratford, for continually standing up for our efforts. **Tim Van Meter** (MTSO) and **Jeff Dickinson** (Stratford Ecological Center), who lifted many a glass of brandy, malt and wine, pondering strategies, doubts and inspiration. **Tadd Petersen** (MTSO and Harvest Consulting Design) and **Kevin Warner** (ecoFIRE) who have put many hours into test-marketing some of our funding strategies.

David Orr (Oberlin), who consulted on various concepts from afar.

And for Institutional Support from:

Stratford Ecological Center, for providing this inspirational location for our Working Summits, three years running... and all free of charge.

Otterbein University, Denison University and Ohio Wesleyan University's Environmental Education Program, for providing the funds for today's lunch. Glass Rooster Cannery of Sunbury, Ohio, for our wonderful lunch!!

And to all of **YOU**, for taking your time to be here... to shape these ideas and projects!!!! And to Bill Walker, musician extraordinaire, who has provided us with welcoming music since the beginning!!



REGIONAL OHIO ACTION FOR RESILIENCE

Working Together to Fight the Climate Crisis

UNIVERSITIES: ENVISIONING SYSTEMIC CHANGE

Design the future: lead shift to a viable world

- Connect to ALL disciplines
- Create campus climate action plans
- Spark infrastructure initiatives
- Internships / Collaborate on research
- Include technical colleges: new jobs
- Work with area schools – project-based learning linked to building the future:

e.g., land-labs, trees, food programs

- Link schools & colleges to local farmers
- Build a regional Small College Coalition

to enhance all of our efforts

LEARNING FROM OTHERS & COORDINATING EFFORTS

What is already being done here... and what is being done elsewhere? How can we benefit by comparing ideas & raising our commitments?

- Apply initiatives from DRAWDOWN, Local Futures and other global plans
- Researching regionalization plans from other areas, including ReAMP, Rural Action, Green Umbrella, and others
- Seeking equity for communities & people most affected by climate change
- Ask: What will be enough to meet the IPCC challenge by 2030?

CHANGES IN OUR FOOD GRID: REGIONAL AGGREGATION

- Help gather various players toward framing a cooperative vision
- Micro-farms, processing plants, support for local farmers, distribution systems
- Crack the “large buyers” conundrum
- Health & wellness initiatives
- Address food deserts & food instability
- Less food waste/more plant-based meals
- Regional composting/[anerobic](#) digesters
- Soil as carbon sink/reducing chemicals
- Training programs for new farmers

ENERGY/TRANSPORTATION GRID: GETTING OFF OF FOSSIL FUELS

- Work with municipalities & colleges → Fossil fuel free by 2025
- Expand ESIDS to all area cities/towns
- Emphasize energy efficiency first, with gradual shift to renewables
- Reduce energy/transport costs for poor
- Reduce use of fracking gas
- Develop regional mass transit / light rail

ROAR = FOSTERING CENTRAL OHIO CLIMATE CRISIS ACTION

- Help enhance what's already here
- Incubate new projects of scale
- Emphasize need for regional efforts
- Create innovative funding mechanisms
- Seek large and small partners
- Serve as a wedge for climate action
- Work to track measurable progress
- Envision a viable earth via cultural transformation

NATURAL AREAS SOLUTIONS : BUILD AN AREA-WIDE RESPONSE

- Develop clearinghouse of methods to transform land holdings large & small into prairies, wetlands, forests
- Fostering communication between our park systems & colleges/communities
- Collaborate on healthy streams & rivers
- Support education—school gardens / expand outdoor ed/ get kids outside



NOTES

use this space to write notes from the day

We stand now where two roads diverge. But unlike the roads in Robert Frost's familiar poem, they are not equally fair. The road we have long been traveling is deceptively easy, a smooth superhighway on which we progress with great speed, but at its end lies disaster. The other fork of the road – the one less traveled by – offers our last, our only chance to reach a destination that assures the preservation of the earth.

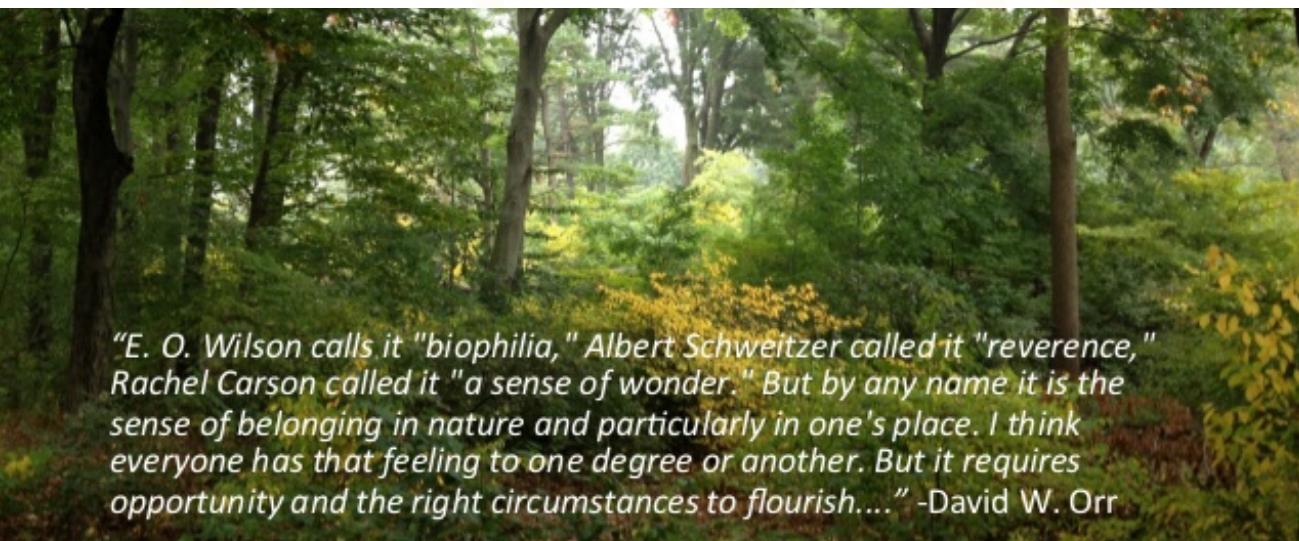
Rachel Carson
Silent Spring





NOTES

use this space to write notes from the day

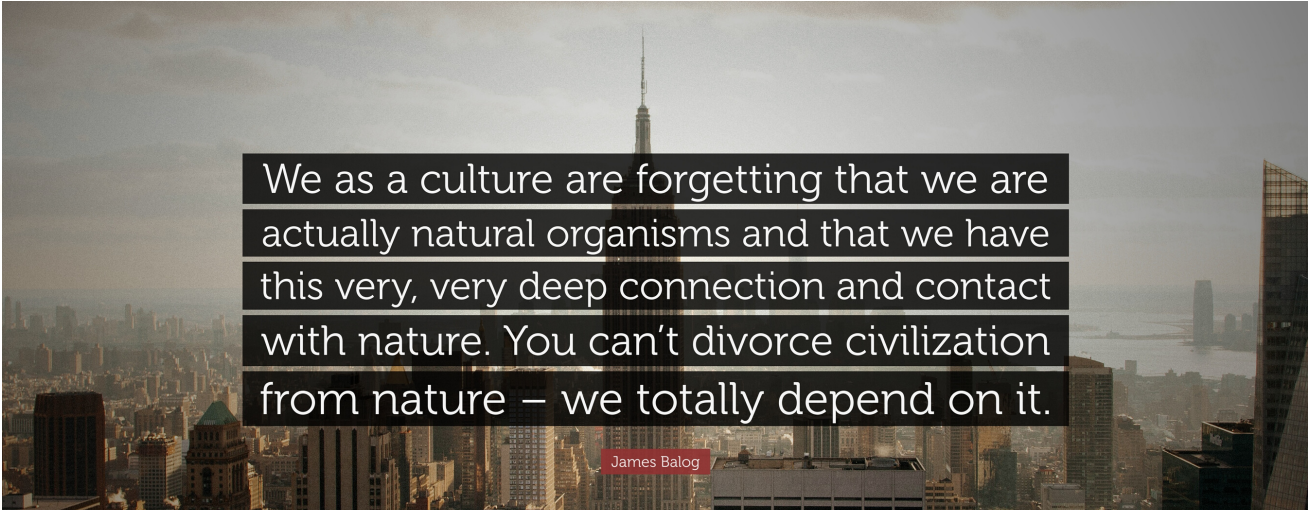


"E. O. Wilson calls it 'biophilia,' Albert Schweitzer called it 'reverence,' Rachel Carson called it 'a sense of wonder.' But by any name it is the sense of belonging in nature and particularly in one's place. I think everyone has that feeling to one degree or another. But it requires opportunity and the right circumstances to flourish...." -David W. Orr



NOTES

use this space to write notes from the day



We as a culture are forgetting that we are actually natural organisms and that we have this very, very deep connection and contact with nature. You can't divorce civilization from nature – we totally depend on it.

James Balog



Regional Ohio Action For Resilience (ROAR)

162 Page Court Delaware, Ohio 43015

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On the web: www.roar4climate.org

Email: roar4climate@gmail.com

Phone: 1-719-428-9812

