



LANDSCAPE ARCHITECTURE FOUNDATION

Contents

This is a compilation of resources and attendee chat from the LAF webinar “Biodiversity Trends for Landscape Architects” held on July 23, 2024. The webinar recording and more resources can be accessed [here](#). The chat has been edited for ease of reading, with some comments removed for redundancy and clarity. Resources will not be updated.

1. Resources Mentioned During the Webinar

- [NatureServe Explorer](#)
- [The Nature Conservancy – Omniscape Explorer](#)
- [Center for Biological Diversity](#)
- [Living Planet Report](#)
- [GoNaturePositive!](#)
- [Trust for Public Land – ParkScore](#)
- [30x30 California](#)
- [U.S. Geological Services Gap Analysis](#)
- [Coyote Hills Regional Park](#)
- [Landscape Architecture Foundation Biodiversity Resource Guide](#)

2. Attendee Chat

12:59:54 From Hannah Hethmon- LAF Support to Everyone:
Welcome to the webinar! We’ll get started soon! Share where you are joining us from in the chat.

[Attendees introduce selves + locations in chat]

13:03:52 From Hannah Hethmon- LAF Support to Everyone:
What are your go-to for resources about biodiversity trends?

13:03:57 From Brittany Murphy to Everyone:
<https://www.ecolandscaping.org/>

13:03:57 From jennifer montgomery to Everyone:
Local native plant nurseries

13:03:59 From Esther Margulies to Everyone:
iNaturalist



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- 13:04:01 From Kristen Juen to Everyone:
NatureServe
- 13:04:01 From X to Hosts and panelists:
"Principles of Ecological Landscape Design" - Travis Beck
- 13:04:01 From Kt B to Everyone:
Nature Serve
- 13:04:02 From Craig Coronato to Everyone:
SITES
- 13:04:04 From X to Hosts and panelists:
Fourth Corner... and local biologists
- 13:04:05 From Kris Gilbert to Everyone:
New York Flora Atlas
- 13:04:05 From katrina majewski to Everyone:
local nursery websites
- 13:04:06 From Martha Straus to Everyone:
Nurseries
- 13:04:07 From Austin Bamford to Everyone:
Nature Conservancy research
- 13:04:08 From Sandra Fischer to Everyone:
Pacific Horticulture, ASLA, LAF, Sites
- 13:04:12 From Claire Jarvis to Everyone:
I use resources from the Network for Engineering with Nature
- 13:04:15 From Phoebe Chuang to Everyone:
iNaturalist and ebirds
- 13:04:16 From Jennifer Dowdell to Everyone:
IUCN
- 13:04:20 From Bonnie Roy to Everyone:
knowledge of local/regional plant communities
- 13:04:26 From Daniel Ashworth, Jr. to Everyone:
Doug Tallamy/Home Grown National Park
- 13:04:32 From anna chen to Everyone:
Hello from Portland, OR. We use local nursery website and also ITREE



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- 13:04:34 From Weston Henry to Everyone:
iNaturalist, Calscape, Audubon plant finder, Doug Tallamy keystone plant finder
- 13:04:36 From Kris Gilbert to Everyone:
Society for Ecological Restoration
- 13:04:43 From Susan Kenzle to Everyone:
Info from SER, Nature Conservancy, many others
- 13:04:46 From X to Hosts and panelists:
Oregon Conservation Strategy
<https://www.oregonconservationstrategy.org/>
- 13:04:52 From Diana Nightingale to Everyone:
Sanzbi, IUCN Redlist, Xerces, BGCI, BAMONA, California Endangered Species List
- 13:04:59 From Brandon Herman to Everyone:
Peer reviewed research publications, Science Direct, Web of Science, etc.
- 13:05:00 From Weston Henry to Everyone:
BONAP!!
- 13:05:18 From Daniel Ashworth, Jr. to Everyone:
Florida Native Plants Society, more local to Florida
- 13:06:10 From X to Hosts and panelists:
Society for Ecological Restoration
- 13:06:15 From Colette Curran to Everyone:
When I was in California, I used California Natural Diversity Database CNDDDB. I like to look at local flora and fauna resources.
- 13:06:28 From X to Hosts and panelists:
eBird
- 13:06:36 From Emily Hope to Everyone:
Hello from Jacksonville, Florida!
- 13:06:36 From Jane Padelford to Everyone:
<https://www.illinoiswildflowers.info/> for floral - faunal relationships- midatlantic and NE, MW
- 13:06:42 From Theodore Thwing to Everyone:
NPDI MAP
- 13:06:59 From Colette Curran to Everyone:



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CalScape and CalFlora are great plant resources for California.

13:07:03 From Deborah Blea to Everyone:
LAF, WWF and many others

13:07:47 From Francisca Salas to Everyone:
Hello! from Temuco, Chile

13:07:49 From Kristina Hill to Everyone:
Here's a link to WWF's Living Planet report which comes out every 2 years, with a new due one out this year: <https://livingplanet.panda.org/en-US/>

13:08:01 From lisa lennon to Everyone:
<https://www.wildflower.org/plants-main>

13:08:03 From Christine LeVatte to Everyone:
Hello from Sydney, Nova Scotia Government Relations Chair for the Canadian Nursery Landscape Association and working with our landscape design members on biodiversity advocacy.

13:08:20 From Martin Harwood to Everyone:
<https://newyork.plantatlas.usf.edu/>

13:08:48 From X to Hosts and panelists:
Columbia Land Trust, Backyard Habitat Program in Portland, OR

13:08:55 From Christine LeVatte to Everyone:
member of the Canadian Landscape Standard CSLA CNLA Joint Committee

13:09:02 From Jennifer Dowdell to Everyone:
<https://dnr.maryland.gov/criticalarea/Documents/chesapeakekenatives.pdf>

13:09:09 From Alejandro Vazquez to Everyone:
BONAP, FNPS (Florida Native Plant Society) and iNaturalist.

13:09:31 From Georgia Silvera Seamans to Hosts and panelists:
Google Alert "biodiversity"

13:10:05 From Kathleen Wolf to Everyone:
Question for panel: Land arch can address habitat creation and conservation. Ana is describing climate implications. Less recognized perhaps are the pandemics effecting animals (e.g. bird flu). Any thoughts about spatial planning/design and disease control.

13:11:31 From cynthia manfred to Everyone:
Biological corridors on land, biological corridors along rivers and their riparian biomes



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- 13:16:48 From Brandon Herman to Everyone:
We need to involve ecologists early on and stop pretending that we know how to hit biodiversity targets and create functioning ecosystems on our own.
- 13:17:18 From X to Hosts and panelists:
100% agree with Brandon!
- 13:17:44 From Abhishek Sharma to Everyone:
+1 to Brandon
- 13:17:56 From Robert Levinthal to Everyone:
+2
- 13:18:08 From Kristina Hill to Everyone:
Here's one answer to Kathy's question about biodiversity and disease:
<https://baynature.org/article/biodiversity-and-the-spread-of-disease/>
- 13:18:11 From Susan Kenzle to Everyone:
+3
- 13:18:17 From Diana Nightingale to Everyone:
+4
- 13:18:47 From elizabeth Milan to Everyone:
+5
- 13:18:53 From Alexander Eissa to Everyone:
+5 to Brandon! (I didn't realize this is how we agree on here!)
- 13:19:09 From Esther Margulies to Everyone:
Humans are .01% of the Bio Mass on this planet. We have responsibility for impacts
- 13:19:14 From Taryn Farber to Everyone:
+6!!
- 13:19:57 From Taryn Farber to Everyone:
Some of us are ecologists too :) (I wish I were asked more about how to meet some of those goals)
- 13:20:56 From Brandon Herman to Everyone:
That's the ideal combo!
- 13:21:05 From Brandon Herman to Everyone:
Maybe a dash of civil...
- 13:21:59 From Alexander Eissa to Everyone:



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To add onto Brandons point, the construction of a project alone is detrimental to the ecology of an area, so from that point forward, if biodiversity is not a focus, biodiversity is already practically at the bottom of the list.

13:22:34 From Chris Landau to Hosts and panelists:

Ecologists are awesome but there are a lot of things that we can do that are obvious wins on projects that can't support another consultant.

13:23:05 From Briana Morrison to Everyone:

Thank you, Ana!

13:23:14 From Aditi Galande to Everyone:

Sorry I don't quite agree with Brandon. As landscape architects we have the skill to observe and document the site. Even indicators like observing the site through a seasonal change can help identify the existing biodiversity. Although it would be helpful to collaborate with ecologist to get an idea of the larger biodiversity to keep the design relevant from macro to micro scale.

13:23:16 From Taryn Farber to Everyone:

+1 Alexander Eissa!

13:23:53 From Hannah Hethmon- LAF Support to Everyone:

Which new biodiversity regulations and policies in your area are you are excited about?

13:23:58 From Jessica Eppard to Everyone:

encouraging water harvesting and Green storm water infrastructure!

13:24:03 From Vusumuzi Msimanga Ka Mngomezulu to Everyone:

True that Dr Ana Alvarez. I think we need to follow nature more than nature following us.

13:24:06 From Grace Macaulay to Everyone:

City of Phoenix is beginning to require a certain percentage of plants be from a pollinator plant list.

13:24:24 From ashley cruz to Everyone:

in NJ there is a new policy that any tree removed, on public or private property, must be replaced, or pay in lieu of.

13:24:24 From katrina majewski to Everyone:

Have been seeing regulating of Mosquito / Tick Spray applications in public property (hopefully soon private, too.) *based on east coast

13:24:42 From Alexander Eissa to Everyone:

I am not in the UK but I know that they just passed a law specifying that new projects must provide a minimum of 10% biodiversity net gain by the end of the development



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13:24:46 From Kelly Farrell to Everyone:

This is not in my geographic area, but I'm incredibly excited to see how the UK Biodiversity Metric might spread and be adopted in other areas! It gets towards Alexander's point above, but with the idea that new development *should not be* detrimental to the ecological value of a site

13:24:50 From andrew tillinghast to Hosts and panelists:

Portland Metro area has a fairly new and pretty robust tree code that puts some guardrails on how the urban canopy is managed.

13:24:56 From Chris Landau to Hosts and panelists:

New Jersey stormwater rules now require vegetated swales.

13:24:58 From Georgia Silvera Seamans to Hosts and panelists:

New York City Biodiversity Task Force

13:25:06 From Brandon Herman to Everyone:

+1 to UK's BNG laws!

13:25:11 From cynthia manfred to Everyone:

Sometimes measures against floods run opposite the needs of heat and drought mitigation, and certainly can run against habitats and biodiversity. These times need to consider the diff variables at once. But Cost Benefit should weigh more towards ecosystem services and biodiversity than to infrastructure benefits and costs

13:25:18 From Weston Henry to Everyone:

CA Native Plant Society hopes to mandate inclusion of native plants in landscapes. Unfortunately lots of pushback from nursery industry so far

13:25:32 From Andrea Galinski to Hosts and panelists:

In terms of education, does anyone recommend good references/guidebooks about designing functional ecosystems in LA practice?

13:25:35 From Genevieve Lawlor to Everyone:

We're working on No Net Loss of Wetlands here in MA (which includes revamping how they are id'd and mapped), with an eye toward their outsized biodiversity + carbon sequestration benefits,. We're also working on Healthy Soils initiatives for ALL land covers.

13:25:37 From Phoebe Chuang to Everyone:

I am excited about regulations that address light pollution, which is a major cause for reducing biodiversity, especially for nocturnal wildlife.

13:26:05 From Briana Morrison to Everyone:

In California, I see a convergence of policies related to water savings, water treatment, and plant-based solutions having a huge impact on development. My



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hope is multiple disciplines can work together for creative, beautiful solutions rather than cookie-cutter approaches. Also, I hope municipalities and boards embrace experimentation and flexibility!

13:26:46 From Regan Flavelle to Everyone:

Naturalization is expanding in terms of desirability from municipalities here in Alberta. The rollout is still a bit hamstrung by the limitation on the use of annuals to help with establishment of native perennial communities, however. I'm curious if others are running into similar problems, with a regulatory desire for an end product without regulations in place to support getting there in an effective way.

13:27:15 From Chris Landau to Hosts and panelists:

+1 to CA and creative collaboration.

13:27:41 From Georgia Silvera Seamans to Hosts and panelists:

Green Roofs Tax Credit in NYC

13:27:46 From Mary Scipioni to Everyone:

Creating urban region overlays uniting cities and surrounding suburbs would allow for connectivity between corridors and patches according to landscape ecology principles.

13:27:57 From Georgia Silvera Seamans to Hosts and panelists:

Neonic ban in NY State

13:28:26 From Andrew Tillinghast to Hosts and panelists:

There has also been a much greater collaboration with tribes and urban indigenous community in Oregon, some of which is legally mandated. Drawing on traditional knowledge and land practices could have a transformative effect on a landscape scale. Western science can have some really blind spots!

13:28:34 From Jane Padelford to Everyone:

In Maryland in Oct 2024 nurseries will be unable to sell English Ivy, porcelain berry, Japanese barberry and other NNIs.

13:28:42 From Monde Jele to Everyone:

Lot of practice! On the ground!

13:28:43 From Theodore Thwing to Everyone:

protection of public trees and penalties for violations.

13:28:45 From Lisa Lennon to Everyone:

Ordinances that make it more difficult to remove large, native heritage-size trees.

13:28:51 From Gretchen Wilson to Everyone:

We are seeing HOA's producing guidelines for alternatives to lawns which are required now in CO due to the need to reduce water use. These are great opportunities for biodiversity.



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13:29:00 From Marco Rangel to Everyone:

Similar to how careful we have needed to be with greenwashing when it comes to sustainability initiatives and practices, we need to advocate for authentic nature-based solutions that actually contribute to biodiversity without just making it trendy as a buzzword

13:29:20 From Sandeep Menon to Everyone:

I am excited about the 'Biodiversity Net Gain' (BNG) regulations here in the UK. But some aspects of the metric calculations and formulae involved in the calculations do not really add up, in my honest opinion. It is also a bit naïve to assume increase in biodiversity through speculation-but then how else would one work around this issue is something I am not sure about!

13:29:53 From Brandon Herman to Everyone:

Biden's Bipartisan Infrastructure Law has been pretty amazing for our work, too.

13:29:54 From Mary Christensen to Everyone:

Maryland just enacted the Maryland native plant program, passed in it's house in 2023

13:30:50 From DAVUD POST to Everyone:

For municipalities, the challenge can be the level of expertise available within the staff tasked with maintaining parks and other open spaces.

13:31:27 From Gretchen Wilson to Everyone:

Yes, we need incentives and funding to train people to maintain differently!

13:32:44 From Isobel Ritch, PLA to Everyone:

A local municipality has worked with local landscape architects and adopted a native-oriented approach to plant recommendations (replacing a mostly non-native plant list)

13:32:44 From Mary Scipioni to Everyone:

How many of you mow your lawns?

13:32:57 From elizabeth Milan to Everyone:

Yes ditto to Gretchen! Maintenance is so critical in CO

13:32:59 From Brenna Castro Carlson to Everyone:

Totally agree Davud And Gretchen - this is a critical issue! Client willingness to maintain an ecologically active landscape is a major factor that shapes how landscape architects work

13:33:24 From Taryn Farber to Everyone:

it should be part of civics classes from a young age... maybe we are getting there with gen Z, I don't know...

13:33:37 From Brandon Herman to Everyone:



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Beautifully articulated point, David.

13:33:44 From Briana Morrison to Everyone:
Thank you, David! Well said

13:35:04 From ashley cruz to Everyone:
ecologically active landscape - yes!

13:35:09 From Aida Curtis to Everyone:
there is also a perception among many people that natural areas are "unkept" and they look too "wild". People here in Miami see the green manicured lawn as a "status" symbol. we need more education..

13:35:15 From stephanie landregan to Everyone:
@weston henry, the nurseries pushing back is due to supply and demand. If we regulate native plants and disallow seeds, how can we work without the product? I think working together and not as just native plant enthusiasts, nursery people and landscape architects, let's work together. We need to have access to plants that are regulated, where are the growers, what is the supply, it is a much more complex issue than "opposition".

13:35:28 From Brandon Herman to Everyone:
We're grappling with this exact question here at Denver Parks. Native or novel biodiversity and ecosystems? Which species are appropriate to plan and design urban spaces for?

13:35:55 From Esther Margulies to Everyone:
Need every landscape architecture program to have future focused, big thinking instructors in landscape ecology!

13:36:06 From Taryn Farber to Everyone:
+1 Esther!

13:36:07 From Christine LeVatte to Hosts and panelists:
Mr. Maddox, you nailed the gaps and what needs to be done - As a landscape design build contractor and an advocate for the CNLA, I would like to talk with you about the business partnerships model you just proposed and how trade associations can assist with that - mainstreaming is the best way to encapsulate this way forward - and small business is a direct conduit to the consumer.

13:36:15 From lissathompson to Hosts and panelists:
This discussion harkens back to ideas posited by Anne Spirn in "Nature in the City" published in the mid 1980s.

13:36:18 From Mary Scipioni to Everyone:
You go, Esther!

13:36:19 From Martin Harwood to Everyone:



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+2

- 13:36:21 From Theodore Thwing to Everyone:
we have no mow may to protect bee populations and pollinators in our area.
- 13:36:29 From Weston Henry to Everyone:
Agree, stephanie!
- 13:36:37 From lissathompson to Hosts and panelists:
Spirn's book is always good to review.
- 13:36:42 From Brandon Herman to Everyone:
Check out the Biological Deserts Fallacy
<https://academic.oup.com/bioscience/article/71/2/148/6102678>
- 13:37:47 From Alexander Eissa to Everyone:
Especially for Justice reasons
- 13:37:55 From Mary Scipioni to Everyone:
I have worked with underserved communities and I have observed a degree of
biphobia. Afraid of insects, snakes, etc. WE need to think about this sort of
exposure.
- 13:38:06 From Monde Jele to Everyone:
With access, it is the more the awareness and acknowledgment from one person to
the other!
- 13:38:11 From Meghan Mick to Hosts and panelists:
Yes, Esther, and not stop there, all disciplines involved in the built environment!
- 13:38:19 From andrew tillinghast to Hosts and panelists:
"ParkServe"
- 13:38:39 From Alfie Vick to Everyone:
For anyone interested in biophilic design, I wanted to let you know about this
annual conference: <https://biophilicsummit.com/>
- 13:38:40 From Taryn Farber to Everyone:
+1 Mary - that's super valuable perspective. Exposure and education at a young
age maybe, the same way we learn about our state's history
- 13:38:54 From Diana Nightingale to Everyone:
I agree Mary! I think showing people the beauty of some of these misunderstood
species really helps. :)
- 13:39:12 From Alejandro Vazquez to Everyone:



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I think access is imperative but also we should think about which natural urban areas (and non-urban!) should actually have very limited access to protect non-human creatures.

13:40:24 From Diana Nightingale to Everyone:

I would really like to also see cities invest more in the proper care of their trees, parks, preserves, etc, and perhaps more importantly, investing more in those who care for them. When we let these areas become taken over with weeds, people fear these spaces and all natural areas more.

13:41:40 From stephanie landregan to Everyone:

@diana nightingale, or provide a reduced property tax for caring for your street trees, there are some personal responsibility opportunities that we can employ

13:41:41 From Taryn Farber to Everyone:

@diana "weeds" are culturally defined! what is unsightly to some might be meaningful and attractive to others

13:41:41 From Mary Scipioni to Everyone:

Diana: "weeds," or invasive plants?

13:41:47 From Jennifer Dowdell to Everyone:

<https://www.atlantaga.gov/home/showpublisheddocument/48477/637382675802470000>

13:41:50 From Marco Rangel to Everyone:

Early childhood education with connections and exposure to nature can help address the fears associated with the natural world. Plugging primary schools into local nature centers that facilitate robust environmental education models

13:41:55 From Aditi Galande to Everyone:

I agree with Keith. That's a really interesting perspective!

13:41:56 From Taryn Farber to Everyone:

+1 Mary :)

13:42:00 From Lucas Murillo to Everyone:

@Stephanie L. , can you explain a bit more about regulation of native plants and disallowing seeds ?

13:42:05 From Deni Ruggeri to Everyone:

what is the role of spontaneous, disturbance adapted ecologies in cities? are weeds and non native trees obstacles to a biodiverse city? or disturbances to our ideals of what a healthy ecology is? @diana read my mind

13:42:19 From Alejandro Vazquez to Everyone:

+1 Aditi

13:42:24 From Diana Nightingale to Everyone:



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invasive plants I mean :)

13:43:02 From Christopher Shipley to Everyone:

Will the urbanization of societies continue into the last half of the century? Should it? Would a more controlled decentralization provide more benefits?

13:43:05 From Jessica Eppard to Everyone:

an environment with more edge conditions are less helpful for wildlife- but would be used as corridors-- this brings up the question though of the wildlife urban interface-- there are wildlife that people do not want in cities (ie larger predators)

13:43:21 From Aliya Mejias to Hosts and panelists:

+Deni, and how is climate change and climate adaptation shifting our definition of "invasive"

13:43:33 From Alejandro Vazquez to Everyone:

100% David! There are acres of "in between" spaces in our cities that could play a crucial role bringing Nature back into our cities.

13:43:42 From Brandon Herman to Everyone:

Great question. I think is where LA's miss the mark.

13:43:46 From Katie R. Pichette to Hosts and panelists:

Normalizing nature-base solutions, breaking away from controlling nature that is ingrained in colonization

13:44:54 From stephanie landregan to Everyone:

@Lucas Murillo, recent failed legislation in CA, there was a push for required native landscapes for commercial properties, and disallowed seeds! so the small amount of native growers and nurseries opposed it because they were not contacted and could not provide support for this proposed regulation. The LA's joined in and suggested more collaboration, as well as other changes, but it was only a native plant proposal without consultation on implementation and maintenance.

13:44:55 From Aliya Mejias to Everyone:

+1 Deni, and how is climate change and climate adaptation shifting our definition of "invasive"

13:45:02 From Mohammad Falaki to Everyone:

In Nigeria, the landscape architecture programs in 2 universities have been working on a Nature Positive Universities pledge, managed by the University of Oxford and the United Nations Environmental Program (UNEP). The initiative entails establishing a biodiversity baseline and biodiversity targets for the universities. This is changing the thinking of biodiversity conservation in planning and designing spaces on campuses. Our students are participating as student ambassadors and are learning how nature-conservation driven planning, and design have benefits to people.



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- 13:45:03 From Jake Watters to Everyone:
Wild urban interfaces are also carry more fire risk is fire-prone ecologies
- 13:45:31 From Abhishek Sharma to Everyone:
Recently in San Francisco, there has been an explosion of coyotes population with increased attacks on people and pets. People are scared and upset and want city to do something about it. I've been wondering if we REALLY want true "rewilding". Maybe rewild... but on our terms?
- 13:45:49 From Mary Scipioni to Everyone:
Don't forget ticks! Predator loss v. Deer due to shrinking forests.
- 13:46:16 From Taryn Farber to Everyone:
The problem with "rewilding" is that it's sort of ambiguous, like "sustainability." It can be useful for sure! But it needs to be defined
- 13:46:40 From Alexander Eissa to Everyone:
@Abhishek, was the introduction of coyotes in the area due to over grazing due to those deers? That coyote and deer population has been in a steady hum and haw since the 80's.
- 13:46:40 From Esther Margulies to Everyone:
Mohammad thanks for sharing the program in Nigeria. I found this link
<https://www.naturepositiveuniversities.net/>
- 13:46:47 From Marco Rangel to Everyone:
Becomes an issue of perception and language
- 13:47:08 From Jessica Eppard to Everyone:
and the communication that happens around the issue!
- 13:47:20 From Abhishek Sharma to Everyone:
Yes @ Taryn. Though, if it is defined is it really wild?
- 13:47:33 From Taryn Farber to Everyone:
nope!
- 13:47:44 From Lucas Murillo to Hosts and panelists:
@stephanie got it
- 13:47:58 From Taryn Farber to Everyone:
but is anything really "wild" anymore? Human impacts have touched every ecosystem
- 13:48:08 From David Maddox to Everyone:
Doesn't "old growth" have a technical definition. That still exists.



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- 13:48:24 From Alejandro Vazquez to Everyone:
wild doesn't exclude humans
- 13:48:46 From Aliya Mejias to Everyone:
+1 Alejandro
- 13:48:49 From Esther Margulies to Everyone:
Does Wild mean managed for maximizing bio diversity?
- 13:49:17 From Steffi Schueppel to Hosts and panelists:
For the ones who are not familiar with the Nature Restoration Law just recently adopted by the EU: this might be of interest for you:
https://environment.ec.europa.eu/topics/nature-and-biodiversity/nature-restoration-law_en
- 13:49:32 From Jose Juan Terrasa-Soler to Hosts and panelists:
There is always the need to need at species lists, distribution of species and abundances....
- 13:49:32 From Taryn Farber to Everyone:
+2 Alejandro
- 13:49:33 From Mary Scipioni to Everyone:
Wild SHOULD mean, just get out of the way.
- 13:49:57 From Abhishek Sharma to Everyone:
yes, agreed @Alejandro. But if humans are defining who can be part of the wild, then it is not really wild IMHO. Agree with the terminology of "managed" @ Esther
- 13:49:57 From Jose Juan Terrasa-Soler to Hosts and panelists:
we could have very green and connected spaces populated by a few species....
- 13:50:18 From Taryn Farber to Everyone:
+1 Abhishek
- 13:50:41 From Alexander Eissa to Everyone:
What we measure, we can manage.
- 13:50:46 From Taryn Farber to Everyone:
I think the bottom line is that there is no agreed-upon definition. So that complicates things
- 13:50:58 From Melissa McKinley to Everyone:
I always like to think "wild" is defined by areas that are balanced, functioning ecosystems that still have the ability to regulate without intervention
- 13:51:18 From Taryn Farber to Everyone:
@Alexander it's more complex than that I think



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- 13:51:23 From Lucas Murillo to Hosts and panelists:
I'm interested in how the planting palette and management plans are going to change with climate change
- 13:51:40 From Brenna Castro Carlson to Everyone:
I'm curious about any metrics for biodiversity for urban projects? Thinking about certifications like Envision, which incentivize landscape approaches that increase biodiversity, but leave the question open about how to measure. I'd love to be able to use these metrics to advocate to my clients that a different approach can benefit them
- 13:51:46 From Marco Rangel to Everyone:
Living, functional natural, biological processes = wild?
- 13:51:49 From Kathryn Langstaff to Everyone:
Coyote Hills is an incredible example, thank you so much East Bay Regional Parks and Ana Alvarez!
- 13:52:00 From Taryn Farber to Everyone:
@marco define "natural"
- 13:52:02 From Alexander Eissa to Everyone:
@Taryn, I just believe that is the first step, not the entirety of the process.
- 13:52:04 From Jake Watters to Everyone:
I think similar to migratory animals- We are seeing that some native plants no longer thrive where they once did. Are there resources or case studies on creating or recreating similar ecological function with non-native species when 'native' species can no longer thrive where they once were due to climate shifts?
- 13:52:33 From Mary Scipioni to Everyone:
Brenda, I have seen cases where crews actually count the number of species/individuals.
- 13:52:46 From Marco Rangel to Everyone:
natural as opposite of unnatural, artificial
- 13:52:51 From Ana Alvarez to Everyone:
<https://www.ebparks.org/projects/coyote-hills-restoration-and-public-access-project-patterson-ranch#site-description>
extension://efaidnbmnnnibpcajpcgiclfindmkaj/https://www.ebparks.org/sites/default/files/lupacoyotehills_11-11-2019.pdf
- 13:53:11 From Kris Gilbert to Everyone:
@Brenna, re: metrics for biodiversity... Floristic Quality Assessments could be helpful.



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- 13:53:15 From Taryn Farber to Everyone:
so is a tree that someone planted in a city natural? It didn't get there on its own.
- 13:53:18 From Mary Scipioni to Everyone:
Not touching that one, Marco!
- 13:53:22 From stephanie landregan to Everyone:
Restoration guidelines has metrics for success. It varies due to landscape form.
- 13:53:25 From Marco Rangel to Everyone:
haha!
- 13:53:39 From Phoebe Chuang to Everyone:
On the note of urban coyotes, personally I think while the coyotes are wild animals, they are not living in a "wild" environment. Most wildlife and human conflicts are a combination of human's actions interacting with the wildlife. A successful rewilding in this context to me is more about allowing space for the coyotes to do their things but ALSO making sure that humans know how to live with our wild neighbors.
- 13:54:18 From Meghan Mick to Hosts and panelists:
+1 Phoebe
- 13:54:32 From Taryn Farber to Everyone:
+1 Mary! @Marco, the consensus is that "wild" and "natural" are not straightforwardly defined
- 13:54:44 From Brenna Castro Carlson to Everyone:
Keith, thank you for talking about assisted migration and adding nuance to that conversation!
- 13:54:45 From Marco Rangel to Everyone:
engineered solutions vs facilitating wild processes
- 13:55:01 From Alexander Eissa to Everyone:
@Alfie, Go dawgs!
- 13:55:39 From Jake Watters to Everyone:
@Keith- what time frame are you defining as historic range?
- 13:56:37 From Marsha Swider to Hosts and panelists:
What are our best tactics for streamlining a systemic increase in biodiversity within our country and beyond?
- 13:58:01 From stephanie landregan to Everyone:
SER has metrics for successful restoration
<https://www.ser.org/page/standardsguidelinesprinciples>



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13:58:11 From Matthew Stubbs to Everyone:

A good resource for anyone in Texas would be the Botanical Research Institute of Texas or BRIT

13:58:38 From Abhishek Sharma to Everyone:

@Alexander - We manage /play god in areas we have still not "measured". Also, I sometimes wonder where our our obsession with defining success through measuring and making everything a metric. For example, the sacred forests of Asia. There was a more spiritual value defining their "success" rather than an ENVISION rating as far as i understand.

13:59:25 From Genevieve Lawlor to Everyone:

Regarding the current question: we see more collaborations with indigenous communities as land stewards

13:59:27 From David Maddox to Everyone:

I am happy to be contacted by anyone: david.maddox@thenatureofcities.com

13:59:29 From Eric Gilbey to Everyone:

@Stephanie That is a great resource...thank you!

14:01:28 From neal dunstan to Hosts and panelists:

Thank you for the insightful discussions

14:01:28 From John Frey to Everyone:

Thank you to LAF and the panelists!

14:01:33 From Kina Voelz to Everyone:

Many, many thanks! Looking forward to continuing the conversation!

14:01:54 From Sandeep Menon to Everyone:

Thank You so much for the insightful discussion!