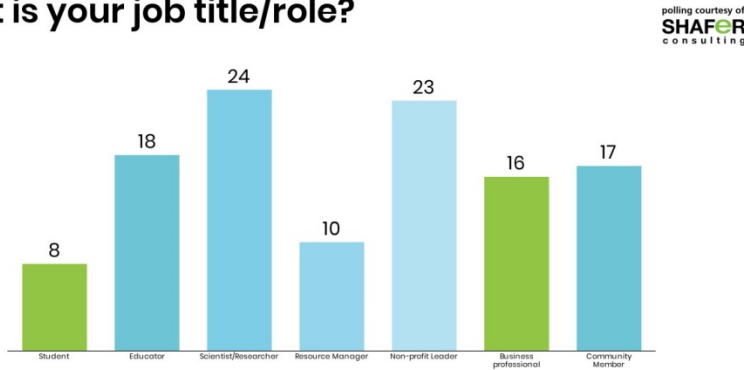


Getting Started

What is your job title/role?



116

How important are the following Summit goals for you?



125

How do you feel about being here?



124

Florida Estuaries

What do you love most about Florida's estuaries? (i.e. fishing)

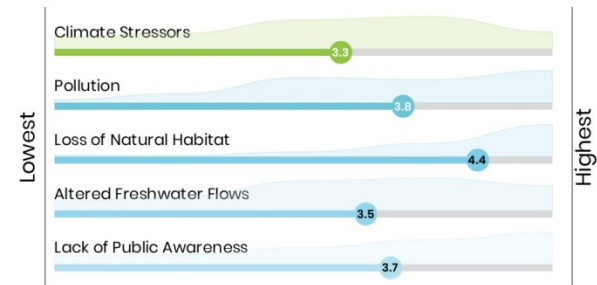
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How would you rank these threats to Florida's estuaries?

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AUDIENCE QUESTIONS

What is behind the political agenda to de fund NEPs?

What can we a citizens do to help?

Give an example of success story, how it happened and results

Was is giving you the most hope for our estuaries?

How can a young scientist make a difference?

Had SRQ deterred in the last half decade? Or improved?

How does the human food chain connect with Estuary focuses?

Can macroalgae populations be augmented? Similar to concept of seagrass planting.

How can the NEP help community reduce carbon footprints locally to reduce climate stressors globally?

what kind partnerships would you like to have, but don't, to help drive public engagement?

How has your funding changed over the years? Both amounts and sources.

Permits for living shorelines?

What do you equate the success of the sea grass restoaration reaching above your target in Sarasota Bay?

What can private property owners do?

Where have the biggest returns on investments been seen wrt capital expenditures and measured success or goals?

How would you plan to take out seawalls?

Are invasive exotic species a concern for the estuaries?

Do TMDLs have a role in your future planning, esp since the connection between water column and quality is so important?

Are there estuaries in Florida that should be part of an NEP, but aren't?

Are we seeing effects to land stability considering our karst cartography, sea level rise and ocean acidification?

What is being done in public schools to educate our youth?

Current political action on the environment- negative or positive?

What is Best practice for community'citizen involvement

How important is water quality science and research to avoiding the tipping point mentioned. Ie, if you could go back 10-15 years important?

What methods are you using to engage traditionally marginalized populations who live in the estuaries but may not feel a connection to them?

Do we have curriculum that will support integrating these conversations into high school classrooms in meaningful and personal ways?

What can individual citizens do to support estuaries? Has there been thoughts to incorporate environmental studies in grade schools?

At the layman level, how can we explain the importance of the water column shift?

How important is having the public speak up?

What exactly dose the program that is being funded do to help the environment

How do you achieve specifically long-term community engagement?

What is the biggest concern homeowners have to converting sea walls to mangrove barriers?

How do we get local ordinances changed to incentivize Living Shorelines?

Sarasota said future restoration paradigms needs to focus on how to convert nutrient-rich water flows to bio-mass. What does this mean?

What, if any, influences do you see coming in from the Gulf of Mexico?

What failures have you learned from and how do you share that with the public without losing their interest?

What can CHNEP do to prevent algae blooms like IRL has experienced?

Many NEP studies/plans have been conducted over the years. Have they served their purposes well? What would you have done differently?

What can everyday people do to help the environment?

Any incentives for business to go green and implement good environmental practices?

Would you like to trade your system for another?

Why haven't low impact development practices been integrated into the development industry?

Are any legislators attending this summit?

Is Everglades part of a NEP?

What is sea level rise in FL?

Is Paris Agreement in play locally?

How do you get "Joe Public", who's only interaction with the estuary is to drive the Howard Franklin bridge every day to care?

W/ public outreach, can HOA's be empowered (incentivized) to improve their "estuarine" situation: I.e. snowbirds willingness to "pay/commit

Do we know enough about which plants and trees do the most efficient job absorbing carbon? Which should we seek more of?

How can we partner with developers to participate in restoration and preservation

What actions are you taking and what actions can the citizens do to prevent these environmental issues?

How have the fisheries responded, good and bad, to current conditions?

How is development changing or is it to lessen impact on sensitive environments?

Do you have local agencies leading and supporting septic to sewer programs, what percentage has transitioned and how long did it take?

What potential does aquaculture have in environmental remediation?

How involved are legislators for NEPs?

Getting people wet and dirty works! Love TBEP support for snorkeling in Manatee watershed!

How do we distill the information down to make it real for even uninformed people?

Critical data has become politicized

How do you see new sensor tech, GIS and citizen engagement changing our world?

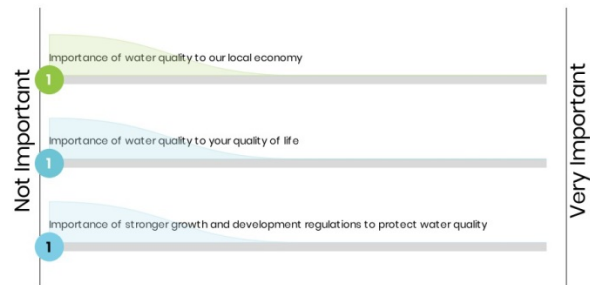
How are you planning to influence policy implementation organizations that see economic influence over environmental health?

What are your ideas for providing strong science and safe forum for discussing controversial topics in light of influence powerful people

Clean Water

Rate the importance of these 3 water quality issues.

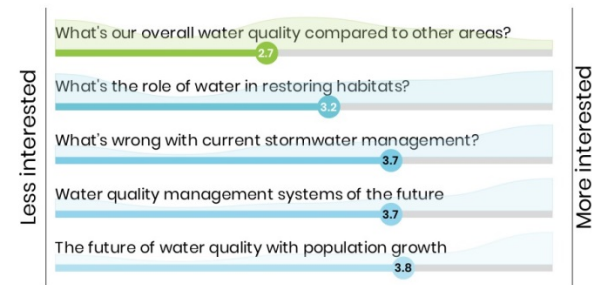
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1

Rate the following topics based on what you would like to hear our panelists address:

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AUDIENCE QUESTIONS

How are the pH levels different in protected bays vs open gulf?

Lowest hanging fruit to improve water quality?

What about Saint Petersburg's dumping of waste water into Tampa Bay?

How do you know where to plant the sea grass?

How do we stay optimistic in the age of deregulation pressures?

Thoughts about large-scale stormwater harvesting?

Aren't we gambling with deep water injection? How can you know aquifer strata aren't connected????

Who is educating developers on good storm water practices

Is there any remaining low hanging fruit to improve water quality?

With lakes where TMDLs are being met but are not improving, could it be Legacy pollution?

What about plastic fibers and toxins from meds?

How do you make a stream/creek out of ditches

In Sarasota Bay restoration, how much of the success can be attributed to the fact that we have so many preserved lands in our watershed?

Why can't Sarasota County stop spraying glyphosphates

How do we affect good policy?

How are we going to deal with water quality and population growth?

What is local government doing to push developers toward sustainable development; native landscapes, solar, water barrels, pervious driveway

How worried are you about pollutants if emerging concern in wastewater?

How do citizens try to effect change with elected officials when elected officials are paid off by developers?

Why have littoral plantings been eliminated for SW ponds?

Are plastics a concern? And should we be setting a better example?

How do you protect poor communities from stormwater issues i.e. those who will be impacted if richer communities move inland?

Is it possible for us to implement centralized management facilities like Washington D.C.'s Blue Plains?

What causes an algal bloom to occur?

are new developments doing their stormwater right?

When do the Save the Swale T-Shirts come out?

Isn't agricultural runoff also a problem?

What causes an algal bloom to occur?

Can a homeowner get a permit to build a Swale in their yard? #savetheswales

Won't coastal estate prices continue to rise in spite of climate change? In SE FL, beachfront property is a status symbol, not a home

What is Sarasota County doing to reduce overland flow of nutrients and pollution towards the bay and Gulf?

Land Conservation

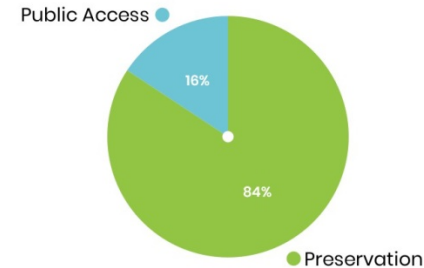
What is your favorite park/preserve?

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Which is more important?

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Do you trust your government or private land trusts more to:

70

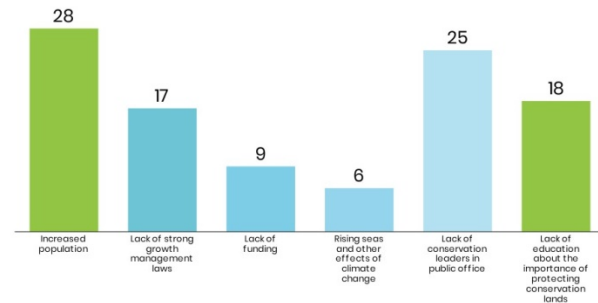
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What do you believe is the biggest threat to the future of Florida's conservation lands?

20

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89

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AUDIENCE QUESTIONS

What has your experience been with Monsanto?

What has your experience been with Mosaic?

What about invasive exotic species?

What can we do to manage and Protect Public Lands from scary leases, like Daiquiri Deck on Lido Beach?

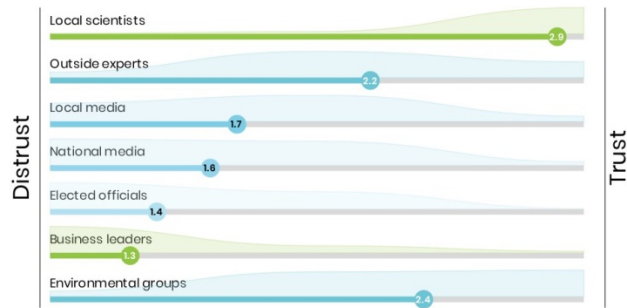
How do citizens sway elected officials against development when the elected officials are financially influenced by developers

In priority plans/opportunity's for acquisition- is there low hanging fruit?

Science Policy & Advocacy

How much do you trust these sources to effectively communicate science and its implications for major policy issues:

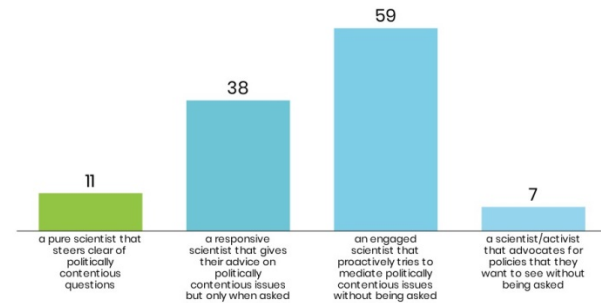
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114

What type of scientist resonates the most with you?

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AUDIENCE QUESTIONS

How about the responsibility of the individual citizen and our educational institutions for basic scientific literacy? How can we improve Thoughts on false equivalence?

Some want gov to “act more like business” but do they want gov to take more risk?

Does the public food become the decision?

What positiins have been made for the younger generation to get into Conveying science with the public?

Is there enough peer reviewed public knowledge about science in Sarasota?

Is saving the environment more important to all the panelists than the fear of not pleasing a developer?

Do you think scientific uncertainty or need for additional data is sometimes is used as an excuse for inaction based on info we already have

Julie: How do you think wearing different hats (playing different roles) affect the public's trust in your decisions?

If doubtful about the amount of information you have or don't have, why must you make a decision now? Why can't you table a decision?

What freedoms should elected officials have in choosing what scientific information they use to inform decisions?

What is the role of environmental lobbyists in the decision cycle?

One model (like TMDLS)? Or reconciling multiple lines of evidence from multiple models?

Why di you think this group has more. Trust in locals than outside experts?

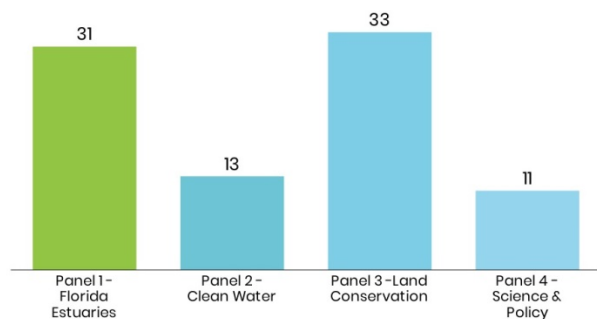
How to insure repeated testing for reliability.? And not just glomming on to a study that supports a hoped for result?

What do you do when big money derials all scientific data?

Local governments spend millions on hiring scientists and engineers yet often disregard thier professional advice. Why?

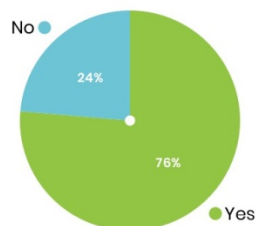
Checking In

Which panel presented the most new information for you?



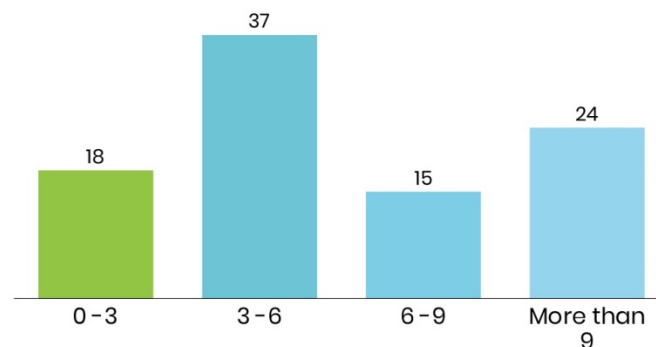
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Have you connected with anyone around a specific project or effort?



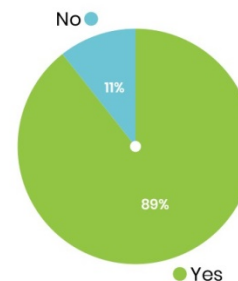
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How many new people have you met so far?



94

Have you identified any new personal/professional actions that will help support the environment and larger community?



94

Climate Change

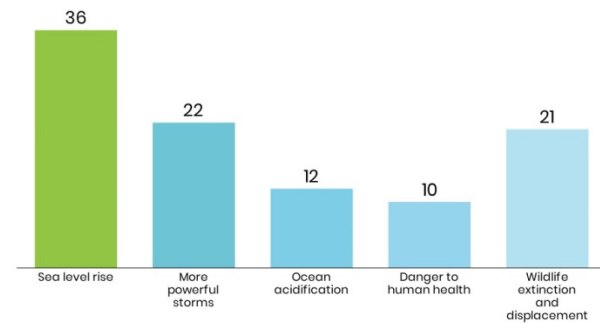
Climate change is...



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What worries you most about the local impact from climate change?



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AUDIENCE QUESTIONS

How do land use changes interact with climate change?

Can you please give us the reference for NOAA study on increase in flooding events?

What credentials qualify someone? How do you really know they are real?

Do you think methane from natural gas will contribute more to CO2 levels?

How can audience access the full-text PDF of the climate-change acceleration paper you presented?

How do you appeal to individuals whose denial is religion-based?

How do you have civil conversations with non-believers who are aggressive and unwilling to have a discussion? How do you find common ground?

Have we turned the corner on policy denial?

I've heard the argument that universities are brainwashing - makes it easy to dismiss any research. Any advice?

Can u talk about the expansion of mangroves up the coast?

You have spoken of the changes expected in the next 100 years. What about the next 1000 yrs?

What do you say to people who claim "but this winter was really cold!"

Is there good forecast/model that predicts at local level? Eg, Tampa, Sarasota, Houston

How do we reverse the trend, while taking into account population growth and land use changes?

Insurance companies pay attention - because they have to pay out. Will economic factors drive government policy?

Weather problems other areas of world evidence of climate change, what are they?

Thank you for your reminder to not oversell. It weakens the reality of the message.

With the aforementioned tropic expansion, what of mosquito populations?

In the long run are we just all dead?

Is anyone connecting and talking about the relationship between development and flooding in a real way that influences the type of development?

Why are we still building huge parking lots?

AUDIENCE QUESTIONS

Next steps?

Tell me something hopeful!

How expensive is desalination

St Armand's - what's the risk?

How can a community member help increase community involvement/engagement

What can you say to Mr. Buchanan?

What considerations have been taken for Red Tide in your respective fields?

What are cities doing to change our powerful electric companies?

is it sustainable to keep renourishing LIDO BEACH

Are plans in Sarasota just focused on sea level rise or other climate changes as well?

How does the climate change in the past 100 years compare to the prior 100 years?

What level of disaster will it take for policy makers to finally act?

How long will the City of Sarasota support its barrier islands?

What are some climate projects the City plans to implement

Can you help with adaptation plans for gated communities?

For Mona: is there an equivalent local MD tracking public health with ambient water quality issues?

What happens to mangroves with ponds behind them?

How do we redesign the future

Did you see a greater number of respiratory illness this winter and spring than in years past?

What can we do to get more public engagement and support for adaptation?

What education programs do you have for youth?

Seems to be a disconnect between city sustainability and development planning?

Is there a way to remove pollutants such as pharmaceuticals in reuse water?

How does water conservation reduce greenhouse gas emissions?

Is Manatee County somehow not going to be effected?

Did the City of SRQ consider the impact of adding more impervious surfaces to downtown?

In a community of relatively highly educated and prosperous people, why doesn't Sarasota have a functional adaptation plan?

Can polluters be sued for their effects on health, etc

Change the tribal behavior !!!

What can be done with effluent from desalination ?

Should we impose a moratorium on coastal building and begin a retreat from the barrier islands and coast ahead of sea level rise?

How about Statewide cooperation. We are not that big!

Two good projections on SLR - 2050 and 2100

What tools do local govt need to be effective in implementing adaptation strategies?

Should we prepare to leave Florida

Change the political behavior

Explain how the beef industry affect global warming

Why adapt to negative future?

Envision and create one you want

What is the region doing to improve green spaces in the face of increased urbanization? Should a moratorium be imposed on all new building?

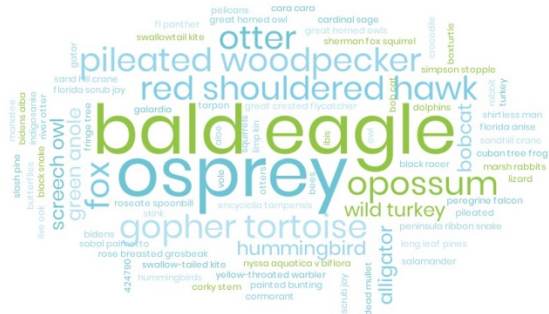
Is sea level rise being considered in the new Bayfront design?

At what point will we discontinue beach renourishment?

Urban Ecology

What is the most interesting native species you have seen in your yard?

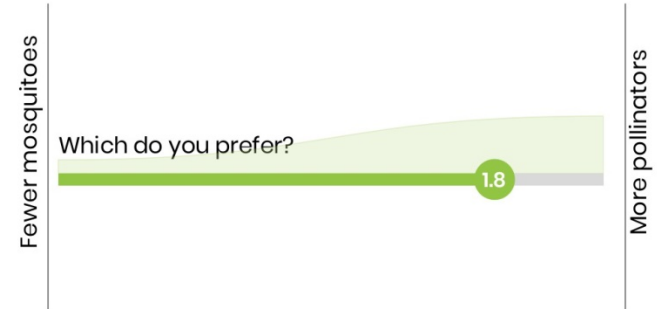
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Ecological Tradeoffs

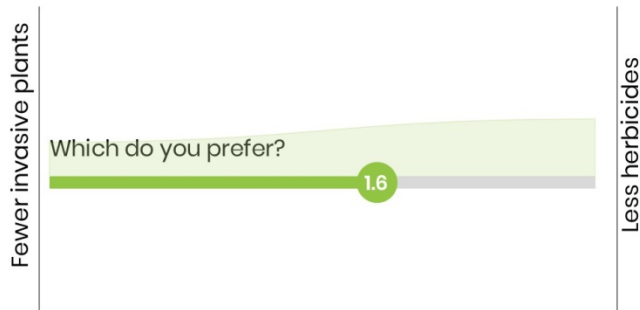
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Ecological Tradeoffs

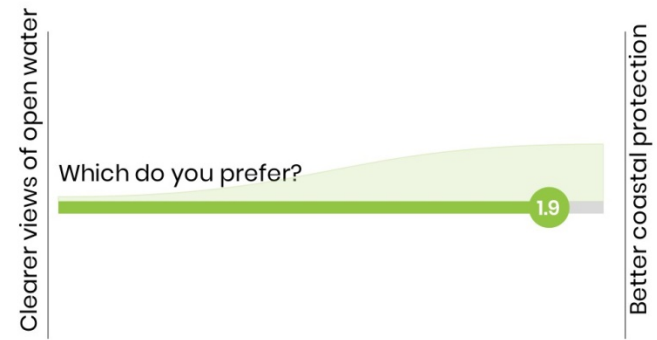
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Ecological Tradeoffs

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AUDIENCE QUESTIONS

Where are you finding the juvenile tarpon

Can we save Lido Beach from Daiquiri Deck?

How do you block a bad project that the public wants?

At what point do we accept exotics/invssive species?

Should we have isolated wildlife or relocate everything to central florida? What is better for wildlife?

How can a stream be “stable”and also meander?

Do you promote the use of native plants in homeowners landscapes as a part of living shorelines and healthy creeks?

What should we do about people feeding wildlife in urban areas?

Who do we contact about urban ecology projects/how do we organize as a community?

Comment - join you local NEP Citizens Advisory Committee to get involved! :)

Are mangrow trees hard to plant?

What are the most effective ways to translate restoration to increased values to community members?

How do we improve equity in urban ecology and better distribute environmental goods?

What would you recommend the balance of development and preservation of Long Bar Point

Should sand continue to be moved from Lido to Siesta?

Is it time to deliver a degree in integrated urban design and ecology to create practitioners?

How will latest “dry sand” restrictions keep us from using our beaches?

How do we get the city to only use native plants in planting and distribution projects?

How can we promote purchase of more beach access points?

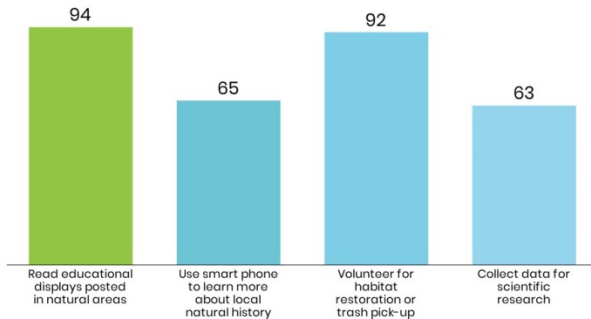
Where do I find information on planting native plants on a storm water pond shoreline? It drains into Sarasota Bay.

Meet Russ Hoffman with Beautiful Ponds — he has been doing local biological pond treatment for years.

Public Education & Engagement

How do you participate in local environmental science?

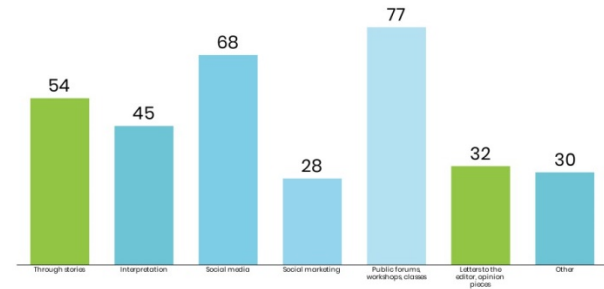
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How do you/your organization engage with the public?

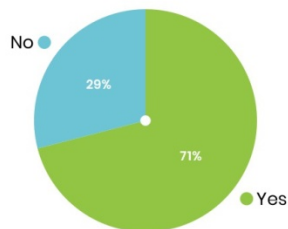
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96

In your opinion, has environmental education and outreach been traditionally exclusive?

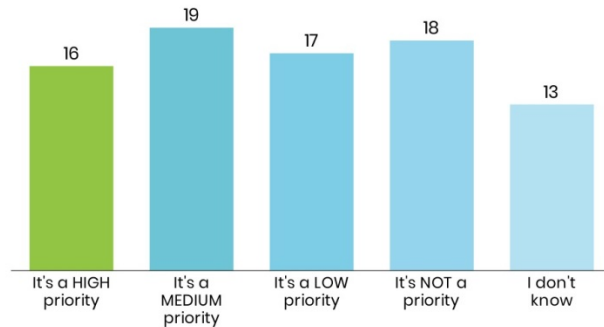
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93

How does your organization prioritize education and outreach to marginalized communities?

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Based on my Summit experience, I am now inspired to ...

Make a difference

Act

Get To Work!

Act on 3 new volunteer opportunities for my family.

Become more inclusive

Continue my passion for 30+ years

Do more of things I already do.

plant one more tree

Be an educator, an active community member, a steward; someone who will make my mentors proud & my world a better place.

Go and do it

Get involved with more local environmental organizations

Add insulation

Mentor

Mentor

Do more

Work with underserved communities

Connect my senior community with youth.

Partner for solar adoption

Learn more, Do more to preserve and protect our environment

Work towards better intersectional environmentalism

ReEngage

Reprioritize to engage with marginalized communities.

Work with my neighbors for a healthier neighborhood and work with community partners

Volunteer for more!

Continue on my goals of lawn to food/native plant projects. Networking with like minded and different minded folk. Talk about real issues

Be an agent of change

Volunteer

Volunteer time to do more for the planet

Dare to network and retire gracefully

I will be more proactive with elected officials and government staff. Tell them what I feel is needed and right.

Share what I have learned with my family, friends and neighbors

Double down and further engage with new enthusiasm and ideas.

Create a workshop for Karen Willey's guides to upload even more information about our amazing cabbage palms so they can spread the gospel.

Less pessimism!!

Collaborate with and communicate with my community through partnership and outreach.
Talk to my friends about climate change and go snorkeling
Be more inclusive
Emotionally connect
Combine all the Environmental Groups, at least in part, together to elect candidates that embrace the same enthusiasm we found in this Summit
Volunteer OUTDOORS.
Push Sarasota County to develop a sustainability plan for HOA/Condo/Co-Op communities on our shoreline!
Take real action on climate change based on project draw down. I needed that level of analysis in order to act
Plant more natives
Facilitate a more connected community
Buy one of the native
Mentor
Mentor
Volunteer
Get a new job
Do the Seagrass Survey
Buy one of the native plants here. How can I do that, through whom?
Do more outreach to get more volunteers
Plant natives
Do more, read more, learn more, engage more
Create partnerships
Be more politically engaged.
Get out and interact! Choose an organization and/or activity and take action.
Be intentional and inclusive
Make more connections
Change my lifestyle, be more engaged and less pessimistic about the future..
Reach out to Sarasota Estuary Program
Go back to school. I need yet another degree
Foster stewardship in groups that haven't been effectively reached.
Be a leader that would make my mentors proud and my earth a better place
Take personal steps for even further improvements at home. More volunteering to share and learn
Diversify
incorporate "Drawdown" into daily life
Reach out to More Marine Volunteer Coordinator
Go and do it
Drag more adults and children into nature, get them hooked and then hopefully get them to volunteer
Connect
Find ways to include more diverse participants in our organization

Make new partnerships to leverage local passion, resources, expertise and vision

Keep on keeping on.

Do a dolphin swim in the FL Keys from my bucket list.

Botanize!!!!

Do more, inspire people

Communicate carefully. Speak slowly about what I know and listen fervently for what I don't

Reach out to minority youth to break down the barriers to engaging in nature!

Attend more community events and think more about how local politics impacts environmental issues.

Help elect good environmental candidates

Advocate

Volunteer

Make more space for wildlife.