



### **CLEAN Social Network Analysis**

Katie Boyd CLEAN Call November 1, 2022













### **CLEAN**

Nationally renowned, award-winning, online clearinghouse featuring:

 Collection of 800+ high-quality, peer-reviewed climate and energy education resources

Pedagogic support/classroom readiness guidance

Vibrant community of practice (CLEAN Network)







### Get Involved

CLEAN is a community effort, brought to you by scores of educators, scientists, and curriculum developers. There are many ways to become part of this project. Join us!





The CLEAN Network is a community of practice of climate and energy education professionals committed to improving climate and energy education efforts.

### CLEAN Network

A professionally diverse community of over 800 members committed to improving climate and energy literacy locally, regionally, nationally, and globally, to enable responsible decisions and actions. The CLEAN Network has been a dynamic group since 2008 and is now led by the <a href="CLEAN Leadership Board">CLEAN Leadership Board</a> established in 2016.

Join the Network to get access to a vibrant email list where members share ideas and resources related to climate and energy literacy and coordinate events. You'll also get the details on our weekly telecons right into your inbox.

Join the CLEAN Network

Email list archive

### Weekly Telecon

Tuesdays at 1pm Eastern time CLEAN Network members meet in a teleconference to collaborate and share information about their literacy work, upcoming events, opportunities for collaboration or funding. Frequently guest speakers present on the topic of climate and energy literacy.

Recent and upcoming telecon topics and speakers »



Vibrant community of educators, scientists, science educational professionals, government agency reps, etc.

Active email list

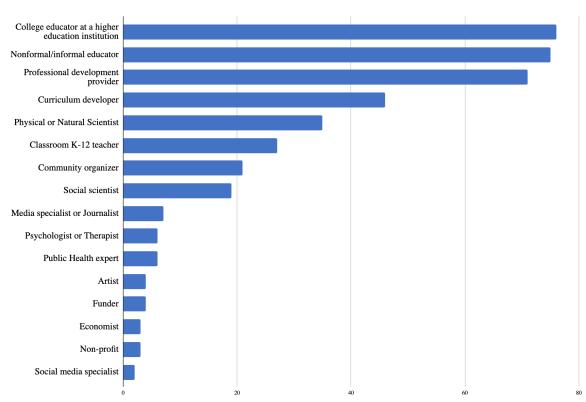
Weekly teleconference calls







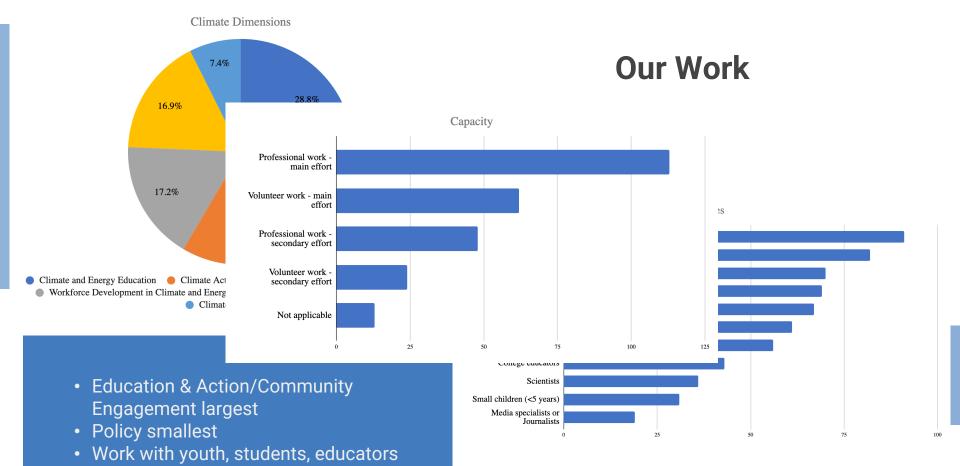




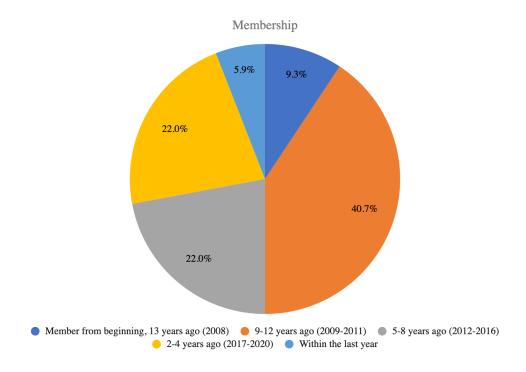
Our Work

Educators/Educator support Scientists Community Organizers







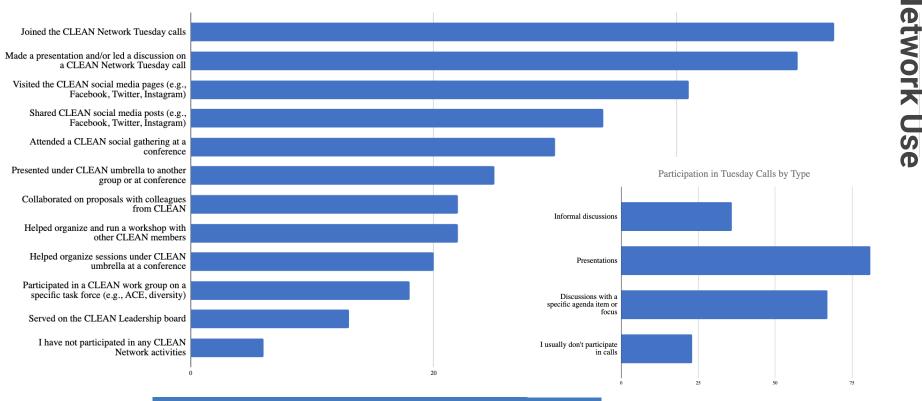


### Membership

- Most joined in last ~decade
- Consistent new membership



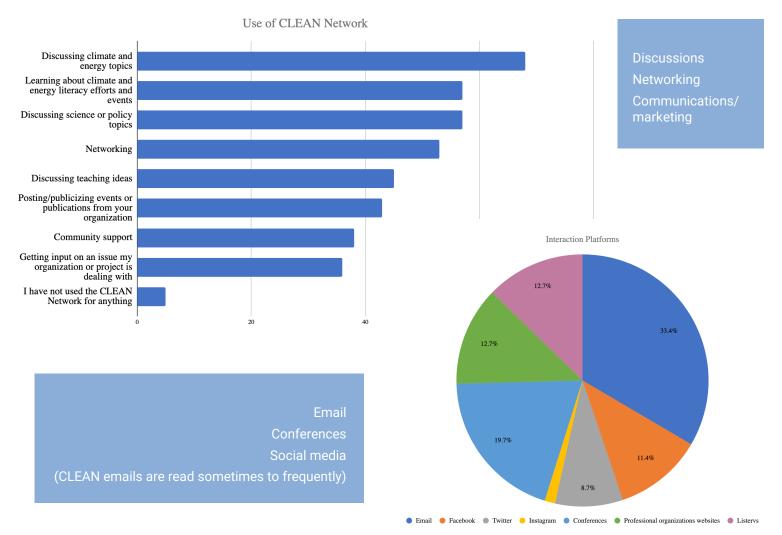




Partipation in CLEAN Network Activities

**Tuesday Calls** Social Media Conferences









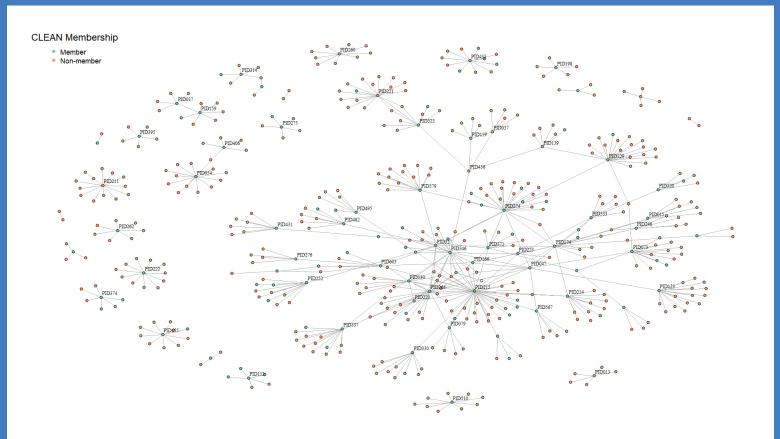
	# Nodes	# Ties	Average Degree	Density	Components	Connectednes s	Diameter
Education- People	403	616	1.529	0.004	128	0.23	9
Education- Organizations	183	484	2.645	0.015	41	0.61	6
Action- People	302	320	1.06	0.004	156	0.029	6
Action- Organizations	141	208	1.475	0.011	64	0.297	8
DEIAR- People	294	284	0.966	0.003	161	0.034	9
DEIAR- Organizations	130	144	1.108	0.009	69	0.204	8
Workforce- People	232	126	0.543	0.002	170	0.008	3
Workforce- Organizations	124	102	0.823	0.007	77	0.13	7
Policy- People	195	64	0.328	0.002	165	0.01	5
Policy- Organizations	117	88	0.752	0.006	78	0.109	9

\*Organizations with highest degree centrality across four dimensions were independent (Education, Action, DEIAR, Workforce). Others were CLEAN partners, leadership board members, and organizations with ties to central figures in CLEAN Network

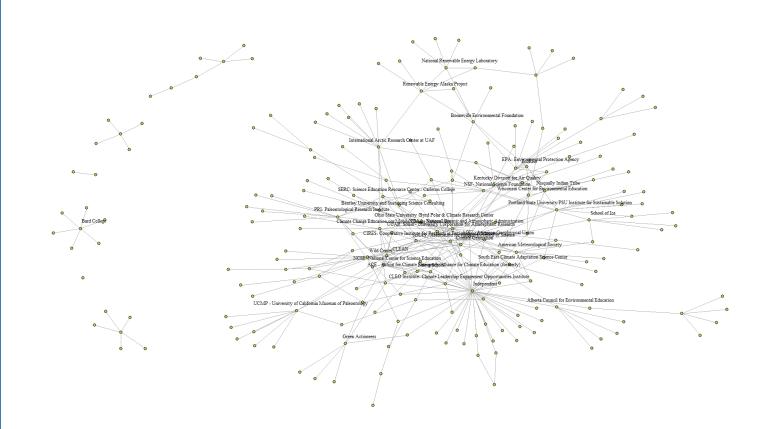


# Alberta Council for Environmental Education











# **CLEAN Membership** MemberNon-member



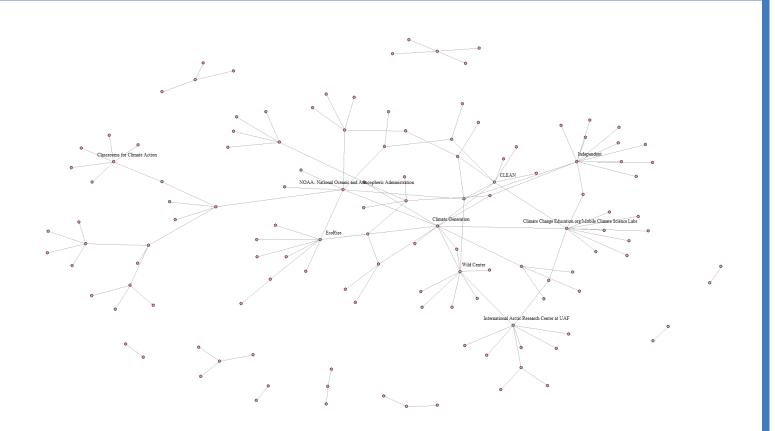
### Plan International NOAA. National Oceanic and Atmospheric Administration CIRES- Cooperative Institute for Research in Environmental Sciences Climate Generation ACE - Action for Climate Efficiency Alliance for Climate Education (formerly) PRI- Paleontological Research Institute Portland State University PSU Institute for Sustainable Solution WGBH Educational Foundation

# **ACTION ORGS**



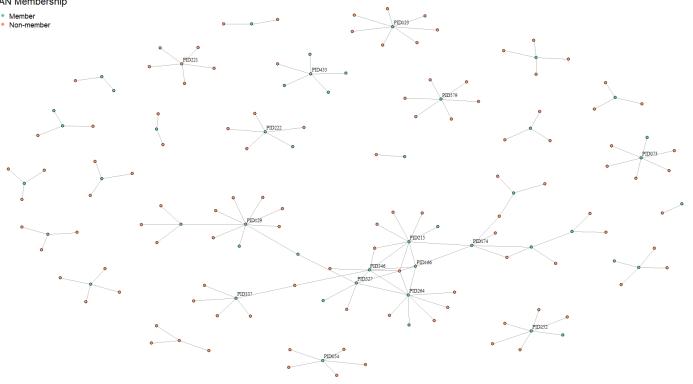
## **CLEAN Membership** MemberNon-member PID047 PID346



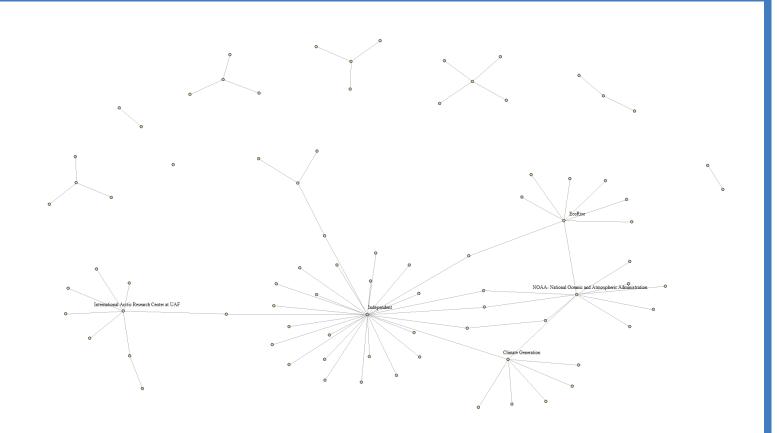




# **CLEAN Membership** MemberNon-member



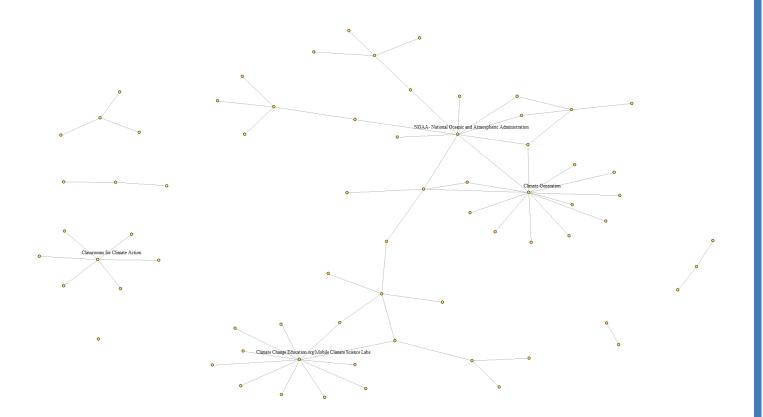




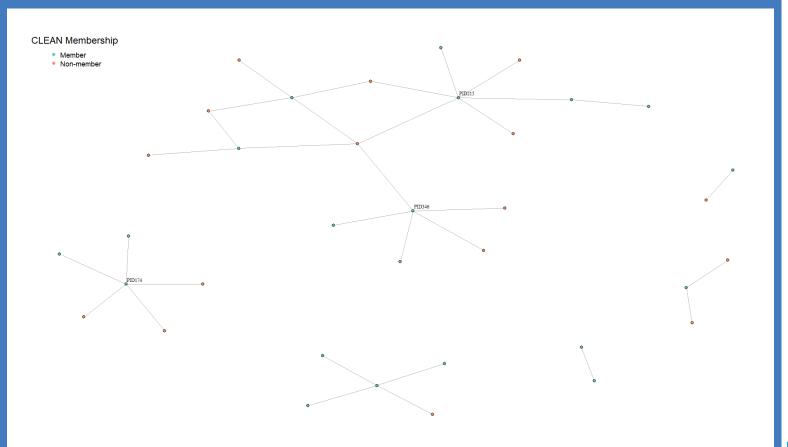


## **CLEAN Membership** MemberNon-member PID215 PID211











### **Grow the Network**

Send invitations to non network members

Ask key nodes to send invitations to connections

### **Increase Centrality**

Invite key nodes to participate more Find ways to make more connections (e.g. ACCELS)

### **Landscape Analysis**

Survey connections listed and reanalyze data to get a better picture of the larger climate education field (defined broadly)

### **Funding??**

With ACCELS evaluation data, hoping to use this to find funding for CLEAN Network activities



### **Conclusions**







People find value in CLEAN



 CLEAN can be considered a backbone organization for climate education work



CLEAN is important for sharing information



Communication happens through the network



Bridgers are important for connecting members & non members as well as regional hubs



CLEAN strongest in education with bridges to other fields/dimensions





### **THANKS**

Questions?

Please follow CLEAN updates

clean@colorado.edu https://cleanet.org













