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Presents

CHAT TRANSCRIPT
Blue Sky Hero Citizen Science Webinar
Dr. Kim Cobb, Dr. Na'Taki Osborne-Jelks, Dave Bakker, Robby Douthitt
September 23, 2021

00:26:43	Jeffery Saunders:	yes
00:27:32	Charles Neely:	I can
00:27:44	Andrew Kirk: Hear you fine	
00:27:44	Oghaghare Okobiah:	yes
00:27:45	Rosa Catala: yes	
00:27:46	Mourad El Karkri:	Hi everybody, happy to meet you again, my name is

Mourad, am a teacher of physics in morocco

00:27:47	Haridas Chandran: Yes	
00:27:47	Jeffery Saunders:	yes
00:27:49	SUZANNE BARTON:	yes
00:27:49	Jerry Jones: loud and clear.	
00:27:50	Senura Ranmina:	yes
00:27:51	JOHN FYNN: YES	
00:27:57	Oghaghare Okobiah:	nyc
00:27:57	Jeffery Saunders:	Winston-Salem
00:27:58	Mourad El Karkri:	MOROCCO
00:27:58	Joy McCourt: Toronto, Ontario, Canada	
00:27:59	Haridas Chandran: Belfry, KY	
00:27:59	Evelyn Roman:	Yes. New York City
00:27:59	Lucy Mellen: Richmond, Indiana	
00:28:00	Jerry Jones: Wilmington, NC	

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00:28:01   Scott Kiessig | ScIC - PocketLab: Welcome, everyone! Let's see who is in the chat with us. Tell everyone where you are in the world, your job title, what school you are with, and which science discipline you teach.
00:28:02   Rosa Catala: JC, NJ
00:28:02   Daniel: BURBANK, CA
00:28:02   Andrew Kirk: Dothan, AL…Physics and Biology
00:28:03   Arianna Colasanti: Austin, TX
00:28:04   Brandon Priest: Louisville KY
00:28:05   Claire Lannoye-Hall: Metro Detroit Area
00:28:06   Karan Wood: Atlanta GA
00:28:07   Michelle Ruigrok: Saint John, NB (Canada)
00:28:07   JOHN FYNN: Florida
00:28:07   Laura Hernández Lerma: Jalisco, México
00:28:07   Michael Wilkinson: Bronx, NY
00:28:09   CARRIE REPP: Phoenix, AZ
00:28:09   Stephen Snyder: Chapel hill, NC
00:28:10   Robert Pratt: Midlothian, VA (near Richmond)
00:28:10   Karen Van Bebber: Huntsville, Alabama
00:28:10   Charles Neely: old town, maine
00:28:10   Anja Pennell: Hartford, CT
00:28:11   Michael Lewon: STEM Director from Hillsborough NJ
00:28:11   Robyn Embry: Indiana
00:28:11   Michelle Hafey: Wilmington, NC
00:28:11   Raymond Sweet: New Orleans, Louisiana
00:28:13   Jennifer Edmonds-Jones: San Antonio, TX
00:28:13   Catherine Grubin: Seattle WA
00:28:14   Keri Lynn Mitchell: Saint John NB Canada
00:28:16   SUZANNE BARTON: St. Andrew, Jamaica West Indies
00:28:17   LeeAnn Hockenhull: new mexico
00:28:19   Cynthia Ahmed: Evansville, IN
00:28:23   F S Mack: St. Louis, MO
00:28:23   Senura Ranmina: I'm from Sri Lanka
00:28:28   Georgescu Cristina: Romania
00:28:33   Shirlee Richardson-Miller: Jacksonville,
00:28:37   Shirlee Richardson-Miller: F
00:28:46   Scott Kiessig | ScIC - PocketLab: Sign up for ScIC7 at https://www.thepocketlab.com/scic7
00:28:50   Valarie Kerr-Davis: St. Lucia good afternoon
00:28:50   Alla Kvashchenko: Yes.Ukraine

00:28:56   Omowumi ALABI: Greetings from Nigeria!
00:28:57   John Eyre: John Eyre Stockport, UK.
00:29:00   Galyna Petryk: Hello from Ukraine
00:29:14   Mourad El Karkri: let's put our mails that we will be in contact mourad.karkri@gmail.com
00:29:29   Jane Chukwudebelu: Nigeria
00:29:30   Jane Chukwudebelu: g
00:29:38   Yusuf Satilmis: How to turn off translation
00:30:05   Scott Kiessig | ScIC - PocketLab: Learn more about UrbanHeatATL at https://urbanheatatl.org/
00:30:21   Tiffany Jones: Atlanta, GA Engineering Teacher Ivy Prep Academy Engineering
00:30:57   Dave Bakker | ScIC - PocketLab: HI Everyone!!
00:30:59   Jane Chukwudebelu: Good evening everyone. Jane from Nigeria
00:31:24   Dave Bakker | ScIC - PocketLab: Jane, welcome!!
00:31:27   Scott Kiessig | ScIC - PocketLab: Drop your questions in the chat for us to answer.
00:31:28   Jeffery Saunders: hi Jane
00:31:36   Susan Lyons-Joell: high school science teacher, greater Philadelphia area, PA, USA. 90% African-American urban population.
00:32:27   David Padgett: David Padgett - Nashville TN
00:32:56   Kristi Fehr: I'm Kristi Fehr,a K-5 STEM Teacher from Lexington, Ky.
00:32:59   Nagwa Rashed: Greetings from Japan
00:33:12   BENEFFER T. SIOSE: BENEFFER T. SIOSE.. Good morning everyone. Senior High School Science science teacher from Philippines
00:33:14   Scott Kiessig | ScIC - PocketLab: Raymond- you can turn the captions off in your settings
00:35:08   Georgescu Cristina: Do we get a certificate of attendance?
00:35:28   Scott Kiessig | ScIC - PocketLab: Georgescu- yes
00:35:34   paul nugent: Hi Everyone from Dublin Ireland
00:35:44   Dave Bakker | ScIC - PocketLab: hi paul! Welcome!
00:39:33   Shalem Sultan: Good Afternoon
00:39:35   Tanka Bahadur Karki: Hello ! Good Morning everyone from Nepal 🙏
00:39:40   Raymond Sweet: Also, redlining includes under resourcing communities
00:40:03   Raymond Sweet: Am I the only one having issues with Closed caption?
00:40:23   Shalem Sultan: Good Evening from Guyana

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00:40:56   Raymond Sweet: And some realtors, landlords and banks still practice "redlining".

00:40:58   Scott Kiessig | ScIC - PocketLab: Sorry Raymond. You should be able to shut off from your end. You might need to try quitting Zoom and restarting.

00:41:19   Scott Kiessig | ScIC - PocketLab: Learn more about UrbanHeatATL at https://urbanheatatl.org/

00:41:35   Raymond Sweet: @Scott. I can turn it off, but closed caption available keeps popping up.

00:41:40   Raymond Sweet: brb I guess

00:41:41   PREDICANDO MALABAYABAS: good day from Philippines,,thank you for this opportunity..

00:42:19   Scott Kiessig | ScIC - PocketLab: Raymond- there should be an X to be able to get rid of that

00:43:31   Rob O'Flaherty: Do you know If there are other orgs doing the same work in other major cities? (NYC, for example)

00:43:38   Jennifer Edmonds-Jones: What tools/technology are using to collect data?

00:43:46   Stephen Snyder: What is your grid size in the urban areas form recording heat? 10m, 25m, 50m, 100m?

00:44:33   John Porter: Are personal weather stations (PWS) included in data collection?

00:46:38   Raymond Sweet: @Rob there is a weather thingy in New Orleans for the urban heat island affect.

00:47:13   Scott Kiessig | ScIC - PocketLab: https://www.wabe.org/mapping-atlantas-heat-to-help-the-citys-most-vulnerable/

00:47:15   Korin Tangtrakul: In your data analysis, how are you accounting for day to day variations in the weather?

00:47:37   Karan Wood: Are you correlating data being collected to historically redlined neighborhoods? Or communities where there are more current indicators of people living in poverty? Are tree being mapped at the same time?

00:47:54   Raymond Sweet: @Scott -- it's still here, but I will stop whining about it.

00:48:07   Korin Tangtrakul: @Rob we are working on a much smaller scale project in Philadelphia (out of Drexel U)

00:48:35   Maureen Missavage: WEEK OF SEPTEMBER 7 -
Look at your Class2025Student Email for videos of Ms. Missavage at home after Hurricane Ida.

00:48:55   Maureen Missavage: ISeeChange is an App used in New Orleans that you might be referencing.

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00:50:09   Raymond Sweet: My mother is in her 80's. Her ac broke in the summer of 2020. She had to take out a loan to get a new one. and she didn't qualify for the amount that one vendor wanted to charge.

00:52:42   Meagan Moore: https://labucketbrigade.org/ - Overlapping with resources like pollution/air quality monitoring like what the bucket brigade does in Louisiana might be interesting in addition to comparing the tree coverage overlap that was previously mentioned.

00:52:46   Susan Lyons-Joell: can you advise on apps that can be used to gather heat and ground cover data easily? the most accessible tech my students have is their smartphones.

00:53:49   Jeffrey Glenn: What the new story and find of paint that is the whitest color ever to reflect the heat?

00:54:14   Susan Lyons-Joell: have you seen any significant changes in urban areas with water and greening activities like rain gardens, curb cuts, vacant lot gardens, porous pavement?

00:55:44   patti lawrimore: love the pocket weather… Riverwood High is also using those for microclimate data on campus. Kids are loving it!

00:56:22   John Porter: Pocket weather, that's great!

01:02:25   Raymond Sweet: our government budgets are usually 3 years old. We gotta change the way we do business.

01:05:11   Raymond Sweet: our city completed a huge gi project in one of our neighborhoods. I'm afraid it was done 'to' the community. So, in a couple years from now the gi practices may not work any more.

01:05:34   Daniel: This has been great to listen in on. I am not a teacher but I am a fan. Go Teachers! Go Science! This has been great to hear. Have to go. Thank you!

01:05:47   Scott Kiessig | ScIC - PocketLab: You can access the heat island lesson here: https://app.thepocketlab.com/lab-report/fNZoTkiI0001K6Ep?ro=1&ref=%2Fhome

01:10:38   Scott Kiessig | ScIC - PocketLab: Barkeley- you can use the app and collect data manually too. The sensor devices make the data collection easier but the app will work without.

01:10:40   Kenna AnduhaYoung: Can 30ft up solar cells help? like some parking lots in phx az? trees under those?

01:10:54   Jenny Ernst: Ideas for K-5 applications?

01:11:53   Nagwa Rashed: Are there any available data on the pollutants in the area to relate to. I teach chemistry, and it can be a great opportunity to show students the relationship with the actual amount of greenhouse gases.

01:12:35   Scott Kiessig | ScIC - PocketLab: Nagwa- For that you would need a more advanced sensor to use such as the PocketLab Air

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01:13:03   Justin Betzelberger: Thank you to both of our experts for your work and the conversation today. This dashboard offers a great look at how Climate Change disproportionately affects our most vulnerable communities which are primarily communities of color. The effects of redlining continue to impact communities today. https://www.arcgis.com/apps/dashboards/73e329457b6644e7aeff13ecce43c8d8

01:13:13   David Padgett: This has been extremely informative, thank you. Where/when will the recording be available?

01:13:41   Scott Kiessig | ScIC - PocketLab: David- we will send out in a couple days

01:13:48   Oghaghare Okobiah: even soil temperatures could be mapped to see effects on crops, building structures etc

01:13:55   Phil Bresnahan: @Nagwa, I just looked into this earlier today. I make CO_2 sensors for my research and noticed that PocketLab already has one! It measures other air quality stuff, too.

01:15:00   Scott Kiessig | ScIC - PocketLab: Yes Phil! We are actually doing another project like this one using our Air sensor to measure pollution levels at the pick up/drop off lines of schools at different times throughout the day

01:15:20   David Padgett: @Scott - Thanks!

01:15:47   Phil Bresnahan: @Nagwa, https://www.thepocketlab.com/sensors shows the air quality sensor. Here's what we did for my class: https://github.com/uncw-ocean-field-methods/ocn390_2021spring/tree/main/Sensor-Dev

01:16:00   Michelle Sipe: Robby, would you suggest pocketlab voyager or weather sensors, if you wanted to collect temp data with students? If you also wanted to do air quality, would the voyager be better?

01:16:06   Phil Bresnahan: Thanks, Scott!

01:16:19   Joy McCourt: Is it possible to save the chat to access these links later? I don't see the option I'm used to to do so myself

01:16:52   Scott Kiessig | ScIC - PocketLab: Michelle- if you want air quality AND temperature, you would need the PocketLab Air

01:17:09   Karan Wood: If students without Pocket Lab sensors are using rapid read thermometers to collect data on temperatures in their schoolyards based on different surfaces and tree cover, is there a place where that data can be uploaded so that it is incorporated into the Urban Heat ATL Project? In other words, has a citizen science project been created where data can be contributed by those other than the Spelman and Ga Tech students?

01:17:55   Scott Kiessig | ScIC - PocketLab: Michelle- The PocketLab Weather or Thermo would be sufficient for temperature only collection. Voyager would work as

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well plus give you a ton of physics functionality for other lessons. But the Voyager is a little more expensive.

01:18:02   Raymond Sweet: Thank you Dr. Osborne Jelks for your work in this area.

01:18:17   Kim Cobb | Global Change Program / Georgia Tech: If any students would like to get involved in collecting data, we would love that! Email kcobb@gatech.edu

01:18:34   Tiffany Jones: Yes definitely

01:19:08   patti lawrimore: I am pretty close to Ga Tech.. any chance your students might want to talk with mine? (High school.. sandy springs)

01:19:15   Scott Kiessig | ScIC - PocketLab: Joy- the chat will be linked with the video recording when we send that out next week

01:19:19   Adrienne Sawyer: Our city is looking to plant trees in heat island areas. Not many families
 have responded to wanting the free trees. If the schools partner w/ the city to collect data, the families might want the trees as their children are invested. Long term data would be awesome to see the effect of increasing the canopy on the temp.

01:20:12   Raymond Sweet: A lot of people don't want the work required for trees. We have to educate before doing.

01:20:47   Adrienne Sawyer: We are educating as well. This is part of our city's tree board.

01:21:20   Tiffany Jones: Are all the panelist going to leave their contact information for us?

01:21:53   Scott Kiessig | ScIC - PocketLab: You can reach Dr Na'Taki at nosborne@spelman.edu

01:22:08   Jennifer Edmonds-Jones: Will this meeting be available to view or share with others that are unable to attend?

01:22:09   Scott Kiessig | ScIC - PocketLab: You can reach Kim at kcobb@gatech.edu

01:22:19   Scott Kiessig | ScIC - PocketLab: Jennifer- we will send the recording out soon

01:22:27   Scott Kiessig | ScIC - PocketLab: Haridas- yes

01:24:14   Scott Kiessig | ScIC - PocketLab: Get your students doing a similar project with this free lesson plan. You can access the heat island lesson here: https://app.thepocketlab.com/lab-report/fNZoTkil0001K6Ep?ro=1&ref=%2Fhome

01:24:16   Mourad El Karkri: where can we find this discussion please ?

01:24:49   Scott Kiessig | ScIC - PocketLab: Mourad- do you mean the chat? It will be available with the video recording early next week.

01:25:36   patti lawrimore: 500 ft

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01:26:05   Raymond Sweet: this was great. thank you for all your work

01:26:15   Karan Wood: In terms of providing the most useful "apples to apples" data for your database, as Dr Jelks mentioned, what are the key protocols? time of day? distance above surface where temp is taken? location by street address or GPS? observations in area that should be recorded?

01:26:27   Cynthia Ahmed: I am in a 6 story building in an urban area. I would love to put my pocket lab sensors out the window on each floor and compare (I have 5), but the windows don't open. We are walking distance from the Ohio River at the end of the street. Maybe just measure every so many meters between here and the river?

01:26:37   Jerry Jones: have you seen declining differentials in cities that are younger versus those that are older?

01:27:03   Evelyn Roman: I'm Science Educator in NYC and collaborated with Columbia University International Research Institute for Climate and Society - in the development of a Climate Change and Sustainability Curriculum for HS Students we have a course that has been taught now for 9 years. It was part of a NSF CAREER Grant Initiative.

01:28:15   PREDICANDO MALABAYABAS: Teacher Robby can I have your email add am also a teacher here in Philippines „so I can ask more about pocketlab for my junior high students with relation to environment lesson…thanak you..

01:28:56   Scott Kiessig | ScIC - PocketLab: Predicando-support@thepocketlab.com

01:29:09   Mourad El Karkri: Yes Scott I mean the chat

01:29:23   Scott Kiessig | ScIC - PocketLab: Learn more about citizen science with PocketLab here https://www.thepocketlab.com/blue-sky-hero

01:29:28   Karan Wood: It seems that the function for copying the Chat is disabled. Would the organizers be willing to copy this before the session ends and send it to registered participants?

01:30:04   Scott Kiessig | ScIC - PocketLab: Karan- we will send out the recording of the webinar with the chat transcript early next week

01:30:10   PREDICANDO MALABAYABAS: noted Teacher Robby„thanks a lot..

01:30:59   Scott Kiessig | ScIC - PocketLab: Learn more about citizen science with PocketLab here https://www.thepocketlab.com/blue-sky-hero
Learn more about UrbanHeatATL at https://urbanheatatl.org/
You can reach Dr Na'Taki at nosborne@spelman.edu
You can reach Kim at kcobb@gatech.edu
You can reach the PocketLab team at contact@thepocketlab.com

01:31:12   Jennifer Edmonds-Jones: Karan - I just clicked on the link and it opened in a new tab so I can look and/or save the site after the talk.

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01:31:17   Phil Bresnahan: Do PocketLab or UrbanHeatATL provide resources for engineering students to learn how these devices (and the associated apps) work? Like letting them wire, solder, code, etc.?

01:31:30   PREDICANDO MALABAYABAS: yes Im glad to email you Sir Robby..

01:32:11   Scott Kiessig | ScIC - PocketLab: Phil- You can sign up for PocketLab training here https://www.thepocketlab.com/training

01:32:14   Korin Tangtrakul: incredible and impressive project. thank you Dr. Jelks and Dr. Cobb!! It's inspirational for our work in Philadelphia

01:32:43   John Porter: Really some excellent ideas and info👍! Tks to all.

01:33:32   JOHN FYNN: Thanks to you all Got me thinking of some interesting projects my students can begin to work on

01:33:49   Kathy During: I have never heard of pocket lab. I will try it for the 8th gr classroom.

01:34:04   Bethany Little: Thanks for this! I am excited to get my students involved in collecting data.

01:34:26   Michelle Sipe: Thank you so much!!!

01:34:32   Scott Kiessig | ScIC - PocketLab: Brenda- We have a lot of ready-to-use science lessons in our lesson library on Notebook which you can access for free... https://thepocketlab.com/lessons

01:34:32   Jerry Jones: Inspirational work! Thank you so much!

01:34:33   Scott Kiessig | ScIC - PocketLab: Brenda- all grade levels... k-12

01:34:37   Daria Collins: thank you!

01:34:46   Mourad El Karkri: thank you all

01:34:48   Juan Venegas: Thank you!

01:34:48   R Baker: Thank you! 😊

01:34:50   John Eyre: All the best thanks for your ideas!

01:34:51   Corina Starn: This sounds very exciting! Thank you !

01:34:53   Mourad El Karkri: :)

01:34:54   Kim Cobb | Global Change Program / Georgia Tech: @coralsncaves

01:34:55   Michelle Ruigrok: Thanks

01:34:56   Diane Hickey: Thank you all - I certainly hope the citizen science continues and blazes on!

01:35:01   Karan Wood: Thanks for letting us know about this amazing project!

01:35:04   Scott Kiessig | ScIC - PocketLab: Learn more about citizen science with PocketLab here https://www.thepocketlab.com/blue-sky-hero
Learn more about UrbanHeatATL at https://urbanheatatl.org/
You can reach Dr Na'Taki at nosborne@spelman.edu
You can reach Kim at kcobb@gatech.edu

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01:35:09   PREDICANDO MALABAYABAS: Salamat PocketLab Team for the opportunity to share wiyh this kind of knowledge,,thank you also Dr Na Ta ki and Madam Kim and Sir Dave

01:35:09   Kathy During: Thank you this has been Great   Roll Tide

01:35:12   Rebecca Wingerden: Thanks!!

01:35:20   Jennifer Edmonds-Jones: Thank you! This was great and inspiring for my 9 year old!

01:35:22   Karen Alcivar: thanks

01:35:39   Senura Ranmina: thank you

01:35:53   Tanka Bahadur Karki: Thank you !

01:35:54   Dave Bakker | ScIC - PocketLab: Thanks everyone!!!

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