What does Public Lab mean to me?

A resource

A place to share

A place to be inspired

Helping me to do good work

Getting to meet amazing new & inspiring people

What do I love about Public Lab?

All the people I’ve met that are doing good work

Being inspired by the people & projects putting through the Public Lab

Meeting up in person with other Public Labbers - inspiring each other!

Helps to democratis science

Can change our cities; way the citizens with them

How can communicate data/diy tools; change the world
WHY DID YOU GET INVOLVED WITH PUBLIC LAB?

MY FRIEND JARED NIELSEN TOLD ME ABOUT BALLOON MAPPING

WE DECIDED TO BALLOON MAP THE NATURAL HISTORY MUSEUM OF LA COUNTY’S NATURE GARDENS

IT WAS SO COOL

THEN I BALLOON MAPPED A SECTION OF THE LA RIVER

NOW I KEEP DOING IT AND WANT TO TEACH OTHERS

WORKING WITH KAT SUPERFISKY, MARIA LA MADRID, KEN GRUNDE

THE DATA COLLECTED CAN HELP US BUILD CITIES THAT WORK BETTER FOR HUMANS, WEALTH AND THE WORLD AT LARGE!!
During the early part of 2015, as we remembered the roots of Public Lab grounded in responding to the largest oil disaster in U.S. history, we also celebrated the 5th anniversary of what was then called the “grassroots mapping” community. Thinking back to 2010, we were at an early moment in the ensuing burst of energy into the open hardware and civic media space and our motley crew demonstrated what a collaboration could look like that combined environmental questions with community science methods and open, accessible technology. In 2015, some of the community members shared their favorite memories, all of which encapsulated pieces of Public Lab’s spirit. I’d like to share a couple that stood out to me:

“My favorite memory was getting a call from the environmentalist that ran Sea Shepherd and they needed an extra photographer to take pictures of the BP Oil Spill from a seaplane...The first several hours involved being marooned on a lake somewhere in the bayou, but once we went airborne, we got to fly over the site of the Deepwater Horizon spill itself, bearing witness up close to the fire, the spill, and the disaster. But it also represented a summer of working with people who cared, deeply, operating at the intersections of justice, environment, and human rights, and I’m humbled that I got to see that so closely.”

- Kris Ansin

“I was a student at the Media Lab in 2009, when the oil was still gurgling out of a hole in the bottom of the gulf, and Jeff [Warren], Public Lab co-founder, started talking about what we were going to do about it. My answer had to do with a boycott of BP, and his had something to do with balloons. We decided to help each other out; I was an aeronautics engineer by earlier training, and asked Jeff if he’d at least done the math to determine how much helium we needed to fly a camera, and if he’d gotten the permits necessary to do it in busy Boston airspace. The answer to both was “no”, but in true MIT fashion, we proceeded nevertheless. Christina Xu’s photos capture the can-do spirit and “to the wind” attitude, which has persisted in Public Lab to this day.”

- Josh Levinger
This exploratory, collaborative spirit identified in 2010 has continued across the years. It was certainly found in what many thought to be a highlight of 2015, the regional Barnraising in Chicago where a range of groups such as CivicLab, Chicago State University, college students from Argonne National Laboratory, and the Southeast Environmental Task Force came together over a weekend. During the Barnraising the groups collaborated on mapping open petroleum coke piles in Chicago. Partnerships formed at Barnraising have endured, with the groups continuing to collaborate around particulate monitoring, mapping, and coal pile measuring, the work resulting in an article in Slate featuring efforts of the Chicago group.

During 2015 we also made huge strides towards maturity as an organization, welcoming a new focus around data advocacy into Public Lab. The launch of this program area has proved important in providing critical support for groups who are advocating for positive change in their communities by supporting people as they ask questions, interpret and decipher the information available, gather new data, and present it in ways that will be impactful. From a refugee camp in Lebanon using data to advocate for green space to aerial images supporting litigation around a polluting coal terminal in Louisiana, it has been impressive to see the range of ways that community science has brought people together to be actively engaged in sculpting the future of places they care about.

In 2016, we’re excited about both the new projects that will ramp up and expansion of existing projects. We’re focusing on building evaluations of the impacts of the Public Lab model into all facets of our community, expanding our work on the Oil and Gas Accountability toolkit, strengthening exciting partnerships with an assortment of new organizations, and putting substantial time into ensuring publiclab.org is easy to use and a great resource for community science and open hardware practitioners.

Thank you all for your support during 2015; we’re excited about what 2016 will bring!

Shannon Dosemagen
Table of Contents

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>2015 Project Highlights</td>
<td>09</td>
</tr>
<tr>
<td>Kits Initiative</td>
<td>13</td>
</tr>
<tr>
<td>Community Growth</td>
<td>16</td>
</tr>
<tr>
<td>Selected Events</td>
<td>19</td>
</tr>
<tr>
<td>Partners, Staff, Organizers &amp; Donors</td>
<td>23</td>
</tr>
<tr>
<td>Finances</td>
<td>31</td>
</tr>
<tr>
<td>Public Lab in the Media</td>
<td>33</td>
</tr>
</tbody>
</table>
The New Orleans Green Team pole mapping Bayou Bienvenue. Photo Stevie Lewis.
2015 Project Highlights

Barnraisings

In 2015 Public Lab hosted two successful Barnraisings: a Regional Barnraising in Chicago that nucleated development of the Public Lab Chicago chapter, the establishment of a research partnership with Chicago State University, and further developed relationships with community members facing petcoke pollution. The Annual Barnraising in Louisiana was well-attended with 65 participants, including 40 first-time participants, and established a popular daily highlights newspaper - The Barnraiser.

OPEN WATER INITIATIVE
Oil Testing with Spectrometry

During 2015 Public Lab released the latest version of the DIY spectrometer, using stiff black paper that reduces internal light scattering and can ship easily. As an important functional addition to the spectrometer, we built and beta-tested the Oil Testing Kit, allowing users to collect fluorescence spectra of different grades of oil (e.g. crude versus motor) and compare unknown kinds of oil with known spectra to try to discern the grade of unknown oil. The oil testing kit was the focus of several spurred projects including developing a method to collect oil sheens from water (in order to analyze them) and exploring the effects of oil sample dilution on fluorescence spectra. Several community members are also actively exploring hardware modifications to improve the data quality for data collected with the spectrometer, and software updates that can expand the utility of the spectrometers.
Reliably monitoring water conditions in real-time, and gaining access to that data remotely, has been a considerable focus in Public Lab this year. Several community projects were launched, deploying conductivity and temperature sensors in river networks in West Virginia and Colombia, and monitoring the live data through remote access. We now have a deployable sensor-plus-datalogger enclosure system, a low-cost Public Lab datalogger for data storage, and alpha-version remote data access systems through cellular and wireless networks. These components and other compatible sensors will be further developed in 2016. More Public Lab community members have developed a variety of water sensors aimed at providing information on aspects of drinking water quality, too.

There was a lot of energy in 2015 around measuring and remediating formaldehyde in indoor air. After modifying aquarium pumps and producing a low-cost airflow calibration tool (which reliably uses bubble speed to determine air velocity), and using commercially available formaldehyde detection tubes, we produced DIY qualitative formaldehyde detection kits. Pairing the same air pumps with plants whose root zone bacteria can metabolize formaldehyde, we also prototyped formaldehyde remediation kits for home environments. People can monitor the effects of that plant remediation kit on their indoor air formaldehyde concentration using the DIY formaldehyde detection kits. The plant-based remediation system has substantially reduced formaldehyde levels and has improved health conditions for the community member who pilot-tested this system. In addition to plant-based formaldehyde remediation kits, plant-free kits based on bacterial broths are under development.
OPEN AIR INITIATIVE

Particle Monitoring

Public Lab communities worked on developing optical real-time particle sensors and passive particle monitors to monitor air quality in areas impacted by dusty industrial processes, including industrial sand mining and petcoke storage and transfer. Optical sensors have been piloted with remote data access, and will be linked with alert systems. Large strides have been made in the development of a reliable, low-cost passive particle monitor, and a few passive particle monitors have been deployed while Public Lab members continue working on improving sample analysis techniques. Keep a look out for more particle pollution monitoring updates in 2016.

OPEN LAND INITIATIVE

Aerial Mapping for Societal Exposure

Public Lab community members continue to expand the utility of traditional mapping tools to promote a grassroots perspective on how our communities and environments are situated, providing commentary to or challenging traditional social constructs and power dynamics. In 2015, community members mapped contiguous land in Israel and Palestine where politics impede freedom of movement, other community members produced the first community-accessible aerial map of a long-term refugee camp, and another member created a pole-mapping component for a “Manual for Public Spaces,” with which people explore how space is used in their community and others.

Creating a Community Science Evaluation Framework

The Public Lab community has created a unique model that combines civic technology and community science to support people in becoming stakeholders engaged in places they care about. A strong evaluation program is key to the long term growth and success of every organization, but is especially important for Public Lab because we focus not just on breadth of engagement, but also depth of engagement, which requires a more nuanced understanding of who is participating, how, and why. During the next several years, Public Lab with partner UC - Davis, will be:

• Doing a quantitative and qualitative snapshot evaluation of Public Lab to understand where we are at to date regarding participation and impact.

• Creating an evaluation framework that Public Lab can implement to measure impact into the future. This will allow an evaluation ethos to be built into Public Lab such that nonprofit staff are able to systematically learn about engagement in Public Lab and improve impact going forward.

• Creating a public facing evaluation framework that other community science groups can use for project evaluation.
DIY tools in our Kits shipping area, located in Portland, Oregon.
Kits Initiative

Civic Kits Initiative

Public Lab’s Civic Kits Initiative creates, assembles, and distributes toolkits from the open research designs of the Public Lab community to foster accessible science by placing tools in the hands of people who need them.

To make this happen, the Public Lab community works together to create and improve open source, DIY plans for a variety of science tools, many of which are sold through Public Lab’s online store. By researching costs and buying materials in bulk, the Kits Initiative is able to make these tools into DIY kits that are useful, educational, and affordable. All proceeds from these kits support the work of the Public Lab nonprofit.

27,000 kits distributed to date; 5,000 in 2015
Total kit sales in 2015 were $170,692.90
DIY Spectrometry Kits

**BREAKOUT FACTS**
launched fall 2012
68,422 spectra uploaded to date
8,460 spectral data contributors

**2015 KIT DISTRIBUTION FACTS**
627 Desktop Spectrometer Kits
167 Public Lab Spectrometry Bundles
(incl. Desktop Kit and 2 Foldables)
765 Foldable Mini-Spectrometer

A spectrometer’s versatility and ability to identify a variety of unknown materials is invaluable to community members, teachers, scientists, homebrewers, and kids and adults who just want to have some detective fun. Though experimental, this tool has been used to collect spectral data on contaminated water, oil spill residue, laundry detergent, wines, and fish tank lights, to name a few.

Balloon, Kite & Pole Mapping Kits

**BREAKOUT FACTS**
launched summer 2011
over 1966 contributors have completed over 2033 maps
with an average resolution of 25 cm per pixel

**2015 KIT DISTRIBUTION FACTS**
85 Balloon Mapping Kit
69 Chloroprene Mapping Balloon
29 All-in-One Balloon and Kite Mapping Kit
18 Kite Mapping Pack
36 Pole Mapping Kit (introduced April 2015)

Since the start of Public Lab, we’ve been building a global community of mappers who are engaged in discussion around aerial mapping tools and their use as “community satellites” for localized mapping of everything from industrial pollution and the health of your garden, to refugee camp life and political protests. Our easy to use mapping kits provide an accessible method for recording events or environmental conditions at any given moment. New to the Kits Initiative in 2015 was the Pole Mapping Kit, which has been used to map community gardens and wetland reconstruction efforts.
Infrared Photography Kits

BREAKOUT FACTS
launched summer 2013
1635 infragram samples uploaded

2015 KIT DISTRIBUTION FACTS
805 Infragram filter kits
99 Infragram webcams (discontinued August 2015)
125 Infragram Point & Shoot Plant Cams (introduced August 2015)

The Public Lab community originally developed our first infrared technology to monitor wetlands damages in the wake of the BP oil spill, but its simplicity of use and easy-to-modify open-source hardware & software makes it a useful tool for home gardeners, hikers, makers, farmers, amateur scientists, teachers, artists, and anyone curious about the secret lives of plants.

In 2015 we replaced our Infragram webcams with a high quality Point & Shoot Plant Cam, which includes a Mobius ActionCam capable of recording 1080p HD video, as well as time lapse photos. The Mobius is tiny, lightweight, tough, easy to hack, and has already been combined with our Mapping Kits for aerial applications.

Diana Di Leonardo pole mapping a marsh restoration site on Lake Pontchartrain. Photo Stevie Lewis.
Community Growth

For more 2015 highlights visit https://publiclab.org/wiki/community-development#2015
Online

- The blog is rebooted! check out out: publiclab.org/blog
- Announced “Open Open IT Hardware” methodology for co-design of methods
- Two big software launches: Mapknitter 2.0 and Spectral Workbench 2.0
- The codebase of PublicLab.org was overhauled for easier setup and contribution

Lists

- 1,388 new members join the main publiclaboratory googlegroup, total enrollment >4K
- Regionally, the NYC+NJ list became the first local list to top 200 members.
- The midwest continues to lead in growth rate, followed closely by the Gulf Coast.
- Topically, the infrared, water quality, and air quality lists showed the most growth.
- Both the Spanish and Portugues language lists are also steadily growing.

Web Stats

- 21,412 new spectra and 2,675 new contributors to Spectral Workbench
- 830 new authors on MapKnitter created 1851 new maps and uploaded 14,906 images
- 773 new research notes
Dinner at the 2015 Annual Barnraising in Cocodrie, Louisiana.
Selected Events

This year Public Lab hosted over 80 events, meetups, live calls and OpenHours. Highlights include:

2nd Regional Barnraising, Chicago, Illinois, 40 people

Ongoing projects and growing Public Lab interest in the area made the Chicago Regional Barnraising an exciting event. The first day of the event was hosted at Civic Lab in the West Loop. There, participants set the schedule for two days of exciting Barnraising activities and hosted engaging sessions on projects, tool exploration and discussions. The second day was hosted on the Southeast side of Chicago. This day, Public Labbers focused on the Petcoke problem, a local environmental issue faced by the Southeast side community. Among many other activities, Public Labbers spent the afternoon mapping the petcoke piles from the water and from land.

2nd Annual Organizers Summit, Cocodrie, Louisiana, 14 people

Before the Annual Barnraising, 14 Public Lab organizers gathered in Cocodrie Louisiana for a day long retreat. New ideas for Public Lab expansion, brainstorming around challenges of projects, and organizer goals abounded.
The 5th Annual Barnraising was our biggest yet! Participants came from as far as Sao Paulo, London, Newark and San Diego. People came with experience working on many Public Lab projects such as the frac and sand mining in Wisconsin project, mapping Alberta tar sands pipelines, the Mãe d’água Project in Brazil, and the New Orleans’ wetland mapping project. There were connections made, shrimps boiled, maps stitched, discussions abounded, and balloons inflated. A good time was had by all.

Weekly Meetups
Boston, Massachusetts

In June, the Boston Chapter started hosting weekly meetups in Somerville almost every Wednesday afternoon. These “co-working” sessions are open to all, and are frequented by local partners as well as visiting Public Lab community members from out of town.
OpenHour

OpenHour is an interactive meetup hosted by the Public Lab community, both online and in person. In 2015, our OpenHour events drew between a dozen to 25 live participants who came together to share research, ideas, questions and networking opportunities.

- **January**: Energy! (addressing pollution from various energy industries)
- **February**: Lending Libraries
- **March**: Engaging in “C” Science
- **April**: Learning
- **May**: Celebrating Public Lab’s 5th Anniversary
- **June**: Behind the code: Public Lab’s web development
- **July**: Open Air projects
- **August**: Mapping in the middle of it! (Activism in Contested Geographies)
- **September**: Transparency in environmental policy and science
- **October**: Formaldehyde and the plant remediation experiment
- **November**: Gearing up for the Barnraising
- **December**: The Oil Testing Kit

Selected Events

Public Lab organizer Hagit Keysar runs a balloon mapping workshop in Jerusalem. Photo Ari Etgar.

Mappers in front of a boat at LUMCON, Cocodrie, Louisiana. Photo by contributor @patcoyle

Map of Trieste by contributor @Giovanni
Partners
Staff
&
Organizers
Donors
Donors

140

People

NEW STAFF  NEW ORGANIZERS  NEW PARTNERS

5  6  14
IDIYA MAKER SPACE
http://myidiya.com/
A makerspace, workshop and design studio that provides members access to education, and a creative community in the interest of fostering innovation.

INFOAMAZONIA
http://infoamazonia.org
A network of organizations and journalists who deliver updates from the nine countries of the endangered Amazon forest region.

THE APPALACHIAN MOUNTAINTOP PATROL
http://www.appalachianmountaintoppatrol.org/
A collaborative, environmental watchdog and multimedia education initiative in the Coal River Valley and Kanawha forest regions of West Virginia.

BIMKOM - PLANNERS FOR PLANNING RIGHTS
http://bimkom.org/eng/
An Israeli non-profit organization formed in 1999 by a group of planners and architects in order to strengthen democracy and human rights in the field of planning.

SURFRIDER’S EMERALD COAST CHAPTER
https://emeraldcoast.surfrider.org/
Activists, surfers, kayakers, fishermen, swimmers, beach runners, and walkers who want to protect the ocean, and their access to it.

Balloon mapping in New Orleans City Park. Photo Stevie Lewis.
AL HOULA ASSOCIATION AND BEIT ATFAL ASSUMOUD
http://www.socialcare.org
Non-governmental organisations in Bourj Al Shamali refugee camp in south Lebanon who work to improve living conditions in the camp.

CHICAGO STATE UNIVERSITY
https://www.csu.edu/
A public university where Chemistry Professor Amber Wise and students examined using Passive Particle Monitors to analyze air quality.

CIVIC LAB
http://www.civiclab.us/
Co-working space in Chicago’s West Loop dedicated to social justice. Hosted the 2015 Regional Barnraising. The space was active from 2013 through 2015.

SOUTHEAST SIDE COALITION TO BAN PETCOKE
http://www.petcokealerts.org
Residents of the Southeast Side of Chicago who work together to rid the neighborhood from the dust from Petcoke.

FORENSIC ARCHITECTURE
http://www.forensic-architecture.org/
A research consultancy undertaking spatial and media analysis for the investigation of human rights violations.

GROUNDWORK NEW ORLEANS GREEN TEAM
http://www.groundworknola.org/programs/green-team/
A youth workforce development program that links environmental cleanup and sustainable community development with life and work related skills.

VOICES OF ST. TAMMANY
http://www.voicesofsttammany.com/
A group of proud and engaged citizens from Abita Springs, Covington, Lacombe, Mandeville, Madisonville, Slidell, Pearl River, Folsom, Bush and Sun, Louisiana.

YUVALIM
http://yovalim.org.il/page.php?pid=69
Community Council, West Jerusalem. Community based organization that serves five neighborhoods in southwest Jerusalem.

ZOCHROT
http://zochrot.org/en
An NGO working since 2002 to promote acknowledgement and accountability for the ongoing injustices of the Nakba, the Palestinian catastrophe of 1948.
2015 New Team Members:

TONY CHIOTTI
Kits Manager

MARÍA DEL CARMEN LAMADRID
Design Editor

GABI VILLASEÑOR
Kits Fulfillment Coordinator

SEBASTIAN SILVA
Systems Administrator

KLIE KLEIBERT
Administrative Coordinator

Setting the groundwork for open space at the 2015 Barnraising.
Total Organizers: Currently there are 67 organizers from 11 countries. New organizers for this year:

CLAUDIA MARTINEZ MANSELL
Los Angeles & Bourj Al Shamali, Lebanon

PAT POPPLE
Chippewa Falls, WI

MARÍA DEL CARMEN LAMADRÍD
Los Angeles, CA

LAUREN SULLIVAN
New Orleans, LA

VICTOR SINATRA
Salinas, CA

JUSTIN MANLEY
Chicago, IL

The first Organizers Survey brought in valuable insight, and is leading to the development of organizer-requested resources to increase the capacity of individual organizers. The first organizers call of the month has been opened up to all members of Public Lab.
None of the amazing things we accomplished in 2015 would have been possible without the help of our Donors and Sustaining Members! Thanks to each and every one of you for making our work possible!

Donors

$50,000 +
John S. and James L. Knight Foundation, Knight News Challenge
The 11th Hour Project, a program of the Schmidt Family Foundation
Autodesk Foundation
Claneil Foundation Emerging Leaders Fund
Foundation to Promote Open Society, a part of the Open Society Foundations
Rita Allen Foundation

$100 - $249
Azavea
Jeff Crystal
Paul Johnson
Paul Orr
Mark Rovner

$1 - $99
AmazonSmile
Geoff Rhodes
Julie Whitbeck
Bjorn Sagbakken
Frank Giorlando
Jane McIlwain
C Mark Blatchley
Frazer Nagy
Gary Oliver

$10,000 - $49,999
Ashoka
Rackspace

$1,000 - $9,999
General Electric
MapBox
Microsoft
MIT Media Lab
New America Foundation
Robert Rauschenberg Foundation
Heeja Yoo-Warren

$250 - $999
Karan Wood
Daniela Soleri
David Ethan Trooskin-Zoller
Sustaining Members

**EXTREMOPHILE**
Luc Gagnon
Tim Regan
Micah Sifry

**PHOSPHORESCENT PHYLUM**
Dana Bauer
Dennis Chall
Ann Chen
Patrick Coyle
Scott Eustis
Chris Foote
Gretchen Gehrke
Nic Gihl
Santonu Goswami
Tim Johnson
Daniel Menelly
Deborah Nelson
Douglas Norgord
Aislinn Pentecost-Farren
Cindy Regalado
Jack Summers
Ted Fjallman

**MISSION-DRIVEN MICROBE**
Eileen Allen
Tierney Booker
Matthew Daniel
Juan Fuldain
Hagit Keysar
Peter Johnson
Chloe Lewis
Jordan Macha
Lynn Wolbarst

**NEURAL NET**
Arik Baratz
Matthew Bennetts
Gary Bridges
Becki Chall
Daniel Dunndon
Ken Edds
Dylan Halberg
Anders Johansson
Jean-Charles Leynadier
Eric Lo
Gordon Novak
Kenneth Propert
Nick Shapiro
Brennon Strnad
Lauren Sullivan
Ramesh Venkat
Jeff Warren
Harriette Washington-Williams
Derek Wilson
Ira Wood

**RHIZOME**
Ovchinnikov Alexey
Charles Alicea
Guido Amrein
Jerry Baird
David Barton
Dave Behr
Robert Browning
C Butchers
Duane Calvert
David Cardoso
Enrico Caruso
A.J.R. Castelijn
Eric Chang
Coye Cheshire
Laura Chipley
Alissa Chisholm
Kitty Currier

Oliver Daab
Dave Dancer
Ramesh Datla
Alvaro Diego Garcia Perez
Elizabeth Doherty
Shannon Dosemagen
Volker Ebert
Beau-James Erion
Noah Feehan
William Frye
Burhman Gates
William Georgian
Jason Giles
Sara Gillooly
Kannan Grant
Heinz Gruber
Wagner Guilherme
Pekka Haapanen
John Hable
John Harper
Robert Haugen
Billy Haworth
Robert Hill
Judith Hooper
Bjorn Huwe
Cheng Jiang
Paul Johnson
Lars Karle
Chris Kraft
Valery Lainey
Crystal Lawrence
LG Supplements LLC
Stephen Lijek
Max Lindfors
John Lizzio
Anthony Loomis
Jahala Lostroscio
Daniel Mariampillai
Elena Martin
Guy Maurer
Ruth Miller

Kite mapping Bayou Bienvenue Wastewater Treatment Site. Photo Stevie Lewis.
The Public Lab fiscal year runs from July-June. The finances listed to the right have not been CPA reviewed. For reviewed fiscal year statements, please email shannon@publiclab.org.
Expenses

$804,993.85

- PROGRAMS: $616,820.29
- MANAGEMENT AND ADMINISTRATION: $115,893.62
- FUNDRAISING: $72,279.94

Income

$878,716.21

- GRANTS AND CONTRIBUTIONS: $671,307.16
- CIVIC KITS: $170,692.90
- IN-KIND: $24,000.00
- DIRECT PUBLIC SUPPORT: $7,564.62
- MISCELLANEOUS: $5,151.53
Forest Jahnke mapping a frac sand site in Wisconsin. Photo Stevie Lewis.
7

Public Lab in the Media

2015 Awards

• **Claneil Foundation Emerging Leaders Fund**: [http://www.claneilfoundation.org/what-we-fund/emerging-leaders-fund/public-lab](http://www.claneilfoundation.org/what-we-fund/emerging-leaders-fund/public-lab)
• **Ashoka Fellowship**: [https://www.ashoka.org/fellow/shannon-dosemagen](https://www.ashoka.org/fellow/shannon-dosemagen)

Press

• **Boston Globe**: Handmade boats bring citizen science to the Mystic River, Elizabeth Preston, 9.16.15
• **Segment on Swedish radio show Sveriges Radio**: Medborgare blir miljöforskare, Marcus Hansson, 9.14.15
• **Hechinger Report**: Ecohackers: These kids track pollution with balloons and kites, Chris Berdik, 7.22.15
• **Al Jazeera**: Busting corporate polluters with DIY tools, Dan Boaden, 4.20.15
• **Al Jazeera**: Armed with tech gadgets, civilians fight eco-crime, Dan Boaden, 4.20.15
• **BBC**: DIY camera project measures plant health, Spencer Kelly, 4.10.15
• **Huffington Post**: Here’s how a group of activists is using balloons to keep tabs on the environment, Joseph Erbentraut, 3.24.15
• **Huffington Post**: How One Community Is Kicking The Koch Brothers’ Harmful Black Dust Out Of Their Neighborhood, Joseph Erbentraut, 2.27.15

Publications

Mapping petcoke piles at the 2015 Regional Barnraising in Chicago, Illinois.