

# Pollution Prevention Information: What's Out There and Where To Find It



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Presentation slides available at <http://hdl.handle.net/2142/35294>





Drowning in information?

# Ways We Look for Information

- Search
  - When: You're doing research or trying to answer a question
  - Where: Google, Bing, Yahoo, or your favorite search engine or article database
    - Scopus
    - Google Scholar
    - Web of Science
- Scan
  - When: You're trying to keep up with a topic
  - Where: Trusted news sources



Search



# Use Your Time Wisely

- Do a preliminary search
- Use browser add-ons to help you sort through results
  - [Deeper Web](#)
- If you haven't found it relatively quickly, ask an information professional
  - [GLRPPR Help Desk Librarian](#)
  - [P2Rx Rapid Response Service](#) (for those outside of GLRPPR's service area)

# Deeper Web Sample Search – Pollution Prevention

## Metrics Search

[hide](#)

### [Ecology Services Add Value to Business](#)

That's what Washington businesses said **Pollution Prevention** Planning has done for them since 2005. That \$45 million saved would pay for 900 jobs ... With Ecology's help, businesses have found ways to eliminate 65 percent of Washington's ...  
[www.ecy.wa.gov](http://www.ecy.wa.gov) - [Cached](#) - [Similar pages](#)

### [APPENDIX G POLLUTION PREVENTION](#)

Department of Energy's **pollution prevention** program, and (2) discussing the ... Divert 33 percent of sanitary waste from all operations for recycling. ... could represent an accumulated savings of over \$1 billion by 2010 and of \$5 billion over the ...  
[www.em.doe.gov](http://www.em.doe.gov) - [Cached](#) - [Similar pages](#)

### [Recycling Stats | GreenWaste Recovery](#)

Although the EPA estimates that 75 percent of solid waste is recyclable, only ... Did you know that we generate 21.5 million tons of food residuals annually? ... most common method of plastic waste **pollution prevention**, less than one percent of ...  
[www.greenwaste.com](http://www.greenwaste.com) - [Cached](#) - [Similar pages](#)

### [FY10 Executive Summary](#)

total fines and penalties assessed by 85 percent in FY10. • **Pollution Prevention**: DoD's **Pollution Prevention**. Program received \$91.2 million in FY10.  
[www.denix.osd.mil](http://www.denix.osd.mil) - [Cached](#) - [Similar pages](#)

1 2 3 4 5 6 7 8 9 10 Next

## News Search

[hide](#)

### [Pennsylvania DEP Awards Energy-Efficiency, Pollution-Prevention Grants to 56 ...](#)

MarketWatch (press release) - 6 hours ago  
8, 2012 /PRNewswire via COMTEX/ -- The Department of Environmental Protection has awarded \$418,049 in grants to help 56 small businesses across Pennsylvania invest in energy-efficiency or **pollution-prevention** projects. "Since 2004, this program has ...

### [3M: Sustainability That Sticks?](#)

What They Think (blog) - 10-31-2012  
We optimized our manufacturing process and initiated the **Pollution Prevention** Pays (3P) program, which prevents pollution at the source through product reformulation, process modification, equipment redesign and recycling and reusing waste materials.

### [How California is harnessing P2 to make safer products](#)

GreenBiz.com (blog) - 10-9-2012  
Twenty-two years ago, the **Pollution Prevention** Act marked a significant change in how U.S. companies manage hazardous waste. Shifting away from an "end of the pipe" approach to controlling chemical hazards, it focused on controlling those hazards at ...

### [Pollution, Indirect Cost Rate Info Collection Requirements: Federal](#)

govWin (blog) - 10-17-2012  
The General Services Administration, NASA and the Department of Defense are asking for an extension of the information collection requirements regarding **pollution prevention** and right-to-know information. Federal Acquisition Regulation clause 52.223-5 ...

1 2 3 4 5 6 7 8 Next

## Resources Search

[hide](#)

### [Pollution Prevention Research Strategy \(PDF\)](#)

rationale for, and the intended products of, EPA's **pollution prevention** research. ... track progress toward achieving its **pollution prevention** research goals, as re- ...  
[www.epa.gov](http://www.epa.gov) - [Cached](#) - [Similar pages](#)

### [An Organizational Guide to Pollution Prevention, U.S. EPA](#)

Martine Dumais, National Office of **Pollution Prevention**, Environment Canada. Art Gillen ... Margaret Nover, **Pollution Prevention** Manager, City of Portland ...  
[www.uml.edu](http://www.uml.edu) - [Similar pages](#)

### [Pollution Prevention Report ARS §49-966](#)

**Pollution prevention** (P2) is an innovative environmental management practice ... In summary, the purpose of the department's **Pollution Prevention** Program is to ...  
[www.azdeq.gov](http://www.azdeq.gov) - [Cached](#) - [Similar pages](#)

### [An Organizational Guide to Pollution Prevention](#)

i. 80% Recycled/Recyclable. Printed with vegetable-based ink on paper that contains a minimum of. 50% post-consumer fiber content processed chlorine free ...  
[www.ecy.wa.gov](http://www.ecy.wa.gov) - [Cached](#) - [Similar pages](#)

1 2 3 4 5 6 7 8 9 10 Next



# Deeper Web Sample Search – Pollution Prevention



# Trust But Verify

- Choose your sources carefully
  - Library resources are evaluated before purchase
  - Just because it's on the internet doesn't mean it's current or accurate
- Trust but verify
  - Always check to see how current a page is
  - Always look for information about the author of the page



# When to Use What

## Use a search engine

When you're looking for something specific, an unusual term, or an exact phrase

- Use advanced search features to refine your search
  - [http://www.google.com/advanced\\_search](http://www.google.com/advanced_search)
- Read the search engine help pages for new techniques
  - <http://support.google.com/websearch/>

## Use a directory

When you're looking for lots of information on a particular topic

- [GLRPPR Sector Resources & LibGuides](#)
- [P2Rx Topic Hubs](#)
- [P2 InfoHouse](#)

# Some Useful Google Search Tricks

- Site search
  - Use site: to restrict your search to a specific web site
  - Example: “pollution prevention” site:epa.gov
- Exclude a word
  - Add a dash (-) before a word to exclude all results that include that word.
  - Example: “solvent use” printers –computers
- Use Google as your dictionary
  - If you’re looking for a definition, try the define: operator
  - Example: define:biomimicry
- More help from Google
  - Search tips and tricks  
<http://www.google.com/insidesearch/tipstricks/basics.html>
  - Search operators  
<http://support.google.com/websearch/bin/answer.py?hl=en&answer=136861>

# Refining Google Search Results

- Filter your search results by type of content
  - Some options include web, images, maps, videos, news, books, places, blogs, discussions, applications, and patents.
- Other filtering options include:
  - Publish date
  - Personalization
  - Verbatim search
- More help with search
  - From Google  
<http://support.google.com/websearch/bin/answer.py?hl=en&answer=142143&topic=1221265&ctx=topic>
  - From the University of Illinois Library  
<http://uiuc.libguides.com/google>

# Remember Traditional Resources

- Journal literature
  - Your local public, university, or community college library's databases
  - [Google Scholar](#)
- Books and reports
  - Your local public, university, or community college library's online catalog
  - [WorldCat](#)



**WASTE REDUCTION**

**SOURCE REDUCTION**

**CLEANER PRODUCTION**

**POLLUTION PREVENTION**

**WASTE MINIMIZATION**

**CLEAN MANUFACTURING**

**ZERO WASTE**

# Ask

- If you can't find it or don't know where to start, ask:
  - Your local librarian (especially if you have one on site)
  - [GLRPPR Help Desk Librarian](#)
  - [P2Rx Rapid Response Service](#) (for those outside of GLRPPR's service area)
  - Your regional roundtable's e-mail list or P2Tech

A close-up, slightly blurred photograph of a large, disorganized stack of papers and documents. The papers are in various colors, including blue, yellow, red, green, and white, and are piled haphazardly on top of each other. The text is overlaid on the right side of the image.

**Staying current doesn't  
have to be messy**



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Beautifully-imagined maps show fictional cities and their transit systems

Beautifully-imagined maps show fictional cities and their transit systems

State Implementation Plans; Revisions: California; Antelope Valley Air Quality Management District and Ventura County Air Pollution Control District

Air Quality State Implementation Plans; Revisions: California; Antelope Valley Air Quality Management District and Ventura County Air Pollution Control District

A Conservative Legal Group Is Petitioning The Energy Department To Rethink The Social Cost Of Carbon

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NYT > Social Q's

Free Government

ClimateBiz.com

RealClimate

News from the National

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Q


Enter url, title or #topic


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TODAY



Beautifully-imagined maps show fictional cities and their transit systems

lan Silva For his day job, lan Silva drives a commuter train in Sydney, Australia. So maybe it's not surprising that his incredibly detailed maps of imaginary cities also include fully fleshed-out public transit systems. But *Grist Magazine* / by jesszimmerman / 4min



Beautifully-imagined maps show fictional cities and their transit systems

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State Implementation Plans; Revisions: California; Antelope Valley Air Quality Management District and Ventura County Air Pollution Control District

Regulations.gov (EPA-ENVIRONMENTAL PROTECTION AGENCY) /

Air Quality State Implementation Plans; Revisions: California; Antelope Valley Air Quality Management District and Ventura County Air Pollution Control District

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A Conservative Legal Group Is Petitioning The Energy Department To Rethink The Social Cost Of Carbon

The latest dust-up in the fight over the social cost of carbon (SCC) just arrived via a petition by the conservative Landmark Legal Foundation that challenges the legitimacy of the revised number. As *The Hill* reports *Climate Progress* / by Jeff Spross / 14min

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sustainablog

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Worldwatch Institute -

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"energy efficiency"... 123

DOE Pulse - Rese... 8

EERE Network News 6

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"flame retardant" ... 32

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Inhabitat by Mark Boyer / 8min // keep unread // preview

## Singapore's First Driverless Electric Vehicle Hits the Streets for Testing

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How often

At most once a day

Sources

Automatic

Language

English

Region

Any Region

How many

Only the best results

Deliver to

lbwmrc@gmail.com

CREATE ALERT

Hide options

Limit results by content, language, geography, and "best results"


## Alert preview

NEWS

**PwC: UK green economy efforts are starting to deliver, but climate crisis still looms**

Business Green

... in the ability of clean technologies and green business models to deliver economic growth at the same time as driving steep emissions reductions.




Business Green

**Pennine Housing sign up to sponsor a category at Business Awards**

Halifax Evening Courier

... employer of the year, green champion award sponsored by BCA Leisure, green business award, sponsored by Pennine Housing, retailer of the year ...



Halifax Evening Courier

**Eco Expo Asia 2014 Launches "Theme Day" to Address Environmental Issues**

International Environmental Technology

Eco Expo Asia, the region's premier international trade exhibition for green business, continues to receive strong support from the industry's leading ...

<http://www.google.com/alerts>



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# ENVIRONMENTAL NEWS BITS

Browsing environmental news so you don't have to

ABOUT ENB



## WHAT DO THE NEW CLIMATE RULES HAVE TO DO WITH MY KID'S ASTHMA?

Read the full post at [Grist](#).

*One of the Environmental Protection Agency's top selling points for its recently proposed carbon pollution rules for power plants is that they will make immediate improvements to our air quality, in addition to reducing the greenhouse gases that cause climate change. It's one of those twofer marketing plans (it tastes great and it's less filling) designed to help make the public more amenable to a new set of rules.*

*If you're wondering why the EPA needs public buy-in for rules aimed at the fossil fuel industry, that's because it'll take more than just killing off coal to accomplish the agency's goals. The proposed carbon standards are often billed as regulations on existing coal-fired plants, but that's somewhat of a misnomer. They actually ask for modifications made across each state, rather than at individual energy facilities.*

*To understand how this all ties together with the benefit of improving local air, it helps to know a few things about fences.*

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Posted in [Air quality](#), [Climate change](#), [Environmental justice](#), [Regulation](#) on September 8, 2014.

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SEPTEMBER 2014

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## Pollution Prevention 101

Tags: [environment](#), [environmental compliance](#), [pollution prevention](#), [prairie research institute library](#), [process engineering](#), [sustainability](#)

Resources for pollution prevention (P2) technical assistance providers. Geared particularly toward those new to the P2 field.

Last Updated: Aug 28, 2013

URL: <http://uiuc.libguides.com/p2>

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### P2 Events

Courtesy of the GLRPPR Events Calendar.

- Event: Sustainability Seminar series - Polymer assisted forward osmosis for desalination and water reuse
- Event: GoGreen NYC 2013
- Event: P2 Pioneers Webinar
- Event: Sustainability Seminar series - Recycling of Liquid Crystal Displays for Maximum Resource Recovery
- Event: Chicago Center for Green Technology Green Technology University
- Event: GLRPPR Meeting
- Event: Tying Energy Efficiency to Compensation and Performance Reviews

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### Documents Recently Added to Sector Resources

Documents recently added to the Great Lakes Regional Pollution Prevention Roundtable Sector Resources collection.

- Cryptic Barriers to Energy Efficiency
- Act on Climate Change
- Green Sports
- Greening Sports Directory (GSD)
- Collegiate Game Changers
- Campus Carbon Calculator
- AT&T Water
- Ask Nature : The Biomimicry Design Portal
- Energy Audit and Data...

### Introduction

This guide is designed to help pollution prevention technical assistance providers find information quickly and efficiently.

A brief guide to effective web searching is located on the [Where To Start](#) page under the [Sector/Subject Specific](#) tab. Lists of information organization and current awareness tools are included under the [News & Current Awareness](#) tab.

You may also be interested in the slides for the presentation "Pollution Prevention Information: What's Out There and Where to Find It", which is available in [IDEALS](#).

[Comments \(0\)](#)

### Suggest a Resource

If you have a resource or a search tip that we missed, please let us know.

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### We Want Your Feedback!

Was this information helpful?

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How useful is this page?  
(1 = Not Useful, 5 = Very Useful)

☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5

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### Subject Guide



Laura L. Barnes



### Contact Info

Prairie Research Institute  
Illinois Sustainable Technology  
Center

One Hazelwood Dr.  
Champaign, IL 61821  
Campus MC-676

ISTC office phone: (217)  
333-8957

Prairie Research Institute Library  
desk: (217) 333-6892

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### Links:

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### Subjects:

Environment, pollution  
prevention, energy efficiency,  
waste management, waste  
reduction, biofuels, recycling,  
green business, green living,  
green libraries



## GREAT LAKES REGIONAL POLLUTION PREVENTION ROUNDTABLE

Illinois | Indiana | Michigan | Minnesota | New York | Ohio | Ontario | Pennsylvania | Wisconsin

Promoting Pollution Prevention Through Information Exchange

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### Washington State Department of Ecology resources on chemicals in consumer products

Posted Friday, September 5 on the [GLRPPR Blog](#) by Laura B. - [Comment on this post](#)

*This post originally appeared on [Environmental News Bits](#).*

The Washington State Department of Ecology's [Reducing Toxics](#) campaign is based on the principle that preventing exposures to toxics is the smartest, cheapest and healthiest way to protect people and the environment. It supports Washington State's [Children's Safe Product Act](#), which requires manufacturers of children's products sold in Washington to report if their product contains a [Chemical of High Concern to Children](#).

As a result of this campaign, the Department has developed several useful resources on chemicals in consumer products. They include:

- [Polychlorinated Biphenyls in General Consumer Products](#) (published August 2014)
- [Flame Retardants in General Consumer and Children's Products](#) (published June 2014)
- [Phthalates in Children's Products and Consumer and Children's Packaging](#) (published March 2014)
- [Database of manufacturer data on chemicals in children's products](#)
- [Information resulting from product testing done by Ecology](#)
- [Selecting Safer Chemical Alternatives](#)
- [Tackling Toxics: Testing Children's Products](#) (video)

Read news on the site, using RSS, on social media, or in our newsletter

Topical guides to sustainability info

Find webinar archives here

**Sector Resources**

GLRPPR's [Sector Resources](#) give you direct access to pollution prevention resources, funding opportunities, and

### ENVIRONMENTAL NEWS

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[Math Might Help Nail Oceans' Plastic 'Garbage Patch' Polluters](#)

[Call for Papers: 30th International Conference on Solid Waste Technology and Management](#)

[Are parabens and phthalates harmful in makeup and lotions?](#)

[Great Lakes Restoration Initiative Provides Funding to Target Harmful Algal Blooms in Lake Erie](#)

[More News...](#)

[Add the GLRPPR environmental news box to your website](#)

### EVENT CALENDAR

[Event: Greening Your Lab](#)

[Conference: 30th International Conference on Solid Waste Technology](#)

<http://www.glrppr.org/>



## Pollution Prevention (P2)

[Recent Additions](#) | [Contact Us](#)Search: ☐ All EPA ☒ OPPT

Go

You are here: [EPA Home](#) » [Chemical Safety & Pollution Prevention](#) » [Pollution Prevention & Toxics](#) » [Pollution Prevention](#)

### Quick Finder

[Awards](#)  
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[E3: Economy, Energy and Environment](#)  
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[Pesticide Emiro. Stewardship](#)

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[Sustainable Futures](#)  
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Pollution prevention (P2) is reducing or eliminating waste at the source by modifying production processes, promoting the use of non-toxic or less-toxic substances, implementing conservation techniques, and re-using materials rather than putting them into the waste stream. Since pollution prevention is a key policy in national environmental protection activities EPA has developed a [2010-2014 Pollution Prevention Program Strategic Plan](#). A number of [Partnership Programs](#) and [other EPA initiatives](#) utilize pollution prevention approaches in their work. [Basic information about pollution prevention](#).

[Where You Live](#) - Local and Regional contacts for information and assistance with pollution prevention.

[Grants and Funding](#) - Provides information on matching funds to state and tribal programs to support P2 activities across all environmental media and to develop state programs.

[Laws and Policies](#) - A short explanation with links to more information on the Pollution Prevention Act of 1990 and subsequent policies.

[Partnerships](#) - EPA's efforts to promote sustainable business practices, cleaner technologies and processes and safe products through voluntary partnerships.

[Technical Assistance](#) - Services, case studies and technical assistance to help businesses and state agencies enhance their pollution prevention programs.

[Tools](#) - Databases, case studies, measuring results, and online calculators.

[Publications](#) - Sources for factsheets, case studies, documents, pamphlets and posters on P2. You may request documents from the [Pollution Prevention Information Clearinghouse \(PPIC\)](#).

Our Audiences - [Businesses / Industry](#), [Citizens and Communities](#), [Federal Government](#), [Schools](#), [State and Tribal Governments](#)

### Highlights

Results from EPA **P2 grants** and **SRAP grants** for 2011 now available.

2012 Pollution Prevention Grant Summaries and Source Reduction Assistance Grant Summaries are now available online.

**Earth Day.** On Earth Day, EPA reaches out to people of every age, race, and economic status to "own" the environment, to commit to environmental protection as one of your top priorities.

### P2 Blogs

**P2 Really Does Pay:** Pollution Prevention in the Real World [Blog]

**I See No Mountains:** Working together with communities and manufacturers to encourage growth and improved environmental

<http://www.epa.gov/p2/index.htm>







- Industry Factsheets & Checklists
- Real-World Case Studies
- Pollution Prevention Topic Hubs™
- Webinars and Training
- National P2 Results Data System
- Rapid Response Research Services
- Regional e-mail lists and P2Tech
- [GreenBiz Column](#)
- Sector Based Projects
  - Lean and Environment Workgroup (NPPR)
  - The Greening Sports Directory
  - Tribal P2
  - Sustainable Lodging Network
- Environmental Savings Calculators
- The Social Media Best Practices LibGuide



# Case Studies / Success Stories

- Submit case studies and success stories to your regional P2Rx Center
  - Publish on our websites
  - Promote your activities at workshops
  - Use your company as an example of positive actions companies can take to reduce pollution
- Enter case studies online at ZeroWasteNetwork.org  
<http://www.zerowastenetwork.org/success/addstory.cfm>

# P2 Measurement and Calculators



# P2 Greenhouse Gas Calculator

- Developed to assist the P2 community with reporting EPA's outcome measures
- Used to calculate changes in GHG emissions from P2 projects
- Converts activity values entered (e.g. kWh saved, gallons of water reduced) to CO<sub>2</sub> equivalents
- Aggregates GHG reductions from individual projects and categories
- Provides data transparency through references and justification
- Provides calculations for:
  - Electricity conservation
  - Green energy
  - Stationary and mobile source fuel reduction/substitution
  - Green chemistry
  - Water conservation
  - Materials management (module under construction)

# P2 Cost Calculator

- Calculates financial savings in dollars from implementing specific P2 activities
  - Hazardous inputs and wastes
  - Air emissions
  - Water pollution
  - Water use
  - Energy
  - Electricity
  - Non-hazardous inputs and solid waste



# Where to Get the Calculators

- EPA's Measuring P2 Web Site  
<http://www.epa.gov/p2/pubs/resources/measurement.html#calc>
- NPPR's P2 Measurement Tools  
<http://www.p2.org/general-resources/p2-data-calculators/>
- Other calculators and software tools available at <http://uiuc.libguides.com/p2/tools>



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show you?


***Get Organized***

Laura Barnes Sign out

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[Add Link](#)  
[Settings](#)

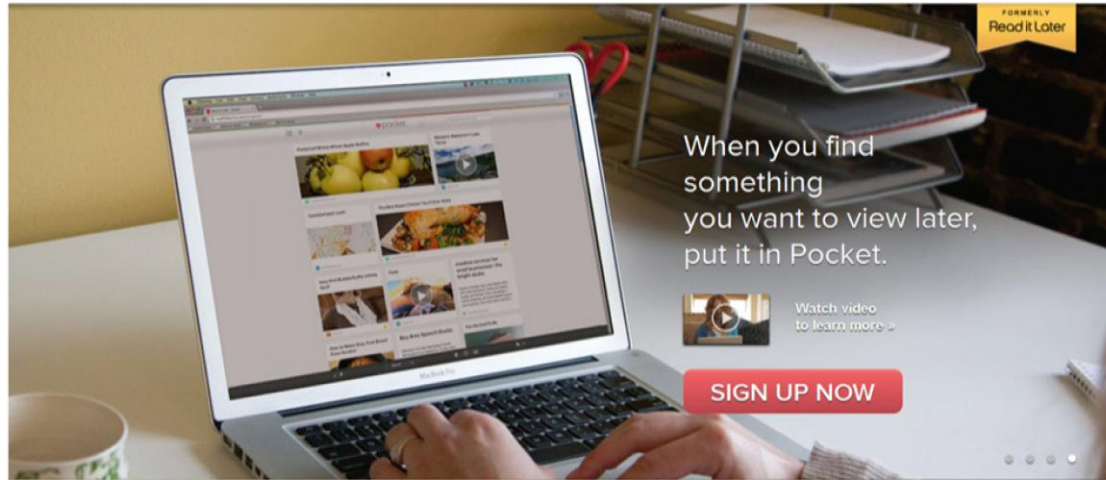


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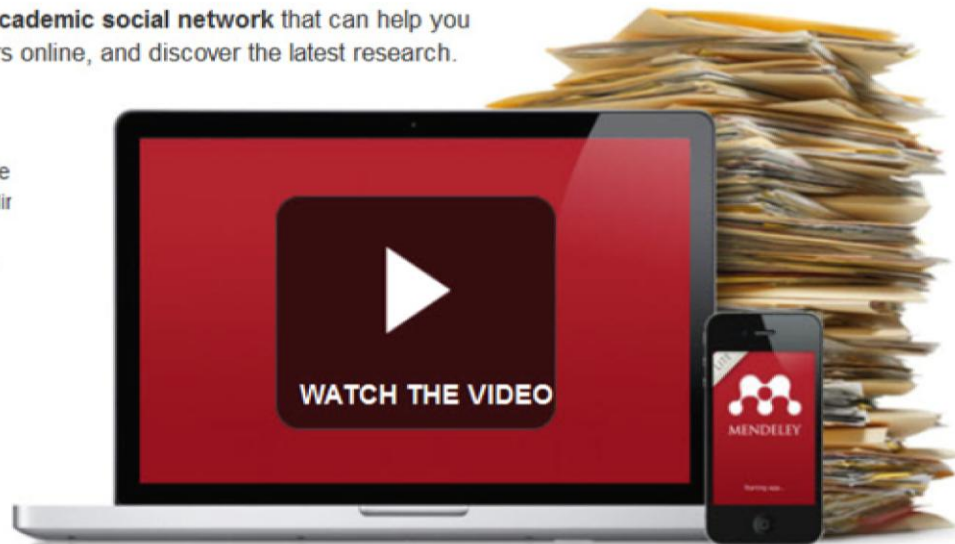
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## Pollution Prevention Information: What's Out There and Where to Find It

Laura L. Barnes ([l-barnes@illinois.edu](mailto:l-barnes@illinois.edu))  
GLRPPR Executive Director

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