

# Community-Focused Exposure and Risk Screening Tool (C-FERST)



## Quickstart Guide

# C-FERST Quickstart Guide

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## Introduction to C-FERST


The Community-Focused Exposure and Risk Screening Tool (C-FERST) is an online tool developed by EPA’s Office of Research and Development, in collaboration with stakeholders. C-FERST provides access to resources that can be used to help communities learn more about their environmental issues, gather information, and develop options for possible solutions. There are several components to C-FERST that allow users to: view maps of a community’s environment, compare community environmental conditions, gather information, explore solutions and community strategies, and use community assessment guides.

C-FERST users include individuals with an interest in community environmental public health and a moderate degree of technical expertise to navigate the tool, as well as environmental professionals, state and local risk assessors, or EPA community involvement and environmental justice (EJ) coordinators working on local-scale issues. Community groups or members of the public and these professionals may benefit from working together to identify and evaluate issues and interpret C-FERST data and results.

Due to limitations in the data and information in C-FERST, it should not be used as the sole basis for making decisions about public health.

This Quickstart guide describes the main components of C-FERST. Each section describes how to navigate to a component of C-FERST from the C-FERST Home page, then describes its basic features.

## C-FERST Home page


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## Community-Focused Exposure and Risk Screening Tool (C-FERST)

### View Maps

View Maps of Your Community's Environment Using C-FERST



1 | 2 | 3 | 4

### Frequent Questions

- [What is C-FERST?](#)
- [Who can or should use C-FERST?](#)
- [What can I use C-FERST for?](#)


[All Questions and Answers](#)

Community-Focused Exposure and Risk Screening Tool (C-FERST) provides access to resources that can be used to help communities learn more about their environmental issues and risks. The options below show how to use C-FERST to view a community's environment, compare community environmental conditions, gather information, explore solutions and use it with community guides.

### Quick Links for Returning Users


- [Maps](#)
- [Community Data Table](#)
- [Issue Profiles](#)
- [Environmental Measurements](#)
- [Exposure and Risk Reduction Options](#)
- [Community and Tribal Projects](#)

### View




- [View Maps of Your Community's Environment](#)

### Compare



- [Compare Local, County, State and National Estimates](#)

### Gather




- [Gather Information about Your Environment](#)

### Related EPA Tools


- [Tribal-FERST](#)
- [EnviroAtlas](#)
- [EJSCREEN](#)

### Explore Solutions




- [Explore Potential Solutions and Community Projects](#)

### Community Guides



- [Community Guides](#)

### Resources



- [C-FERST Resources](#)

### Disclaimer

**Beta version 4.0, March 2015**

This is a beta test version of C-FERST being circulated for comment by individuals and institutions authorized to do so by EPA's Office of Research and Development. [See the full disclaimer.](#)

[Contact Us](#) to ask a question, provide feedback, or report a problem.

The Home page in C-FERST has several main options:

- **View** maps of your community's environment  
Provides examples of how to use C-FERST Maps to view your community's environment, followed by a link to the mapping tool.
- **Compare** local, county, state and national estimates  
Provides examples of how to use C-FERST Community Data Table to compare local estimates to state and national, and includes a link to the Community Data Table.
- **Gather** information about your environment  
Provides examples of how to use C-FERST Environmental Issue Profiles and find Methods for measuring local environmental conditions to collect information about your environment. It includes links to resources.
- **Explore** potential solutions and community projects  
Provides examples of how to find Exposure and Risk Reduction options, and projects that other communities have implemented. It includes links to appropriate resources.
- **Community Guides**  
Contains information on how C-FERST can be used in conjunction with community assessment guides, including EPA's Community Action for a Renewed Environment (CARE) Roadmap, and the National Association of City and County Health Officials (NACCHO) Protocol for Assessing Community Excellence in Environmental Health (PACE-EH) Guidebook.
- **Resources**  
Contains background information about C-FERST.

There are also boxes on the side of the web page with links to:

- Frequent Questions
- Quick Links for Returning Users
- Related EPA tools
- C-FERST Disclaimer



# View Maps of Your Community's Environment

## How to Access the Maps from the C-FERST Home page

- 1) Go to **View Maps of your Community's Environment**. This page contains a description and examples, followed by a button to **"Get Started: View Community Maps"**

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**C-FERST**

You are here: EPA Home » C-FERST » View Maps of Your Community's Environment Using C-FERST

## View Maps of Your Community's Environment Using C-FERST

C-FERST maps contain information on pollution sources, estimated concentrations, exposures and risks from pollution, demographics, and other key community characteristics. The examples below describe how to use various features of the maps using community scenarios.

**Example: Using C-FERST to Map Environmental Issues**

This example shows how to map benzene exposure, poverty and the location of health care facilities in a community. It also demonstrates how to view map layers, adjust transparency, view the legend and find more information in the map pop-ups.

- [See the full example of mapping environmental issues](#)

**Get Started: [View Community Maps](#)**

- 2) Returning users can click the **Maps** link in the **Quick Links box** on the side of the home page

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## Community-Focused Exposure and Risk Screening Tool (C-FERST)

**View Maps**  
View Maps of Your Community's Environment Using C-FERST

**Frequent Questions**

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- Who can or should use C-FERST?
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[All Questions and Answers](#)

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**Quick Links for Returning Users**

- **Maps**
- [Community Data Table](#)
- [Issue Profiles](#)
- [Environmental Measurements](#)
- [Exposure and Risk Reduction Options](#)
- [Community and Tribal Projects](#)

## Basic Features of C-FERST Maps

You are here: EPA Home » C-FERST » C-FERST Maps of Community Environmental Conditions

### C-FERST Maps of Community Environmental Conditions

[Browser Requirements](#)

Use the Map viewer below to explore maps that identify sources of pollution in your community and the surrounding area. These maps do not contain every map layer that may be important to a community; you may want to check with state or local agencies for data that could be added to the maps for a more complete picture of your community's conditions. **Please view the C-FERST Maps FAQs and User Guide prior to using C-FERST Maps.**

**More Information**

- [C-FERST Maps FAQs](#)
- [Map User Guide \(PDF\)](#)
- [Description of C-FERST Map Layers \(PDF\)](#)
- [Examples uses of C-FERST Maps](#)

[View Map in Full Screen](#)

ArcGIS - DRAFT Community-FERST and Tribal-FERST Map

MODIFY MAP [Sign In](#)

Find address or place

Details | Basemap | Share | Print | Measure | Bookmarks

Contents

About | Content | Legend

The Details button shows or hides the contents pane on the left side of the map, including the three buttons below it:

- Information about the map
- Map contents
- Map Legend

The Basemap button opens a gallery of different basemaps you can view.

The plus and minus buttons allow you to zoom in or out.

The Modify Map button opens a menu for adding data to the map.

The Bookmarks button allow you save locations (for your current session) so you can easily zoom back to those locations.

The search box is where you enter your location.

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Refer to the [C-FERST Maps User Guide](#) for more detailed description of these features and how to use them.

# Community Data Table

## How to Access the Community Data Table from the C-FERST Home page

- 1) Go to **Compare Local, County, State and National Estimates**. This page contains a description and examples, followed by a button to **“Get Started: Use the Community Data Table.”**

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**C-FERST**

You are here: EPA Home » C-FERST » Use C-FERST to Compare Local, County, State and National Estimates

## Use C-FERST to Compare Local, County, State and National Estimates

The Community Data Table provides a summary of environmental conditions for a community, including estimated concentrations, exposures and risks for select pollutants, as well as demographic information. Comparing this with information for other geographic areas, such as the county, state or nation, can help to identify environmental conditions that community groups may want to examine further.

### Example: Creating a Community Data Table in C-FERST

This example demonstrates how to create a Community Data Table in C-FERST and compare estimated air pollution for this community to the estimated county, state and national levels.

- [See the full example of creating a community data table](#)

**Get Started: Use the Community Data Table**

- 2) Returning users can click the **Community Data Table** link in the **Quick Links** box on the side of the home page

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**Community-Focused Exposure and Risk Screening Tool (C-FERST)**

**View Maps**  
View Maps of Your Community's Environment Using C-FERST

**Frequent Questions**

- What is C-FERST?
- Who can or should use C-FERST?
- What can I use C-FERST for?

[All Questions and Answers](#)

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**Quick Links for Returning Users**

- Maps
- **Community Data Table**
- Issue Profiles
- Environmental Measurements
- Exposure and Risk Reduction Options
- Community and Tribal Projects



## Basic Features of the Community Data Table

Once you have reached the Community Data Table page, you can enter your ZIP Code to generate a table like the one below:

**You are here:** EPA Home » C-FERST » Community Data Table

# Community Data Table

[Export to Excel](#) | [Export to PDF](#)

The default indicators in the table are based on EPA-related issues, stakeholder feedback, and available data.  
There may be other important issues that are not currently included in this table.

Indicators and Indices	Your Community ZIP code: 48209	County: Wayne MI	State: MI	National Average	Data Info/Notes
▶ Environmental Concentration Estimates					
▶ Human Exposure Estimates					
▼ Health Risk Estimates					
Cumulative Air Toxics Cancer Risk* (risk per one million persons)	90.4	83.7	43.5	49.8	2005 NATA
Outdoor Air - Acetaldehyde Cancer Risk* (risk per one million persons)	2.8	3.2	2.6	3.3	2005 NATA
Outdoor Air - Arsenic Cancer Risk* (risk per one million persons)	1.0	1.0	1.0	1.3	2005 NATA
Outdoor Air - Benzene Cancer Risk* (risk per one million persons)	15.1	13.8	8.2	7.4	2005 NATA
Outdoor Air - Carbon Monoxide Cancer Risk* (risk per one million persons)	3.0	3.4	1.9	1.9	2005 NATA
Outdoor Air - Chromium Cancer Risk* (risk per one million persons)	0.9	0.9	1.0	1.4	2005 NATA
Outdoor Air - Formaldehyde Cancer Risk* (risk per one million persons)	26.2	22.9	16.8	22.5	2005 NATA
Outdoor Air - Naphthalene Cancer Risk* (risk per one million persons)	4.8	3.8	2.1	2.3	2005 NATA
Outdoor Air - Nitrobenzene Cancer Risk* (risk per one million persons)	3.5	1.8	1.2	1.5	2005 NATA
Cumulative Air Toxics Non-Cancer Respiratory Risk (Hazard Quotient*)	3.2	2.8	1.6	2.3	2005 NATA
Outdoor Air - Acetaldehyde Non-Cancer Respiratory Risk (Hazard Quotient*)	0.2	0.2	0.1	0.2	2005 NATA
Outdoor Air - Acrolein Non-Cancer Respiratory Risk+ (Hazard Quotient*)	2.4	2.1	1.1	1.7	2005 NATA
Outdoor Air - Chromium Non-Cancer Respiratory Risk (Hazard Quotient*)	0.0007	0.0007	0.0009	0.001	2005 NATA
Outdoor Air - Diesel PM Non-Cancer Respiratory Risk (Hazard Quotient*)	0.3	0.2	0.1	0.1	2005 NATA

There are several sections of the table, which can be expanded or collapsed by clicking on the section heading or the small arrow beside it.

Columns contain estimates for the ZIP code you entered, as well as county, state and national estimates.

The last column contains a link to the data source, where you can find more information about the data.

Each row is an environmental or demographic indicator.



# Environmental Issue Profiles

## How to Access the Environmental Issue Profiles from the C-FERST Home page

- 1) Go to **Gather Information about Your Environment**. This page contains a description and examples, followed by a button to **"Get Started: Generate Issue Profile."**

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You are here: EPA Home » C-FERST » Use C-FERST to Gather Information about Your Environment

## Use C-FERST to Gather Information about Your Environment

C-FERST has information to help you gather and collect information about your environment. Environmental Issue Profiles contain links and data from various sources, from both inside and outside EPA, for some issues and concerns commonly identified by communities. The Environmental Measurement Methods section provides links to key EPA resources on citizen science air monitoring, as well as a set of methods for taking other types of measurements.

### Example: Generating an Environmental Issue Profile in C-FERST

This example will demonstrate how to generate, read and save an Environmental Issue Profile in C-FERST. Environmental Issue Profiles are helpful for providing information on specific environmental issues of concern. These can provide a starting point for gathering more information on these concerns.

- [See the full example of creating an environmental issue profile](#)

**Get Started: Generate Issue Profile**

- 2) Returning users can click the **Issue Profiles** link in the Quick Links box on the side of the home page

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### View Maps

View Maps of Your Community's Environment Using C-FERST

### Frequent Questions

- What is C-FERST?
- Who can or should use C-FERST?
- What can I use C-FERST for?

All Questions and Answers

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### Quick Links for Returning Users

- [Maps](#)
- [Community Data Table](#)
- [Issue Profiles](#)
- [Environmental Measurements](#)
- [Exposure and Risk Reduction Options](#)
- [Community and Tribal Projects](#)

## Basic Features of an Environmental Issue Profile

Once you have reached the Environmental Issue Profile page, you can enter your ZIP Code or County and State, select issues, and generate an Issue Profile:

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**C-FERST**

You are here: EPA Home > C-FERST > Generate Environmental Issue Profiles > Profile

**Profile**

View a detailed description of the categories and information contained within an Environmental Issue Profile.

[Save this issue to PDF](#)

*NOTE: If you have trouble printing this page, try "Save this issue to PDF" and print the PDF version.*

**LOCATION**

Address: 48209

**ISSUE**

**GENERAL INFORMATION**

EPA Links:

- Basic Information about Benzene in Drinking Water

Federal and Other Links:

- CDC Facts About Benzene

For more information:

- EPA's Office of Water
- EPA Toxic Air Pollutants

**EXPOSURE AND RISK REDUCTION ACTIONS**

Federal and Other Links:

- ATSDR Public Health Statement: How can families reduce risk of exposure to benzene?

**SOURCES**

EPA Links:

- Search TRIExplorer for Reports on Benzene Releases from Stationary Sources
- Oil and Natural Gas Production

Federal and Other Links:

- NLM ToxTown: Benzene

**ENVIRONMENTAL CONCENTRATION**

Quantitative data supplied by the 2005 National Air Toxics Assessment (outdoor sources only): [Disclaimer](#)

- Estimated average concentration = 2.10  $\mu\text{g}/\text{m}^3$
- estimated Background concentration = 0.6  $\mu\text{g}/\text{m}^3$
- estimated contribution from point sources = 0.09  $\mu\text{g}/\text{m}^3$
- estimated contribution from non-point sources = 0.2  $\mu\text{g}/\text{m}^3$
- estimated contribution from on-road mobile sources = 1.09  $\mu\text{g}/\text{m}^3$
- estimated contribution from non-road mobile sources = 0.10  $\mu\text{g}/\text{m}^3$

**Estimated Exposure Concentration**

**Estimated Cancer Risk**

**HEALTH RISKS**

Quantitative data supplied by the 2005 National Air Toxics Assessment (outdoor sources only): [Disclaimer](#)

Cancer Risk:

- Estimated lifetime Cancer Risk attribute from Benzene = 16.1 in one million
- estimated contribution from Background source = 3.8 in one million
- estimated contribution from point sources = 0.4 in one million
- estimated contribution from non-point sources = 1.2 in one million
- estimated contribution from on-road mobile sources = 10.05 in one million
- estimated contribution from non-road mobile sources = 0.7 in one million

**STRAATEGIES IMPLEMENTED BY OTHER COMMUNITIES**

Community Projects:

- Colorado: Groundwork Denver, Inc. (2005)
  - Summary | [Full Report \(PDF\)](#) (121pp, 49KB, [About PDF](#))
- Missouri: Grace Hill Settlement House, St. Louis (2005)
  - Summary | [Full Report \(PDF\)](#) (26pp, 159KB, [About PDF](#))
- New York: Center of Environmental Information, Rochester (2005)
  - Summary | [Full Report \(PDF\)](#) (56pp, 93KB, [About PDF](#))
- New Mexico: Bernalillo County Office of Environmental Health (2007)
  - Summary

Community-Based Air Toxics Projects Addressing Benzene

- Summary

Clean Air Action Coalition Citizen Scientists Win Big in Tonawanda, New York (Youtube video)

- Summary

[Save this issue to PDF](#)

The Environmental Issue Profiles can be saved as a PDF file using links at the top and bottom of the page.

Click this link for a description of information found in each section of an Issue Profile.

Sections of the Environmental Issue Profile Include:

- General Information
- Exposure and Risk Reduction
- Sources
- Environmental Concentrations\*
- Exposures\*
- Health Risks\*
- Strategies Implemented by other Communities

\*including data and pie charts when available for hazardous outdoor air pollutants.

# Methods for Measuring Local Environmental Conditions

## How to Access Methods for Measuring Local Environmental Conditions from the C-FERST Home page

- 1) Go to **Gather Information about Your Environment**. This page contains a description and examples. The second example is followed by a button to **“Get Started: Collect Environmental Measurements.”**

The screenshot shows the EPA C-FERST website. The header includes the EPA logo, navigation links (Learn the Issues, Science & Technology, Laws & Regulations, About EPA), a search bar, and language options. The left sidebar lists C-FERST Home, View Maps, Compare Estimates, Gather Information (highlighted), Explore Potential Solutions, Community Guides, C-FERST Resources, Frequent Questions, and Limitations. The main content area is titled 'Use C-FERST to Gather Information about Your Environment' and includes a breadcrumb trail: 'You are here: EPA Home » C-FERST » Use C-FERST to Gather Information about Your Environment'. The text describes how C-FERST helps gather and collect environmental information, mentioning Environmental Issue Profiles and the Environmental Measurement Methods section. It includes an example titled 'Example: Generating an Environmental Issue Profile in C-FERST' with a link to 'See the full example of creating an environmental issue profile' and a 'Get Started: Generate Issue Profile' button. Another example titled 'Example: Using C-FERST to Find Methods for Measuring Local Contaminants' includes a link to 'See the full example of finding methods for measuring local contaminants' and a 'Get Started: Collect Environmental Measurements' button. Two images are present: one of a bus and one of two people examining a sample.

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**You are here:** EPA Home » C-FERST » Use C-FERST to Gather Information about Your Environment

### Use C-FERST to Gather Information about Your Environment

C-FERST has information to help you gather and collect information about your environment. Environmental Issue Profiles contain links and data from various sources, from both inside and outside EPA, for some issues and concerns commonly identified by communities. The Environmental Measurement Methods section provides links to key EPA resources on citizen science air monitoring, as well as a set of methods for taking other types of measurements.

#### Example: Generating an Environmental Issue Profile in C-FERST

This example will demonstrate how to generate, read and save an Environmental Issue Profile in C-FERST. Environmental Issue Profiles are helpful for providing information on specific environmental issues of concern. These can provide a starting point for gathering more information on these concerns.

- [See the full example of creating an environmental issue profile](#)

**Get Started:** [Generate Issue Profile](#)

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#### Example: Using C-FERST to Find Methods for Measuring Local Contaminants

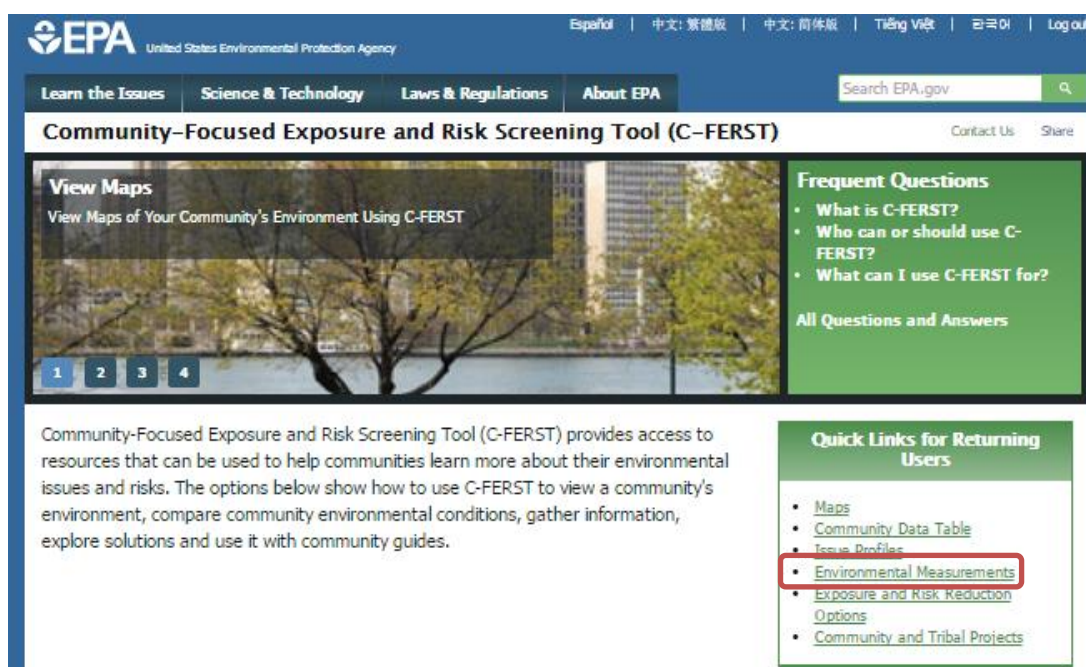
This example demonstrates where to find specific types of measurement methods in C-FERST. This includes links to key EPA resources on citizen science air monitoring, and a set of methods for measuring some pollutants in indoor air, on surfaces, and in water. These were included in an EPA review of tools for communities.

- [See the full example of finding methods for measuring local contaminants](#)

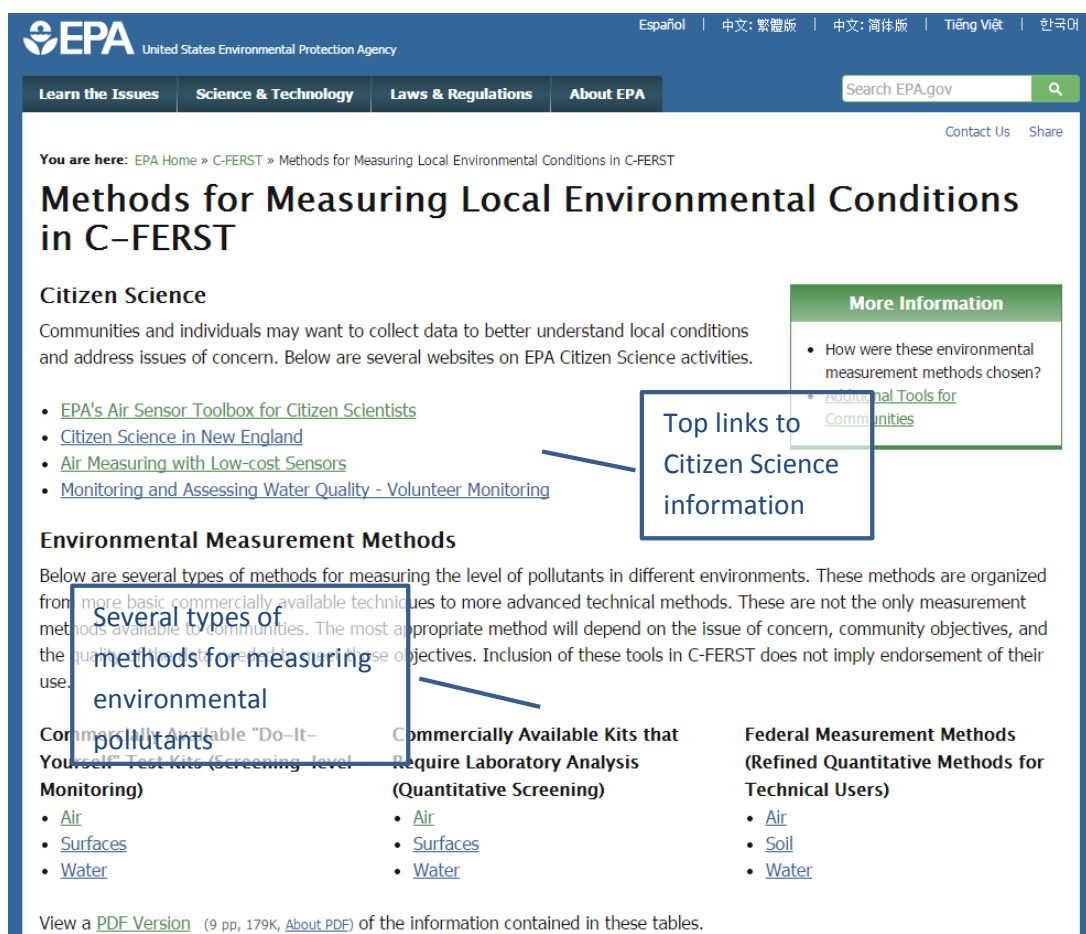
**Get Started:** [Collect Environmental Measurements](#)



- 2) Experienced users can click the Environmental Measurements link in the Quicklinks box on the side of the home page



## Basic Features of the Methods for Measuring Local Environmental Conditions page



## Exposure and Risk Reduction Options

### How to Access Exposure and Risk Reduction Options from the C-FERST Home page

- 1) Go to **Explore Potential Solutions and Community Projects**. This page includes a description and example, followed by a button to **“Get Started: Explore Risk Reduction Options.”**

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You are here: EPA Home » C-FERST » Explore Potential Solutions and Community Projects in C-FERST

## Explore Potential Solutions and Community Projects in C-FERST

C-FERST contains links for Exposure and Risk Reduction Options and for Community and Tribal Projects. Use these to explore for potential solutions to environmental issues and to see what other communities have done.

**Example: Finding Risk Reduction Options for Childhood Asthma in C-FERST**

The Exposure and Risk Reduction Options section of C-FERST contains links to exposure and risk reduction information for a variety of environmental issues. This example shows how to find risk reduction information for childhood asthma and environmental tobacco smoke.

- [See the full example of finding risk reduction actions for childhood asthma](#)

**Get Started:** [Explore Risk Reduction Options](#)

- 2) Returning users can click the Exposure and Risk Reduction Options link in the Quick Links box on the side of the home page

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**Quick Links for Returning Users**

- [Maps](#)
- [Community Data Table](#)
- [Issue Profiles](#)
- [Environmental Measurements](#)
- [Exposure and Risk Reduction Options](#)
- [Community and Tribal Projects](#)

## Basic Features of the Exposure and Risk Reduction Actions page

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**You are here:** EPA Home » C-FERST » Explore Potential Solutions » Exposure and Risk Reduction Options

## Exposure and Risk Reduction Options

Below are links from EPA and other federal sources describing actions that communities can take to control sources or reduce pollutant concentrations, exposures and risks from environmental issues.

- > 1,3 Butadiene Risk Reduction Options
- > Acetaldehyde Risk Reduction Options
- > Acrolein Risk Reduction Options
- > Agricultural Pesticides Risk Reduction Options
- > Arsenic Risk Reduction Options
- > Asbestos Risk Reduction Options
- > Auto body Shops Risk Reduction Options
- > Benzene Risk Reduction Options
- > Brownfields Risk Reduction Options
- ▼ **Childhood Asthma Risk Reduction Actions**
- > Childhood Lead Poisoning Risk Reduction Options
- > Chromium Risk Reduction Options

**More Information**

- [How was this list of issues selected?](#)
- [Additional Guidance and Examples of Solutions for Communities](#)
- [Examples of Exploring Potential Solutions in C-FERST](#)

List of issues for which C-FERST provides links to exposure and risk reduction options.

Click on an issue to see a drop-down menu of links.

**Home**

- [Gain Control Over Asthma: Resources for Parents, Caregivers and Kids](#)
- [CDC You Can Control Your Asthma \(PDF\)](#) (8pp, 398MB, [About PDF](#))
- [Promoting Smoke-free Homes for Head Start Families](#)

**School**

- [Asthma: Improving Health in Schools](#)
- [National Asthma Education and Prevention Program Managing Asthma: A Guide for Schools \(PDF\)](#) (44pp, 1.05MB, [About PDF](#))
- [CDC Healthy Youth Initiating Change: Creating an Asthma-Friendly School Toolkit](#)

**Community**


- [Asthma: Improving Health in Communities](#)
- [CDC Asthma Interventions](#)
- [Develop a Smoke-Free Homes Program](#)
- [DHHS Community Guide to Community Preventative Services: Asthma Control](#)



# Community and Tribal Projects

## How to Access Community and Tribal Projects from the C-FERST Home page

- 1) Go to **Explore Potential Solutions and Community Projects**. This page includes a description and example, followed by a button to **“Get Started: Explore Community and Tribal Projects.”**


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### C-FERST

- C-FERST Home
- View Maps
- Compare Estimates
- Gather Information
- Explore Potential Solutions**
- Community Guides
- C-FERST Resources
- Frequent Questions
- Limitations

**You are here:** [EPA Home](#) » [C-FERST](#) » [Explore Potential Solutions and Community Projects in C-FERST](#)

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- [See the full example of finding risk reduction actions for childhood asthma](#)

**Get Started:** [Explore Risk Reduction Options](#)

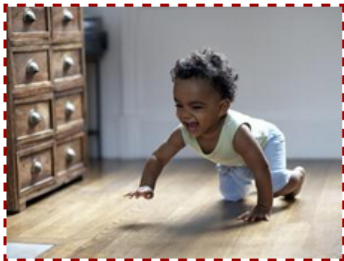

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### Example: Using C-FERST to Find What Other Communities and Tribes Have Done to Address Environmental Issues

C-FERST contains links to information about EPA-supported community and tribal projects that have addressed a variety of environmental issues. This example will show how to find links in C-FERST about what other communities and tribes have done about runoff and water that flows into local sewers or streams.

- [See the full example of finding what other groups have done about runoff](#)

**Get Started:** [Explore Community and Tribal Projects](#)

- 2) Returning users can click the Community Strategies link in the Quick Links box on the side of the page

The screenshot shows the EPA website header with the EPA logo and navigation links: Learn the Issues, Science & Technology, Laws & Regulations, and About EPA. A search bar is located on the right. The main heading is "Community-Focused Exposure and Risk Screening Tool (C-FERST)". Below this, there is a "View Maps" section with a video player showing a city street scene. To the right, a "Frequent Questions" box lists: "What is C-FERST?", "Who can or should use C-FERST?", and "What can I use C-FERST for?". Below the video, a paragraph describes the tool's purpose: "Community-Focused Exposure and Risk Screening Tool (C-FERST) provides access to resources that can be used to help communities learn more about their environmental issues and risks. The options below show how to use C-FERST to view a community's environment, compare community environmental conditions, gather information, explore solutions and use it with community guides." On the right side, a "Quick Links for Returning Users" box contains a list of links: Maps, Community Data Table, Issue Profiles, Environmental Measurements, Exposure and Risk Reduction Options, and Community and Tribal Projects (which is highlighted with a red box).


## Basic Features of the Community and Tribal Projects page

The screenshot shows the "Community and Tribal Projects in C-FERST" page. The breadcrumb trail reads: "You are here: EPA Home > C-FERST > Explore Potential Solutions > Community and Tribal Projects in C-FERST". The main heading is "Community and Tribal Projects in C-FERST". Below the heading, a paragraph states: "Select a health or environmental issue from the drop down menu below to learn how some communities and tribes identified, evaluated and managed their environmental issues." A dropdown menu is open, showing a list of issues: Benzene, 1,3 Butadiene, Acetaldehyde, Acrolein, Agricultural Pesticides, Arsenic, Asbestos, Auto body Shops, Benzene (highlighted), Brownfields, Childhood Asthma, Childhood Lead Poisoning, Chromium, Climate Change, Diesel Exhaust, E.coli at Beaches, Environmental Tobacco Smoke (ETS), Fish Consumption, Formaldehyde, and Hazardous Waste/Pharmaceuticals in Water. To the right, a "More Information" box contains links: "How was this list of issues selected?", "Which community and tribal projects are included here?", "Additional Guidance and Examples", "Resources for Communities", and "Examples of Exploring Potential Solutions in C-FERST". A callout box with an arrow pointing to the dropdown menu contains the text: "Select an issue from the drop-down menu to see community and tribal projects for that issue." Below the dropdown menu, there are links to "Summary" and "Community-based Air Toxics Projects Addressing Benzene".

# Community Guides

## How to Access Community Guides from the C-FERST Home page

Click the **Community Guides** link on the Home page, then click one of the guides.



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### View Maps

View Maps of Your Community's Environment Using C-FERST



### Frequent Questions

- What is C-FERST?
- Who can or should use C-FERST?
- What can I use C-FERST for?


All Questions and Answers

Community-Focused Exposure and Risk Screening Tool (C-FERST) provides access to resources that can be used to help communities learn more about their environmental issues and risks. The options below show how to use C-FERST to view a community's environment, compare community environmental conditions, gather information, explore solutions and use it with community guides.

### Quick Links for Returning Users


- Maps
- Community Data Table
- Issue Profiles
- Environmental Measurements
- Exposure and Risk Reduction Options
- Community and Tribal Projects

### View




- View Maps of Your Community's Environment

### Compare



- Compare Local, County, State and National Estimates

### Gather




- Gather Information about Your Environment

### Related EPA Tools


- Tribal-FERST
- EnviroAtlas
- EJSCREEN

### Explore Solutions




- Explore Potential Solutions and Community Projects

### Community Guides



- Community Guides

### Resources



- C-FERST Resources

### Disclaimer

**Beta version 4.0, March 2015**

This is a beta test version of C-FERST being circulated for comment by individuals and institutions authorized to do so by EPA's Office of Research and Development. See the full disclaimer.

Contact Us to ask a question, provide feedback, or report a problem.



## Basic Features of the Community Guides

Using the CARE Roadmap as an example:

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Search EPA.gov

**C-FERST**

You are here: [EPA Home](#) » [C-FERST](#) » Use C-FERST with EPA's Community Action for a Renewed Environment Roadmap

## Use C-FERST with EPA's Community Action for a Renewed Environment Roadmap

### What is the CARE Roadmap?

The EPA CARE Roadmap was developed by the EPA's Community Action for a Renewed Environment (CARE) Program. It provides a process to:

- Learn about local environmental and environmental health risks and impacts
- Build the community consensus necessary to take effective action
- Mobilize a community partnership to take action to reduce impacts and risks
- Build long-term capacity within your community to understand and reduce environmental impacts and risks

The EPA CARE Resource Guide, a key resource developed by the EPA CARE program, helps users find the online resources that can help communities through every step of the process as they move from getting organized, to becoming stewards of their own environment.

### Use C-FERST with the EPA's CARE Roadmap

The EPA's CARE Program was a key partner in the development of C-FERST. C-FERST has tools and information that can help you with some steps of the CARE Roadmap.

**More Information**

- [EPA CARE Program](#)
- [EPA CARE Roadmap \(PDF\)](#) (20 pp, 3.3MB, [About PDF](#))
- [EPA CARE Resource Guide](#)
- [Additional Tools to Complement C-FERST](#)

Click on the steps to see how C-FERST features and resources can help with these steps.

Step 1 | Step 2 | Step 3 | Step 4 | Step 5 | **Step 6** | Step 7 | Step 8 | Step 9

### Step 6: Collect and Organize Information

"Collect and Summarize available information on stressors, concerns and vulnerabilities; and identify gaps where the information on stressors, concerns and vulnerabilities is missing or inadequate."

**C-FERST Resources for this step:**

- [Maps, Community Data Table and Environmental Issue Profiles](#)  
Gather information on stressors, concerns and vulnerabilities from each these tools and save them to your computer.
- [Methods for Measuring Local Environmental Conditions](#)  
Explore methods for collecting information on environmental conditions such as air quality and indoor pollutants.



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