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for the environment

Modernizing the business of environmental protection

E-Enterprise for the Environment

Modernizing the business of environmental protection.

Shared Governance

Operationalizing cooperative federalism, E-Enterprise creates a dynamic space for environmental experts from states, tribes, and U.S. EPA to collaborate and work together.

Process Improvement

Encouraging projects that lean business processes in strategic areas, E-Enterprise supports activities that reduce burden, yield efficiencies, and strengthen the ways we implement our programs together.

Optimized Technology

Incorporating technology solutions, E-Enterprise supports developing systems that can be built once and used many times, such that U.S. EPA, states, and tribes can save resources and benefit from shared services.

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Advanced Monitoring Strategy & Implementation

Providing a knowledge base for agencies to understand, select, approve, and use new environmental monitoring technologies.

Third-Party Certification

- Determine feasibility of an independent, third-party program.
- Ensure new technology is marketed accurately.

Data Interpretation

- Provide context for advanced monitoring data.
- Communicate interpretation of short-term data.

Scan & Screen

- Establish monitoring technology clearinghouse.
- Enable collaboration between agencies.

Data Standards

- Improve use of advanced monitoring data.
- Increase data quality awareness.

For more information, contact Kelly Poole at kpoole@ecos.org.

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Assistance Gateway

Helping local governments, tribes, and regulated entities gain easy access to decision-making tools and resources.

This web application, hosted within the E-Enterprise Portal (www.e-enterprise.gov), provides tools and resources to achieve and maintain environmental compliance and improve community sustainability and infrastructure resilience.

The Missouri Department of Natural Resources developed a customized version called “Gateway for Community Assistance.” Other state or tribal agencies can adopt this highly configurable application and customize it to suit their own needs.

For more information, contact Sheryl Rosner at rosner.sheryl@epa.gov.

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Be Well Informed

User-friendly web application that helps private well owners understand their water test results.

Accessibility

Provides consistent, timely, and actionable information to the public, including specific geographic resources.

Costs and Timing

Minimizes development costs and reduces time to market for partners.

Public Health

Helps states, tribes, and territories create customized lists with clear explanations of health concerns and treatment options for chemicals and microbial contaminants.

Data & Decision-Making

Makes reading complicated laboratory results much easier for private well owners and helps them make more informed decisions about the need for additional testing or treatment.

For more information, contact Chris Simmers at chris.simmers@doit.nh.gov or Laura Letson at letson.laura@epa.gov.

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Combined Air Emissions Reporting (CAER) Project

Streamlining multiple emissions reporting processes.

Regulated Community

CAER will reduce reporting burden for facilities by avoiding duplicative efforts across programs and improving reporter experience through integrated electronic reporting and shared services.

Public

CAER will improve the availability, timeliness, and transparency of data, while yielding higher quality and more consistent data for various users.

Regulators

U.S. EPA, states, tribes, and locals will deliver more timely decision-making and analyses with more consistent, accessible, and high-quality emissions data.

For more information, contact Julia Gamas at gamas.julia@epa.gov or Kelly Poole at kpoole@ecos.org.

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E-Enterprise Community Inventory Platform

An online community and living project database for state, local, and tribal agency members across the United States.

Users can view partner agencies' projects and systems, and participate in discussion threads to get answers and connect with peers.

The customizable platform spans topics including IT, process improvement, advanced monitoring, and data management.

For more information, contact eecip@ecos.org.

eecip.net

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E-Enterprise Digital Transformation

Applying advanced technologies to protect our environment, create more responsive programs, and improve customer experiences.

Interoperable Systems

Quality information is critical to environmental protection. E-Enterprise helps co-regulators seamlessly connect their IT systems and share data using the Exchange Network.

Shared Services

Coordinated investment in shared technology platforms helps agencies save money and deliver flexible tools that can keep pace with changing technologies and customer needs.

Program Transformation

New technologies like artificial intelligence and internet-connected sensors support smarter programs that protect the environment, respond to emerging threats, and maximize regulatory efficiency.

For more information, contact Kurt Rakouskas at krakouskas@ecos.org.

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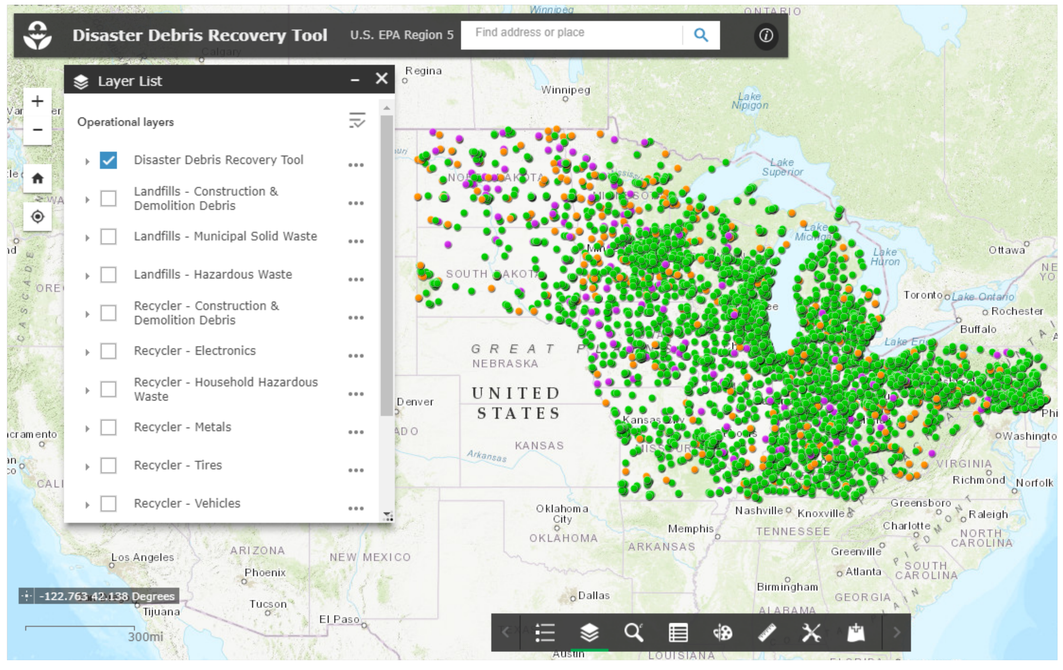
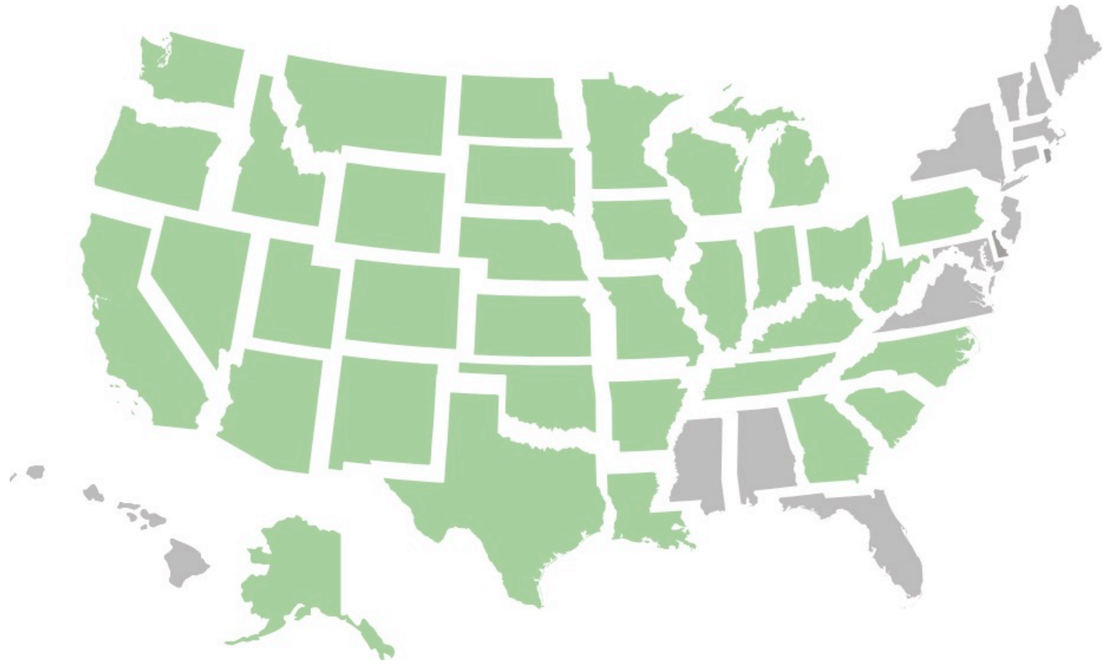
Disaster Debris Recovery Tool

Improving the recovery and recycling of debris with geo-located facility information that saves landfill space and enables communities to rebound faster.



Currently available for 13 midwestern states



Expanding to 35 states

For more information, contact Lucy Stanfield at stanfield.lucy@epa.gov,
Camille Lukey at lukey.camille@epa.gov, or Theresa Blaine at blaine.theresa@epa.gov.

r5.ercloud.org/WAB/DDRT
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E-Enterprise Portal

User-friendly web platform modernizing how the public, the regulated community, and environmental regulators conduct environmental business.

Public

Provides the public with a customizable, personalized user experience, such as offering health and treatment information for private well-water owners through *Be Well Informed* and real-time air quality information through *My Air*.

Regulated Entities

Gives regulated entities access to simplified reporting and permitting applications, compliance assistance tools, facility management practices, and a federal regulation finder.

Regulators

Will evolve into an interoperable portal, integrating data and functionality over time to create dynamic tools for collaboration and innovation for U.S. EPA, states, and tribes.

For more information, contact Laura Letson at letson.laura@epa.gov or Shana Harbour at harbour.shana@epa.gov.

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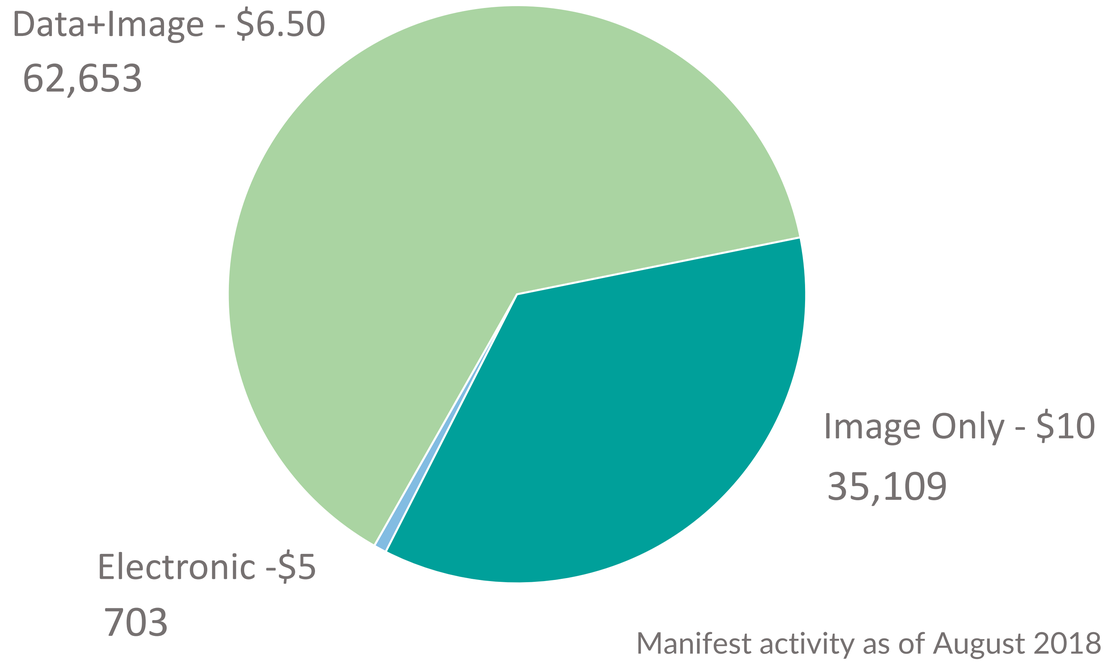
e-Manifest

Modernizing the nation's hazardous waste tracking system while saving time and money for industry, states, and tribes.

Key Benefits & Results

- Collaborated with states, tribes, and user community toward mid-2018 system launch.
- Hosted in cloud environment to deliver agency cost savings and enhanced security.
- Leverages shared services for eSignature.
- Provides single hub for one-stop reporting.
- Allows rapid notification of shipment discrepancies.
- Improves safety in transportation.

E-Manifest Submission Options & Fees



Manifest activity as of August 2018

For more information, contact eManifest@epa.gov.

epa.gov/e-manifest

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e-Permitting Return on Investment (ROI) Calculator

Evaluating the impact of investments in e-Permitting by estimating potential increased economic activity and efficiencies.

Time to Market

Estimates gains in economic activity associated with reduced permit processing times.

Trusted Transactions

Estimates gains in productive value-added time for industry when uncertainty in the review process is reduced.

Right Info, Right Time

Estimates increased economic activity from efficiency in requesting and accessing information.

For more information, contact David Nicholas at nicholas.david@epa.gov.

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Pesticides Label Matching

Making information accessible to inspectors, consumers, and registrants.

Simpler, more efficient marketplace label inspections

- View registration status, toxicity signal word, and other information.
- Send inspection reports from the app.

Improved access to product data

- Consolidates data from multiple sources.
- Integrates compliance databases (possible future work).

For more information, contact Alan Boutureira at boutureira.alan@epa.gov.

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Quality Assurance Project Plans

Improving the process and experience for reviewing and approving tribal and state grant Quality Assurance Project Plans.

Accelerated Time

Standard benchmark for reviewing QAPP, from U.S. EPA receipt to final approval.

Consistency

Guidance and process to ensure QAPPs are consistently approved across U.S. EPA.

Transparency

U.S. EPA, states, and tribes better understand workflow and expectations.

For more information, contact Jessica Snyder at synder.jessica@epa.gov.

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Smart Mobile Tools for Field Inspectors

Reinventing the environmental field inspection process by providing a suite of mobile digital tools to improve inspection quality, consistency, and efficiency.

Shared Governance

U.S. EPA and states jointly govern and work collaboratively to effect the Smart Tools vision.

Supportive Software

U.S. EPA and states are creating Smart Tools software that intelligently guides inspectors and facilitates evidence collection and creation of a draft inspection report.

Hardware Agnostic

U.S. EPA and states may use Smart Tools software on a variety of mobile devices appropriate to the particular type of inspection. Military-grade, intrinsically safe devices can cover all inspection types.

For more information, contact David Meredith at meredith.david@epa.gov.

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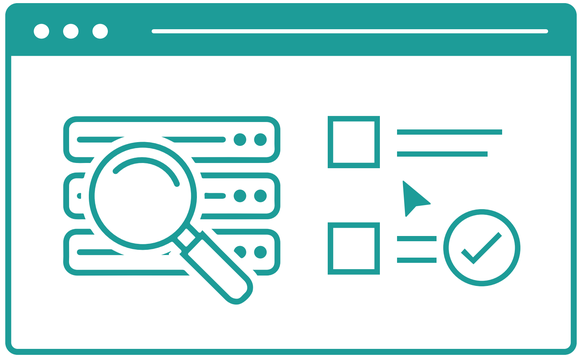
State Planning Electronic Collaboration System for State Implementation Plans (SPeCS for SIPs)

Collecting and reviewing SIP information through an organized, consistent approach.

SPeCS is a user-friendly, web-based system that enables state and local air agencies to electronically submit to U.S. EPA SIP revisions and related information to facilitate the effective review, approval, and tracking of compliance with Clean Air Act requirements.



SPeCS is comprised of three main components: the State Plan Collection Interface; U.S. EPA Clearinghouse; and the Public Dashboard. SPeCS includes searchable access to previously submitted plans, concurrent plan review by multiple U.S. EPA offices, and updated SIP status information, leading to more efficient plan processing.

For more information, contact Mia South at South.Mia@epa.gov or Kelly Poole at kpoole@ecos.org.

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Electronically Reporting Tribal Water Quality Decisions

Modernizing tribal water quality tracking and reporting.

- Develop a sound legacy of water quality data.
- Use data to improve environmental decision-making.
- Increase the ability to share data between tribes and others.

For more information, contact Laura Shumway at shumway.laura@epa.gov.

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