E-ENTERPRISE

for the environment

Modernizing the business of environmental protection

PROJECT SUMMARY

E-Enterprise Federated Identity Management (EE-FIM) allows users to move between secure state, tribal, and EPA systems with the user's chosen login.

The current EE-FIM project work aims to expand this network of trusted systems and identify the most beneficial ways participants can use the network to serve their agency's mission.

PROJECT LEADS

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RESOURCES

EE-FIM Phase I Report, **Partner Integration and Gap Analysis**

For a full explanation of the EE-FIM model, visit the **EE-FIM Landing Page**

E-ENTERPRISE FEDERATED IDENTITY MANAGEMENT PHASE II

Ensure secure interactions and enhanced user experience across partners through single online authentications.

Challenge

Environmental agency staff and the regulated community access a multitude of databases and government services as part of their regular tasks, which makes managing passwords and multiple accounts a burdensome process.

Benefits

- Enhanced user experience through more secure and simplified transactions
- Reduced cost and burden associated with registering and maintaining multiple identities across applications, supporting agency staff to remain productive
- Improved two-way business transactions between co-regulators and the regulated community
- Improved collaborative work between co-regulators by eliminating barriers between agencies
- Reduced costs by providing "Single-Sign-On" functionality to entities that lack the resources to create such a system for themselves

Accomplishments

Phase 2 expands the trust network to include U.S. EPA's Shared Cross-Media Electronic Reporting Rule (CROMERR) Services, as well as secure data sharing between partners including the Colorado Department of Health & Environment and the Arizona Department of Environmental Quality.

The project team developed interagency workflows for agency staff to use the E-Enterprise Federated Identity Management (EE-FIM) system to share air and water quality monitoring and modeling data across state lines and collaborate with other agencies in responding to environmental incidents.

What's Next?

- Publish more API capabilities to facilitate emergency response workflows. This includes state emergency contacts for partner environmental agencies, EPA's Toxics Release Inventory (TRI) data, and other data APIs.
- Use the API capabilities in a variety of client applications such as Google Assistant, an artificial intelligence virtual assistant.
- Complete the deployment of shared CROMERR identities across E-Enterprise partners.
- Develop user guides and documentation for authenticated user access.
- Increase the number of log-in accounts available to users.