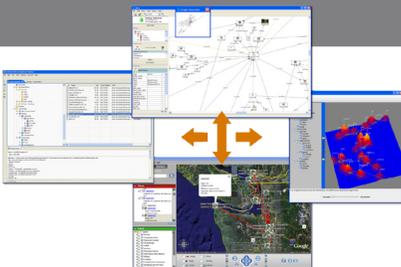


# Fused Analytic Desktop Environment

The Pacific Northwest National Laboratory (PNNL) has devoted years of research and development to finding better, faster, easier ways to get the right information to the right people at the right time. Through information frameworks that organize, share, and analyze large volumes of data from many different sources in many different forms, PNNL is developing tools that can be employed to support different forms of analysis by different organizations.



## FUSED ANALYTIC DESKTOP ENVIRONMENT



### Meeting the information needs of first responders

PNNL has partnered with the Department of Homeland Security (DHS) to adapt the Fused Analytic Desktop Environment (FADE), a desktop information analysis environment, specifically for the first responder and law enforcement community. FADE provides a robust environment for storing, organizing and working with dynamic and heterogeneous information sources, fundamentally transforming information analysis by providing a suite of tools that provide alternative views of the data.

### Store and organize data efficiently, in meaningful ways

FADE allows users to store large volumes of information in a single location, and organize it in ways that make sense to those who need to access and analyze it. The FADE user interface is designed to look and feel much like the folder system used on typical computer workstations, with added functionality to create customized relationships between groups of files without requiring redundant storage. This allows users to organize new and existing data repeatedly, in different specified combinations, through a workgroup information repository that provides secure access and maximizes system performance.

### Collaborate easily with team members

First responder teams have to stay on the same page to effectively do their jobs. Ideal for teams working on the same network infrastructure, FADE makes it easy for team members to collaborate within a single, common framework. Files stored in the central repository are accessible to multiple users (with appropriate permissions), and information relationships created by one user are available to other users who may want to view data in a similar way.

### Make more effective decisions with access to more information

When making critical decisions, first responders need as much information as possible to be readily available for analysis. FADE imports data from virtually any source, and stores and translates it for analysis without regard to its original format. With FADE, first responders now have the ability to use structured (databases, spreadsheets, etc.) and unstructured data (documents, pictures, etc.) together for more complete analyses. Because of the environment's integrated nature, the user can focus on using the information rather than preparing the data to make it usable for future analysis, enabling more effective allocation of resources to important tasks.

## Perform better analyses using a powerful embedded toolkit

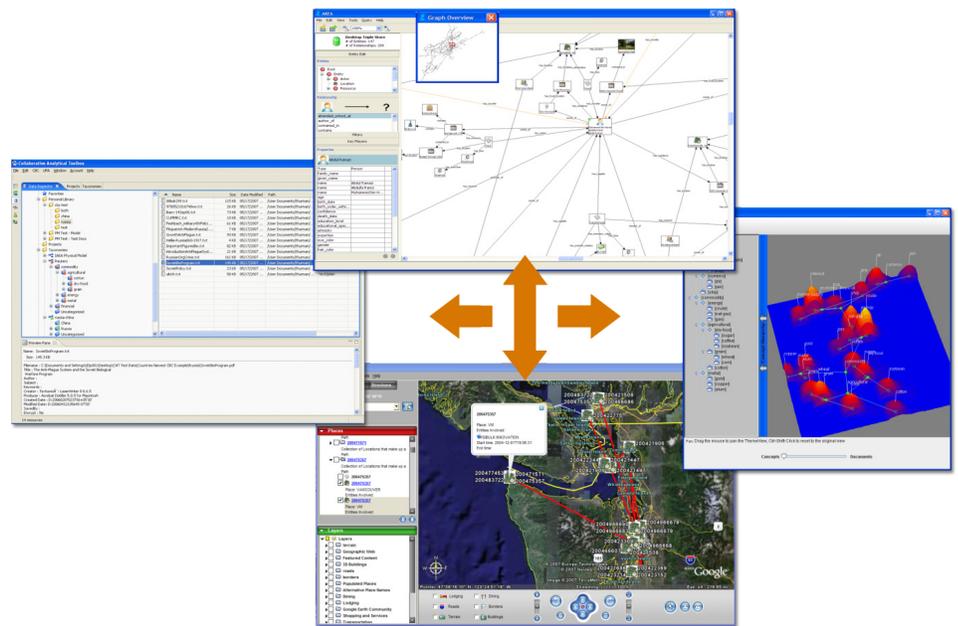
Integrated into PNNL's FADE environment are a set of tools that can be used to manipulate data in different ways based on user needs for a given analysis. The tools access data through a single interface, which allows them to plug into a common set of user-organized data and process or display it based on different analytical purposes. This interface also provides easy access for additional tools to be integrated into the environment, allowing it to adapt to growing analytical needs.

## User and system friendly for easy implementation

Designed for a broad user base, FADE is easy to operationalize, with very little time needed for training and familiarization with the interface. The drag-and-drop folder environment through which a user adds, deletes, and sorts data within the environment is simple and readily familiar to users. And the integrated nature of its analytical components provide for effortless data manipulation.

## Pilot Deployments

PNNL is actively piloting FADE with various government analysis organizations throughout the United States. Users within government agencies report great satisfaction with the tool suite while also offering suggestions for improvement. Noted one user: *"As the initial funding organization behind FADE, we view it as a tremendous success that not only is it useful to us, but also to numerous other national and homeland security organizations. FADE provides us with a tremendous improvement in our ability to handle large amounts of files, identify those relevant to analytic tasks, and organize and analyze the information to draw conclusions that lead to better decision making."* Another stated, *"(FADE) is a great concept to be able to import data into a central hub, which then can figure out how to make it synch with other tools automatically. We also like being able to import a document once and have pointers to it from multiple folders."*



### Commercial Licensing Opportunity

The Fused Analytic Desktop Environment is now available for commercial licensing, contact: Ron Thomas  
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