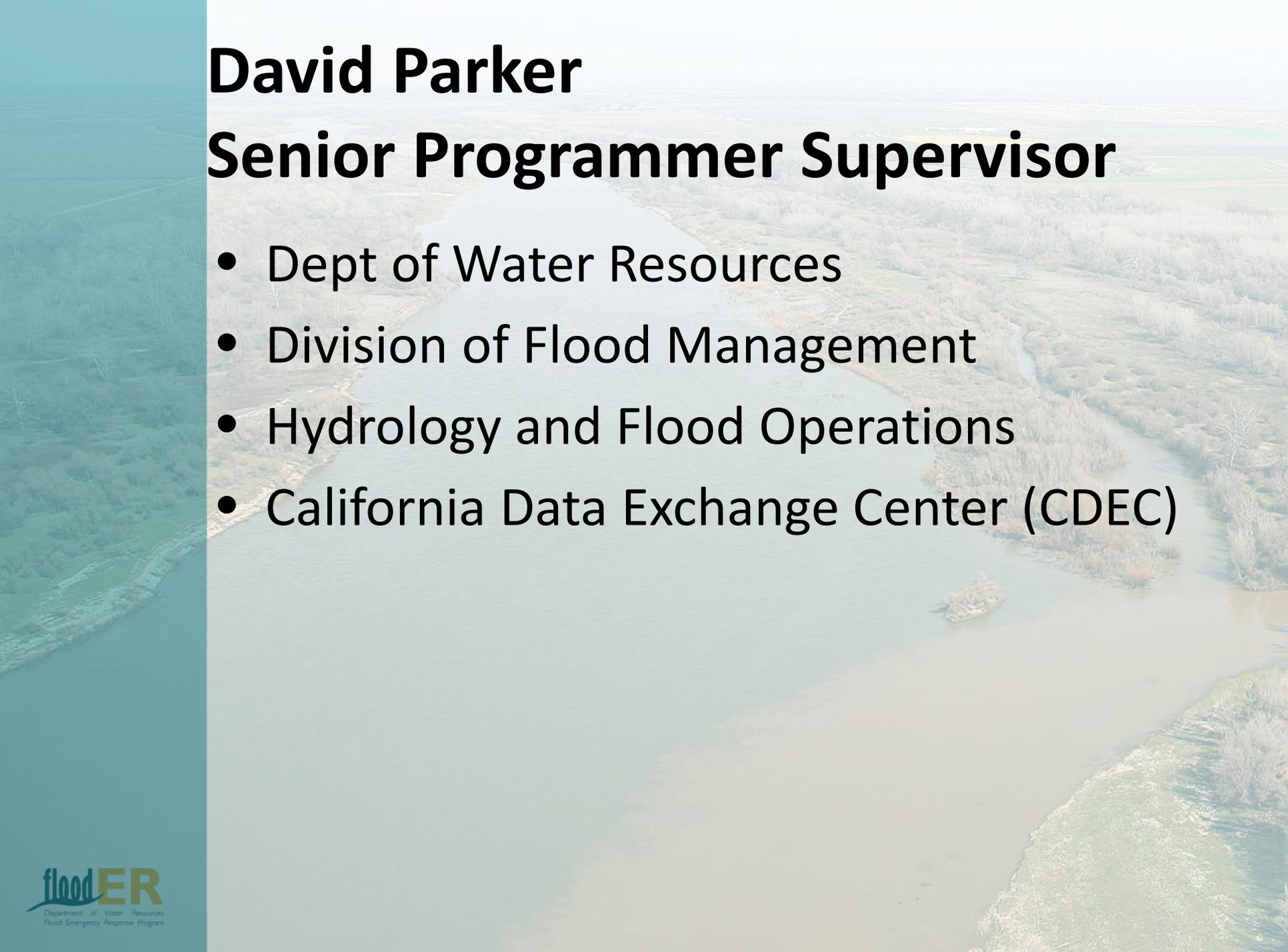


Flood Emergency Response Information Exchange (FERIX)

November 2014

An aerial photograph of a wide river flowing through a rural landscape. The river is the central focus, with green fields and some trees on either bank. The sky is bright and slightly hazy. The overall tone is natural and scenic.

David Parker

Senior Programmer Supervisor

- Dept of Water Resources
- Division of Flood Management
- Hydrology and Flood Operations
- California Data Exchange Center (CDEC)

Purpose of FERIX

The purpose FERIX is to compile integrate, and exchange flood information and make it easily available to the agencies responsible for flood management in California.

The integrated system includes:

- Real-time hydrologic data and climate information
- Weather and hydrologic forecast data
- Reservoir operations and runoff forecasting models
- Documentation of the Central Valley flood system

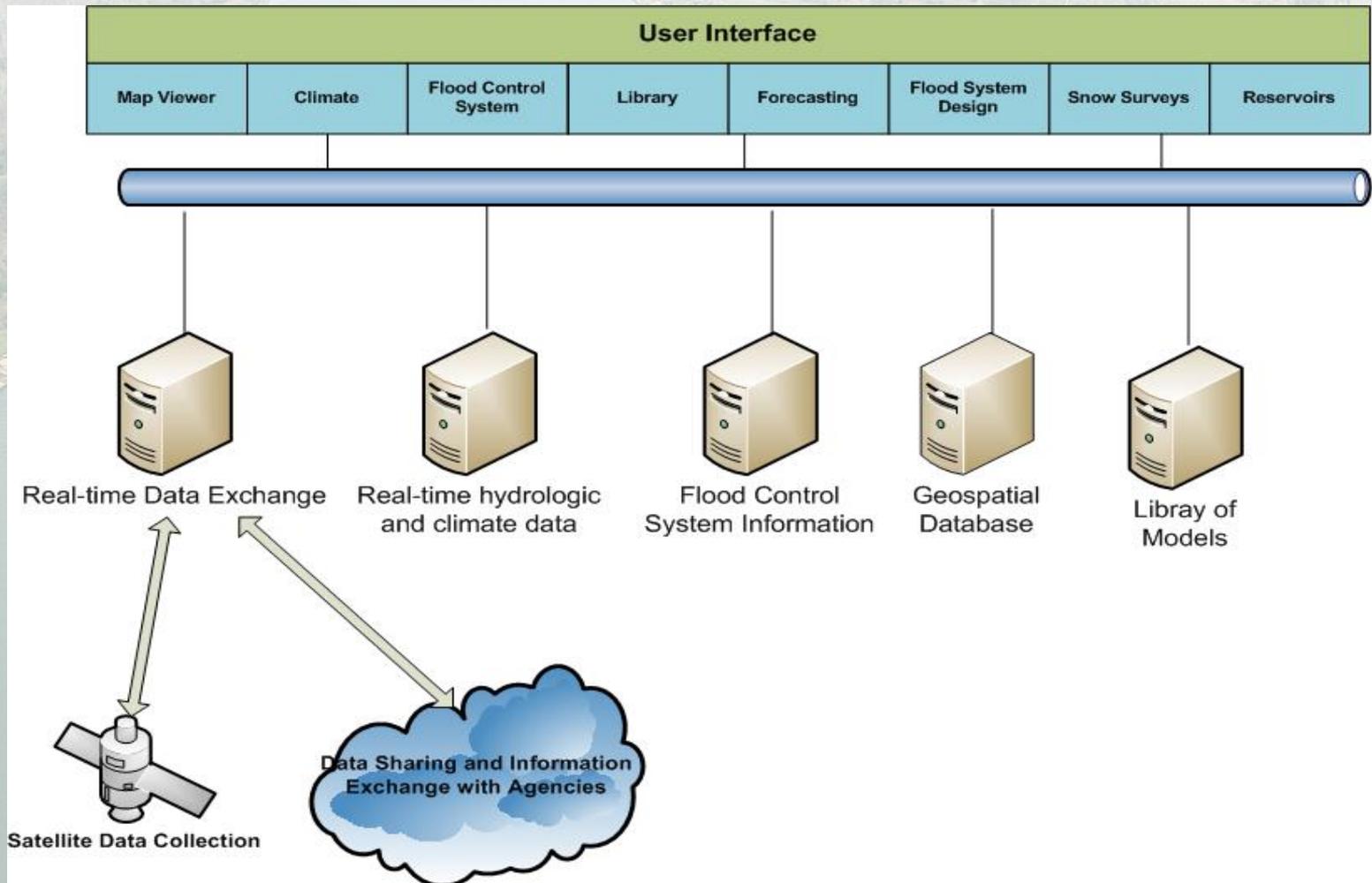
Cont.,

- Levee status information from Local Maintaining Agencies
- Flood system inspection reporting
- Flood Operations Center incident reporting
- Flood ER Library of documents

The integrated system features:

- A geo-reference database of flood, hydrology, and climate information
- A web-based user interface for easy access
- A secure access with different levels of security
- A data exchange process for data sharing

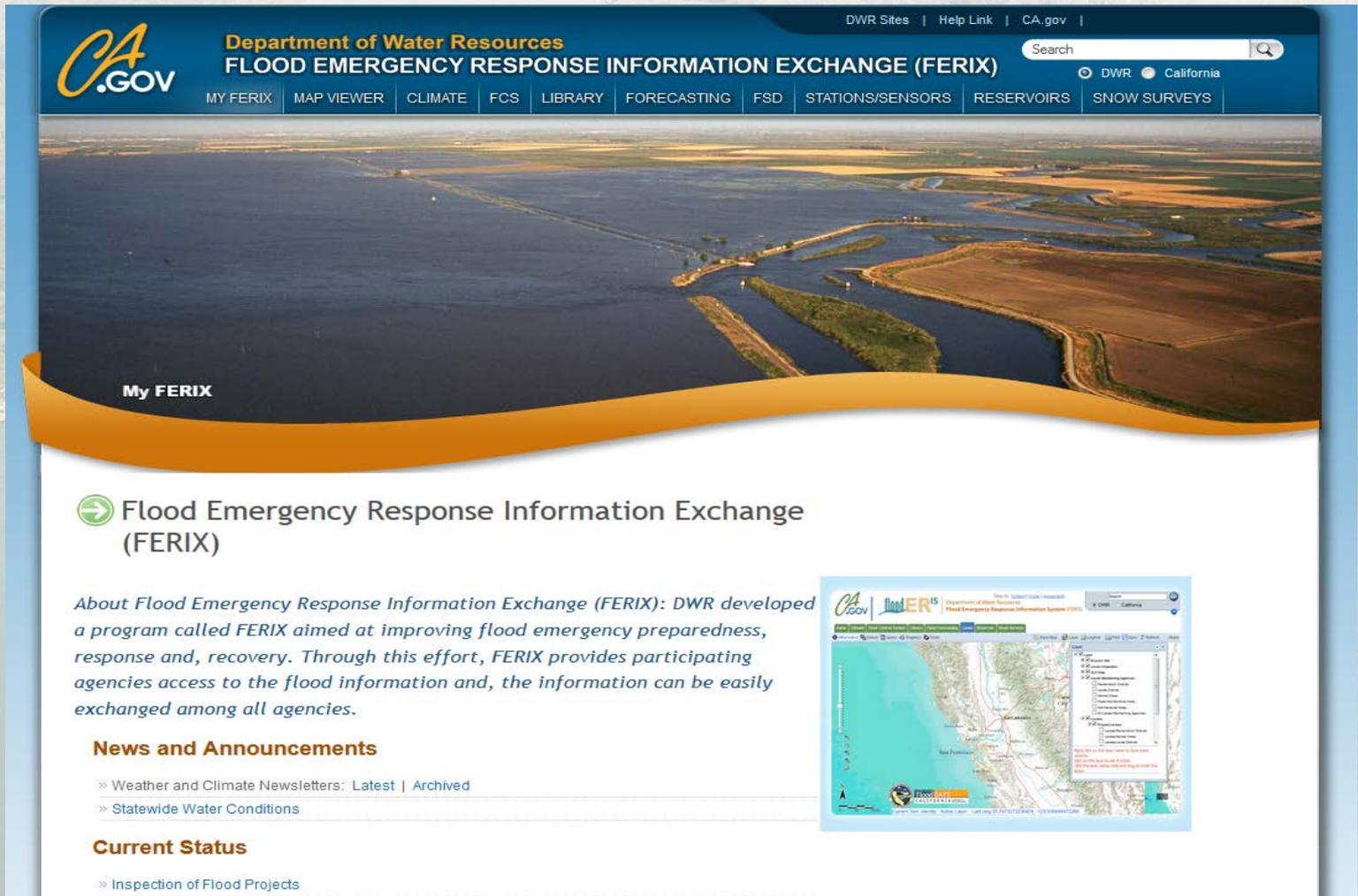
Flood ER Information Exchange Architecture



Key Features

- Flexible, interactive, and expandable user interface
- Database driven with use of common software development tools like Java and Oracle RDBMS
- Layer management and base map selection
- Data and document retrieval through map interface or table lists, which access Oracle database directly
- GIS Tools: measure, buffer, add graphics, print and export, save and share interface

FERIX Home Page



The screenshot shows the FERIX Home Page. At the top, there is a navigation bar with the CA.GOV logo, the Department of Water Resources name, and the title 'FLOOD EMERGENCY RESPONSE INFORMATION EXCHANGE (FERIX)'. A search bar is located on the right. Below the navigation bar is a large aerial photograph of a flooded agricultural area. A blue banner with the text 'My FERIX' is overlaid on the bottom left of the photo. Below the photo, there is a green circular icon with a right-pointing arrow, followed by the text 'Flood Emergency Response Information Exchange (FERIX)'. A paragraph of text describes the program's purpose. Below this, there are two sections: 'News and Announcements' and 'Current Status', each with a list of links. On the right side, there is a small inset image of the FERIX map interface, showing a map of California with various data layers and a legend.

CA.GOV Department of Water Resources
FLOOD EMERGENCY RESPONSE INFORMATION EXCHANGE (FERIX)

MY FERIX | MAP VIEWER | CLIMATE | FCS | LIBRARY | FORECASTING | FSD | STATIONS/SENSORS | RESERVOIRS | SNOW SURVEYS

Search DWR California

My FERIX

➔ Flood Emergency Response Information Exchange (FERIX)

About Flood Emergency Response Information Exchange (FERIX): DWR developed a program called FERIX aimed at improving flood emergency preparedness, response and, recovery. Through this effort, FERIX provides participating agencies access to the flood information and, the information can be easily exchanged among all agencies.

News and Announcements

- » Weather and Climate Newsletters: Latest | Archived
- » Statewide Water Conditions

Current Status

- » Inspection of Flood Projects



The inset image shows the FERIX map interface. It features a map of California with various data layers overlaid. A legend on the right side of the map lists different data types such as 'Flood Hazard', 'Flood Risk', and 'Flood Damage Potential'. The map interface includes a search bar, a scale bar, and a north arrow.

FERIX Vision

- Flexible and customizable user interface
- Application development with current software development tools (Java/Oracle)
- Access to data via relational database and geo-database platforms
- Data exchange and data sharing
- Database driven