

# WAFS-WebGIS...

## Your Web Solution for WAFS

### About WAFS-WebGIS

WAFS-WebGIS is based on the WebGIS package, a generic viewer and handler of geographical information-based data for Environmental applications.

WAFS-WebGIS has been assessed by the UK-Met SADIS Authority, which has certified its passing and full compliance to the criteria set for the fourth round of SADIS FTP workstation software evaluations.

The WAFS-WebGIS package has the capabilities to be set up as a Decision Support System for weather aviation assistance.

### FEATURES

- Interfaces with SADIS and ISCS WAFS sources.
- Handles Bulletins, PNG Charts, BUFR, GRIB, and imagery data.
- Simultaneous reception, display and print capabilities.
- Selective reception of user defined products.
- Alert Message for user-specified products.
- Display vertical Cross Section along a route.
- Support GIS layer for map background customization.
- Product Archival.
- Distribution of Web enabled products.

### RECEIVE, STORE, DISPLAY, PRINT BULLETINS, GRIB, CHARTS AND IMAGERY

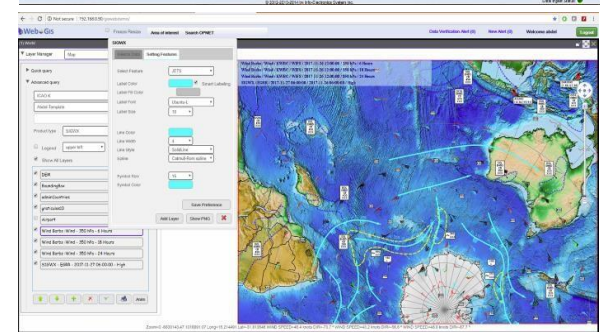
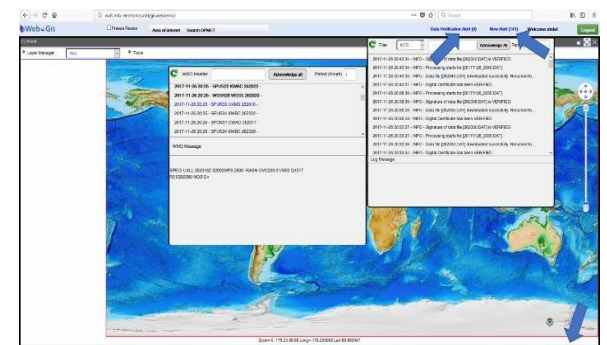
#### Graphical User Interface (GUI)

WAFS-WebGIS is OS platform independent and provides a Web-based Graphical User Interface. This allows the simultaneous reception, display and printing of products, while at the same time providing the user with an intuitive Graphical Interface to manipulate them.

#### Selection and Identification of Products

WAFS-WebGIS selects weather products using the WMO product header. By editing a Product Selection Table, you may specify the list of products to be accepted by your unit and those to be printed, archived or those for which an alert is to be generated.

You can also select any user's script to be executed on a specified product.



## OPMET Data Retrieval

Report types TAF, METAR and SIGMET are retrieved, decoded and displayed in tabular and graphical formats. Decoded data can be compared against a specified condition to extract only the reports meeting that specified condition (e.g. visibility less than five miles). In addition, decoders for UA and FT type reports can be provided. Pattern matching can also be defined and applied to the database to generate warnings.

## GRIB Data Display

Fields decoded from GRIB data may be displayed on a map background as raw data, contours, wind barbs or arrows in various colours and line styles.

Vertical cross-section display and plotting from GRIB data are also generated.

## BUFR Data Display

The BUFR data are received and decoded to reproduce the T4 equivalent files of significant weather charts. These products are meant to replace the T4 charts and to allow the user to focus their charts on the exact area of interest. All required projections, zooms and weather symbols are supported.

## Decoded Data on Map Background

Decoded data may be displayed on a map background as values or as station models using international symbols. Analysis of Randomly Spaced Data is also available.

## PNG Charts Viewer

The PNG charts viewer allows the user to display the T4 charts and perform the basic functions such as zoom, rotate, crop, annotate and print.

## UPPERAIR Data Plotting

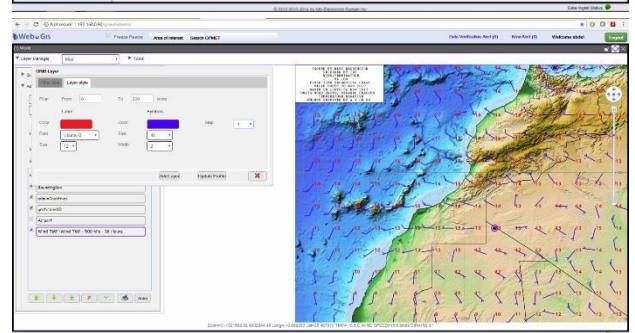
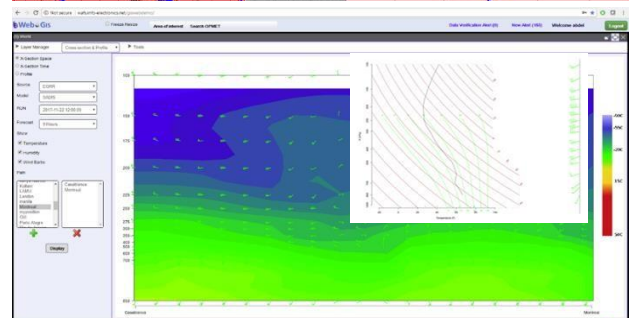
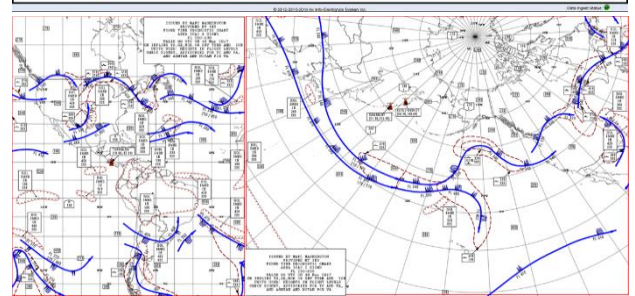
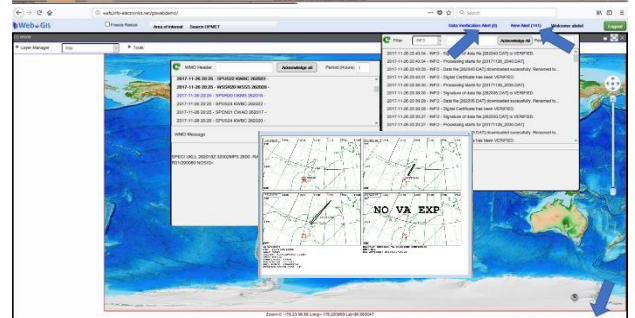
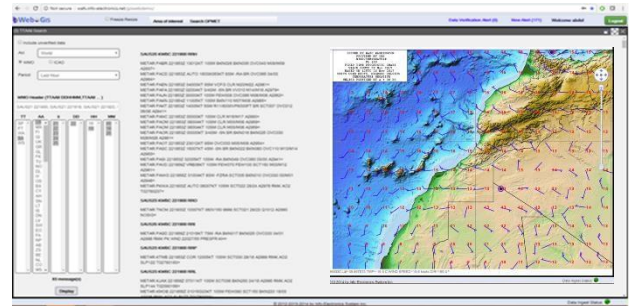
SkewT and Hodograph applications are available for UPPERAIR data display and printing.

## Alert Message Notification and Display

The user may define the products for which they wish to be notified on reception.

## And much more

WAFS-WebGIS also integrates a number of GIS layers and could also integrate other types of data from other sources, such as satellite and radar imagery, lightning data, etc. In addition, WAFS-WebGIS can animate products and automatically and manually generate products based on a user's predefined schedule.



For more information about a WAFS-WebGIS Evaluation Demo, please contact us:



## Info-Electronics Systems Inc.

1755 St-Regis, Suite 100  
Dollard-des-Ormeaux (Montreal)  
Quebec, Canada H9B 2M9

☎ (514) 421-0767 | 📠 (514) 421-0769

✉ [contact@info-electronics.com](mailto:contact@info-electronics.com) 🌐 <http://www.info-electronics.com>

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