



# WAFS-WebGIS

Your Web Solution for WAFS



## About WAFS-WebGIS

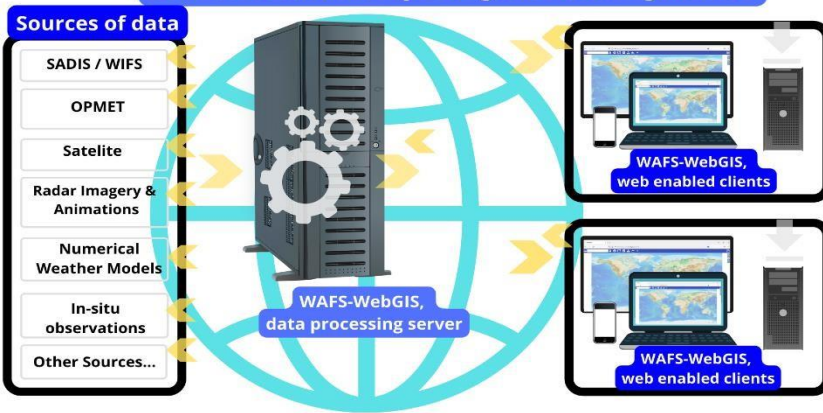
WAFS is an Aviation Weather Data Distribution System developed through ICAO and WMO collaboration. Our processing and Display System WAFS-WebGIS is based on the WebGIS package, a generic viewer and handler of geographical information-based data for Environmental applications.

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.



### Service based: Example of generic configuration



## FEATURES:

- Interfaces with SADIS and ISCS WAFS sources.
- Handles Bulletins, PNG Charts, BUFR, GRIB
- Aviation charts; SIGWX, Wind-temp, etc.
- Simultaneous reception, display, and print capability.
- 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

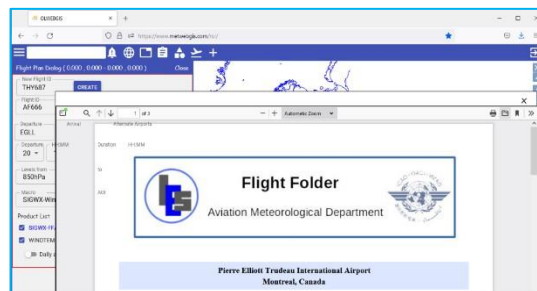
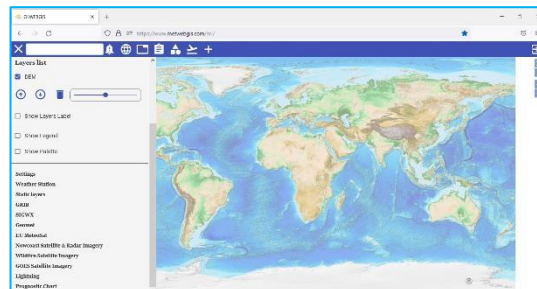
### Responsive Graphical User Interface (GUI)

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.

### Quick 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.

## [Multiple Available GRIB Data Display Options](#)

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](#)

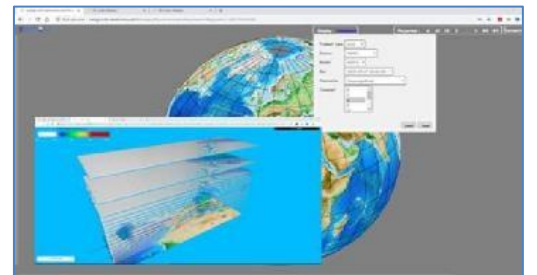
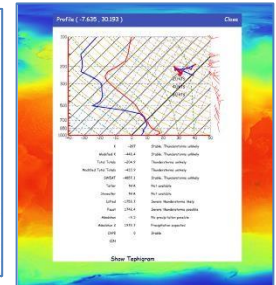
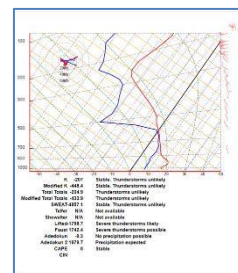
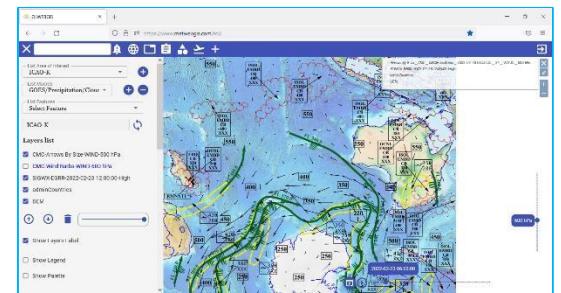
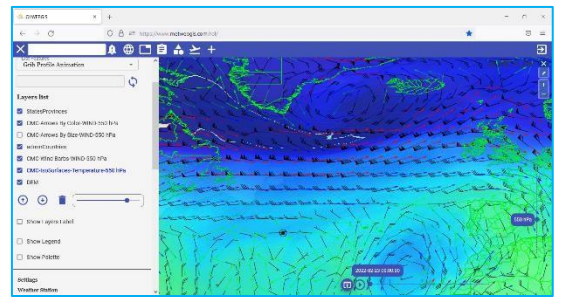
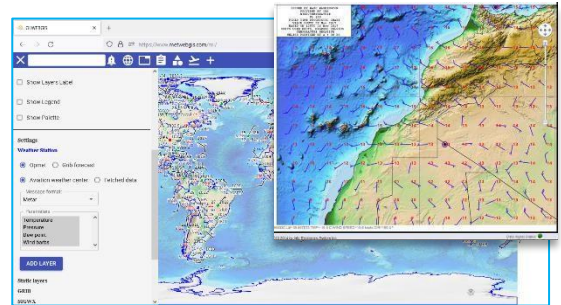
SkewT and Hodograph applications are available for UPPERAIR data display and printing.

## [Alert Message Notification and Display](#)

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

## [And much more...](#)

As a separate module, WAFS-WebGIS also now features a 3D volumetric cube and globe for visual analysis and could also integrate other sources of data, such as satellite and radar imagery, lightning data, etc. for your application. 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.**

6600 Trans Canada Hwy, Suite #400,  
Pointe-Claire, (Montréal) Québec,  
H9R 4S2, Canada  
☎ 1 (514) 505-1996  
✉ [contact@info-electronics.com](mailto:contact@info-electronics.com)

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**Met-WebGIS**