Weather World 2010 (WW2010) is a WWW framework for presenting a large collection of real time weather products, archived products, case studies and copious descriptive and educational materials to go with each including detailed instructional modules and curriculum activities.

**Online Guides:**
Included in this framework is our ever-growing “Guide to Meteorology” that features numerous modules that cover a variety of topics such as fronts, clouds, remote sensing, El-Niño and much more. These modules can be traversed individually or used as a reference for learning more about topics in the “helper sections”. Also, archived case studies exist to let the user study past weather events.

**Helper Sections:**
Many topics as well as advanced weather terms are linked to “helper sections” that provide the student with a more detailed understanding on the subject. The user then has the option of returning to the page they came from, or to pursue more information on the subject by navigating to a full page discussing the topic. This allows a user to learn more about a related topic without getting lost in the server.

**Curriculum and Activities:**
Curriculum and classroom activities allow teachers access to blueprints for implementing weather modules in their classroom. Complete with question sheets and a teacher’s guide with answers, this gives the teachers the ability to construct several hour-long sessions in which students can learn to convert local time to the UTC coordinates used in the field, or how to interpret weather maps. Many of these curricula have been created and refined from feedback and interaction from teachers and students.

Core Technologies

**Efficient Navigation:**
The WW2010 framework provides an easy-to-use and consistent navigation system in the form of a hierarchical horizontal menubar on each page. Users can move between any one of hundreds of pages with only a few clicks and return easily.

**Automated Layout:**
Each page is formatted automatically and the links to the navigation menu system are maintained automatically. Server appearance can be globally changed in seconds.

**Multiple Formats:**
Pages can be displayed in both high and low graphics modes and with or without Java enhancement to accommodate a variety of user network and hardware capabilities.

**Personal Service:**
The server can be used to remember a user’s place in any subsection, to customize server appearance for the user, and to set up personal collections of products.

**Multimedia CD-ROM:**
A multimedia educational CD-ROM has been created to assist teachers with quicker access to information.

**Advanced Multimedia**
Streaming video and VRML environments are now being incorporated into a new Hurricane module coming soon.

**Current Weather Data**
A new look coming soon…

Sponsors:
NSF, NASA, UIUC, DAS, NCSA

Have you been there?

http://ww2010.atmos.uiuc.edu/