EnViroCast Collaboration Module (EVCM)

Application being developed by Storm Center Communications to enhance meteorological collaborations between end users and decision makers - NASA and NOAA funding for development

- wrapper around Google Earth
- access kml files from anywhere on the internet or local server – satellite data, etc, even AWIPS digital grids to kml
- internet exchange of data and information – phone line for voice
- common display among remote users
- interactive - any user can control lead and control display / functions
- animation of imagery
- drawing capabilities allow for quick annotation

Demonstrated application to Anchorage CWSU and AAWU (May 2011) to support aviation weather and volcanic ash monitoring

Used regularly by Gulf of Mexico Alliance (GOMA) partners (Governors DEM, FEMA, and NWS Southern Region HQs) for disaster management (wildfires, floods, hurricanes, etc)

Start a collaboration with a bunch of partners / users:

- Alaska Region Headquarters
- Alaska Aviation Weather Unit (AAWU)
- SPoRT (Huntsville, Alabama)
- StormCenter Communications (Baltimore, Maryland)
- UAF Alaska Volcano Observatory (AVO) - Peter Webley
- Other WFOs ?
- GOES-R Proving Ground (here in Juneau)

EnViroCast Collaboration Module (EVCM)

Storm Center Communications developing a Government version of the collaboration tool – EVCM-G

Software available to all Government entities for use on variety of PC platforms

- local server capability – faster data displays
- simplified animation
- better drawing capabilities
- enhanced help capabilities

New capabilities developed under government funding available in future updates

Integrate CIMSS/UAF Aviation/High Latitude Proving Ground products into server for EVCM access

Demonstrate in Pacific Region with limited bandwidth capabilities

2010 Action w.r.t. EVCM Collaboration Tool

Can the EVCM tool help to provide access to "experimental" data for the Pacific Region?

- end users without AWIPS
- limited band width

Issues can be addressed with EVCM

- Government version – EVCM-G freely available
- local computer to serve KML files
- use tiling of high resolution satellite data for quicker display in bandwidth-limited
- look to demonstrate in coming year