Iris, Impacts Catalog, and iNWS

An update on
project progress
Changes since the last VLab forum

• We’ve begun our transition to the Integrated Dissemination Program.
• We’ve continued to make changes to the program architecture to support future enhancements.
• We’re continuing to work with the Impacts Catalog Integrated Working Team to refine requirements for the FY16 beta test period.
Integrated Dissemination Program

• Databases have been moved and several applications are now running.
• IDP system administrators have been very helpful throughout the process.
• A weekly performance review is required for Ben Kyger each Wednesday.
• In general, IDP base software is frozen on RHEL6 supported versions, but exceptions can be made, if justified.
Integrated Dissemination Program

• We are currently in the migration phase of our project, which will conclude August 1st.
• All software must be redesigned to fit new architecture.
• All requirements must be documented and test cases written.
• Latest indications are that the project will reach operational status in the November to December time frame.
System changes since the last Vlab

• The iNWS user interface has been re-written in Javascript, abandoning the obsolete PHP-Symfony version current used.

• Observational data is now stored in Postgresql as JSON, allowing us to decode new elements as needed without changing the database schema.

• We continue to work toward a consolidated, map based Iris interface similar to EDD.

• Continued work on the Alert Monitor component of the Alert Monitor interface.
Impacts Catalog beta requirements

• Support for Aviation Weather Center.
• Impacts will have a severity level assignment.
• Opening of AWIPS firewalls to Iris framework.
• Contacts will be unique and have both permission and assignment restrictions.
Challenges

• We are still trying to solidify staffing levels for the project. Currently, most of the Iris team are NRAP members.
Challenges

• Integration of two mature projects with different user bases, and a component with new requirements requires careful analysis.

• Governance still lacking in various areas.

• For final operational capability, we will need to process large amounts of data quickly.