• **River and Ice Flood Product on Local AWIPS**

CICS-MD Scientist Mark Sannutti (STAR/CoRP/SCSB) was successful in getting (via CIMSS) the JPSS River and Ice Flood product into the CICS-MD/SCSB Satellite Proving Ground. The figure below gives some examples. The product, developed under the auspices of the JPSS PGRR program (the PI is Sanmei Li of George Mason University), is becoming widely used by NOAA River Forecast Centers. Our intention is to help provide this product to the National Water Center to support their “situational awareness” activities. Future products to be brought in include the SMOPS soil moisture and the CMORPH precipitation.

*Importance:* Satellite hydrological products are critical to fulfill NOAA's mission goal of a Weather Ready Nation. *POC:* R. Ferraro/S. Rudlosky/M. Sannutti
• **Climate Indicators and Metadata Representation:**
  
  CICS-MD Scientist Melissa Kenney has a new article accepted based on her CICS-MD task with the NOAA Climate Program Office (CPO). The peer-reviewed paper, "Exploring Visual Representations to Support Data Re-Use for Interdisciplinary Science", was submitted for publication at 2018 Annual Meeting of The Association for Information Science & Technology. (Peer-reviewed conference papers are the standard form of dissemination in certain fields such as information studies.) The article showed a mock-up example using metadata (below) based on the U.S. Global Change Research Program Climate Indicator for the Annual Greenhouse Gases Index. It shows the indicator’s data visualization on the left and the “pop-up” metadata on the right.


The article concludes that

- Metadata is important for indicator credibility and links into the GCIS is insufficient for accessible metadata;
- Adopting an approach that provides a web-based pop-up similar (only minor modifications) to graphics in the NCA3 can provide the information needed for someone to address the majority of their metadata questions; and
- Experts in an indicator or dataset have more specialized needs as compared to scientists assessing an indicator that is not their own particular specialty. The metadata needs for non-specialist multidisciplinary scientists were surprisingly consistent, making effective indicator metadata pop-up representations relatively straightforward.

Wiggins, Andrea, **Melissa Kenney** and Alyson Young, 2018: Exploring Visual Representations to Support Data Re-Use for Interdisciplinary Science, 2018 Annual Meeting of the Association for Information Science & Technology, [https://www.asist.org/am18/accepted-papers-panels/](https://www.asist.org/am18/accepted-papers-panels/).

**Importance:** Data discovery and re-use remain challenging, particularly for interdisciplinary research, but visual representations of data may have potential to better support these tasks than text-only metadata records. **POC:** M. Kenney
Fisheries Monitoring Workgroup (FMW) Workshop:

Christopher Brown and Alan Lewitus (NOS/Competitive Research Program, CRP) convened and lead the Fisheries Monitoring Workgroup (FMW) at the NOAA/Northern Gulf Institute in Stennis Space Center, MS on May 15-17, 2018. The FMW is one of eight workgroups of the Cooperative Hypoxia Assessment and Monitoring Program (CHAMP). The purpose of the workshop was to (1) bring together the Principal Investigators (PIs) of three research projects funded by the Northern Gulf of Mexico Ecosystems and Hypoxia Assessment (NGOMEX) Program and Management Committees to share information & progress, (2) facilitate dialog between PIs and Management Committees to ensure project research is informed by management guidance, and (3) advance monitoring capacity in the Gulf to enable scientists to better understand the impact of hypoxia on fish biology and fisheries stocks. Chris is co-lead of the FWM as part of his detail at NOS/CRP. Goals of the FMW are to 1) integrate fisheries surveys into CHAMP by leveraging and expanding upon current monitoring activities and compiling available data, and 2) serve as a management advisory group for NGOMEX projects to help ensure the effectiveness of project tools and outputs towards fisheries management applications.

The photo above shows the attendees of the Cooperative Hypoxia Assessment and Monitoring Program’s (CHAMP) Fisheries Monitoring Workgroup (FMW) Workshop held 15-17 May 2018 at the Mississippi State University Science & Technology Center in Stennis Space Center, MS.

Importance: Supports the NOAA mission to conserve and manage coastal and marine ecosystems and resources. POC: C. Brown