SYNERGISTIC EFFECTS OF CDMS AND KUS

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https://nptfisheries.shinyapps.io/kus-data/
KUS: ORIGINAL PURPOSE

- Enhance data access for internal staff
- Provide summarized data access to the general public
- Generate and provide tools not available via the CDMS
- Work with internal staff to continue to build and expand the utility of the tools provided
CDMS AND KUS: S/W

CDMS Strengths
- Data entry and import
- Data QA/QC and editing
- Data query and export

CDMS Weaknesses
- Data access limitations
- No Visualization
- Minimal Customization

Kus Strengths
- Data Query and Export
  - CDMS, P4, and FINS data
  - Data Visualization, interactive
  - Custom Queries and Reports

Kus Weaknesses
- No Data storage
- No Data editing
MAKING THE CONNECTION

• CDMS Services: C# services endpoint creation
• CDMS Configuration: new connection string
• R: Script cdmsR function to hit endpoint and provide arguments
• R: Build Shiny application to provide access to data and summaries.
• Automate: Update Kus data, deploy application, nightly.
• Ongoing: increase efficiency, generate new tools.

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QUESTIONS?

- Kus: https://nptfisheries.shinyapps.io/kus-data/
- R package cdmsR: https://github.com/ryankinzer/cdmsR
- R package cuyem: https://github.com/ryankinzer/cuyem