

SYNERGISTIC EFFECTS OF CDMS AND KUS

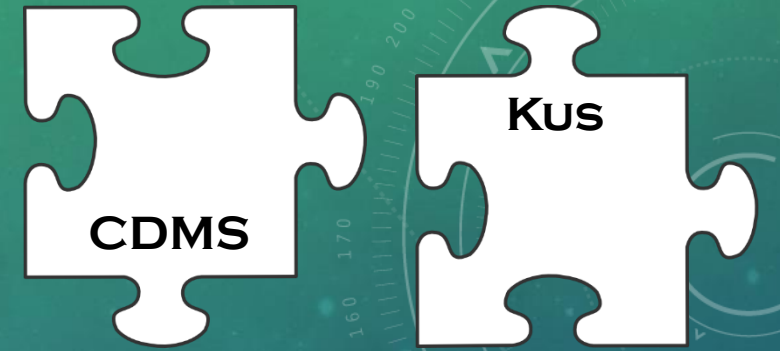
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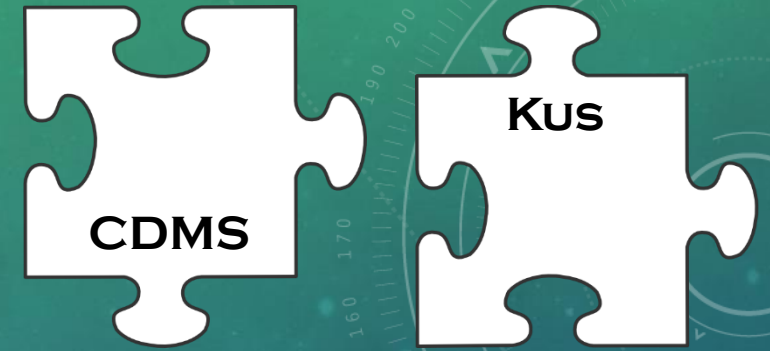
<https://nptfisheries.shinyapps.io/kus-data/>

KUS: ORIGINAL PURPOSE



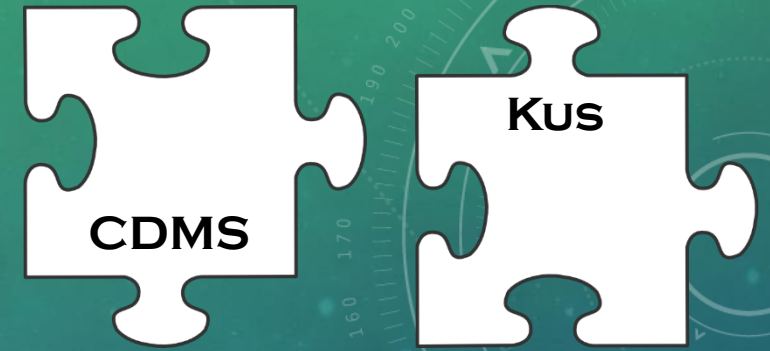
- Enhance data access for internal staff
- Provide summarized data access to the general public
- Generate and provide tools not available via the CDMS
- Work with internal staff to continue to build and expand the utility of the tools provided

CDMS AND KUS: S/W



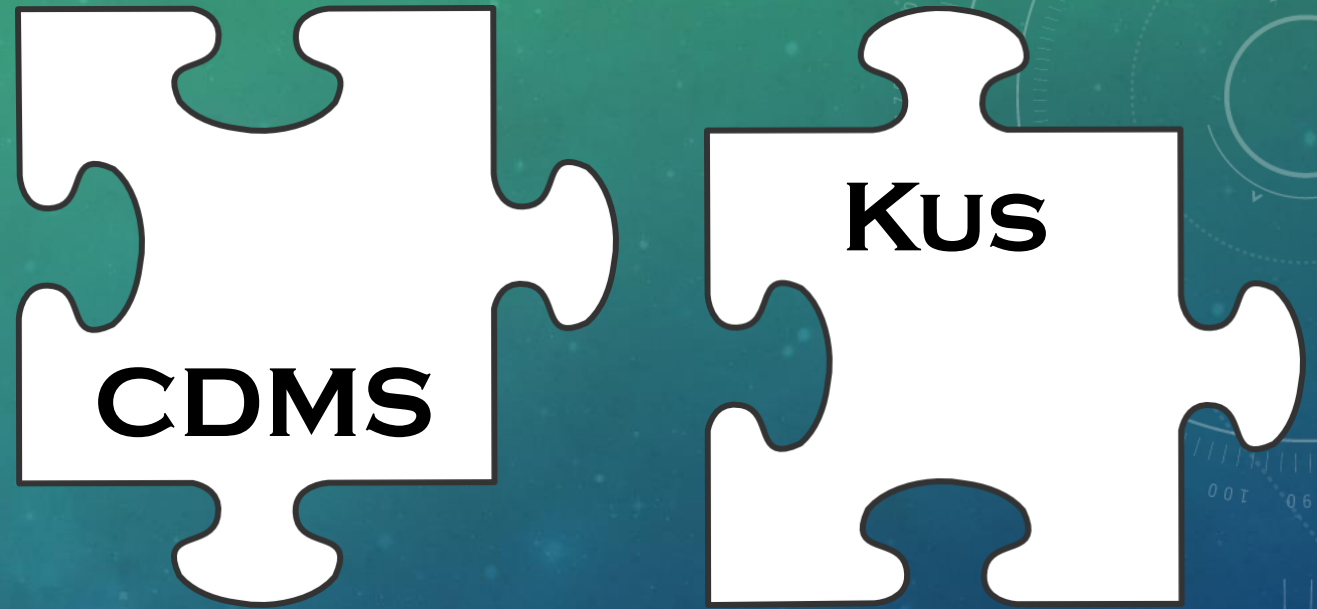
- CDMS Strengths
 - Data entry and import
 - Data QA/QC and editing
 - Data query and export
- CDMS Weaknesses
 - Data access limitations
 - No Visualization
 - Minimal Customization
- Kus Strengths
 - Data Query and Export
 - CDMS, P4, and FINS data
 - Data Visualization, interactive
 - Custom Queries 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.

QUESTIONS?



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