

## CDMS 2.0 Updates

- Upgraded AngularJS (and related libraries) to latest versions (security, performance, stability)
  - Many changes required in order to work again (modals, uploads, tabs, datepicker)
- Implemented new ag-grid “GridService” used on all data entry/edit/import grids
  - Created Cell Validators and Editors for all CDMS types
    - Date, DateTime, Time, Multiselect, Select, Number, Text
    - Easy to add new editors and validators
  - Improved grid validation (multiple validations possible)
  - Improved in-grid error display
  - Rewrote duplicate checking for new grid + Config-defined keys
- Rewrote data entry/edit pages to use GridService/ag-grid
  - Consolidated the two pages into one
  - Moved hard-coded “Activity Fields” into regular dataset fields for all datasets
    - This removed much hard-coding and greatly simplified the design
- Rewrote import to use GridService/ag-grid
  - Single activity import hands-off to data edit page
  - Multiple activity import design improvements; handled via modal
- Activity List page
  - Fields displayed now can be controlled in dataset Config
- Projects
  - Refactored project query to be much faster
  - Edit projects now uses MetaFields – can be added on the fly via admin
  - Add/edit project now works correctly
- Core System improvements
  - Removed “Field Category” concept
  - Moved FieldRoleId from DatasetField to Field
  - Added LocationTypeId to Datastore, removed hardcoding
  - Refactored “special” Activity fields to be system fields in datasets
    - Created new field definitions and used in all grids
  - Duplicate checking fields now configurable in dataset Config
  - Added default Config to datastore
  - Added Config UI for datasets, no more JSON editing!
  - Refactored Admin Fields to use grid
- New Features
  - PossibleValues can be populated for any field from a query
  - Lookup Tables concept and UI implemented (new tab)
    - Hardcoded lists converted to lookup tables that users can manage
    - Instruments, Fishermen, Seasons, etc. now managed here
  - Manage Locations user interface
  - Manage MetaFields (“metadata”) user interface
- Other things
  - Moved Habitat Sites and Correspondence to datasets instead of special tabs
  - Created landing page of “my datasets” and “my projects”

- Rewrote Appraisals to use ag-grid/GridService
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