

## Tasks-hierarchical

| #    | Tracker | Subject                                                                       | Status | Priority | Assignee       | Target version           |
|------|---------|-------------------------------------------------------------------------------|--------|----------|----------------|--------------------------|
| 6079 | Feature | Support JSON or XML output from emlparger                                     | New    | Normal   | ben leinfelder | EMLPARSER_2_1_1_UPDATE_3 |
| 6040 | Task    | Metacat-index does not handle <references>                                    | New    | High     | Jing Tao       | 2.3.0                    |
| 5371 | Bug     | AnnotationManager: query performance                                          | New    | Normal   | ben leinfelder | metacat-plugin-0.9.0     |
| 5368 | Bug     | Compound query conditions                                                     | New    | Normal   | ben leinfelder | metacat-plugin-0.9.0     |
| 5367 | Bug     | Verify "same observation as" query criteria                                   | New    | Normal   | ben leinfelder | metacat-plugin-0.9.0     |
| 5366 | Bug     | Integrate semantic query with keyword and spatial query                       | New    | Normal   | ben leinfelder | metacat-plugin-0.9.0     |
| 5365 | Bug     | Context-based semantic query                                                  | New    | Normal   | ben leinfelder | metacat-plugin-0.9.0     |
| 5374 | Bug     | Use 'semquery' within Morpho                                                  | New    | Normal   | ben leinfelder | morpho-plugin-0.9.0      |
| 5135 | Bug     | Loading ontology from local file does not seem functional                     | New    | Normal   | ben leinfelder | morpho-plugin-0.9.0      |
| 5078 | Bug     | Measurement templates                                                         | New    | Normal   | ben leinfelder | morpho-plugin-0.9.0      |
| 4946 | Bug     | Look-ahead search freezes                                                     | New    | Normal   | ben leinfelder | morpho-plugin-0.9.0      |
| 4935 | Bug     | Lazily load semtools plugin                                                   | New    | Normal   | ben leinfelder | morpho-plugin-0.9.0      |
| 4856 | Bug     | Ontology Browser as a non-modal palette                                       | New    | Normal   | ben leinfelder | morpho-plugin-0.9.0      |
| 4855 | Bug     | Reorder the Full Annotation rows to match madlib order                        | New    | Normal   | ben leinfelder | morpho-plugin-0.9.0      |
| 4854 | Bug     | Integrate Context Annotation tab with Column Annotation tab                   | New    | Normal   | ben leinfelder | morpho-plugin-0.9.0      |
| 4772 | Bug     | Annotation cell selection also selects data table cell                        | New    | Normal   | ben leinfelder | morpho-plugin-0.9.0      |
| 4771 | Bug     | Decide permission policy for Annotations and Ontologies in Metacat            | New    | Normal   | ben leinfelder | morpho-plugin-0.9.0      |
| 4770 | Bug     | Load Annotations from Metacat in Annotation plugin                            | New    | Normal   | ben leinfelder | morpho-plugin-0.9.0      |
| 4769 | Bug     | Save annotations to network                                                   | New    | Normal   | ben leinfelder | morpho-plugin-0.9.0      |
| 4724 | Bug     | Mark data package as changed when Annotation is edited                        | New    | Normal   | ben leinfelder | morpho-plugin-0.9.0      |
| 6267 | Task    | Filter on Person                                                              | New    | Normal   |                | metacat-plugin-1.0.0     |
| 6266 | Task    | Filter on Characteristic                                                      | New    | Normal   |                | metacat-plugin-1.0.0     |
| 6255 | Story   | Design/implement semantic search UI                                           | New    | Normal   |                | metacat-plugin-1.0.0     |
| 5004 | Bug     | oboe: create an oboe-examples ontology for documenting "best practices"       | New    | Normal   | Shawn Bowers   | oboe-1.1.0               |
| 5003 | Bug     | oboe: develop a high-level "getting started" guide / documentation            | New    | Normal   | Shawn Bowers   | oboe-1.1.0               |
| 5002 | Bug     | oboe-unit: create new oboe-unit for oboe-core                                 | New    | Normal   | Shawn Bowers   | oboe-1.1.0               |
| 5001 | Bug     | oboe-core: ensure new characteristic structure still supports unit conversion | New    | Normal   | Shawn Bowers   | oboe-1.1.0               |
| 5373 | Bug     | OntologyManager: registration and archiving                                   | New    | Normal   | ben leinfelder | sms-core-1.0.0           |
| 4675 | Bug     | EML:DataTable:Annotation cardinality                                          | New    | Normal   | ben leinfelder | sms-core-1.0.0           |
| 6345 | Task    | Integrate Domeo annotator (perhaps)                                           | New    | Normal   |                | sms-core-1.0.0           |
| 6269 | Task    | Integrate SemantEco Annotator from RPI                                        | New    | Normal   |                | sms-core-1.0.0           |

| #    | Tracker | Subject                                                                                                                                            | Status      | Priority | Assignee        | Target version  |
|------|---------|----------------------------------------------------------------------------------------------------------------------------------------------------|-------------|----------|-----------------|-----------------|
| 6268 | Task    | Annotation in REML package                                                                                                                         | New         | Normal   |                 | sms-core-1.0.0  |
| 6264 | Task    | Define message types for all APIs                                                                                                                  | New         | Normal   |                 | sms-core-1.0.0  |
| 6263 | Task    | Define APIs for all component interfaces                                                                                                           | New         | Normal   |                 | sms-core-1.0.0  |
| 6262 | Task    | System component collaboration diagrams                                                                                                            | New         | Normal   |                 | sms-core-1.0.0  |
| 6261 | Task    | Lifecycle design diagram                                                                                                                           | New         | Normal   |                 | sms-core-1.0.0  |
| 6260 | Task    | Review annotation model with partners                                                                                                              | New         | Normal   |                 | sms-core-1.0.0  |
| 6259 | Task    | Specify Annotation serialization format[s]                                                                                                         | New         | Normal   |                 | sms-core-1.0.0  |
| 6258 | Task    | Create annotation specification (RDFS?)                                                                                                            | New         | Normal   |                 | sms-core-1.0.0  |
| 6257 | Task    | Annotation model diagrams                                                                                                                          | In Progress | Normal   |                 | sms-core-1.0.0  |
| 6256 | Story   | Design/implement annotation generation system                                                                                                      | New         | Normal   |                 | sms-core-1.0.0  |
| 6252 | Story   | Design/implement storage system                                                                                                                    | New         | Normal   |                 | sms-core-1.0.0  |
| 6251 | Story   | Design whole-system semantic architecture                                                                                                          | New         | Normal   |                 | sms-core-1.0.0  |
| 6250 | Story   | Create domain ontology (measurement types)                                                                                                         | New         | Normal   |                 | sms-core-1.0.0  |
| 6249 | Story   | Define annotation model                                                                                                                            | New         | Normal   |                 | sms-core-1.0.0  |
| 5376 | Bug     | Create JUnit tests for semantic query capabilities                                                                                                 | New         | Normal   | ben leinfelder  | sms-index-1.0.0 |
| 6265 | Task    | Choose query language                                                                                                                              | New         | Normal   |                 | sms-index-1.0.0 |
| 6254 | Story   | Design/implement semantic query service and syntax                                                                                                 | In Progress | Normal   |                 | sms-index-1.0.0 |
| 6253 | Story   | Design/implement semantic indexing system                                                                                                          | In Progress | Normal   | ben leinfelder  | sms-index-1.0.0 |
| 5830 | Bug     | Deployment directory incorrect                                                                                                                     | New         | Normal   | ben leinfelder  | 2.x.y           |
| 5821 | Bug     | Allow certificate-based Metacat administration                                                                                                     | New         | Normal   | ben leinfelder  | 2.x.y           |
| 5547 | Bug     | Couldn't get the Register Data Form after login under Register Data tab on Sanparks skin                                                           | New         | Normal   | Jing Tao        | 2.x.y           |
| 5522 | Bug     | download linked KNB data and convert links in EML to ORE packages                                                                                  | New         | Normal   | ben leinfelder  | 2.x.y           |
| 5518 | Bug     | Track down the performance issue of metacat query.                                                                                                 | In Progress | Normal   | ben leinfelder  | 2.x.y           |
| 5294 | Bug     | Enable Junit test on <a href="http://dev-testing.dataone.org:8080/hudson/job/Metacat/">http://dev-testing.dataone.org:8080/hudson/job/Metacat/</a> | New         | Normal   | Jing Tao        | 2.x.y           |
| 5262 | Bug     | EML document owner can't read the document                                                                                                         | New         | Normal   | ben leinfelder  | 2.x.y           |
| 5199 | Bug     | OAI-PMH: Improve memory management of data provider catalog metadata                                                                               | New         | Normal   | Chad Berkley    | 2.x.y           |
| 5198 | Bug     | OAI-PMH: Data provider may fail to trigger reharvest of documents                                                                                  | New         | Normal   | Chad Berkley    | 2.x.y           |
| 5007 | Bug     | ESA registry: Logout link appears even when not logged in                                                                                          | New         | Normal   | Shaun Walbridge | 2.x.y           |
| 4602 | Bug     | Enable TLS for all LDAP functions                                                                                                                  | New         | Normal   | ben leinfelder  | 2.x.y           |
| 4573 | Bug     | LDAP and Register CGIs reference skin-specific templates in the common area                                                                        | New         | Normal   | Chris Jones     | 2.x.y           |
| 4551 | Bug     | performance enhancement through index reduction                                                                                                    | In Progress | Normal   | Jing Tao        | 2.x.y           |
| 4442 | Bug     | Spatial indexing should not run and block metacat                                                                                                  | New         | Normal   | ben leinfelder  | 2.x.y           |
| 4044 | Bug     | start time replication command doesn't work on replControl.html of dev skin                                                                        | New         | Normal   | Chad Berkley    | 2.x.y           |

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|------|---------|----------------------------------------------------------------------------------------------------------------|-------------|-----------|-----------------|----------------|
| 3835 | Bug     | design and implement OAI-PMH compliant harvest subsystem                                                       | In Progress | Immediate | Duane Costa     | 2.x.y          |
| 3509 | Bug     | Fix XML Schema filesystem namespace conflicts and backups                                                      | New         | Normal    | ben leinfelder  | 2.x.y          |
| 3412 | Bug     | Kml file needs work- data set points icon and points "splitting" when clicked on                               | New         | Normal    | Jing Tao        | 2.x.y          |
| 3402 | Bug     | internal dtDs are not handled                                                                                  | In Progress | Immediate | ben leinfelder  | 2.x.y          |
| 3396 | Bug     | Enable event notification feature                                                                              | In Progress | Immediate | Chris Jones     | 2.x.y          |
| 3383 | Bug     | Create RPM/Deb installation utilities                                                                          | In Progress | Normal    | ben leinfelder  | 2.x.y          |
| 3024 | Bug     | recordDelimiter and fieldDelimiter display the unicode number on KNB                                           | New         | Normal    | Chris Barteau   | 2.x.y          |
| 2986 | Bug     | No need for restart tomcat after modifying metacat.properties                                                  | New         | Normal    | Jing Tao        | 2.x.y          |
| 2849 | Bug     | Bounding box problems when spanning the meridian                                                               | New         | Normal    | Chris Barteau   | 2.x.y          |
| 2734 | Bug     | Duplicates between organizations and more than one organization listed as a owner                              | New         | Normal    | Chris Barteau   | 2.x.y          |
| 2501 | Bug     | Add links to FGDC-transformed version of EML documents                                                         | New         | Normal    | Will Tyburczy   | 2.x.y          |
| 2313 | Bug     | Metacat Skins: Skins should not be installed by default                                                        | New         | Normal    | Chris Jones     | 2.x.y          |
| 2229 | Bug     | Allowing web registry pull-down menu for "Station Name" to select multiple stations                            | New         | Normal    | Saurabh Garg    | 2.x.y          |
| 2228 | Bug     | Use method other than metadata string filters for determining the organizations affiliated with a data package | New         | Normal    | Chris Barteau   | 2.x.y          |
| 2187 | Bug     | Option to view map or metadata.                                                                                | New         | Normal    | Matthew Perry   | 2.x.y          |
| 2180 | Bug     | Make it easier for admin to add new layers                                                                     | In Progress | Normal    | ben leinfelder  | 2.x.y          |
| 2176 | Bug     | Moderator UI and functionality for ESA                                                                         | New         | Normal    | Saurabh Garg    | 2.x.y          |
| 2159 | Bug     | Metacat Performance: Divide xml_nodes based on the doctype                                                     | New         | Normal    | Jing Tao        | 2.x.y          |
| 2130 | Bug     | Not able to delete DPs from KNB                                                                                | New         | Normal    | ben leinfelder  | 2.x.y          |
| 1542 | Bug     | SQL Server support broken                                                                                      | New         | Immediate | Saurabh Garg    | 2.x.y          |
| 1452 | Bug     | dtd filenames clash if reused for multiple PUBLIC identifiers                                                  | In Progress | Normal    | Matt Jones      | 2.x.y          |
| 1300 | Bug     | Changes in DataSet Orignator                                                                                   | New         | Normal    | Saurabh Garg    | 2.x.y          |
| 1299 | Bug     | Registry: NCEAS: Changes in project list box                                                                   | New         | Normal    | Saurabh Garg    | 2.x.y          |
| 1297 | Bug     | Registry: Changes in the Basic Information                                                                     | New         | Normal    | Saurabh Garg    | 2.x.y          |
| 1213 | Bug     | emlbeta6 to eml2 conversion stylesheets should be relocatable                                                  | In Progress | Normal    | Saurabh Garg    | 2.x.y          |
| 1123 | Bug     | The DOM tree in EML parser probably cause memory issue                                                         | In Progress | Normal    | Jing Tao        | 2.x.y          |
| 1122 | Bug     | XML document is a string in HttpServerletRequest object                                                        | In Progress | Normal    | Jing Tao        | 2.x.y          |
| 421  | Bug     | create simple turnkey installer for metacat Phase II                                                           | In Progress | Immediate | Michael Daigle  | 2.x.y          |
| 6416 | Feature | Do not allow restrictive access control change to content with a DOI                                           | In Progress | Normal    | ben leinfelder  | 2.x.y          |
| 6362 | Feature | Add an id to the year element in the citation in eml-identifier.xsl                                            | New         | Normal    |                 | 2.x.y          |
| 6034 | Feature | Simplify configuration for certificate delegation                                                              | New         | Normal    | ben leinfelder  | 2.x.y          |
| 5989 | Feature | Track data download, view and citation statistics                                                              | In Progress | Normal    | Peter Slaughter | 2.x.y          |

| #    | Tracker | Subject                                                                                  | Status      | Priority | Assignee        | Target version |
|------|---------|------------------------------------------------------------------------------------------|-------------|----------|-----------------|----------------|
| 5994 | Task    | Create REST API for accessing statistics                                                 | New         | Normal   |                 | 2.x.y          |
| 5993 | Task    | Summarize and index statistics for fast access                                           | New         | Normal   |                 | 2.x.y          |
| 5992 | Task    | Track citations                                                                          | New         | Normal   |                 | 2.x.y          |
| 5991 | Task    | Track views                                                                              | New         | Normal   |                 | 2.x.y          |
| 5990 | Task    | Track downloads                                                                          | New         | Normal   |                 | 2.x.y          |
| 6437 | Story   | Upgrade to SOLR 4 or 5                                                                   | New         | Normal   | Jing Tao        | 2.x.y          |
| 5836 | Bug     | Logs                                                                                     | New         | Normal   | ben leinfelder  | Unspecified    |
| 5835 | Bug     | Leaks                                                                                    | New         | Normal   | ben leinfelder  | Unspecified    |
| 5828 | Bug     | docids not validated                                                                     | New         | Normal   | ben leinfelder  | Unspecified    |
| 5698 | Bug     | datapackage uploads to dev2 metacat are currently slow                                   | New         | Normal   | Jing Tao        | Unspecified    |
| 5608 | Bug     | Enable all FK constraints in Metacat production [copies]                                 | New         | Normal   | ben leinfelder  | Unspecified    |
| 5599 | Bug     | absence of line feeds in eml causes pathQuery to not find some elements                  | New         | Normal   | ben leinfelder  | Unspecified    |
| 5553 | Bug     | setaccess action may have deleting access rule functionality                             | New         | Normal   | ben leinfelder  | Unspecified    |
| 5548 | Bug     | Replace COS Mime multipart library                                                       | New         | Normal   | ben leinfelder  | Unspecified    |
| 5535 | Bug     | The 611 CDR documents replicated to KNB need to be repaired by fixing their inline data. | New         | Normal   | ben leinfelder  | Unspecified    |
| 5239 | Bug     | Difficulties configuring and viewing Metacat replication log file                        | New         | Normal   | Chad Berkley    | Unspecified    |
| 5224 | Bug     | Scheduler part of SanParks skin needs to be updated                                      | New         | Normal   | Chad Berkley    | Unspecified    |
| 4892 | Bug     | ESA registry shouldn't allow accepted docs to be modified                                | New         | Normal   | Shaun Walbridge | Unspecified    |
| 4843 | Bug     | ESA registry: Remove 'station' default value from Organization Name                      | New         | Normal   | Shaun Walbridge | Unspecified    |
| 4840 | Bug     | When registering, U.S. State/Territory of owner is also applied to contact               | New         | Normal   | Shaun Walbridge | Unspecified    |
| 4676 | Bug     | registry did not let me see my data table, although permissions are set                  | New         | Normal   | Shaun Walbridge | Unspecified    |
| 4611 | Bug     | searching for soong_test seems to return entries with "soong test" as well as soong_test | New         | Normal   | Michael Daigle  | Unspecified    |
| 4610 | Bug     | trying to register a dataset when logged in asks for another authentication              | New         | Low      | Michael Daigle  | Unspecified    |
| 4609 | Bug     | when viewed with saved credentials, KNB homepage shows blank entries                     | New         | Low      | Michael Daigle  | Unspecified    |
| 4437 | Bug     | allow-public-read rule is not being honored                                              | New         | Normal   | ben leinfelder  | Unspecified    |
| 4368 | Bug     | The response page is confusing after calling "buildindex" command                        | New         | Normal   | Michael Daigle  | Unspecified    |
| 4301 | Bug     | sessionid in the URL creates end-user difficulty                                         | New         | Normal   | Michael Daigle  | Unspecified    |
| 4283 | Bug     | use HTMLUnit to do unit / integration tests on pages                                     | New         | Normal   | Michael Daigle  | Unspecified    |
| 4245 | Bug     | Harvester command line scripts don't execute                                             | In Progress | Normal   | Duane Costa     | Unspecified    |
| 4243 | Bug     | Harvester db errors due to fixed character length overflow                               | In Progress | Normal   | Duane Costa     | Unspecified    |
| 4023 | Bug     | In sanparks skin, Geographic Description Required                                        | New         | Normal   | Michael Daigle  | Unspecified    |
| 3920 | Bug     | ldapweb should use the correct location for 'organization' properties                    | New         | Normal   | Michael Daigle  | Unspecified    |
| 3830 | Bug     | Add the ability to modify multi-line properties                                          | New         | Normal   | Michael Daigle  | Unspecified    |

| #    | Tracker | Subject                                                                              | Status      | Priority  | Assignee       | Target version |
|------|---------|--------------------------------------------------------------------------------------|-------------|-----------|----------------|----------------|
| 3783 | Bug     | Optimize ESA moderator queries                                                       | New         | Normal    | Michael Daigle | Unspecified    |
| 3773 | Bug     | Remove places where document is read into memory                                     | New         | Normal    | Michael Daigle | Unspecified    |
| 3765 | Bug     | Backup configured passwords as encrypted values                                      | New         | Normal    | Michael Daigle | Unspecified    |
| 3755 | Bug     | Change property service to return null for blank properties                          | New         | Normal    | Michael Daigle | Unspecified    |
| 3742 | Bug     | Improve UI for selecting projects for NCEAS skin                                     | New         | Normal    | Michael Daigle | Unspecified    |
| 3730 | Bug     | Implement an isRequired field in the configuration metadata                          | New         | Normal    | Michael Daigle | Unspecified    |
| 3710 | Bug     | apt-get couldn't install metacat                                                     | New         | Normal    | Michael Daigle | Unspecified    |
| 3619 | Bug     | Convert eml beta4 and beta6 documents to eml 210 in knb production server            | New         | Normal    | Jing Tao       | Unspecified    |
| 3592 | Bug     | Update sitemap generation and registration                                           | New         | Normal    | Michael Daigle | Unspecified    |
| 3524 | Bug     | Refactor common test methods into base class                                         | New         | Normal    | Michael Daigle | Unspecified    |
| 3511 | Bug     | combine XMLSchemaService and SchemaLocationResolver                                  | New         | Normal    | Michael Daigle | Unspecified    |
| 3463 | Bug     | Registry upload: include organization/skin Keywords dropdown                         | New         | Normal    | ben leinfelder | Unspecified    |
| 3460 | Bug     | remove lsid section from citation section of xsl for skins OTHER than ESA            | New         | Normal    | Jing Tao       | Unspecified    |
| 3435 | Bug     | Confusion on how Metcat searches a string which is different than Google             | New         | Normal    | Jing Tao       | Unspecified    |
| 3416 | Bug     | ArrayIndexOutOfBoundsException in DBConnectionPool                                   | New         | Normal    | Jing Tao       | Unspecified    |
| 3390 | Bug     | Data Catalog Map and IE 7.0.5730.11 brings up pop up windows that can be a problem   | New         | Normal    | Jing Tao       | Unspecified    |
| 3367 | Bug     | Harvester stores passwords in clear text                                             | New         | Immediate | Duane Costa    | Unspecified    |
| 3360 | Bug     | Many LDAP users not showing up in 'getprincipals' search                             | In Progress | Normal    | Jing Tao       | Unspecified    |
| 3331 | Bug     | ldap redirect does not work correctly if one of the ldap servers are down            | New         | Normal    | Jing Tao       | Unspecified    |
| 3272 | Bug     | Add Keywords for SANParks and SAEON when uploading spatial data                      | New         | Normal    | ben leinfelder | Unspecified    |
| 3224 | Bug     | Perl code should rely on canonical organization list provided by Metacat             | New         | Normal    | Michael Daigle | Unspecified    |
| 3217 | Bug     | Create simple transformations to present permissions error messages in styled format | New         | Normal    | Jing Tao       | Unspecified    |
| 3175 | Bug     | Add a thread to build xml_queryresult table when metacat startup                     | New         | Normal    | Jing Tao       | Unspecified    |
| 3142 | Bug     | metacat client uses in-memory buffer for posting data                                | New         | Immediate | Jing Tao       | Unspecified    |
| 3104 | Bug     | provide accessor for organization lists for clients to build login widgets           | New         | Normal    | Michael Daigle | Unspecified    |
| 3100 | Bug     | Transformation from xml to html in Metacat read action sometimes take long time      | New         | Normal    | Jing Tao       | Unspecified    |
| 2841 | Bug     | ESA Registry edit feature does not work with submitted data sets                     | In Progress | Normal    | Jing Tao       | Unspecified    |
| 2553 | Bug     | squery needs to handle spatial query                                                 | New         | Normal    | Michael Daigle | Unspecified    |
| 2548 | Bug     | Architecture for filtering features from WMS requests                                | New         | Normal    | Michael Daigle | Unspecified    |
| 2155 | Bug     | Metacat Performance: Rewrite the xml_nodes queries                                   | In Progress | Immediate | Jing Tao       | Unspecified    |
| 1879 | Bug     | Metacat Performance: Summary                                                         | New         | Immediate | Jing Tao       | Unspecified    |
| 6838 | Support | LTER user can't log in                                                               | In Progress | Normal    | ben leinfelder | Unspecified    |
| 5779 | Bug     | Owners list reorders its entries                                                     | In Progress | Normal    | ben leinfelder | 1.11.1         |

| #    | Tracker | Subject                                                                                                                                                 | Status      | Priority  | Assignee         | Target version |
|------|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------|------------------|----------------|
| 7229 | Bug     | Mis-Formatting of Data Package Contents                                                                                                                 | New         | Normal    | ben leinfelder   | 2.9.0          |
| 7228 | Bug     | Error in sorting data-sets based on title in MetaCatUI                                                                                                  | New         | Normal    | Jing Tao         | 2.9.0          |
| 7226 | Bug     | Perl Registry hangs on uploads                                                                                                                          | New         | Normal    | Jing Tao         | 2.9.0          |
| 7224 | Bug     | Document the procedure of registering a new schema in Metacat                                                                                           | New         | Normal    | Jing Tao         | 2.9.0          |
| 7217 | Bug     | Report on metadata creation date in metadata quality summaries                                                                                          | New         | Normal    | Peter Slaughter  | 2.9.0          |
| 7216 | Bug     | MDQClient.saveRun doesn't obsolete existing quality documents                                                                                           | New         | Normal    | Peter Slaughter  | 2.9.0          |
| 7212 | Bug     | metacat-index missing metadata quality fields                                                                                                           | New         | Normal    | Peter Slaughter  | 2.9.0          |
| 7203 | Bug     | Improve D1NodeService.isAuthorized() performance                                                                                                        | In Progress | Normal    | Chris Jones      | 2.9.0          |
| 7199 | Bug     | Upgrade postgresql jdbc jar file on Metacat                                                                                                             | New         | Normal    | Jing Tao         | 2.9.0          |
| 7170 | Bug     | Ignore the access part change in the EML sax parser classes when users use dataone api to update an eml object                                          | New         | Normal    | Jing Tao         | 2.9.0          |
| 7150 | Bug     | Do not populate the "documents" Solr index field with a metadata object's own identifier                                                                | New         | Normal    | Jing Tao         | 2.9.0          |
| 7091 | Bug     | Metacat installation (the war file) doesn't include the FGDC schemas even though the loadtdschema file creates an entry in the xml_catalog table for it | New         | Normal    | Jing Tao         | 2.9.0          |
| 7099 | Feature | Create a new admin page for Metacat admins to register schemas                                                                                          | New         | Normal    | Jing Tao         | 2.9.0          |
| 7204 | Task    | Use the ldaps protocol to connect the ldap server                                                                                                       | New         | Normal    | Jing Tao         | 2.9.0          |
| 7202 | Task    | Add documentation to indicate and help users Metacat only runs under Java 1.8                                                                           | New         | Normal    | Jing Tao         | 2.9.0          |
| 7177 | Task    | Ensure Metacat runs on Tomcat 8                                                                                                                         | New         | Normal    | Jing Tao         | 2.9.0          |
| 7148 | Story   | Upgrade Solr Server                                                                                                                                     | New         | Normal    | Jing Tao         | 2.9.0          |
| 2072 | Bug     | XMLUtilities.print() prints whole document rather than the passed base node                                                                             | New         | Normal    | Matt Jones       | ---            |
| 324  | Bug     | perl implementation of harvester api                                                                                                                    | In Progress | Immediate | David Blankman   | ---            |
| 323  | Bug     | Establish API for communication with src and dest                                                                                                       | In Progress | Immediate | David Blankman   | ---            |
| 3037 | Bug     | bad links on metacatinstall page on the knb                                                                                                             | New         | Normal    | John Harris      | ---            |
| 3034 | Bug     | The KNB site uses two headers with different homepages                                                                                                  | New         | Normal    | John Harris      | ---            |
| 2899 | Bug     | broken link                                                                                                                                             | New         | Normal    | John Harris      | ---            |
| 1135 | Bug     | econetwork registry                                                                                                                                     | New         | Normal    | John Harris      | ---            |
| 1134 | Bug     | redesign the ecoinformatics.org website                                                                                                                 | New         | Normal    | John Harris      | ---            |
| 3938 | Bug     | simhofi workflow R actor problem                                                                                                                        | New         | Normal    | Derik Barseghian | ---            |
| 3839 | Bug     | improve aphidPanTrapVsGDD_BYDVstudy workflow                                                                                                            | New         | Normal    | Derik Barseghian | ---            |
| 3677 | Bug     | document Baskett field data and upload into OSU metacat                                                                                                 | New         | Normal    | Derik Barseghian | ---            |
| 3650 | Bug     | move MET station to McLaughlin and begin work on Engineering view                                                                                       | New         | Normal    | Derik Barseghian | ---            |
| 3564 | Bug     | calculate means, variances, and mean differences for each instance in time                                                                              | New         | Normal    | Daniel Crawl     | ---            |
| 3563 | Bug     | calculate differences between global means                                                                                                              | New         | Normal    | Daniel Crawl     | ---            |

| #    | Tracker | Subject                                                                                       | Status      | Priority  | Assignee         | Target version |
|------|---------|-----------------------------------------------------------------------------------------------|-------------|-----------|------------------|----------------|
| 3365 | Bug     | Example workflow pulling data from SensorBase at CENS using Webservice actor or DBQuery actor | New         | Normal    | Derik Barseghian | ---            |
| 3364 | Bug     | Complete PAR data acquisition workflow                                                        | New         | Normal    | Derik Barseghian | ---            |
| 2519 | Bug     | Tracking bug for upgrade of vegbank                                                           | In Progress | Normal    | Michael Lee      | 1.1.0          |
| 283  | Bug     | registration process scalability                                                              | In Progress | Normal    | Saurabh Garg     | 1.1.0          |
| 282  | Bug     | need update/delete handling for data registry                                                 | In Progress | Normal    | Saurabh Garg     | 1.1.0          |
| 6042 | Bug     | Cannot save/synchronize Morpho data package to the network                                    | New         | High      | ben leinfelder   | 1.10.0         |
| 5706 | Bug     | Menu bar font color in Ubuntu difficult to read                                               | New         | Normal    | ben leinfelder   | 1.10.0         |
| 4640 | Bug     | add prev/next buttons to 'Edit Column Documentation' dialog                                   | New         | Normal    | Jing Tao         | 1.10.0         |
| 4628 | Bug     | Testing version 1.7.1 beta: Morpho Tree Editor produces invalid documents                     | New         | Normal    | Saurabh Garg     | 1.10.0         |
| 4624 | Bug     | local/network status icons sometimes (inconsistently) incorrect                               | New         | Low       | Jing Tao         | 1.10.0         |
| 4542 | Bug     | Feature Request: Import / update metadata from MySQL database                                 | New         | Immediate | Jing Tao         | 1.10.0         |
| 4461 | Bug     | delete local copy only deletes the most recent stored revision, but this is not indicated     | New         | Normal    | Jing Tao         | 1.10.0         |
| 4460 | Bug     | morpho package listing can be confusing when out of sync                                      | New         | Normal    | Jing Tao         | 1.10.0         |
| 3476 | Bug     | Search Result Selection list elements change when selected                                    | New         | Normal    | Saurabh Garg     | 1.10.0         |
| 3475 | Bug     | Morpho data table search results do not display                                               | New         | Normal    | Jing Tao         | 1.10.0         |
| 2473 | Bug     | Morpho uses too much memory                                                                   | In Progress | Immediate | Jing Tao         | 1.10.0         |
| 2216 | Bug     | Custom units not assigned to unit type category properly                                      | New         | Normal    | Saurabh Garg     | 1.10.0         |
| 2209 | Bug     | Run the parser when a Save event is generated                                                 | New         | Normal    | Saurabh Garg     | 1.10.0         |
| 2199 | Bug     | Info in additionalMetadata tags not displayed when viewing data package                       | New         | Normal    | Saurabh Garg     | 1.10.0         |
| 2070 | Bug     | Problem with 'individualName' and 'distribution' fields in tree editor                        | New         | Normal    | Saurabh Garg     | 1.10.0         |
| 1983 | Bug     | allow morpho to detect online data and import it                                              | New         | Normal    | Saurabh Garg     | 1.10.0         |
| 1832 | Bug     | need "save as" functionality in morpho                                                        | In Progress | Normal    | ben leinfelder   | 1.10.0         |
| 1823 | Bug     | Morpho Editor and saving network data packages                                                | New         | Normal    | Saurabh Garg     | 1.10.0         |
| 1807 | Bug     | Stop/pause search feature request                                                             | New         | Normal    | Saurabh Garg     | 1.10.0         |
| 1702 | Bug     | spatial search is not saved                                                                   | New         | Immediate | Saurabh Garg     | 1.10.0         |
| 1667 | Bug     | Couldn't send data file to metacat using a download package                                   | New         | Normal    | Saurabh Garg     | 1.10.0         |
| 1582 | Bug     | No Error Msg displayed when network update of datapackage failed due to access control        | New         | Normal    | Saurabh Garg     | 1.10.0         |
| 1569 | Bug     | Local save doesnt work sometimes.                                                             | New         | Normal    | Saurabh Garg     | 1.10.0         |
| 1568 | Bug     | Certain dialogues in DPW lock up the help                                                     | New         | Normal    | Saurabh Garg     | 1.10.0         |
| 1559 | Bug     | Morpho 1.5.1 Help: 5 problems with search feature                                             | New         | Normal    | Saurabh Garg     | 1.10.0         |
| 1426 | Bug     | closing unsaved package does not close package                                                | In Progress | Immediate | Dan Higgins      | 1.10.0         |
| 1099 | Bug     | REOT feedback: ability to rename exported files                                               | In Progress | Normal    | Dan Higgins      | 1.10.0         |

| #    | Tracker | Subject                                                                                                | Status      | Priority  | Assignee       | Target version |
|------|---------|--------------------------------------------------------------------------------------------------------|-------------|-----------|----------------|----------------|
| 1052 | Bug     | Need to automatically extend data table size when pasting data                                         | In Progress | Normal    | Dan Higgins    | 1.10.0         |
| 458  | Bug     | Need to configure Morpho to accept stream-based result sets                                            | In Progress | Normal    | Dan Higgins    | 1.10.0         |
| 7147 | Bug     | KNB header image 'animates' to fill the space in Safari                                                | New         | Low       | Lauren Walker  | 1.14.0         |
| 7143 | Bug     | Cache the annotations on each page to avoid multiple calls to the accounts service for the same person | New         | Normal    | Lauren Walker  | 1.14.0         |
| 7159 | Story   | Add provenance editor to the Metadata View                                                             | New         | Normal    | Lauren Walker  | 1.14.0         |
| 2555 | Bug     | Update XSD to allow null dates                                                                         | New         | Normal    | Michael Lee    | 1.2.0          |
| 2547 | Bug     | NPS-PLOTS plugin doesn't handle userDefined well                                                       | New         | Normal    | Michael Lee    | 1.2.0          |
| 2543 | Bug     | Log errors into an email or something                                                                  | In Progress | Normal    | Michael Lee    | 1.2.0          |
| 2541 | Bug     | Rework export to use pages or filesystem to improve performance and remove timeouts                    | New         | Normal    | Michael Lee    | 1.2.0          |
| 2533 | Bug     | temp tables need to be part of denormalization update                                                  | New         | Normal    | Michael Lee    | 1.2.0          |
| 2487 | Bug     | NPS-PLOTS conversion utility: prefer exact slope/aspect                                                | New         | Normal    | Michael Lee    | 1.2.0          |
| 2457 | Bug     | Link to list of certified users, renew embargo screens                                                 | New         | Normal    | Michael Lee    | 1.2.0          |
| 2436 | Bug     | Evaluate: Map plots with one click from plot-result-set                                                | New         | Immediate | Robert Peet    | 1.2.0          |
| 2404 | Bug     | Evaluate: Let users define bounding box with Google Maps, then show plots in that area                 | New         | Normal    | Robert Peet    | 1.2.0          |
| 2402 | Bug     | Strategy to update denormalized data, cache, pages                                                     | New         | Normal    | Michael Lee    | 1.2.0          |
| 2394 | Bug     | Make Search by person easier: filter by plots submitted and plots contributed to                       | New         | Normal    | Michael Lee    | 1.2.0          |
| 2102 | Bug     | IN JULY: Load Real Concepts that have been a major part of this grant                                  | New         | Normal    | Michael Lee    | 1.2.0          |
| 1975 | Bug     | Iteratively query to narrow or broaden query results                                                   | New         | Low       | Michael Lee    | 1.2.0          |
| 1956 | Bug     | function to fuzz and unfuzz locations for admin                                                        | New         | Normal    | Michael Lee    | 1.2.0          |
| 1955 | Bug     | view my plots -- deposits, based on ownership + embargo chng                                           | New         | Normal    | Michael Lee    | 1.2.0          |
| 1352 | Bug     | choose which comms from commInterpretation - higher level obs summary                                  | New         | Normal    | Michael Lee    | 1.2.0          |
| 1022 | Bug     | Eval: Form to calculate summary of multiple plots                                                      | New         | Normal    | Robert Peet    | 1.2.0          |
| 890  | Bug     | Load database:Peet_NCVS-4000: add in Fall 2006                                                         | New         | Immediate | Michael Lee    | 1.2.0          |
| 878  | Bug     | PCord export                                                                                           | New         | Normal    | Michael Lee    | 1.2.0          |
| 817  | Bug     | Query for User-defined variables                                                                       | New         | Normal    | Michael Lee    | 1.2.0          |
| 704  | Bug     | doubleCheck final DB: QA of plants and communities                                                     | New         | Low       | Robert Peet    | 1.2.0          |
| 681  | Bug     | Website cleanup:Spelling and editing checks                                                            | New         | Normal    | Michael Lee    | 1.2.0          |
| 675  | Bug     | Evaluate Tutorial                                                                                      | New         | Normal    | Robert Peet    | 1.2.0          |
| 5118 | Bug     | export function error reporting                                                                        | New         | Normal    | ben leinfelder | 1.8.1          |
| 4332 | Bug     | new features in canceling search                                                                       | New         | Normal    | Jing Tao       | 1.8.1          |
| 4099 | Bug     | In map viewer, provide reset button for zoom and coordinates                                           | New         | Normal    | Jing Tao       | 1.8.1          |
| 3983 | Bug     | entering key-value pairs from a file is not user friendly                                              | New         | Normal    | Jing Tao       | 1.8.1          |



| #    | Tracker | Subject                                                                                      | Status      | Priority  | Assignee       | Target version |
|------|---------|----------------------------------------------------------------------------------------------|-------------|-----------|----------------|----------------|
| 3980 | Bug     | a user trying to synchronize an invalid package needs a user-friendly error message          | New         | Normal    | Jing Tao       | 1.8.1          |
| 3945 | Bug     | tree-editor does not allow editing of non-referenced material following a referenced creator | New         | Normal    | Jing Tao       | 1.8.1          |
| 3940 | Bug     | docid collisions, even if data packages have different scopes                                | New         | Normal    | Jing Tao       | 1.8.1          |
| 3937 | Bug     | Login results in misleading error message when KNB is down                                   | New         | Normal    | Jing Tao       | 1.8.1          |
| 3919 | Bug     | the 'tab' key should behave consistently when through form fields                            | New         | Normal    | Jing Tao       | 1.8.1          |
| 3852 | Bug     | feature request - include the userId element in responsibleParty dialog boxes                | New         | Normal    | Jing Tao       | 1.8.1          |
| 3759 | Bug     | more dialog boxes for editing and maintaining data packages                                  | New         | Normal    | Jing Tao       | 1.8.1          |
| 3551 | Bug     | same screen presented to user before and after importing a data table                        | New         | Normal    | P. Anderson    | 1.8.1          |
| 3111 | Bug     | Morpho can not display inline data                                                           | New         | Normal    | Jing Tao       | 1.8.1          |
| 2851 | Bug     | Templating support for attribute entries                                                     | New         | Normal    | ben leinfelder | 1.8.1          |
| 2489 | Bug     | The Predefined list does not display the values                                              | In Progress | Normal    | Jing Tao       | 1.8.1          |
| 2463 | Bug     | Morpho can't delete or insert columns at right edge of tables with uneven record lengths     | New         | Normal    | Jing Tao       | 1.8.1          |
| 2456 | Bug     | Error Window Sizing                                                                          | New         | Normal    | P. Anderson    | 1.8.1          |
| 2411 | Bug     | physical element of dataTable element should be optional                                     | New         | Normal    | ben leinfelder | 1.8.1          |
| 2095 | Bug     | AbstractDataPackage - entity array not initialized automatically                             | New         | Normal    | P. Anderson    | 1.8.1          |
| 1561 | Bug     | EML Attribute Page Editor doesn't handle some XML Schema attributes/elements correctly       | In Progress | Normal    | Saurabh Garg   | 1.8.1          |
| 5242 | Bug     | Spatial search uses 'pathquery' not 'spatial_query' action                                   | New         | Normal    | ben leinfelder | 1.9            |
| 5103 | Bug     | Wizard screen to edit data entity name                                                       | New         | Normal    | ben leinfelder | 1.9            |
| 5063 | Bug     | Morpho Data Package Editor degrades when Editing Data Table Access                           | New         | Normal    | ben leinfelder | 1.9            |
| 4733 | Bug     | Checking the permission of the user before he/she saves a data package to metacat            | New         | Normal    | Jing Tao       | 1.9            |
| 4703 | Bug     | Give user some notification when morpho finds nothing about thesaurus look up                | New         | Normal    | Jing Tao       | 1.9            |
| 4621 | Bug     | Allow sets of codes/definitions to be reused across data packages                            | New         | Normal    | Jing Tao       | 1.9            |
| 4416 | Bug     | 1.7.0 - Geographic Coverage Sites List Should Record Tool Type                               | New         | Normal    | Jing Tao       | 1.9            |
| 4098 | Bug     | Cancelling map viewer should reset zoom                                                      | New         | Normal    | Jing Tao       | 1.9            |
| 4096 | Bug     | Must click tab twice to display metadata for table without read access                       | New         | Normal    | Jing Tao       | 1.9            |
| 3979 | Bug     | File-> save has no response when a user tries to save an invalid doc                         | New         | Normal    | Jing Tao       | 1.9            |
| 3897 | Bug     | Controlled vocabulary for Taxonomic Coverage                                                 | New         | Normal    | ben leinfelder | 1.9            |
| 3872 | Bug     | opening a "previous version" and resaving locally wrote over the last most recent version    | New         | Normal    | Jing Tao       | 1.9            |
| 3458 | Bug     | Morpho will take long time to startup if the metacat host server is down                     | New         | Normal    | Jing Tao       | 1.9            |
| 3323 | Bug     | Morpho has problem to handle special characters.                                             | New         | Normal    | ben leinfelder | 1.9            |
| 3171 | Bug     | Morpho install in Vista does not create a viewable sterr.log file                            | New         | Normal    | ben leinfelder | 1.9            |
| 3065 | Bug     | Unable to save dp using Morpho with Remote Desktop                                           | New         | Normal    | Jing Tao       | 1.9            |
| 2980 | Bug     | pubDate is not created for citation use when a Morpho Dataset is submitted                   | New         | Immediate | Jing Tao       | 1.9            |

| #    | Tracker | Subject                                                                       | Status      | Priority  | Assignee       | Target version |
|------|---------|-------------------------------------------------------------------------------|-------------|-----------|----------------|----------------|
| 2855 | Bug     | Import MS Access feature has problems with read permission                    | New         | Normal    | P. Anderson    | 1.9            |
| 2563 | Bug     | Multiple repeated delimiter info not saved                                    | New         | Normal    | P. Anderson    | 1.9            |
| 2500 | Bug     | Tree Editor allows text in element-only elements                              | New         | Normal    | P. Anderson    | 1.9            |
| 2455 | Bug     | create table shouldn't have proprietary format as an option                   | New         | Normal    | P. Anderson    | 1.9            |
| 2213 | Bug     | "Show all" Morpho editor handles coverage incorrectly depending on order      | New         | Immediate | Saurabh Garg   | 1.9            |
| 2177 | Bug     | Local search does not search on data package ID                               | New         | Normal    | Saurabh Garg   | 1.9            |
| 2170 | Bug     | editor returns to different table than the one being edited after clicking ok | New         | Normal    | Saurabh Garg   | 1.9            |
| 2166 | Bug     | 1.6.0RC1: Saving to network when a previous version was deleted from network  | New         | Normal    | Saurabh Garg   | 1.9            |
| 2151 | Bug     | Morpho readability issue                                                      | New         | Normal    | Saurabh Garg   | 1.9            |
| 2093 | Bug     | Feature request: deleting saved searches                                      | New         | Normal    | Saurabh Garg   | 1.9            |
| 2053 | Bug     | "Open..." dialog repaint issues                                               | New         | Normal    | Saurabh Garg   | 1.9            |
| 2042 | Bug     | Failure when using dataTable, spatialRaster, and spatialVector in tree editor | In Progress | Immediate | Saurabh Garg   | 1.9            |
| 1993 | Bug     | Can't expand width of column in text import wizard                            | New         | Normal    | ben leinfelder | 1.9            |
| 1988 | Bug     | Re-visit terminology issues                                                   | New         | Normal    | Saurabh Garg   | 1.9            |
| 1985 | Bug     | add morpho support for LSID identifiers                                       | New         | Normal    | Saurabh Garg   | 1.9            |
| 1825 | Bug     | Typos/redundancies in Named Regions list of Geo. Coverage                     | New         | Normal    | Saurabh Garg   | 1.9            |
| 1817 | Bug     | Citation screen in DPW feature request                                        | New         | Normal    | Saurabh Garg   | 1.9            |
| 1791 | Bug     | need ability to add data types other than dataTable (spatial)                 | In Progress | Normal    | ben leinfelder | 1.9            |
| 1784 | Bug     | Place some information from user guide on Morpho download web page            | New         | Normal    | Saurabh Garg   | 1.9            |
| 1705 | Bug     | Message after "Export" should show dir nam                                    | New         | Normal    | ben leinfelder | 1.9            |
| 1672 | Bug     | Unable to edit online distribution url for multiple data objects              | New         | Normal    | Saurabh Garg   | 1.9            |
| 1669 | Bug     | Adding Project Information causes invalid eml 2 warning                       | New         | Normal    | Saurabh Garg   | 1.9            |
| 1657 | Bug     | Repeatable <online>, <inline> tags in tree editor                             | New         | Normal    | Saurabh Garg   | 1.9            |
| 1656 | Bug     | <para> should be repeatable in Morpho tree editor                             | New         | Normal    | Saurabh Garg   | 1.9            |
| 1600 | Bug     | Error in Geographic Page                                                      | New         | Normal    | Saurabh Garg   | 1.9            |
| 1593 | Bug     | Geographic Coverage Tool changes Types Entries                                | New         | Normal    | Saurabh Garg   | 1.9            |
| 1558 | Bug     | Morpho 1.5.1 Help: 6 general problems/suggestions                             | New         | Normal    | Saurabh Garg   | 1.9            |
| 1549 | Bug     | Problem with corrupt beta6 packages                                           | New         | Normal    | Saurabh Garg   | 1.9            |
| 1547 | Bug     | incorporate eml parser into Morpho                                            | New         | Normal    | Saurabh Garg   | 1.9            |
| 1522 | Bug     | Morpho Update                                                                 | In Progress | Normal    | Dan Higgins    | 1.9            |
| 1507 | Bug     | New Data Table Wizard: Definition of new Unit Type                            | In Progress | Normal    | Dan Higgins    | 1.9            |
| 1497 | Bug     | dpw step 3 of 15 needs more clarity about internal categorization             | In Progress | Normal    | Dan Higgins    | 1.9            |
| 1481 | Bug     | access list should support multiple selections in tree                        | New         | Normal    | Saurabh Garg   | 1.9            |

| #    | Tracker | Subject                                                                                             | Status      | Priority  | Assignee           | Target version |
|------|---------|-----------------------------------------------------------------------------------------------------|-------------|-----------|--------------------|----------------|
| 1480 | Bug     | need to display URL references to data where possible                                               | In Progress | Normal    | Dan Higgins        | 1.9            |
| 1472 | Bug     | Morpho buttons show up without borders in certain cases.                                            | New         | Normal    | ben leinfelder     | 1.9            |
| 1381 | Bug     | keyword set editor efficiency problems                                                              | In Progress | Immediate | Dan Higgins        | 1.9            |
| 1287 | Bug     | Enable multiple movements of attribute lines in Data Information Screen / Attribute list            | In Progress | Normal    | Dan Higgins        | 1.9            |
| 1283 | Bug     | Synchronizing the Local and Network metadata bases                                                  | In Progress | Normal    | Saurabh Garg       | 1.9            |
| 1281 | Bug     | User does not see explicitly the local file folder where package is saved                           | New         | Normal    | Saurabh Garg       | 1.9            |
| 1261 | Bug     | Advanced Geographic Display System                                                                  | In Progress | Normal    | Dan Higgins        | 1.9            |
| 1252 | Bug     | DataPackageWizard TextImport Performance problem                                                    | New         | Normal    | Perumal Sambasivam | 1.9            |
| 1097 | Bug     | REOT feedback: need to view 2 entities simultaneously from same pkg                                 | In Progress | Normal    | Dan Higgins        | 1.9            |
| 1096 | Bug     | REOT feedback: display entity # and total # of entities near/on tabs                                | In Progress | Normal    | Dan Higgins        | 1.9            |
| 1095 | Bug     | REOT feedback: add toolbar buttons for data-editing, like in MS Ex**1                               | In Progress | Normal    | Dan Higgins        | 1.9            |
| 940  | Bug     | need large performance enhancements                                                                 | In Progress | Normal    | Dan Higgins        | 1.9            |
| 667  | Bug     | enable column reordering                                                                            | In Progress | Normal    | Dan Higgins        | 1.9            |
| 657  | Bug     | rewrite code to add sample datapackage from jar file                                                | In Progress | Normal    | Dan Higgins        | 1.9            |
| 607  | Bug     | MetaViewer Focus Functionality                                                                      | New         | Normal    | Saurabh Garg       | 1.9            |
| 570  | Bug     | convert editor/DocFrame to use MorphoFrame                                                          | In Progress | Low       | Matt Jones         | 1.9            |
| 545  | Bug     | annotation capability for editing data                                                              | In Progress | Normal    | Dan Higgins        | 1.9            |
| 530  | Bug     | add spell checking support                                                                          | In Progress | Normal    | Dan Higgins        | 1.9            |
| 509  | Bug     | HTTPProxy Firewall support needed                                                                   | In Progress | Normal    | Dan Higgins        | 1.9            |
| 394  | Bug     | window positions need to be saved                                                                   | In Progress | Normal    | Dan Higgins        | 1.9            |
| 307  | Bug     | package event handler to improve resultset refresh performance                                      | In Progress | Normal    | Matt Jones         | 1.9            |
| 302  | Bug     | create metacat account from morpho profile dialog                                                   | In Progress | Normal    | Jing Tao           | 1.9            |
| 205  | Bug     | cut/copy/paste                                                                                      | In Progress | Normal    | Dan Higgins        | 1.9            |
| 7162 | Bug     | Packages with at least one private object can't be downloaded                                       | New         | Normal    | Lauren Walker      | 1.X.0          |
| 7104 | Bug     | Navigating directly to a dataset #view page using a data pid sometimes goes to an obsoleted package | New         | Normal    | Lauren Walker      | 1.X.0          |
| 7011 | Bug     | Bar labels "Time period of data" graph on #profile is cut off                                       | New         | Normal    | Lauren Walker      | 1.X.0          |
| 6858 | Bug     | Allow users to save their search via a bookmarkable/sharable link                                   | New         | Normal    | Lauren Walker      | 1.X.0          |
| 6857 | Bug     | Make COINS work with Chrome (and other browser) extensions                                          | New         | Normal    | Lauren Walker      | 1.X.0          |
| 6718 | Bug     | Consider not mapping search results with a 0,0,0,0 bounding box                                     | New         | Normal    | Lauren Walker      | 1.X.0          |
| 6861 | Feature | Indicate which member nodes have no matches for the given search                                    | New         | Normal    | Lauren Walker      | 1.X.0          |
| 6859 | Feature | Add link to user's profile from Metadata View                                                       | New         | Normal    |                    | 1.X.0          |
| 6849 | Feature | Create new layout for displaying 'other entities'                                                   | New         | Normal    | Lauren Walker      | 1.X.0          |

| #    | Tracker | Subject                                                                                                        | Status      | Priority  | Assignee       | Target version |
|------|---------|----------------------------------------------------------------------------------------------------------------|-------------|-----------|----------------|----------------|
| 6843 | Feature | Query NCEAS admin db for current projects for Registry and custom filter tools                                 | New         | Normal    | Lauren Walker  | 1.X.0          |
| 6788 | Feature | Determine geohash level for map tiles before sending the Solr query                                            | New         | Normal    | Lauren Walker  | 1.X.0          |
| 6705 | Feature | Find mapped identities when doing actions involving authentication                                             | New         | Normal    | Lauren Walker  | 1.X.0          |
| 6664 | Feature | Store the resource map ID of the selected dataset in the SolrResult model and retrieve it in the Metadata View | New         | Normal    | Lauren Walker  | 1.X.0          |
| 6628 | Feature | Add copy/paste R and Matlab code snippet for downloading a DataONE package                                     | New         | Normal    | Lauren Walker  | 1.X.0          |
| 6229 | Feature | Make results list resizeable via JQueryUI Resizeable functionality                                             | New         | Normal    | Lauren Walker  | 1.X.0          |
| 6049 | Feature | Render some SystemMetadata details in views                                                                    | New         | Normal    | ben leinfelder | 1.X.0          |
| 6032 | Feature | Add schema.org dataset annotations to dataset views                                                            | In Progress | Normal    | Matt Jones     | 1.X.0          |
| 5985 | Feature | Add ability to 'tag' or annotate data sets with various types of terms                                         | New         | Normal    |                | 1.X.0          |
| 6929 | Task    | Add bar graph of downloads over time                                                                           | New         | Normal    | Lauren Walker  | 1.X.0          |
| 6924 | Task    | Add spatial map of datasets in profiles                                                                        | New         | Normal    | Lauren Walker  | 1.X.0          |
| 6913 | Task    | Show message-type indicator in navbar next to username when a user has a pending identity map request          | New         | Low       | Lauren Walker  | 1.X.0          |
| 6599 | Task    | Display image thumbnails in the Metadata View                                                                  | New         | Normal    | Lauren Walker  | 1.X.0          |
| 6923 | Story   | Enhance User, Group, and Member Node profiles                                                                  | New         | Normal    | Lauren Walker  | 1.X.0          |
| 7175 | Bug     | The link for non-numeric attribute domains doesn't work on the exported eml file                               | New         | Normal    |                | 2.0.0          |
| 6701 | Bug     | Entity descriptions can't be added outside wizard                                                              | New         | Normal    | ben leinfelder | 2.0.0          |
| 6700 | Bug     | Pub date field                                                                                                 | New         | Normal    | ben leinfelder | 2.0.0          |
| 6112 | Bug     | Use .morpho when we release the morpho                                                                         | New         | Normal    | ben leinfelder | 2.0.0          |
| 5887 | Bug     | Handle the query result set which contains the revision chains of documents                                    | New         | Normal    | ben leinfelder | 2.0.0          |
| 5805 | Bug     | Local and Network revisions show at same time in search results                                                | In Progress | Normal    | ben leinfelder | 2.0.0          |
| 5799 | Bug     | publish using DOI feature                                                                                      | New         | Immediate | Jing Tao       | 2.0.0          |
| 5736 | Bug     | Morpho DataONE refactor - tracker                                                                              | New         | Normal    | ben leinfelder | 2.0.0          |
| 2852 | Bug     | Unable to delete a table that only includes the data file documentaion                                         | In Progress | Normal    | ben leinfelder | 2.0.0          |
| 2542 | Bug     | revise XML schema                                                                                              | New         | Normal    | Michael Lee    | 2.0.0          |
| 2532 | Bug     | When users aren't logged in, prompt to do so in popup form                                                     | New         | Normal    | Michael Lee    | 2.0.0          |
| 2477 | Bug     | Login forwarding problems                                                                                      | New         | Normal    | Michael Lee    | 2.0.0          |
| 2406 | Bug     | Automate homepage map- color by number of plots per state                                                      | New         | Low       | Michael Lee    | 2.0.0          |
| 2331 | Bug     | ensure NVC.doc standards doc matches what's in VegBank                                                         | New         | Normal    | Michael Lee    | 2.0.0          |
| 2164 | Bug     | allow southern hemisphere UTM conversions.                                                                     | New         | Normal    | Michael Lee    | 2.0.0          |
| 2075 | Bug     | make datasets have keywords, ala gmail                                                                         | New         | Normal    | Michael Lee    | 2.0.0          |
| 1967 | Bug     | Fix downloader if takes too long: create file and set to download from private space later                     | New         | Normal    | Michael Lee    | 2.0.0          |
| 1804 | Bug     | export data from VegBranch into several formats                                                                | New         | Normal    | Michael Lee    | 2.0.0          |

| #    | Tracker | Subject                                                                                                                 | Status      | Priority  | Assignee      | Target version |
|------|---------|-------------------------------------------------------------------------------------------------------------------------|-------------|-----------|---------------|----------------|
| 1607 | Bug     | Load Plots: Arctic releves                                                                                              | New         | Normal    | Michael Lee   | 2.0.0          |
| 971  | Bug     | Build an observation synonym form                                                                                       | New         | Normal    | Michael Lee   | 2.0.0          |
| 902  | Bug     | Load db:Stohlgren-800: complex plot design                                                                              | New         | Normal    | Michael Lee   | 2.0.0          |
| 901  | Bug     | Load database:Mojave-1000: Kathy Thomas                                                                                 | New         | Normal    | Michael Lee   | 2.0.0          |
| 888  | Bug     | Load database:Wisconsin-1500: point-quarter, Curtis (how??)                                                             | New         | Normal    | Michael Lee   | 2.0.0          |
| 886  | Bug     | Load database:Utah-1460: December Dave Roberts                                                                          | New         | Normal    | Michael Lee   | 2.0.0          |
| 884  | Bug     | Load database:NY-ESF-1500: DF                                                                                           | New         | Immediate | Michael Lee   | 2.0.0          |
| 856  | Bug     | users specify view of plots and fields they want                                                                        | New         | Normal    | Michael Lee   | 2.0.0          |
| 823  | Bug     | Annotation: query for notes                                                                                             | New         | Normal    | Michael Lee   | 2.0.0          |
| 821  | Bug     | Notes: add new note form, link from views of things to note                                                             | New         | Low       | Michael Lee   | 2.0.0          |
| 793  | Bug     | Build validation package:Default values for some fields (if null)                                                       | New         | Normal    | Michael Lee   | 2.0.0          |
| 738  | Bug     | TurboVeg plot import (TV-XML to VB-XML by our stylesheet)                                                               | New         | Normal    | Michael Lee   | 2.0.0          |
| 689  | Bug     | Usability analysis by expert usability person                                                                           | New         | Low       | Michael Lee   | 2.0.0          |
| 5120 | Bug     | Provide a toggle for automatic updates                                                                                  | New         | Normal    | David Welker  | 2.0.0          |
| 6967 | Bug     | If the most recent version of a metadata record is archived, the "there is a newer version..." message does not display | New         | Normal    | Lauren Walker | 2.0.0          |
| 6879 | Bug     | Popover box in Google Maps does not always display                                                                      | New         | Normal    | Lauren Walker | 2.0.0          |
| 7071 | Feature | Add a table of contents to the Metadata View for easier navigation                                                      | New         | Normal    | Lauren Walker | 2.0.0          |
| 6810 | Feature | Create detailed user documentation for MetacatUI                                                                        | New         | Normal    | Lauren Walker | 2.0.0          |
| 6948 | Task    | Display loosely-coupled services in the Metadata View for datasets                                                      | New         | Low       | Lauren Walker | 2.0.0          |
| 6947 | Task    | Add MN Services display to search result views                                                                          | New         | Normal    | Lauren Walker | 2.0.0          |
| 7106 | Story   | Retrieve an EML doc and parse into model attributes                                                                     | New         | Normal    |               | 2.0.0          |
| 7040 | Story   | A client side data and metadata manager and editor                                                                      | In Progress | Normal    | Chris Jones   | 2.0.0          |
| 3532 | Bug     | Revise elevation based on NASA data                                                                                     | In Progress | Normal    | Michael Lee   | 2009-Jan       |
| 3432 | Bug     | Upgrade patching system                                                                                                 | New         | Normal    | Michael Lee   | 2009-Jan       |
| 2924 | Bug     | Add "use defaults on this plot" for parties and place name                                                              | New         | Normal    | Michael Lee   | 2009-Jan       |
| 2868 | Bug     | upgrade taxonomy using TaxonOccurrence Spreadsheet (aka Cover_ver4_withCBS)                                             | In Progress | Immediate | Michael Lee   | 2009-Jan       |
| 3611 | Bug     | Newell R module = supersample?                                                                                          | In Progress | Normal    | Michael Lee   | 2009-June      |
| 2666 | Bug     | ready for DBA: Project 76 (Elizabeth City, NC): 52 plots                                                                | New         | Normal    | Michael Lee   | 2009-June      |
| 2665 | Bug     | Ready for DBA process: Project 75 (Singletary Lake, NC): 52 plots                                                       | New         | Normal    | Michael Lee   | 2009-June      |
| 2663 | Bug     | 2 errs left: + duplicates flagged: Project 73 (Mountain Bogs): 64 plots                                                 | New         | Normal    | Michael Lee   | 2009-June      |
| 2662 | Bug     | Unfolding: Project 64 (Brunswick Co. NC): 88 plots                                                                      | New         | Normal    | Michael Lee   | 2009-June      |
| 2661 | Bug     | comments in XLS resolve: Project 63 (Francis Marion NF): 54 plots                                                       | New         | Normal    | Michael Lee   | 2009-June      |

| #    | Tracker | Subject                                                                                      | Status      | Priority  | Assignee           | Target version |
|------|---------|----------------------------------------------------------------------------------------------|-------------|-----------|--------------------|----------------|
| 984  | Bug     | tracking bug for Alpha2 release                                                              | In Progress | Immediate | Monarch Dev        | 2.0.0Alpha2    |
| 955  | Bug     | need to handle multiple datasets as input to a pipeline                                      | In Progress | Immediate | Rich Williams      | 2.0.0Alpha2    |
| 947  | Bug     | develop pipeline/step library for MARINE QA tests                                            | In Progress | Normal    | Rich Williams      | 2.0.0Alpha2    |
| 944  | Bug     | write eml -> nbii xsl sheet                                                                  | In Progress | Immediate | Dan Higgins        | 2.0.0Alpha2    |
| 962  | Bug     | Allow a single step to be a pipeline                                                         | In Progress | Normal    | Rich Williams      | 2.0.0Beta1     |
| 958  | Bug     | When executing a StepGroup, only load required datasets and scalars                          | In Progress | Normal    | Rich Williams      | 2.0.0Beta1     |
| 952  | Bug     | record data bindings in a recoverable xml document                                           | In Progress | Normal    | Rich Williams      | 2.0.0Beta1     |
| 5105 | Bug     | have x- specimens map                                                                        | In Progress | Normal    | Michael Lee        | 2010-Jan       |
| 3010 | Bug     | Should encode strings in URL requesting mapping of plots                                     | In Progress | Normal    | Michael Lee        | 2010-Jan       |
| 6500 | Bug     | Give users ability to import certificates into Morpho easily                                 | New         | Normal    |                    | 2.1.0          |
| 5848 | Bug     | Ensure Morpho can edit EML contributed by DataUp                                             | New         | Normal    | ben leinfelder     | 2.1.0          |
| 5823 | Bug     | Improve save-to-network performance                                                          | New         | Normal    | Jing Tao           | 2.1.0          |
| 5766 | Bug     | Include data identifier in EML (rather than ecogrid:// URL)                                  | New         | Normal    | ben leinfelder     | 2.1.0          |
| 5757 | Bug     | Add identifier scheme drop down to id conflict window                                        | New         | Normal    | ben leinfelder     | 2.1.0          |
| 5747 | Bug     | Open ORE documents locally                                                                   | New         | Normal    | ben leinfelder     | 2.1.0          |
| 5743 | Bug     | Include ORE identifier in search results                                                     | New         | Normal    | ben leinfelder     | 2.1.0          |
| 5735 | Bug     | Decide on primary package identifier                                                         | New         | Normal    | ben leinfelder     | 2.1.0          |
| 6084 | Story   | Use SOLR query instead of pathquery                                                          | New         | Normal    | Jing Tao           | 2.1.0          |
| 6167 | Bug     | Model Context Menu should have the enableBackwardTypeInference choice                        | New         | Low       |                    | 2.4.0          |
| 6893 | Bug     | DateToken value inconsistent                                                                 | New         | Low       | Christopher Brooks | 2.6.0          |
| 7209 | Feature | Support for XSL transform of iso19115 metadata format                                        | New         | Normal    | Bryce Mecum        | 2.8.5          |
| 7219 | Bug     | reCAPTCHA v1 will be turned off on March 31, 2018                                            | In Progress | Normal    | Jing Tao           | 2.8.6          |
| 7051 | Task    | Develop a 'Move Dataset Levels' use case                                                     | New         | Normal    | Lauren Walker      | 2.X.0          |
| 6614 | Bug     | parameter editor background color different on Linux                                         | New         | Normal    | Derik Barseghian   | 2.X.Y          |
| 6588 | Bug     | R actor does not have error for missing output                                               | New         | Normal    | ben leinfelder     | 2.X.Y          |
| 5760 | Bug     | saving xml to existing file asks twice on mac                                                | In Progress | Normal    | Daniel Crawl       | 2.X.Y          |
| 5715 | Bug     | Actor Reference documentation                                                                | New         | Normal    | jianwu jianwu      | 2.X.Y          |
| 5699 | Bug     | Change the workflow scheduler server documentation link in the workflow-scheduler-gui module | New         | Normal    | Jing Tao           | 2.X.Y          |
| 5691 | Bug     | parameter choices are not saved                                                              | New         | Low       | Derik Barseghian   | 2.X.Y          |
| 5689 | Bug     | remove configs/.../configuration.xml override                                                | New         | Low       | Daniel Crawl       | 2.X.Y          |
| 5687 | Bug     | investigate alternatives to workflow versioning                                              | New         | Normal    | Daniel Crawl       | 2.X.Y          |
| 5682 | Bug     | ontology classes require unique label                                                        | New         | Normal    | Derik Barseghian   | 2.X.Y          |

| #    | Tracker | Subject                                                                                             | Status      | Priority  | Assignee           | Target version |
|------|---------|-----------------------------------------------------------------------------------------------------|-------------|-----------|--------------------|----------------|
| 5664 | Bug     | Check for duplicate code                                                                            | New         | Normal    | Christopher Brooks | 2.X.Y          |
| 5652 | Bug     | Geon Scp and spa Ssh2Exec have duplicate code.                                                      | New         | Normal    | Daniel Crawl       | 2.X.Y          |
| 5646 | Bug     | Switching some of the add-on modules to core                                                        | New         | Normal    | Ilkay Altintas     | 2.X.Y          |
| 5645 | Bug     | kar uploading should need user account.                                                             | New         | Normal    | Derik Barseghian   | 2.X.Y          |
| 5627 | Bug     | List all possible port types in actor Types drop down list                                          | New         | Normal    | Derik Barseghian   | 2.X.Y          |
| 5590 | Bug     | RExpression forces pdf if 'automatically show graphics' is checked                                  | New         | Normal    | ben leinfelder     | 2.X.Y          |
| 5586 | Bug     | Get newest version of local files in EML actor                                                      | New         | Normal    | Jing Tao           | 2.X.Y          |
| 5581 | Bug     | Make UI improvements to Components Download                                                         | New         | Normal    | Derik Barseghian   | 2.X.Y          |
| 5577 | Bug     | EML 2 Dataset actor EML File and Data File parameters should accept URLs                            | New         | Normal    | Jing Tao           | 2.X.Y          |
| 5510 | Bug     | On Ubuntu, Kepler can disappear from the dock while still running                                   | New         | Normal    | Derik Barseghian   | 2.X.Y          |
| 5444 | Bug     | Kepler can't run workflow if two instances exist at same time                                       | In Progress | Normal    | Daniel Crawl       | 2.X.Y          |
| 5354 | Bug     | Integrate Kepler Wiki Into Kepler Help                                                              | New         | Normal    | Ilkay Altintas     | 2.X.Y          |
| 5333 | Bug     | 2.2 rc3: getenv("") doesn't work for mac installation.                                              | New         | Normal    | Daniel Crawl       | 2.X.Y          |
| 5290 | Bug     | originModule not always set                                                                         | New         | Normal    | Daniel Crawl       | 2.X.Y          |
| 5281 | Bug     | cannot open 1.0 KARs                                                                                | New         | Normal    | Ilkay Altintas     | 2.X.Y          |
| 5276 | Bug     | component search performance is poor                                                                | New         | Normal    | Jing Tao           | 2.X.Y          |
| 5249 | Bug     | test kepler for memory leaks                                                                        | In Progress | Immediate | jianwu jianwu      | 2.X.Y          |
| 5173 | Bug     | Develop clear criteria for when code in Kepler CORE should be in its own module.                    | New         | Normal    | Ilkay Altintas     | 2.X.Y          |
| 5170 | Bug     | uploading a workflow requires a refresh                                                             | New         | Normal    | Derik Barseghian   | 2.X.Y          |
| 5155 | Bug     | To exclude a file or directory requires updating at least four places, only one should be necessary | New         | Normal    | Chad Berkley       | 2.X.Y          |
| 5153 | Bug     | Save As... closes all windows associated with a workflow                                            | New         | Normal    | Derik Barseghian   | 2.X.Y          |
| 5129 | Bug     | adding and removing configuration properties could be made easier                                   | In Progress | Normal    | Derik Barseghian   | 2.X.Y          |
| 5081 | Bug     | A system for adding and removing GUI menus.                                                         | New         | Normal    | Chad Berkley       | 2.X.Y          |
| 5076 | Bug     | Minimize the number of files downloaded from the Ptolemy repository.                                | New         | Normal    | David Welker       | 2.X.Y          |
| 5075 | Bug     | Fix the module manager so it can show docs with any name.                                           | New         | Normal    | David Welker       | 2.X.Y          |
| 5069 | Bug     | The ability to create user manuals from a wiki that is continuously updated.                        | New         | Normal    | David Welker       | 2.X.Y          |
| 5068 | Bug     | Investigate jars (why they are necessary) and upgrade whenever possible.                            | New         | Normal    | David Welker       | 2.X.Y          |
| 5067 | Bug     | The introduction of basic services so that module names are not referenced.                         | New         | Normal    | David Welker       | 2.X.Y          |
| 5048 | Bug     | Can't clean (or do other build system operations) offline                                           | In Progress | Normal    | David Welker       | 2.X.Y          |
| 5045 | Bug     | Add a menu to add and configure new remote kepler servers                                           | In Progress | Normal    | Derik Barseghian   | 2.X.Y          |
| 5030 | Bug     | RExpression2 actor will fail if the libs are not found                                              | New         | Normal    | ben leinfelder     | 2.X.Y          |
| 5018 | Bug     | Items with the same LSID show with the same name in the Components Library                          | New         | Normal    | Chad Berkley       | 2.X.Y          |

| #    | Tracker | Subject                                                                                        | Status      | Priority  | Assignee         | Target version |
|------|---------|------------------------------------------------------------------------------------------------|-------------|-----------|------------------|----------------|
| 4978 | Bug     | Create additional 'module' property for any menu entries that are inserted by non-core modules | In Progress | Normal    | Derik Barseghian | 2.X.Y          |
| 4953 | Bug     | Remote Components category sticks around sometimes                                             | In Progress | Normal    | Derik Barseghian | 2.X.Y          |
| 4920 | Bug     | dynamically change toolbar buttons                                                             | New         | Normal    | Daniel Crawl     | 2.X.Y          |
| 4919 | Bug     | tag removal sends two tagRemoved events through provenance                                     | New         | Normal    | Sean Riddle      | 2.X.Y          |
| 4908 | Bug     | actor/director/attribute .xml file documentation needs to be updated                           | New         | Normal    | Daniel Crawl     | 2.X.Y          |
| 4883 | Bug     | Need more command line options for kar files                                                   | New         | Immediate | Chad Berkley     | 2.X.Y          |
| 4876 | Bug     | RExpression - recursively handle arrays                                                        | New         | Normal    | ben leinfelder   | 2.X.Y          |
| 4869 | Bug     | changes made to workflows during dialogs before committing (Edit Parameters/Cancel)            | In Progress | Normal    | ben leinfelder   | 2.X.Y          |
| 4859 | Bug     | GDALTranslate does not work on Windows 7 (64bit)                                               | In Progress | Normal    | Chad Berkley     | 2.X.Y          |
| 4829 | Bug     | User log4j files                                                                               | New         | Normal    | Derik Barseghian | 2.X.Y          |
| 4811 | Bug     | No "Get Metadata" item on right-click menu after dragging an EML actor to the canvas           | In Progress | Normal    | Chad Berkley     | 2.X.Y          |
| 4801 | Bug     | out of memory                                                                                  | In Progress | Normal    | jianwu jianwu    | 2.X.Y          |
| 4785 | Bug     | move cache object from 1.0 to 2.0                                                              | New         | Immediate | Chad Berkley     | 2.X.Y          |
| 4783 | Bug     | Standardize workflow parsing to get parameters                                                 | New         | Normal    | jianwu jianwu    | 2.X.Y          |
| 4749 | Bug     | run google earth within kepler gui                                                             | New         | Normal    | Daniel Crawl     | 2.X.Y          |
| 4740 | Bug     | Create Ontology_Catalog sql table in the CORE persistent database                              | New         | Normal    | Aaron Aaron      | 2.X.Y          |
| 4736 | Bug     | RFE speed up Suggest Similar Components feature                                                | New         | Normal    | Derik Barseghian | 2.X.Y          |

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