

|   | 2020-5                            |    |    |    | 2020-6 |    |    |    | 2020-7 |    |    |    | 2020-8 |    |    |    | 2020-9 |    |    |    | 2020-10 |    |    |    |    |    |  |  |
|---|-----------------------------------|----|----|----|--------|----|----|----|--------|----|----|----|--------|----|----|----|--------|----|----|----|---------|----|----|----|----|----|--|--|
|   | 19                                | 20 | 21 | 22 | 23     | 24 | 25 | 26 | 27     | 28 | 29 | 30 | 31     | 32 | 33 | 34 | 35     | 36 | 37 | 38 | 39      | 40 | 41 | 42 | 43 | 44 |  |  |
| <b>Community Dynamics Toolbox</b>                       | <b>Community Dynamics Toolbox</b> |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |         |    |    |    |    |    |  |  |
| Konza seasonal summary of numbers of small (...)        |                                   |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |         |    |    |    |    |    |  |  |
| Konza vegetation species composition (1989-2011)        |                                   |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |         |    |    |    |    |    |  |  |
| Grassland Vegetation Line-Intercept Transects (...)     |                                   |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |         |    |    |    |    |    |  |  |
| Small Mammal Mark-Recapture Population Dynamics (...)   |                                   |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |         |    |    |    |    |    |  |  |
| Metric: ordination (NMDS)                               |                                   |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |         |    |    |    |    |    |  |  |
| Metric: community stability                             |                                   |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |         |    |    |    |    |    |  |  |
| Metric: population stability                            |                                   |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |         |    |    |    |    |    |  |  |
| Metric: time-lag analysis                               |                                   |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |         |    |    |    |    |    |  |  |
| Metric: statistics                                      |                                   |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |         |    |    |    |    |    |  |  |
| create example analysis and workflows                   |                                   |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |         |    |    |    |    |    |  |  |
| organize Sid's R scripts and data                       |                                   |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |         |    |    |    |    |    |  |  |
| document and upload Sid's data to a (...)               |                                   |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |         |    |    |    |    |    |  |  |
| Create workflow encapsulating Sid's (...)               |                                   |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |         |    |    |    |    |    |  |  |
| First Community Workshop                                | New 0%                            |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |         |    |    |    |    |    |  |  |
| First Community Workshop day 2                          | New 0%                            |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |         |    |    |    |    |    |  |  |
| First Community Workshop day 3                          | New 0%                            |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |         |    |    |    |    |    |  |  |
| <b>Ecoinformatics</b>                                   |                                   |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |         |    |    |    |    |    |  |  |
| Ecoinformatics - ---                                    |                                   |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |         |    |    |    |    |    |  |  |
| redesign the ecoinformatics.org website                 |                                   |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |         |    |    |    |    |    |  |  |
| econetwork registry                                     |                                   |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |         |    |    |    |    |    |  |  |
| broken link   |                                   |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |         |    |    |    |    |    |  |  |
| The KNB site uses two headers with different (...)      |                                   |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |         |    |    |    |    |    |  |  |
| bad links on metacatininstall page on (...)             |                                   |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |         |    |    |    |    |    |  |  |
| <b>EML</b>  | EML                               |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |         |    |    |    |    |    |  |  |
| element "alternateldentifier" should be non-empty (...) |                                   |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |         |    |    |    |    |    |  |  |
| EML - EMLPARSER_2_1_1_UPDATE_3                          | EML -EMLPARSER_2_1_1_UPDATE_3 0%  |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |         |    |    |    |    |    |  |  |
| Support JSON or XML output from emlparger               | New 0%                            |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |         |    |    |    |    |    |  |  |

**EML - DataManager 1.0.0**

Data manager library need to handle (...)

Data Manager Library: Database Connection (...)

Data Manager Library: Release and Distribution

Use datamanager for EML QA/QC

**EML - DataManager 1.1.0**

Data Manager Library: Set upper limit (...)

Data Manager Library: Set database table (...)

Data Manager Library: Support for inline (...)

Data Manager Library: Support for online (...)

Data Manager Library: storageType content (...)

**EML - EML2.2.0**

units missing from Unit Dictionary

missing or erroneous SI units in unitDictionary

units not in eml-unitDictionary

id key definitions in EML

modify temporalCoverage to support ongoing (...)

add fields for information about metadata (...)

buildDocBook.xsl missing from release (...)

Add publication date property to keywordSet

add field to reference data usage citations

document use of ORCID ids in userId (...)

**EML - Postpone**

semantic metadata module/extensions

Eml documentation for Seminars & LTER (...)

change in documentation structure

Develop errata section for eml technical (...)

Distribution element requested for project

Temporal Description Missing?

dictionary needed for externallyDefinedFormat

Move project element to top-level

embedded text format ignored by Metacat

xs:string to ComplexType TextType, minOccurs=0, (...)

datum requested in GeographicCoverageType

attribute BoundsGroup may be retyped (...)  
consider adding a datum to boundingAltitudes  
Status of spatial data in EML  
Develop method for cross-links between (...)  
problems with methods trees  
declarations for units in spatialReference (...)  
occurrence is misspelled in eml-constraint (...)  
misspelled word in MaintUpFreqType enumeration (...)

#### EML - Unspecified

requesting support for ids in taxonomicClassification (...)  
param attributeindex defined twice in (...)  
containers for eml-literature docs  
Access Control not shown by EML stylesheets  
Cannot define SOM map projection in (...)  
Request addition of optional "exampleEntry" (...)  
EML Stylesheet problem with web address (...)  
Separating measurements and units into (...)  
Several bug fixes for the eml2nbii.xsl (...)  
EML2 style sheet double the number of (...)  
Single quote characters from data are (...)  
datamanager does not respect precision (...)  
Change InlineType to CDATA  
Unit should be pluralized by default  
create a stylesheet for EML2.0.x to (...)  
eml-documentation stylesheet problem (...)  
Provide metadata docid along with data (...)  
Create an EML Utilities module  
standardize namespace prefixed used (...)  
Update stylesheets to improve entityCodeList (...)  
emlparser and metacat-emlparser do not (...)  
squished rendering of some EML datasets  
texttype stylesheet does not correctly (...)  
children element with namespace prefix (...)  
The knb xslt stylesheet display is squished (...)

missing template for method/methodStep/software/implementation/distribution/inline

Need to update xerces jar files in the (...)

round-trip encoding of missing values (...)

Make the data manager handle multiple (...)

Examine HTML skins for EML

date time format strings need a system

update documentation for species binomials

I18N is incomplete in EML 2.1.1

parser does not recognize attribute/@id (...)

EML stylesheet problem for i18n text

#### FIRST

##### FIRST - Postpone

Support UTF8 encoded XML in Metacat

image does not show

##### FIRST - Unspecified

Current scheme of naming revisions of (...)

NBII Connectivity Issues

Unintended text displayed on EdMLDataviewContainerPanel

Parsed multi-part questions aren't saved/retrieved (...)

FIRST Website download and missing metadata (...)

Errors while saving assessments on to (...)

Attempt to download either yields empty (...)

##### FIRST - client-alpha3

Add first/last page buttons to PDFPane (...)

##### FIRST - client-prototype

Allow files to be assigned to only sensible (...)

Make JLists larger in AssignExternalFiles

Undo doesn't work for image manipulation (...)

PDF document being viewed does not maximize (...)

Undo does not work on question type (...)

Handle exceptions when parser is running

Searching for choices in multiple choice (...)

Saved parsed items do not show up in (...)

Question 46 on Fall05-Exam3.pdf causes (...)

|   |  |
|---|--|
| <p>The "Assign" button is de-activated (...)</p> <p><b>FIRST - post-clientprototype</b></p> <ul style="list-style-type: none"> <li>Auto size JTable in DataSourcePreviewPanel</li> <li>Deal with student data in columns better</li> <li>Delete old auto-save files</li> <li>ResponseItem subclasses do not write (...)</li> <li>Show non-active data types in LabelDataColumns (...)</li> <li>Need a "find" feature in the MainWindow (...)</li> <li>Import assessments with no assessment-level (...)</li> <li>Show details about active selection (...)</li> <li>May need way to select image from original (...)</li> <li>Add ability to show bounding boxes around (...)</li> <li>Allow exception pages for header/footer (...)</li> <li>Selected rectangle can have its origin (...)</li> <li>Cannot launch parser within Morpho when (...)</li> <li>adding question number</li> <li>The original PDF document does not open (...)</li> <li>Allow for multiple responses (check (...)</li> <li>Out of order question numbers can cause (...)</li> <li>Re-sizing parser's main and original (...)</li> <li>New feature request (inter-related multi-part (...)</li> </ul> <p><b>FIRST - server-prototype</b></p> <ul style="list-style-type: none"> <li>Include assessmentItemId in the Metacat (...)</li> </ul> <p><b>InfoVeg</b></p> <p><b>InfoVeg - 2009-Jan</b></p> <ul style="list-style-type: none"> <li>upgrade taxonomy using TaxonOccurrence (...)</li> <li>Add "use defaults on this plot" for (...)</li> <li>Upgrade patching system</li> <li>Revise elevation based on NASA data</li> </ul> <p><b>InfoVeg - 2009-June</b></p> <ul style="list-style-type: none"> <li>comments in XLS resolve: Project 63 (...)</li> <li>Unfolding: Project 64 (Brunswick Co. (...)</li> <li>2 errs left: + duplicates flagged: Project (...)</li> <li>Ready for DBA process: Project 75 (Singletary (...)</li> </ul> |  |
|---|--|

|   |  |
|---|--|
| <p>ready for DBA: Project 76 (Elizabeth (...))<br/> Newell R module = supersample?<br/> InfoVeg - 2010-Jan<br/> Should encode strings in URL requesting (...)<br/> have x- specimens map<br/> InfoVeg - Postpone<br/> Identify USDA species without county (...)<br/> add Quick fix for common errors<br/> DBA: reports could be improved<br/> Need to have rules for "odd" levels (...)<br/> InfoVeg - Unspecified<br/> Children should occur in map of parent<br/> Inability to search on taxa not treated (...)<br/> Erroneous assignment of ambiguous status<br/> Help function text<br/> 40. Concepts for CVS data?<br/> Modify Specify to allow determination (...)<br/> 45. Negative occurrences<br/> Dynamic versioning<br/> Relationships between Weakley to USDA (...)<br/> Verification that CVS records map correctly (...)<br/> Annotate demonstration set of databased (...)<br/> RAB records of nominal variety occurrences (...)<br/> Ambiguous records should have details (...)<br/> County lists should include ambiguous (...)<br/> toArchiveDB: Project 62 (Windsor): (...)<br/> Geocoordinates<br/> Port static NCSU records into SPECIFY<br/> User submissions of new occurrence records<br/> Miscellaneous literature records for (...)<br/> Add traits tab<br/> Tool for users to submit county records<br/> Clean up relationship mapping to remove (...)<br/> Create log of changes generated by the (...)</p> |  |
|---|--|

**Soil errors in legacy data: Mg truncated**  
**commit atlas to cvs**  
**Kentucky atlas data**  
**Lfemapper like prediction of ranges**  
**Deep links to maps**  
**Incorrect mapping of nominal concepts**  
**Need a zoom in on community classification (...)**  
**Business rules needed to guide field-samplers (...)**  
**Weird monitoring issues: species erroneously (...)**  
**Implement new color scheme to help color-blind (...)**  
**Allow multiple concept sources in CVS (...)**  
**missing RAB-Weakley relationships**  
**Check for relationship errors deriving (...)**  
**Add UNCC data**  
**Virginia**  
**Map toolbar info**  
**Update community classification**  
**Color change**  
**Date stamps for revisions of the concept (...)**  
**LA Atlas**  
**Details of records in sources**  
**Upgrade USDA records**  
**new state records**  
**tab for atomized weakley description**  
**No Lonicera flava from usada**  
**inferring relationships of higher order (...)**  
**Annotate incorrectly identified records**  
**handle specimens from small or fragmentary (...)**  
**Literature record option does not work**  
**Site records and plot records (BLUE (...))**  
**Go through and map species by stratum: (...)**  
**Citation instructions**  
**Add directions for citation to homepage**  
**Add 'Original Label Taxon' field to (...)**

**Tab for MaxEnt prediction of range**  
**Add databased collection records from (...)**  
**Allow plot annotation from ANY database**  
**1/28/2009 CONTAINER bug**  
**Classification view/import/edit - CONTAINER (...)**  
**viewer-classification view and update**  
**viewer-classification view**  
**post-workshop 2009 CONTAINER BUG**  
**clairification of mean-water depth**  
**Decide on impermeable surface for soildrainage**  
**Classification Automation Tools**  
**project 59, team 6 cover by strata method (...)**  
**Check Taxon occurrences where otherwise (...)**  
**Need taxonomic standardization rules (...)**  
**Gonolobus carolinensis poiknts to Matelea (...)**  
**Solidago faucibus crashes system**  
**update NCU databasing progress and make (...)**  
**have annotation NOTES show up on specimen (...)**  
**have NOTES field show (on atlas, presumably)**  
**display more pages; no more than 10pg (...)**  
**add UNCC and WNC to participating herbaria (...)**  
**Autoblock taxa for rare/showy stuff**  
**Autoblock records based on certain land (...)**  
**auto filter for sensitive species**  
**Incorporate Wisser's Classification into (...)**  
**Updating GUIDs for taxon observations**  
**Collections spreadsheets verification**  
**Project 58 (Syngenta)**  
**Identify maritime fringe unknown specimens**  
**Update CF classification based on numerical (...)**  
**Migrate CF projects to Archive DB**  
**Finalize CF data for Community Description (...)**  
**InfoVeg - WhenWeHaveTime**  
**Allow editing of default stratum method (...)**



**Add LSID+GUID to data rows**

**Preprint "plot datasheet" when upgrading (...)**

**Create 1-pager instructions for each (...)**

**evaluate beta PDA version of the reference (...)**

#### **Jalama**

##### **Jalama - Postpone**

**develop example protocol descriptions**

**get data sheets and protocol descriptions (...)**

**compile and review existing software**

**contact MARINE about handheld development**

**Find/Develop Documentation Tools For (...)**

**Unit tests for JS and XBL**

**XBL Datatable Widget - make single values (...)**

**XBL Datatable Widget - Configurable (...)**

**Drools Rules - Layout (pagination & (...)**

**Build customization dialog to modify (...)**

**Support multiple tables**

**XBL 2d Dropdown: various improvements**

**XBL Datatable Widget - Implement Overridable (...)**

**Redesign PISCO EML to have complete (...)**

**XBL input widgets - Allow Widgets to (...)**

**Spreadsheet summary view during collection**

**Allow deployment server to check and (...)**

**Morpho Plugin - Enhanced Dataset Upload (...)**

**Promoting Data/Metadata**

##### **Jalama - Unspecified**

**Jalama web-app XUL doesn't work in Firefox (...)**

#### **Kepler**

##### **Kepler - 2.X.Y**

**windows mouse wheel doesn't scroll canvas**

**Get the R actor working with JNI**

**Additional information for 64-bit users (...)**

**RExpression2 - tracking for backwards (...)**

**update documentation to explain adding (...)**

make a new module called globus to host (...)  
Get error message when too much code (...)  
Import actor that already exists appends (...)  
create developer documentation for svn (...)  
UserInteractiveShell message  
No reset/x button to clear component (...)  
Java Package Ontology (e.g. to facilitate (...)  
here are some new svg icons for actors  
Need resource manager to handle objects (...)  
make kepler use OSX dialog boxes  
Kepler changes property position in (...)  
Workflow Run Manager - Open in New Window (...)  
port names are displayed twice  
report-overrides  
using the alt key makes menus appear (...)  
User documentation creates bloat in (...)  
use port parameters in web service actors  
Problems with the File to Array converter  
"Kepler Repositories" should be retrieved (...)  
Reorganize code in util, core and gui (...)  
Kepler - 3.X.Y  
need SAS actor  
consolidating data access user interfaces  
Define and implement EcoGrid "dataQuery" (...)  
DIALOGS: Implement New UI for Sources (...)  
Global toggle for port name display  
Enable drag and drop of ports and relations  
Add query builder to generic db actor  
Provide real-time feedback/animation (...)  
Implement the 'most recently used' concept (...)  
Define a published interface for a semantic (...)  
Implement semantic search for data and (...)  
Design and implement workflow semantic (...)  
Search based on the semantic annotation (...)

choose language for semantic annotations (...)  
Search based on semantic annotations (...)  
Define the Kepler GUI components required (...)  
Develop strategies for GUI extensions (...)  
Develop ontologies; engage KR group  
Extend database query actor to handle (...)  
Support Getting Metadata for Darwin (...)  
associate an visual text annotation (...)  
**MENUS: Context Menus - Add Cut/Copy/Paste (...)**  
Incorporate combo boxes with pick lists (...)  
Provide more meaningful error messages  
provide natural language summary of (...)  
provide ability to assign checkpoints (...)  
provide ability to easily visualize (...)  
consider guided analysis wizard  
provide indication of actor compatibility  
provide different levels of turning (...)  
Port labels appear 'twice' when DataSource (...)  
add concept search for data  
add taxon concept search for data  
allow user to save search results  
make double-click open composite actor  
provide mechanism for saving queries  
alert user when new ontology is available  
mechanism for user to query for semantically (...)  
allow users to create units based on (...)  
create user guide to ontologies for (...)  
add visual indicators for non-annotated (...)  
add features to support structural incompatibility  
add features to support semantic incompatibility  
Data sources' schema attribute should (...)  
Need ability to update data searches  
need dataset extraction WF for documentation/example (...)  
EML parser does not handle attribute (...)

EML actor doesn't handle footer line (...)  
{de-}serialize semantic annotations (...)  
TRACKING: Batik SVG Rendering - remaining (...)  
TOOLBAR: status on opening workflows (...)  
TRACKING: Popup Dialog Changes  
Need to support a useful subset of PHYLIP (...)  
Need documentation for collection-oriented (...)  
Need to document how to use Kepler for (...)  
DIALOGS: Implement New Workflow Dialog  
DIALOGS: Implement New Director Dialog  
DIALOGS: Implement New Actor Dialog  
DIALOGS: Implement New "Advanced Search (...)  
DIALOGS: Implement New "Advanced Search (...)  
DIALOGS: Implement New "Search Ecogrid (...)  
DIALOGS: Implement New "Search Ecogrid (...)  
DIALOGS: Implement New "Semantic Annotation" (...)  
Simple Kepler features movie to be displayed (...)  
TRACKING: Localization and Improvement (...)  
Changing the Color Scheme  
Problem unzipping hierarchical data  
Mac OSX code missing for several JNI (...)  
SVG - old-style icon still displayed (...)  
TRACKING - MENUS: Top-Level Menu Revision  
TRACKING - MENUS: pop-up context menu (...)  
MENUS: Top-Level Menu - some toolbar (...)  
Rewrite disk based GIS code for speed (...)  
Actors should have preconditions to (...)  
enable/disable menu items and toolbar (...)  
DataSourceIcon: use new SVG icons dynamically, (...)  
MENUS: Context Menus - Additional context (...)  
Documentation kar does not appear in (...)  
Incorporating the SRB actors with the (...)  
Need ability to disable 'add port' to (...)  
TOOLTIPS: dual screen setup - tooltip (...)

Need ability to set parameter ranges (...)  
need feature in UI for users to assign (...)  
Opening a preexisting model should open (...)  
ICONS: Tracking bug - Rearranging and (...)  
DataSource: add code to assign & display (...)  
ICONS: Handle missing thumbnails elegantly  
Animate at Runtime... action only partially (...)  
consider better mechanism for navigating (...)  
consider providing data-centric/data (...)  
consider providing management console (...)  
Need for actor/attribute that detects (...)  
Problem with Microsoft zip extractor (...)  
FSM & Modal Model Menu selections do (...)  
add unit info to eml2Data source actor  
port's context menu should contain renaming  
actor search term should be trimmed (...)  
Actor names inconsistent  
Distributed Execution Tracking Bug  
Way to temporarily comment out actors (...)  
Add data structure for tabular data (...)  
Kepler Library (actor repository) Issues  
Changes in actor ontology does not cause (...)  
file|open dialog should open in workflows (...)  
Icons stop working after using kepler (...)  
Need for new IPCC/Hydro1K data (and (...)  
Save in Library Dialog problem with (...)  
Need ASC grid Utilities actor  
actor sdk  
add data mining actors (weka) and cheminformatics (...)  
Out of memory while opening all demos, (...)  
Web page rendering needs to be made (...)  
dataFrame\_R cache problem under parallels  
cannot add arbitrary jars when exporting (...)  
Use EcoGridServicesController with EcoGridWriter (...)

RBNBToKepler actors need to timeout (...)  
RBNBToKepler actors should work within (...)  
progress meter when downloading data (...)  
Return/Enter does not select default (...)  
RExpression actor does not share focus  
CommandLineExec needs ability to kill (...)  
behavior of documentation actor  
add actors to support Sun Grid  
Kepler should have FSM examples  
gdalTranslate actor crashes on bad format (...)  
consolidate matlab actors  
add netCDF support to Kepler  
"Save" from TextEditor interferes with (...)  
offset new windows  
save new workflow template  
interactive graphics in R  
Eval: subplots from RExpression overly (...)  
Kepler need a central place to handle (...)  
Matrix Viewer actor does not accept (...)  
3-way table output (multiway cross tabulation (...))  
Add an Edit, Select All menu item and (...)  
ascToRaw needs more error handling  
ENM/GARP\_MultipleSpecies-V.xml problems  
EML200DataSource interface  
Search result count is inflated when (...)  
DarwinCore\_test workflow takes forever (...)  
IPCC\_ChangeNightlyBuildTest got an exception  
ENM/GDAL\_h1K\_NS workflow giving an exception  
Python/Ptoleimizer welcome text does (...)  
"configure actor" dialog box changes (...)  
parameters lose their Display Name when (...)  
error running simihofi.xml workflow (...)  
Need scrollbars in Documentation > Customize (...)  
reset debugging windows, add timestamps

**create icon for DDF Boolean Select**  
**add Up and Down buttons to change port (...)**  
**Save As dialog inconsistent between (...)**  
**wierd behaviors of port parameter**  
**Automatically load trace for a completed (...)**  
**Annotation elements in trace file do (...)**  
**enhancements to Trace File view in provenance (...)**  
**Provide data dependency graph view in (...)**  
**Store each workflow run trace in it's (...)**  
**month field in trace file name is off (...)**  
**Color-code contents of CollectionDisplay**  
**order collection contents displayed (...)**  
**support for writing COMAD-style trace (...)**  
**Support for importing file contents (...)**  
**Support for importing directory contents (...)**  
**A representation of COMAD collections (...)**  
**support for accessing cascading metadata (...)**  
**FilterUI actor has problems**  
**optimize timing of data download by (...)**  
**Provide API for creating output files (...)**  
**Exporting an actor should prompt user (...)**  
**Ensure all Provenance Recording Types (...)**  
**create a Workflow Run Manager with ability (...)**  
**Define contents of "Publication Ready (...)**  
**Configurable workspace directory for (...)**  
**MultilInstanceComposite actor deadlocks (...)**  
**Sharing installation among users fails, (...)**  
**some actor icons don't denote that they (...)**  
**Add "Open the container" toolbar button**  
**composite's ports cannot be renamed (...)**