

# Kepler

|  | 2023-9 |    |    |    | 2023-10 |    |    |    | 2023-11 |    |    |    | 2023-12 |    |    |    | 2024-1 |   |   |   | 2024-2 |   |   |   |   |
|--|--------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|--------|---|---|---|--------|---|---|---|---|
|  | 36     | 37 | 38 | 39 | 40      | 41 | 42 | 43 | 44      | 45 | 46 | 47 | 48      | 49 | 50 | 51 | 52     | 1 | 2 | 3 | 4      | 5 | 6 | 7 | 8 |
| <b>Kepler</b><br>actor classes not saved properly in KAR files<br>GenericJobSubmission actor sometimes runs (...)<br><b>Kepler - 2.0.0</b><br>Provide a toggle for automatic updates<br><b>Kepler - 2.4.0</b><br>Model Context Menu should have the enableBackwardTypeInference (...)<br><b>Kepler - 2.X.Y</b><br>windows mouse wheel doesn't scroll canvas<br>Get the R actor working with JNI<br>Additional information for 64-bit users (...)<br>RExpression2 - tracking for backwards (...)<br>update documentation to explain adding (...)<br>make a new module called globus to host (...)<br>Get error message when too much code (...)<br>Import actor that already exists appends (...)<br>create developer documentation for svn (...)<br>UserInteractiveShell message<br>No reset/x button to clear component (...)<br>Java Package Ontology (e.g. to facilitate (...)<br>here are some new svg icons for actors<br>Need resource manager to handle objects (...)<br>make kepler use OSX dialog boxes<br>Kepler changes property position in (...)<br>Workflow Run Manager - Open in New Window (...)<br>port names are displayed twice<br>report-overrides<br>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 (...)  
Add a test suite for the build system  
RExpression output ports search entire (...)  
Ctrl+E operates on mouse position, not (...)  
ant update produces message about running (...)  
workflow canvas does not repack to fill (...)  
Separate user error messages from developer (...)  
Develop GUI error handling strategy.  
Develop strategy for using assertions (...)  
Separate the GUI from the execution (...)  
The main menu bar should not change (...)  
Menu items should display the same icon (...)  
Run, Pause, and Stop should be in the (...)  
Kepler should meet established accessibility (...)  
Create advanced toolbar support.  
All open Kepler windows should be visible (...)  
The GUI should sensibly support internalization.  
Kepler needs to be evaluated to determine (...)  
Animate at Runtime" checkbox stays checked (...)  
ValueListeners receive valueChanged (...)  
Add the "send to back" menu to kepler  
change-to command checks out across (...)  
build system needs to provide more information (...)  
rearrange the actors module into smaller (...)  
Enable the build system to work on multiple (...)  
variable setter seems to lock Kepler (...)  
Kepler gets slow under XP  
pipe highlighting under "Animate at (...)  
DataTurbine actor - instantiating actor (...)  
RExpression problems with named non-numeric (...)

**EML 2 Dataset requires File Extension (...)**  
**Export Archive actions should share (...)**  
**Workflow Run Manager - add ability to (...)**  
**test for moving kepler directory**  
**Configuring ports**  
**SDF Director cannot schedule when composite (...)**  
**have to manually click Build to rename (...)**  
**String Replace actor "remembers" previous (...)**  
**icon overlays not showing up for actors (...)**  
**Model Reference throws error with workflows (...)**  
**integrate, and separate from save/export, (...)**  
**CacheManager.getObject(KeplerLSID Isid) (...)**  
**Workflow Run Manager - tagging causes (...)**  
**ImageJ creating folders based on file (...)**  
**Make aesthetic changes to tagging interface**  
**EML 2 Dataset automatically updating (...)**  
**add support for -Drev to ant change-to**  
**memory usage & slowdowns**  
**New documentation on modules and extension (...)**  
**WorkflowRunManager search cells are (...)**  
**Reminder Bug Update FAQ to reflect Kepler (...)**  
**Reminder Update Wiki information to (...)**  
**support provenance in master-slave 2.0**  
**Allow params to be passed to ConfigurationManager (...)**  
**RFE speed up Suggest Similar Components (...)**  
**Create Ontology\_Catalog sql table in (...)**  
**run google earth within kepler gui**  
**Standardize workflow parsing to get (...)**  
**move cache object from 1.0 to 2.0**  
**out of memory**  
**No "Get Metadata" item on right-click (...)**  
**User log4j files**  
**GDALTranslate does not work on Windows (...)**  
**changes made to workflows during dialogs (...)**

**RExpression - recursively handle arrays**  
**Need more command line options for kar (...)**  
**actor/director/attribute .xml file documentation (...)**  
**tag removal sends two tagRemoved events (...)**  
**dynamically change toolbar buttons**  
**Remote Components category sticks around (...)**  
**Create additional 'module' property (...)**  
**Items with the same LSID show with the (...)**  
**RExpression2 actor will fail if the (...)**  
**Add a menu to add and configure new (...)**  
**Can't clean (or do other build system (...)**  
**The introduction of basic services so (...)**  
**Investigate jars (why they are necessary) (...)**  
**The ability to create user manuals from (...)**  
**Fix the module manager so it can show (...)**  
**Minimize the number of files downloaded (...)**  
**A system for adding and removing GUI (...)**  
**adding and removing configuration properties (...)**  
**Save As... closes all windows associated (...)**  
**To exclude a file or directory requires (...)**  
**uploading a workflow requires a refresh**  
**Develop clear criteria for when code (...)**  
**test kepler for memory leaks**  
**component search performance is poor**  
**cannot open 1.0 KARs**  
**originModule not always set**  
**2.2 rc3: getenv("") doesn't work for (...)**  
**Add optional Console view**  
**Integrate Kepler Wiki Into Kepler Help**  
**Kepler can't run workflow if two instances (...)**  
**On Ubuntu, Kepler can disappear from (...)**  
**EML 2 Dataset actor EML File and Data (...)**  
**Make UI improvements to Components Download**  
**Get newest version of local files in (...)**

**R**Expression forces pdf if 'automatically (...)  
interacting with kepler.sh to know the (...)  
List all possible port types in actor (...)  
kar uploading should need user account.  
Switching some of the add-on modules (...)  
Geon Scp and spa Ssh2Exec have duplicate (...)  
Check for duplicate code  
Build system needs a target to build (...)  
ontology classes require unique label  
investigate alternatives to workflow (...)  
remove configs/.../configuration.xml (...)  
parameter choices are not saved  
Change the workflow scheduler server (...)  
Actor Reference documentation  
saving xml to existing file asks twice (...)

#### 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/Ptolemy 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 (...) Improve menu options in text editor Hello World demo causes UI to become (...) Unclear Java requirements for Kepler (...) actor icons prevent channel connectors (...) Cannot open a workflow through the command (...) web service actor does not work through (...) Use Java logging utilities instead of (...) The error dialogue won't go away. Exported KAR files do not correctly (...)

error importing hello-world tutorial (...)  
error importing more than one actor (...)  
External script editors  
RExpression2 - handle arbitrary R data (...)  
Support for non-GUI Kepler installer.  
MoMLSimpleApplication does not filter (...)  
matlab actor always stops matlab process (...)  
synchronization in matlab actor  
ComadTest should report more details (...)  
Should be able to store native libraries (...)  
Do more extensive testing before designating (...)  
Workflow Run Manager - Open in New Window (...)  
Workflow Run Manager - resizing width (...)  
Workflow Run Manager - search cell edit (...)  
wrapping up, never ending workflow! (...)  
add command line params to the configuration  
wrn does not properly handle ModelReference (...)  
can't view more than one of workflow (...)  
Kepler - Postpone  
New token type: By Reference / By Value  
Report Designer - Menus with Copy, Cut, (...)  
printing from the report viewer prints (...)  
Kepler - SanParksRelease  
need a way to uniquely identify actor (...)  
Add metadata to data tokens so that (...)  
Change RExpression plotting actors to (...)  
Ability to join tables within same EML (...)  
Ability to join tables \_across\_ EML (...)  
Kepler - Unspecified  
ProvenanceRecorder.changeExecuted slow (...)  
RExpression & cache cleaning  
add output port to Throw Exception  
Kepler storing authenticated search (...)  
[right click]->Save Archive (KAR) on (...)

local repository KAR [right click]->Delete (...)  
Need a target to build kepler-styles.jar  
RExpression does not handle matrix tokens (...)  
searching for packages with the same (...)  
RExpression replaces ) in string vectors (...)  
RExpression cannot output matrix of (...)  
RExpression outputs [false] for any (...)  
If a module is added to a configuration, (...)  
Actor documentation: updates ignored, (...)  
Failing to download a dependent module (...)  
Certain non-user triggered actor icon (...)  
ant installer fails under Linux  
highlighted OK button in 'Animate at (...)  
Users should be able to build installers (...)  
All workflows that do not work should (...)  
Kepler 2.1 Tracking Bug  
Develop an approval process for patches  
Create an ant task to display commits (...)  
Remove println from XSLTActor  
kar file saving problems.  
errors to save an actor as kar if its (...)  
kar files are not openable if they are (...)  
Errors when saving more than one actors (...)  
Kepler quits with JVM error (no use-case (...)  
Items of Interest pane in reporting (...)  
Enhance displaying workflow in kepler (...)  
GUI should make apparent unsaved changes  
When File -> Exit is chosen Kepler (...)  
Module Manager reacts badly to dot files (...)  
Help | Module Documentation is empty  
kepler start exception when soft links (...)  
Changing a ptolemy.kernel.util.Attribute (...)  
Dragging modified version of Sinewave (...)  
Selectordialog and Case actors do not (...)

No-gui mode needs a way to access private (...)  
NPE on restart using newly created suite  
Change report instance margins from (...)  
rendered west and east dynamic item (...)  
can't drag using report designer item (...)  
Report designer - make "+ Get Image..." (...)  
Report designer - make north and south (...)  
Report designer - make dynamic report (...)  
Report designer - fix drag and drop (...)  
Closing last workflow window closes (...)  
Need to fix documentation system  
Workflow Run Manager - launch Provenance (...)  
If a user chooses "no metadata" as output (...)  
In Database Query actor, the output (...)  
In Database Query actor, the output (...)  
Miss a dollar sing (\$) when an actor (...)  
Kepler ships open source software and (...)  
invocation problems with Distributed (...)  
Workflow archiving dataturbine data (...)  
Put kepler-server war file and kepler (...)  
passing string into a parameter for (...)  
Make the eml actor on kepler handle (...)  
Module manager should run patch checker (...)  
Another Kepler GUI will nuke the ~/.kepler/cache (...)  
If Kepler-2.2 is running, then opening (...)  
Eclipse uses different .class files (...)  
Kepler crashes on startup with NoClassDefFoundError  
Build system doesn't recompile using (...)  
Add reverse index in ArrayElement  
Add key bind to GUI to avoid connecting (...)  
Replace hardcoded path separator with (...)  
Add kepler-tasks target to build.xml (...)  
Curation Package User Manual PDF  
Create a Date To Long actor

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| <p>Add date format E MMM d HH:mm:ss zzz (...)</p> <p>use setDefaultWidth in actors</p> <p>Kepler UI freezes after Login Anonymously</p> <p>LinearModel actor doesn't handle input (...)</p> <p>String index out of range in R actor</p> <p>Build system should not require svn (...)</p> <p>possible to get NPE when right-clicking (...)</p> <p>ant update ptolemy -Drev=stable doesn't (...)</p> <p>reevaluate how opening kars vs. XML (...)</p> <p>see if runtime monitor module can be (...)</p> <p>Workflow Run Manager tries to connect (...)</p> <p>java -jar sensorview-utils-1.0.jar should (...)</p> <p>if user has newer version of module (...)</p> <p>The patch downloader dialog can fail (...)</p> <p>problems with updateActorDocs</p> <p>Values not committed to actors</p> <p>decide on issuing patches so older versions (...)</p> <p>more automatic module update process.</p> <p>Workflow Run Manager can fail to Force (...)</p> <p>Add ModelRepaintController to the Kepler (...)</p> <p>Display actor's suppressBlankLines parameter (...)</p> <p>Fix Kepler Javadoc warnings</p> <p>Kepler - reporting-2.X.Y</p> <p>Workflow Run Manager - ability to import (...)</p> <p>Workflow Run Manager column "Workflow (...)</p> <p>Ability to save just a report instance</p> <p>ability to create a Site Layout report</p> <p>Arrow key navigation of Workflow Run (...)</p> <p>Improve solution to avoid ConcurrentModificationException (...)</p> <p>RIO pdfs don't show up in the Component (...)</p> <p>Report instance does not show in viewer (...)</p> <p>Report Layout interface is confusing (...)</p> <p>test kepler and wrp for memory leaks</p> <p>Fix remaining issues with exporting (...)</p> |  |
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| <p>Set uploadToServer to be true at configuration.xml</p> <p>Workflow Run Manager - include provenance (...)</p> <p>large run deletion via the WRM with (...)</p> <p>error when running -nocache and no .kepler</p> <p>improve default provenance store performance</p> <p>Workflow Run Manager error downloading (...)</p> <p>use input and output port icons in Items (...)</p> <p>associate timezones with all timestamps (...)</p> <p>once timezones are added to provenance, (...)</p> <p>Kepler - sensor-view-1.x.y</p> <p>create icons for engineering view components</p> <p>import &amp; export site layout to SensorML</p> <p>create wiring table gui</p> <p>search for site components in kepler's (...)</p> <p>create gui to access datalogger program</p> <p>Data processing on the GPP</p> <p>add lat/lon to sensor metadata and use (...)</p> <p>link workflow in components tree to (...)</p> <p>update existing site layout with span (...)</p> <p>Focus stolen from user trying to drag (...)</p> <p>Plotting bugs</p> <p>fix Import Sensor Site and Export Site (...)</p> <p>Belkin f5u409 usb=&gt;serial dongle periodically (...)</p> <p>DataTurbine actor should support Start (...)</p> <p>Create a GUI so user can easily archive (...)</p> <p>spanTodt performance</p> <p>DataTurbine server memory error</p> <p>DataTurbine actor fetch time outs (blockTimeout (...)</p> <p>User can specify the interval of data (...)</p> <p>DataTurbine server crashing the JRE</p> |  |
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