

## EDIT - Issues

#	Tracker	Status	Priority	Subject	Assignee	Target version	Category	Tags
10490	feature request	New	New	Exclude syntypes from typification output if lectotype exists	Andreas Müller	Release 5.43	cdmlib	cdmlight,formatting,export,type designation
10484	bug	New	New	Advanced Search in Cichorieae does not return a result	Andreas Müller	Release 5.43	cdmlib	search
10479	feature request	New	New	[Discuss] Format hybrids with space between × and name part	Andreas Müller	Release 5.43	cdmlib	formatting,parser
10475	bug	New	New	Removing names from homotypic group does not always work	Andreas Müller	Release 5.43	cdmlib	delete,type designation
10468	bug	New	Priority14	Image reference want to display a non-existing media specimen in PhycoBank user portal	Andreas Müller	Release 5.44	cdmlib	phycobank
10464	feature request	New	New	Spring boot and modern Spring composition	Andreas Müller	Unassigned CDM tickets	cdmlib	
10429	feature request	New	New	Distinguish nomen alternativum and alternative name better	Andreas Müller	CDM UML 5.43	cdmlib	
10405	feature request	New	New	Allow synchronizing terms	Andreas Müller	Release 5.44	cdmlib	additivity,synchronization,import,terms
10350	feature request	New	New	Implement distribution algorithms to work with Tu, Tu(E) and Tu(A) in Euro+Med	Andreas Müller	Release 5.45	cdmlib	euro+med
10347	feature request	New	New	Implement et al. for names in taxon search result	Andreas Müller	Release 5.44	cdmlib	euro+med,cichorieae,formatting
10317	task	New	New	Think about flyway or liquibase for database migration	Andreas Müller	Unassigned CDM tickets	cdmlib	
10316	bug	New	New	Improve TermDto creation	Katja Luther	Release 5.45	cdmlib	
10313	bug	New	New	Default color of terms is not shown correctly in dataportal maps	Andreas Müller	Release 5.43	cdmlib	map,cichorieae
10243	bug	New	New	Unranked infraspec. can't be parsed	Andreas Müller	Release 5.44	cdmlib	parser
10238	feature request	New	New	Show accepted name for name type designations with types being synonyms	Katja Luther	Release 5.45	cdmlib	cdmlight,formatting,type designation
10226	task	New	New	Upgrade to Spring 6.x	Andreas Müller	Release 5.47	cdmlib	upgrade
10218	task	New	New	Unify cache handling in CDM platform	Andreas Müller	Unassigned CDM tickets	cdmlib	ehcache
10208	task	New	Highest	only use cacher for static terms	Andreas Müller	Release 5.45	cdmlib	terms
10188	bug	New	New	Allow moving large subtrees	Andreas Müller	Unassigned CDM tickets	cdmlib	tree-index
10178	feature request	In Progress	New	Implement fuzzy name matching	Belen Escobari	Release 5.43	cdmlib	deduplication,tettris
10162	bug	New	Highest	Problems when deleting names involved in a namerelationship	Katja Luther	Release 5.45	cdmlib	

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10131	bug	New	New	Improve media specimen formatting for type designations	Andreas Müller	Release 5.43	cdmlib	formatting,fast
10125	task	New	New	Upgrade jena dependency	Katja Luther	Release 5.45	cdmlib	5.32-Remaining
10124	task	In Progress	Priority14	Adapt deprecated hibernate methods to suggested new methods	Katja Luther	Release 5.45	cdmlib	5.32-Remaining
10109	task	New	New	Investigate best practice for HQL with enumset	Andreas Müller	Unassigned CDM tickets	cdmlib	
10104	task	New	Highest	Cleanup after hibernate v5.4.33 migration	Andreas Müller	Release 5.45	cdmlib	5.32-Remaining
10101	bug	In Progress	Priority14	Correct mapping and handling of sorted tree structures	Andreas Müller	Release 5.45	cdmlib	5.32-Remaining
10094	task	New	Priority14	Reenabel anttask for 001-cdm.h2.sql creation	Andreas Müller	Release 5.45	cdmlib	5.32-Remaining
10088	feature request	New	New	Implement bibliography parser	Andreas Müller	Unassigned CDM tickets	cdmlib	parser
10077	task	New	Priority14	upgrade ehcache to 3.x	Andreas Müller	Release 5.46	cdmlib	upgrade,5.32-Remaining
10074	feature request	New	New	Areas for common names should be a set	Andreas Müller	Unassigned CDM tickets	cdmlib	
10070	feature request	New	New	Upgrade to hibernate 6+	Andreas Müller	Unassigned CDM tickets	cdmlib	
10069	feature request	New	New	Upgrade hibernate search and lucene to hs6+ and lucene 8+	Andreas Müller	Unassigned CDM tickets	cdmlib	lucene,search
10041	feature request	New	New	Make formatting language/locale dependent	Andreas Müller	Unassigned CDM tickets	cdmlib	formatting
10022	feature request	New	New	Add Factory Class for TermVocabularies	Katja Luther	Unassigned CDM tickets	cdmlib	
9978	bug	In Progress	Highest	Change of CacheStrategy from DerivedUnitFacade to DerivedUnitDefaultCacheStrategy results in different caches for MediaSpecimen	Katja Luther	Release 5.45	cdmlib	
9964	task	New	New	Improve matching of collections	Andreas Müller	Unassigned CDM tickets	cdmlib	
9944	task	New	New	Move further methods from DescriptionService to DescriptionElementService	Andreas Müller	Release 5.45	cdmlib	
9941	task	In Progress	New	[DISCUSS] Formatting of type designation categories in compact type string	Andreas Müller	Release 5.43	cdmlib	specimen,formatting,type designation,phycobank
9940	task	In Progress	New	Handle type category formatting in compact typification strings	Andreas Müller	Release 5.43	cdmlib	specimen,formatting,type designation,phycobank strings
9930	task	New	New	Check rounding rules for geo coordinates	Andreas Müller	Unassigned CDM tickets	cdmlib	
9922	task	New	New	Do not save Image Server thumbnails indicating an not-existing image	Andreas Müller	Release 5.45	cdmlib	image-viewer
9886	task	In Progress	New	Create cdmlib modul cdmlib-api	Andreas Müller	Release 5.45	cdmlib	

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9885	bug	New	Priority14	Write tests for all rowWrapper issues	Katja Luther	Unassigned CDM tickets	cdmlib	
9876	bug	New	New	If no distribution has a status the mapUriParams are missing required parameters	Andreas Müller	Unassigned CDM tickets	cdmlib	geotools,map
9874	bug	New	New	Calculate endemism automatically for higher levels (in cuba)	Andreas Müller	Unassigned CDM tickets	cdmlib	
9865	feature request	New	New	Formatter for common names of a taxon	Andreas Müller	Release 5.47	cdmlib	formatting,cdmlight,salvador,caryophyllales
9853	feature request	New	New	[DISCUSS] Integrate collecting areas into fieldUnit/derivedUnit titleCache (or citation)	Andreas Müller	Unassigned CDM tickets	cdmlib	salvador,formatting
9845	bug	New	New	Find a solution to keep "isOrphaned" in sync (java based and hql based)	Katja Luther	Unassigned CDM tickets	cdmlib	
9842	task	In Progress	Highest	Improve performance for loading DDS (RowWrapperDTO)	Katja Luther	Release 5.44	cdmlib	additivity,matrix,performance
9829	feature request	New	New	Secure writing methods for CdmPreferences with role Role_Project_Manager	Andreas Müller	Release 5.45	cdmlib	security,preferences,fast
9822	task	New	New	Improve performance for DDS aggregation	Andreas Müller	Release 5.47	cdmlib	additivity,aggregation
9810	task	New	New	Test if BigDecimal algebra is correct in PolytomousKey algorithms	Andreas Müller	Release 5.47	cdmlib	additivity,key
9804	feature request	New	New	Further enhance description aggregation	Andreas Müller	Release 5.47	cdmlib	additivity,aggregation
9781	bug	New	Highest	Merge of QuantitativeData or CategoricalData from Character Matrix should not create new records	Katja Luther	Release 5.45	cdmlib	additivity
9755	feature request	In Progress	Priority14	Open issues for cultivar handling	Andreas Müller	Reviewed Next Major Release	cdmlib	cultivar,mexico
9742	bug	New	Highest	embedded h2 database in server mode for connection pooling	Andreas Müller	Release 5.45	cdmlib	h2
9712	feature request	New	Highest	Handling non image media in IIIF manifests	Andreas Kohlbecker	Release 5.45	cdmlib	mexico,iiif
9703	bug	Resolved	New	Improve handling of type designations with no status in TypeDesignationSetManager	Katja Luther	Release 5.25	cdmlib	formatting,type designation
9694	feature request	New	New	Validation Framework light	Andreas Müller	Release 5.46	cdmlib	validation
9677	feature request	New	New	Implement recombine operation	Andreas Müller	Release 5.45	cdmlib	
9668	bug	In Progress	Highest	Secundum reference is switched when swap synonym and accepted taxon	Katja Luther	Release 5.45	cdmlib	
9633	bug	New	Priority13	startup option to create an initial classification	Andreas Kohlbecker	Release 5.45	cdmlib	
9632	bug	New	New	Handle putXXX and remove with aspectj where necessary	Andreas Müller	Unassigned CDM tickets	cdmlib	

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9610	bug	In Progress	Highest	MediaMetadataFileReader (formerly in CdmlmageInfo) loads same image file multiple times	Katja Luther	Release 5.43	cdmlib	performance
9608	bug	New	Highest	UriUtils to use HTTP HEAD requests where possible	Katja Luther	Release 5.43	cdmlib	performance
9600	bug	In Progress	New	Delete of taxon with unselected name delete returns warning	Katja Luther	Release 5.45	cdmlib	
9596	feature request	In Progress	Highest	Open issues for TypeDesignationWorkingSet	Andreas Müller	Release 5.43	cdmlib	formatting,type designation
9592	feature request	New	Priority14	SpecimenOrObservationBaseDTO: field for hidden derivatives	Andreas Kohlbecker	Release 5.45	cdmlib	specimen
9559	bug	New	New	OccurrenceServiceImpl.findRootUnitDTOs() and related methods suppress unpublished units	Andreas Kohlbecker	Release 5.46	cdmlib	security,specimen
9551	bug	Resolved	New	Recognize "series" in article parsing	Andreas Müller	Release 5.22	cdmlib	parser
9543	bug	New	Priority13	Revise, harmonize media list in SpecimenOrObservationBaseDTO vs. DerivedUnitFacade.getMediaTextData()	Andreas Kohlbecker	Release 5.46	cdmlib	specimen-page,specimen
9524	task	In Progress	Highest	Use non-model objects in database queries for getDistributionInfoFor	Andreas Müller	Release 5.43	cdmlib	euro+med,performance
9508	feature request	New	Priority13	OpenID Connect 1.0 authentication with ORCID	Andreas Müller	Phycobank ready for submitters	cdmlib	phycobank,OAuth2,phycobank-ready-for-submitters
9502	feature request	Resolved	Highest	Implement subarea preference rule and fallback areas for areas with complex hierarchy	Andreas Müller	Release 5.39	cdmlib	euro+med
9500	feature request	Feedback	Priority14	Allow removing certain distribution status from distribution publication	Andreas Müller	Release 5.42	cdmlib	euro+med
9487	feature request	New	New	Split state (and/or other big) vocabularies	Andreas Müller	Release 5.45	cdmlib	additivity
9454	task	New	New	[DISCUSS] Decide on using dozer or similar frameworks for mapping DTOs	Andreas Müller	Unassigned CDM tickets	cdmlib	
9439	feature request	New	Highest	Split PreferencePredicates depending on their type	Andreas Müller	Unassigned CDM tickets	cdmlib	preferences
9431	task	New	Highest	OccurrenceServiceImpl._findRootUnitDTO(..)	Andreas Müller	Release 5.45	cdmlib	specimen
9430	task	New	Priority13	revise OccurrenceServiceImpl._findRootUnitDTO(..) supports multiple origin paths	Andreas Kohlbecker	Release 5.46	cdmlib	specimen
9424	bug	New	Highest	CdmlmageInfo connection timeout implemented	Andreas Kohlbecker	Release 5.45	cdmlib	
9420	feature request	New	New	Harmonize Update- and ImportResult	Katja Luther	Release 5.47	cdmlib	
9416	task	New	New	Improve distribution editor sort methods	Andreas Müller	Unassigned CDM tickets	cdmlib	
9363	feature request	New	New	Allow to parse the new team when converting person to team	Andreas Müller	Unassigned CDM tickets	cdmlib	

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9349	bug	New	New	Open issues for classification cloning	Andreas Müller	Release 5.46	cdmlib	
9317	bug	In Progress	Highest	Handle NameTypeDesignations on name basis not on homotypic group basis in outputs	Andreas Müller	Release 5.43	cdmlib	
9310	bug	New	New	Deleting a taxon with all synonyms fails for the basionym	Katja Luther	Unassigned CDM tickets	cdmlib	
9302	bug	In Progress	New	Phycobank related issues for TypeDesignation formatting	Andreas Müller	Release 5.45	cdmlib	formatting
9293	task	New	Priority14	Use use DTO for Set<IdentifiableSource> sources in SpecimenOrObservationBaseDTO	Andreas Kohlbecker	Release 5.46	cdmlib	
9276	task	New	Priority14	improve DerivateDataDTO	Andreas Kohlbecker	Release 5.46	cdmlib	specimen
9268	task	New	New	Check cdm for GC G1 humongous objects problem	Andreas Müller	Release 5.44	cdmlib	performance
9223	bug	Resolved	Highest	make changes of nomenclatural references detectable again in TaxonGraphBeforeTransactionCompleteProcess	Andreas Müller	Release 5.18	cdmlib	
9214	bug	New	New	It is not possible to create a new schema in h2 database	Andreas Müller	Release 5.46	cdmlib	
9203	task	New	Highest	Filter out generated MediaRepresentations if a part with exactly the same URL already exists.	Andreas Kohlbecker	Release 5.45	cdmlib	
9201	task	New	Highest	Titelcache creation for nested collections - DISCUSS	Andreas Kohlbecker	Release 5.45	cdmlib	
9200	feature request	New	New	extend application possibilities of MediaService.readResourceMetadataFiltered()	Andreas Kohlbecker	Release 5.46	cdmlib	
9159	feature request	New	New	Add page matching to parsed reference matching	Andreas Müller	Unassigned CDM tickets	cdmlib	
9158	feature request	New	New	Handle identiy matching in matching framework	Andreas Müller	Unassigned CDM tickets	cdmlib	
9157	bug	In Progress	New	Further improve deduplication of names	Andreas Müller	Release 5.46	cdmlib	
9153	feature request	New	New	Handle additional information in image metadata	Andreas Kohlbecker	Release 5.46	cdmlib	
9150	task	New	New	Test if the overriding of setTitleCache in Media class makes really sense	Andreas Müller	Release 5.46	cdmlib	
9086	feature request	New	New	Throw exception during schema generation if an exception occurs	Andreas Müller	Unassigned CDM tickets	cdmlib	
9069	bug	New	New	Remove orphan single sources	Andreas Müller	Unassigned CDM tickets	cdmlib	
9068	feature request	New	New	Parser for ExtendedTimePeriods	Andreas Müller	Release 5.46	cdmlib	
9014	task	In Progress	New	Unparsable name strings	Andreas Müller	Release 5.45	cdmlib	parser
8977	feature request	New	New	Allow filtering webservices on multiple taxon subtrees	Andreas Müller	Unassigned CDM tickets	cdmlib	

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8967	feature request	New	New	Improve label for cloned descriptions	Andreas Müller	Release 5.45	cdmlib	additivity,formatting
8907	task	Resolved	Highest	replace UuidAndTitleCacheTaxonComparator by type save implementation	Andreas Müller	Release 5.14	cdmlib	
8882	bug	New	New	adapt search to handle protected or not protected titleCaches	Katja Luther	Release 5.46	cdmlib	
8871	task	In Progress	Priority14	Remaining issues to unify description aggregation methods	Andreas Müller	Release 5.46	cdmlib	euro+med,additivity,transmission-engine-distribution
8835	task	New	New	DISCUSS if the UPDATE & DELETE permission strategy should become a general principle in the cdmlib	Andreas Kohlbecker	Release 5.46	cdmlib	permission,euro+med
8814	bug	New	New	Clean implementation for permissions with combination of Taxonnode and other permissions	Katja Luther	Release 5.46	cdmlib	
8793	bug	New	New	[E+M] In-Ref authors should have full (non-abbreviated) author title without initials	Andreas Müller	Euro+Med post migration	cdmlib	euro+med
8788	bug	Feedback	Highest	Cloned descriptions do not show up in dataportal anymore	Andreas Müller	Release 5.12	cdmlib	additivity
8772	feature request	New	New	Recognize Character duplicates	Andreas Müller	Unassigned CDM tickets	cdmlib	additivity,validation
8762	feature request	New	New	[DISCUSS] Do we need/want to report a count for missing data in aggregated descriptions	Andreas Müller	Unassigned CDM tickets	cdmlib	additivity
8750	feature request	New	New	Write tests for service layer methods getting the specimens for an associated taxon	Katja Luther	Unassigned CDM tickets	cdmlib	
8681	bug	In Progress	Highest	Fix sect. parsing	Andreas Müller	Release 5.45	cdmlib	parser
8680	feature request	New	Priority14	Unify long running tasks framework	Andreas Müller	Release 5.46	cdmlib	transmission-engine-distribution,additivity,remotimg
8672	task	In Progress	Highest	Source handling during (distribution) aggregation	Andreas Müller	Release 5.46	cdmlib	transmission-engine-distribution,euro+med,aggregation
8669	bug	New	New	Permission problems when caches are updated without permission	Andreas Kohlbecker	Unassigned CDM tickets	cdmlib	permission,euro+med
8506	task	New	New	Remove the UpdatableRoutingDataSource, related classes and configuration	Andreas Müller	Unassigned CDM tickets	cdmlib	
8496	bug	New	New	Improve public setters for entity collections	Andreas Kohlbecker	Unassigned CDM tickets	cdmlib	
8487	feature request	New	New	Report results of set publish	Andreas Müller	Unassigned CDM tickets	cdmlib	euro+med
8483	task	New	Priority14	Return EnumSets in EnumeratedTermVoc.getGeneralizationOf and similar methods	Andreas Müller	Release 5.46	cdmlib	
8473	bug	New	New	Migrate from GrantedAuthoritiesImpl to CdmAuthority and Role	Andreas Kohlbecker	Unassigned CDM tickets	cdmlib	

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8469	feature request	In Progress	Highest	Open PolytomousKeyGenerator issues	Andreas Müller	Release 5.46	cdmlib	additivity
8437	task	Resolved	Priority14	ITermTreeService provides a list method which supports filtering by TermTree.termType,	Andreas Müller	Release 5.9	cdmlib	
8435	task	New	New	Reduce logging amount of exports and other long running tasks	Katja Luther	Unassigned CDM tickets	cdmlib	
8432	feature request	In Progress	Highest	Improve "default" feature tree handling	Andreas Müller	Release 5.46	cdmlib	
8417	bug	New	New	LazyInitializationException in TermDTO for media	Andreas Müller	Release 5.45	cdmlib	additivity
8311	bug	New	New	fix creation of geo webservice string for multi-area mappings with different fields	Andreas Müller	Euro+Med Portal Release	cdmlib	euro+med
8301	task	New	New	Test family editor rights	Andreas Müller	Euro+Med TaxEditor issues	cdmlib	euro+med,security
8255	feature request	New	New	Unify ReferencePropertyDefinitions and reference interfaces	Andreas Müller	Unassigned CDM tickets	cdmlib	
8248	feature request	In Progress	Priority14	Implement OWL import	Andreas Müller	Release 5.45	cdmlib	additivity
8237	bug	New	New	Cache updating sometimes does not work as expected for references and names	Andreas Müller	Unassigned CDM tickets	cdmlib	
8187	feature request	New	Priority13	Use Spring Environment instead of custom code in AbstractWebApplicationConfigurer	Andreas Kohlbecker	Release 5.46	cdmlib	
8183	bug	In Progress	Highest	Make Feature IndividualAssociation a generalization of Specimen and Observation	Andreas Müller	CDM UML 5.43	cdmlib	
8174	bug	New	Priority14	First test fails if term data is in loaded DataSet	Andreas Müller	Release 5.46	cdmlib	test
8170	bug	New	New	javax.sql.DataSource.getConnection() implementation in WrappedCdmDataSource does not conform to the interface	Andreas Müller	Unassigned CDM tickets	cdmlib	
8169	bug	New	New	avoid factory.openSession() in DaoBase	Andreas Müller	Unassigned CDM tickets	cdmlib	
8139	feature request	Resolved	Highest	[Rule] Validate lectotype sources	Andreas Müller	Validation Framework 1.0	cdmlib	
8127	task	Discussed	Highest	[Reminder] to check if Hibernate Null Value bug still exists	Andreas Müller	Reviewed Next Major Release	cdmlib	
8126	bug	New	Highest	Mediarepresentations should not be shown in Referencing objects view	Andreas Müller	Reviewed Next Major Release	cdmlib	
8118	task	Feedback	Priority14	Update MySQL drivers	Andreas Müller	Release 5.46	cdmlib	
8116	bug	New	New	ProgressMonitorManager: logging instead of System.err	Katja Luther	Unassigned CDM tickets	cdmlib	

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8025	bug	New	New	IOException unhandled in eu.etaxonomy.cdm.common.media.ImageInfo.readMetaData(...)	Andreas Kohlbecker	Unassigned CDM tickets	cdmlib	
8010	feature request	New	New	[RULE] Validate allowDuplicates for FeatureTrees/TermGraphs	Andreas Müller	Validation Framework 1.0	cdmlib	
7988	bug	New	Highest	Correct formatting and parsing of Reference.editor	Andreas Müller	Release 5.44	cdmlib	formatting,parser,greece,euro+med
7986	task	New	New	Let eu.etaxonomy.cdm.model.reference.ReferencePropertyDefinitions use Reference interfaces	Andreas Müller	Unassigned CDM tickets	cdmlib	
7982	feature request	New	Priority14	[Rule] Validate correct usage of reference attributes for reference types.	Andreas Müller	Validation Framework 1.0	cdmlib	validation
7958	task	New	New	General concept for a flexible and generic entity and dto formatter framework in the cdmlib	Andreas Müller	Unassigned CDM tickets	cdmlib	formatting
7955	task	New	New	Concept for centralizes init strategies	Andreas Müller	Unassigned CDM tickets	cdmlib	
7953	bug	Feedback	New	Book in BookSeries: incomplete titleCache misses series title	Andreas Müller	Release 5.7	cdmlib	phycobank,formatting
7932	feature request	Resolved	Priority14	Implement subject resolver for CdmPreferences	Andreas Müller	Release 5.46	cdmlib	preferences
7879	bug	New	New	Book CacheStrategy does not show 'place published', 'publisher', 'editor'	Andreas Müller	Release 5.44	cdmlib	phycobank,formatting
7864	feature request	New	Highest	Use short forms in cache strategy for DescriptionBase	Andreas Müller	Reviewed Next Major Release	cdmlib	
7861	feature request	In Progress	Priority14	TaxonGraphHibernateListener: inject the ITaxonGraphDao into TaxonGraphBeforeTransactionCompleteProcess	Andreas Müller	Release 5.45	cdmlib	5.32-Remaining,phycobank
7858	bug	New	Priority14	names used in the TaxonGraph can not be deleted if the user has no DELETE permission on Taxon	Andreas Müller	Reviewed Next Major Release	cdmlib	permission,phycobank
7837	feature request	New	New	Implement export to .docx for feature tree editor	Andreas Müller	Unassigned CDM tickets	cdmlib	export,additivity
7832	bug	New	Highest	rename RegistrationStatus READY to COMPLETE	Andreas Kohlbecker	Reviewed Next Major Release	cdmlib	phycobank
7818	bug	Feedback	Priority14	TaxonRelationshipsDTOTest leaves test environment in unpredictable state	Andreas Müller	Release 5.4	cdmlib	test
7776	feature request	Resolved	New	Add source of descriptive data set to SpecimenDescriptions added to it	Andreas Müller	Release 5.4	cdmlib	
7756	bug	Feedback	Highest	org.hibernate.QueryException in portal/taxon/{uuid}/subtree/media.json webservice related to relation direction param in prepareTaxonRelationshipQuery()	Andreas Müller	Release 5.3	cdmlib	
7731	bug	New	New	service method for moving descriptions should not move image galleries	Katja Luther	Unassigned CDM tickets	cdmlib	



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7729	bug	New	New	potential ehcache CacheConfiguration problem	Andreas Kohlbecker	Unassigned CDM tickets	cdmlib	ehcache
7716	bug	In Progress	Highest	Apply description sources (references) for a DescriptionBase to all included description elements	Andreas Müller	Release 5.44	cdmlib	additivity
7709	bug	Feedback	Highest	CdmTransientEntityCacher cannot handle multiple unpersisted entities of the same type	Katja Luther	Release 5.16	cdmlib	
7666	feature request	In Progress	Highest	Remaining issues for "Formatter and DTO for taxon relationships (e.g. misapplied names)"	Andreas Müller	Reviewed Next Major Release	cdmlib	formatting
7664	feature request	In Progress	Priority14	Use typified return types where possible	Andreas Müller	Reviewed Next Major Release	cdmlib	
7651	task	New	Priority14	RegistrationManager implemented	Andreas Kohlbecker	Reviewed Next Major Release	cdmlib	phycobank
7650	task	New	Highest	RegistrationFactory implemented	Andreas Kohlbecker	Reviewed Next Major Release	cdmlib	phycobank
7598	feature request	New	New	Grouping of Restrictions implemented	Andreas Kohlbecker	Unassigned CDM tickets	cdmlib	
7538	bug	New	Highest	Concurrent editing transaction strategy: Taxon turned into synonym by other user prior to saving taxon which was modified in editor	Andreas Müller	Unassigned CDM tickets	cdmlib	
7526	task	New	New	move IdentifiableDaoBase.findByReferenceTitle() into ReferenceDao	Andreas Müller	Unassigned CDM tickets	cdmlib	
7487	bug	Resolved	Highest	Full text misapplied name search with area filter uses fixed relation type uuid	Andreas Müller	Release 5.32	cdmlib	lucene
7483	task	New	New	MobotOpenUrlServiceWrapper throws Exceptions in case of problems		Unassigned CDM tickets	cdmlib	
7478	bug	Resolved	Highest	Fix pro parte synonym search	Andreas Müller	Release 5.1	cdmlib	euro+med,lucene
7471	bug	New	Highest	Invalid use of DefaultPager	Andreas Müller	Reviewed Next Major Release	cdmlib	
7433	feature request	Resolved	Highest	new service method to get specimen by genetic AccessionNumber	Andreas Müller	Release 5.8	cdmlib	gbol,abcd
7388	bug	New	New	inconsistent handling of null values passed to addNameRelation methods in TaxonName	Andreas Müller	Unassigned CDM tickets	cdmlib	
7377	bug	New	New	AdvancedBeanInitializer.bulkLoadLazyBeans causes autoFlush being triggered	Andreas Müller	Unassigned CDM tickets	cdmlib	
7375	bug	New	New	AdvancedBeanInitializer misses out initializing Contact details	Andreas Müller	Release 5.46	cdmlib	
7373	bug	New	Highest	TitleAndNameCacheAutoInitializer needs to be adapted to recent TaxonName model changes	Andreas Müller	Reviewed Next Major Release	cdmlib	
7357	bug	New	New	Clone methods correctly implemented for bidirectional relationships	Katja Luther	Unassigned CDM tickets	cdmlib	

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7331	bug	New	New	AdvancedBeanInitializer fails to initialize properties of preinitialized beans in the graph in very special situations	Andreas Müller	Unassigned CDM tickets	cdmlib	phycobank
7330	task	New	New	TitleAndNameCacheAutolnitializer misses out References	Andreas Müller	Unassigned CDM tickets	cdmlib	
7304	bug	New	New	Add warning to parsed references if reference type is unclear	Andreas Müller	Unassigned CDM tickets	cdmlib	
7288	task	New	New	Separate Unit and integration tests completely,	Andreas Müller	Unassigned CDM tickets	cdmlib	test
7275	feature request	In Progress	Highest	[DISCUSS] Require email address for Users	Andreas Müller	CDM UML 5.43	cdmlib	phycobank
7214	task	New	Highest	discuss unexpected method behaviors in CdmTransientEntityCacher	Andreas Müller	Reviewed Next Major Release	cdmlib	phycobank
7212	bug	Resolved	Highest	CacheLoader replaces loaded entities with uninitialized proxies	Andreas Müller	Release 4.13	cdmlib	phycobank
7203	bug	New	New	The area filter in TaxonNodeFilter seems to be slow	Andreas Müller	Release 5.44	cdmlib	performance
7202	task	New	New	[DISCUSS] Can we remove equals override from some classes directly inheriting from CdmBase	Andreas Kohlbecker	Unassigned CDM tickets	cdmlib	
7190	feature request	New	New	TaxonNodeFilter should support aggregated area filter	Andreas Müller	Unassigned CDM tickets	cdmlib	
7147	bug	New	New	GrantedAuthorityRevokingDeleteListener implemented	Andreas Müller	Unassigned CDM tickets	cdmlib	security
7138	bug	New	New	unitils.dbunit data set loading does not work for CdmIntegrationTest	Andreas Müller	Unassigned CDM tickets	cdmlib	test
7113	bug	New	Highest	Adapt SQL Server dialect to support all data types	Andreas Müller	Reviewed Next Major Release	cdmlib	
7107	bug	Discussed	Highest	"Omit level" (TDWG Level2) in distribution hierarchy should not suppress distributions source reference	Andreas Müller	Release 5.44	cdmlib	cichorieae,euro+med
7105	bug	New	New	potential dangerous use of factory.openSession()	Andreas Müller	Reviewed Next Major Release	cdmlib	
7089	task	In Progress	Highest	Rights and Roles Workshop 2017-11	Andreas Müller	Reviewed Next Major Release	cdmlib	permission
7072	feature request	New	Highest	Nomenclatural cache for References	Andreas Müller	Reviewed Next Major Release	cdmlib	
7051	bug	New	Highest	SpecimenOrObservationBase.getOriginalUnit() unimplemented but used 2x	Andreas Müller	Reviewed Next Major Release	cdmlib	
7045	bug	Feedback	Highest	portal/classification/{uuid}/childNodesOf/{uuid} service slow	Katja Luther	Release 5.43	cdmlib	performance
7033	bug	New	New	protect User class methods from unauthorized use	Andreas Kohlbecker	Unassigned CDM tickets	cdmlib	security,permission
7021	bug	Resolved	Highest	CREATE permission not sufficient to save new TaxonName entity	Andreas Müller	Release 4.11	cdmlib	permission,phycobank

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7020	feature request	New	New	Allow SpecimenOrObservationBaseVoter to make futher voting decision on base of multiple authorities	Andreas Kohlbecker	Unassigned CDM tickets	cdmlib	security
7002	bug	New	New	Delete of contig sequence not possible	Katja Luther	Unassigned CDM tickets	cdmlib	
6981	task	New	Priority14	Migrate to Java 11	Andreas Müller	Release 5.45	cdmlib	5.32-Remaining,java11
6979	bug	New	New	database inconsitent in roteliste_standardliste on test server?	Andreas Kohlbecker	Unassigned CDM tickets	cdmlib	hibernate_envers
6975	bug	New	New	improve preferred media calculation algorithm in cdmlib	Andreas Kohlbecker	Unassigned CDM tickets	cdmlib	
6963	feature request	In Progress	Highest	Implement cache strategy for cultivar plant names (done), bacterial names, fungi, etc.	Andreas Müller	Reviewed Next Major Release	cdmlib	cultivar,mexico
6956	feature request	New	New	[Rule] Implement validation rules for virus names	Andreas Müller	Validation Framework 1.0	cdmlib	
6950	feature request	New	New	Allow the usage of Viral Names	Katja Luther	Unassigned CDM tickets	cdmlib	
6946	feature request	New	Highest	configurable titleCaches for specimen	Andreas Müller	Reviewed Next Major Release	cdmlib	
6939	bug	New	New	RobotOpenUrlResponseSchemaAdapter fails parsing authors	Andreas Müller	Unassigned CDM tickets	cdmlib	
6937	bug	New	New	Check cascading of partOf named areas (throws NUOE e.g. in CoL import)	Andreas Müller	Unassigned CDM tickets	cdmlib	cascading,col,additivity
6930	bug	New	New	Tree index is null after deleting taxon and moving the children to the parent taxon	Katja Luther	Unassigned CDM tickets	cdmlib	
6920	feature request	New	Priority14	[DISCUSS] use ZonedDateTime (java8) instead of joda time	Katja Luther	Unassigned CDM tickets	cdmlib	
6890	feature request	New	New	Deduplicate supplemental data during deduplication	Andreas Müller	Unassigned CDM tickets	cdmlib	deduplication
6885	bug	New	New	UserService.loadUserByUsername() cannot find user in long running session	Andreas Müller	Unassigned CDM tickets	cdmlib	security
6859	bug	New	New	DerivedUnitFacade.newFacadeFrom() fails when occurrenceUuid references a FieldUnit	Andreas Müller	Unassigned CDM tickets	cdmlib	
6835	bug	New	New	Revise decision to color specimenOrObservations depending on there type	Andreas Müller	Release 5.43	cdmlib	
6834	feature request	New	Priority14	[DISCUSS] add inner text to Intextreferece or other ideas for easier handling of intextReferences in TaxEditor	Katja Luther	Unassigned CDM tickets	cdmlib	
6814	bug	New	Priority14	Use CSL (Citation Style Language) for formatting citations	Andreas Müller	Reviewed Next Major Release	cdmlib	
6777	feature request	New	New	Ignoriere Subgattung im Artnamen in der Suche	Andreas Müller	Unassigned CDM tickets	cdmlib	faunaEuropaea

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6774	feature request	In Progress	Priority14	Implement OWL export	Andreas Müller	Release 5.45	cdmlib	export,additivity
6756	bug	New	New	pathToTaxon missing in /taxon/<uuid>/includedTaxa response	Andreas Müller	Unassigned CDM tickets	cdmlib	
6716	task	New	New	Better handling for UserTypes in hibernate	Andreas Müller	Unassigned CDM tickets	cdmlib	
6715	task	New	New	Can we make better use of hibernate tools?	Andreas Müller	Unassigned CDM tickets	cdmlib	
6689	feature request	Resolved	Highest	Implement SchemaUpdateResult instead of boolean	Andreas Müller	CDM UML 4.7	cdmlib	
6652	bug	New	Highest	[Discuss] misapplied names: hide protologue icon	Andreas Müller	Reviewed Next Major Release	cdmlib	
6632	feature request	New	New	Implement basionym guesser for 2 taxa/names and/or a homotypical group only	Andreas Müller	Unassigned CDM tickets	cdmlib	
6605	bug	New	Highest	Repair mechanism for hibernate_sequences	Andreas Müller	Unassigned CDM tickets	cdmlib	
6602	feature request	New	Highest	Add recreation of treeindex to the tree repair mechanism	Andreas Müller	Unassigned CDM tickets	cdmlib	
6599	feature request	New	Priority10	[DISCUSS] Use logging facade instead of log4j	Andreas Müller	Unassigned CDM tickets	cdmlib	
6578	bug	Resolved	Highest	Implement name cache for hybrid formulas	Andreas Müller	Release 4.7	cdmlib	
6560	feature request	New	Priority14	Add SpecimenOrObservationType "live sample"	Andreas Müller	CDM UML 5.43	cdmlib	
6546	bug	In Progress	Highest	Adding identifier does not always work	Andreas Müller	Reviewed Next Major Release	cdmlib	
6534	feature request	New	New	Make extended details parsable	Andreas Müller	Unassigned CDM tickets	cdmlib	parser
6532	feature request	New	New	Make "&" in reference title parsable	Andreas Müller	Unassigned CDM tickets	cdmlib	
6528	bug	New	New	Exception when deleting media in media view which is also used in a MediaSpecimen	Katja Luther	Unassigned CDM tickets	cdmlib	
6516	feature request	In Progress	Highest	Add instance name and instance ID to CDM meta data	Andreas Müller	Reviewed Next Major Release	cdmlib	
6507	bug	New	New	TermBase.representations still uses add not put	Andreas Müller	Unassigned CDM tickets	cdmlib	
6501	feature request	New	New	Improve validation rules for name types	Andreas Müller	Unassigned CDM tickets	cdmlib	validation
6500	bug	New	Highest	Remaining issues for volume formating in generic references	Belen Escobari	Release 5.45	cdmlib	formatting

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6499	bug	In Progress	Highest	Remaining issues to include pages in bibliographic reference titleCaches	Andreas Müller	Release 5.45	cdmlib	formatting
6490	bug	New	New	Check code for using only single setTitleCache in Reference	Katja Luther	Unassigned CDM tickets	cdmlib	
6484	bug	New	Highest	Include all paramaters of FindOccurrencesConfigurator in HQL query	Andreas Müller	Release 5.43	cdmlib	pp_uebergabe,performance
6476	bug	New	New	Remove MediaRepresentation and MediaRepresentationPart from Referencing objects view	Andreas Müller	Unassigned CDM tickets	cdmlib	referencing-objects
6452	feature request	New	New	Deduplicate equal subareas like TDWG level 4 -00 areas	Andreas Kohlbecker	Unassigned CDM tickets	cdmlib	
6436	bug	New	New	[DISCUSS] TitleCache update strategy for related objects	Andreas Müller	Unassigned CDM tickets	cdmlib	
6428	feature request	New	New	Handle fungi authors in name parser (and model)	Andreas Müller	Unassigned CDM tickets	cdmlib	parser
6426	bug	New	New	Avoid stack overflow in self referencing references	Andreas Müller	Unassigned CDM tickets	cdmlib	
6423	bug	New	New	searching for synonyms and taxa in advanced search does not return all synonyms	Andreas Kohlbecker	Unassigned CDM tickets	cdmlib	
6422	bug	New	New	'Specified key was too long' on creating a new database	Andreas Müller	Unassigned CDM tickets	cdmlib	
6420	task	New	Highest	Autowire CdmApplicationDefaultConfiguration instead of subclasses of ICdmService	Andreas Müller	Reviewed Next Major Release	cdmlib	
6254	feature request	New	New	multi-tenancy for cdmlib	Andreas Müller	Unassigned CDM tickets	cdmlib	
6243	feature request	New	Priority14	Use a mock service for testing the loading of associated units in ABCD import test	Katja Luther	Unassigned CDM tickets	cdmlib	
6241	bug	Feedback	Highest	fix java doc problems in projects	Andreas Müller	Reviewed Next Major Release	cdmlib	jdk1.8
6237	bug	New	New	Make TreeIndex a hibernate user type	Andreas Müller	CDM UML 5.43	cdmlib	
6100	bug	In Progress	Highest	Name parser problems	Andreas Müller	Release 5.45	cdmlib	parser
6081	feature request	New	Priority14	[Specimen Search] Import report should be saved	Katja Luther	Unassigned CDM tickets	cdmlib	
6080	feature request	New	Priority13	[Specimen Search] TitleCache should be configurable	Katja Luther	Unassigned CDM tickets	cdmlib	
6078	bug	Resolved	Highest	import of references in specimen search	Katja Luther	Release 4.7	cdmlib	
6031	bug	New	New	Name parser support for multiple hybrids	Andreas Müller	Unassigned CDM tickets	cdmlib	
6025	bug	New	New	Remaining open issues for cdmlib-db	Andreas Müller	Unassigned CDM tickets	cdmlib	

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5868	bug	Feedback	Highest	re-establish support for wildcard at start of query string (includes the query string "**")	Andreas Müller	Release 5.3	cdmlib	search
5651	bug	In Progress	Highest	Automatic deduplication of teams does sometimes duplicate team members	Andreas Müller	Reviewed Next Major Release	cdmlib	
5477	bug	Resolved	Priority14	lucene index not updated in all cases after Taxon.addMisappliedName	Andreas Müller	Release 5.32	cdmlib	lucene,euro+med
5418	task	New	New	optimize lucene index if possible	Andreas Müller	Release 5.43	cdmlib	lucene,performance,search
5387	feature request	New	Highest	Completely avoid all cache strategies during read operations	Andreas Müller	Release 5.43	cdmlib	performance
5211	bug	In Progress	Highest	Error when creating new taxon /problem with sortindex in taxon tree	Andreas Müller	Release 5.46	cdmlib	
5015	feature request	New	Priority14	Use treeindex for loading of aggregated images	Andreas Müller	Release 5.43	cdmlib	performance,tree-index
4978	task	New	Highest	Further performance improvement of portal/taxon/{uuid}/media	Andreas Müller	Release 5.43	cdmlib	performance,euro+med
4962	bug	Resolved	New	improve portal/classification/{taxon_uuid}/childNodesAt/{rank_uuid} web service	Andreas Müller	Release 5.43	cdmlib	performance,faunaEuropaea
4919	bug	New	New	improve AdvancedBeanInitializer	Andreas Müller	Release 5.44	cdmlib	performance
4817	feature request	New	Priority14	German translation for term types	Andreas Müller	Release 5.46	cdmlib	
4796	bug	New	Priority14	Sorting of hybrids	Andreas Müller	Release 5.45	cdmlib	hybrid-taxa,search
4719	feature request	New	Priority12	[MASTER] Implement IntextReference	Andreas Müller	Unassigned CDM tickets	cdmlib	
4640	feature request	New	Highest	Add orthographic variants to name & taxa search	Katja Luther	Unassigned CDM tickets	cdmlib	search
4610	feature request	New	Priority14	[DISCUSS] I18n for the EDIT platform	Andreas Müller	Unassigned CDM tickets	cdmlib	i18n
4580	feature request	In Progress	Priority14	Improve SchemaUpdater	Andreas Müller	CDM UML 5.43	cdmlib	
4570	feature request	New	Highest	Add vocabulary for Specimen Description Features	Andreas Müller	Release 5.46	cdmlib	additivity
4330	bug	New	Highest	Correct handling of nomenclatural inferences of Journals	Andreas Müller	Release 5.45	cdmlib	parser
4305	feature request	In Progress	Priority10	newly created entities must stay editable even if a user only has the permission to create them	Andreas Kohlbecker	Reviewed Next Major Release	cdmlib	permission,security,euro+med,migration,phycobank
4294	feature request	In Progress	Priority14	order of map legend entries conforms to term order	Andreas Müller	Euro+Med Portal Release	cdmlib	euro+med,migration,map
4118	feature request	Feedback	New	@NotPartOf Annotation to exclude properties from the permission validation	Andreas Müller	Unassigned CDM tickets	cdmlib	security

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4107	task	New	Highest	Deleting taxa and stable IDs [DISCUSS]	Andreas Müller	Euro+Med post migration	cdmlib	euro+med,migration
4021	feature request	Feedback	New	H2 running in Server mode	Andreas Müller	Unassigned CDM tickets	cdmlib	h2
3804	bug	Resolved	Highest	E+M import Person titles contain Object.toSting() representations	Andreas Müller	Euro+Med Migration	cdmlib	euro+med,migration
3788	bug	New	Highest	sort order of search results broken in free-text taxon search	Andreas Kohlbecker	Euro+Med Portal Release	cdmlib	euro+med,migration
3764	feature request	Resolved	Priority11	Improve formatting for reference type Section	Andreas Müller	Release 5.23	cdmlib	formatting
3437	task	New	Highest	Check, why we need cdmlib-services validation	Andreas Müller	Validation Framework 1.0	cdmlib	
3408	task	In Progress	Priority14	replace spring-modules-cache by up to date implementation	Andreas Müller	Release 5.45	cdmlib	
3387	task	New	Priority10	Configure hibernate in config file, not in spring bean	Andreas Müller	Unassigned CDM tickets	cdmlib	
3369	feature request	New	New	Lucene search factory or builder implemented	Andreas Kohlbecker	Unassigned CDM tickets	cdmlib	search,lucene
3362	feature request	New	Highest	Enabling sound files (mp3) in EDITor and data portal	Andreas Müller	Reviewed Next Major Release	cdmlib	corvidae
3320	task	New	Highest	Correct use of CdmApplicationDefaultConfiguration	Andreas Müller	Reviewed Next Major Release	cdmlib	performance
3098	bug	New	Priority13	CdmPermissionEvaluator can test for multiple permissions	Andreas Müller	Reviewed Next Major Release	cdmlib	security
2859	task	New	Priority14	TaxonNameBase.getReferenceYear does not return inRef year	Andreas Müller	Release 5.45	cdmlib	
2851	bug	Discussed	Highest	Check ordering in API paged methods	Andreas Müller	Release 5.45	cdmlib	
2773	task	New	Highest	TestingTermInitializer & CdmIntegrationTest must not use hardcoded DataTypeFactory	Andreas Müller	Unassigned CDM tickets	cdmlib	test
2637	task	New	New	Check JodaTime and JAXB	Andreas Müller	Unassigned CDM tickets	cdmlib	jaxb
2495	bug	Feedback	Highest	IpniServiceTest fails from time to time	Andreas Müller	Reviewed Next Major Release	cdmlib	
2449	bug	In Progress	Priority14	Some or many names have an empty fullTitleCache though information is atomized	Andreas Müller	Release 5.45	cdmlib	formatting
2387	task	New	Priority13	make name and location of ~/.cdmlibrary folder configurable	Andreas Müller	Unassigned CDM tickets	cdmlib	
2302	feature request	New	Priority12	Include ISO-3166 numeric codes to Country	Andreas Müller	CDM UML 5.43	cdmlib	

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2250	task	New	Priority12	TODO use AbstractPagerImpl.hasResultsInRange() where possible	Andreas Kohlbecker	Release 5.45	cdmlib	
2226	feature request	New	Priority14	Discuss hybrids with 3 and 4 parents with taxonomists. Also discuss "greater than" hybrids	Andreas Müller	Unassigned CDM tickets	cdmlib	hybrid-taxa
1866	bug	New	Highest	BookDefaultCacheStrategy does not show free text date published	Andreas Müller	Release 5.44	cdmlib	formatting
1835	bug	New	New	PALMS. Not clear format for authors and references to be parsed correctly	Andreas Müller	Release 5.45	cdmlib	parser,palmweb
1742	feature request	New	Priority13	Adapt the ZooNameDefaultCacheStrategy	Andreas Müller	Release 5.44	cdmlib	formatting,parser,fast
1176	feature request	New	Highest	OriginalSource has to support multiple OriginalNames	Andreas Müller	CDM UML 5.43	cdmlib	euro+med
1097	feature request	New	Priority12	Check comb. nov. with taxonomists	Andreas Müller	CDM UML 5.43	cdmlib	
597	bug	In Progress	Priority13	DefinedTerm problem solved	Andreas Müller	CDM UML 5.43	cdmlib	terms
578	task	In Progress	Priority14	@Ignore removed from PersistentTermInitializerTest	Andreas Müller	Unassigned CDM tickets	cdmlib	