## Issues

| #     | Project | Tracker            | Status      | Priority   | Subject  | Assignee       | Target version         | Category       | Tags  |
|-------|---------|--------------------|-------------|------------|--|----------------|------------------------|----------------|---|
| 10494 | EDIT    | bug                | Resolved    | Highest    | Taxon child node computation still uses model instances  | Andreas Müller | Release 5.43           | cdmlib         | performance                                 |
| 10492 | EDIT    | task               | In Progress | Highest    | Annotations should always have a type  | Andreas Müller | Release 5.43           | cdm            |   |
| 10490 | EDIT    | feature request    | New         | New        | Exclude syntypes from typification output if lectotype exists  | Andreas Müller | Release 5.43           | cdmlib         | cdmlight,formatting,export,type designation |
| 10489 | EDIT    | bug                | In Progress | Highest    | Deduplicate Etymology  | Andreas Müller | Release 5.43           | cdm            |   |
| 10488 | EDIT    | feature<br>request | In Progress | Highest    | Distinguish equal short citations by adding a, b, c, to the year in cdmlight (and add long citation) | Andreas Müller | Release 5.43           | cdmadapter     | cdmlight,formatting                         |
| 10486 | EDIT    | feature<br>request | New         | New        | Allow area tree as parameter in advanced search areasInUse request                                   | Andreas Müller | Release 5.44           | cdmlib-remote  | search,euro+med                             |
| 10484 | EDIT    | bug                | New         | New        | Advanced Search in Cichorieae does not return a result   | Andreas Müller | Release 5.43           | cdmlib         | search                                      |
| 10481 | EDIT    | bug                | New         | New        | Vaadin type of the genus: selection truncated  | Andreas Müller | Unassigned CDM tickets | cdm-vaadin     | phycobank                                   |
| 10479 | EDIT    | feature request    | New         | New        | [Discuss] Format hybrids with space between × and name part  | Andreas Müller | Release 5.43           | cdmlib         | formatting,parser                           |
| 10478 | EDIT    | feature<br>request | New         | New        | (How to) handle pro sp. and  | Andreas Müller | Release 5.43           | cdm            |   |
| 10476 | EDIT    | bug                | Resolved    | New        | Sources with name in source are not correctly deduplicated in footnotes                              | Andreas Müller | Release 5.43           | cdm-dataportal |   |
| 10475 | EDIT    | bug                | New         | New        | Removing names from homotypic group does not always work   | Andreas Müller | Release 5.43           | cdmlib         | delete,type designation                     |
| 10474 | EDIT    | feature<br>request | New         | Highest    | Improve occurrence loading for taxon page  | Andreas Müller | Release 5.43           | cdmlib-remote  | performance                                 |
| 10468 | EDIT    | bug                | New         | Priority14 | Image reference want to display a non-existing media specimen in PhycoBank user portal               | Andreas Müller | Release 5.44           | cdmlib         | phycobank                                   |
| 10467 | EDIT    | feature<br>request | New         | New        | Distribution status filter for exports   | Andreas Müller | Release 5.44           | cdmadapter     |   |
| 10464 | EDIT    | feature<br>request | New         | New        | Spring boot and modern Spring composition  | Andreas Müller | Unassigned CDM tickets | cdmlib         |   |
| 10462 | EDIT    | feature<br>request | New         | New        | Allow adding ORCID for authors in<br>Phycobank   | Andreas Müller | Unassigned CDM tickets | cdm-vaadin     | phycobank                                   |
| 10461 | EDIT    | bug                | Closed      | Highest    | Duplicate user name not handled correctly during registration  | Andreas Müller | Release 5.42           | cdm-vaadin     | phycobank,phycobank-ready-for-submitters    |
| 10460 | EDIT    | feature<br>request | New         | Priority13 | Selfregistration widget follow up  | Andreas Müller | Unassigned CDM tickets | cdm-vaadin     | phycobank                                   |

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| #     | Project | Tracker            | Status   | Priority   | Subject  | Assignee       | Target version            | Category       | Tags                           |
|-------|---------|--------------------|----------|------------|--|----------------|---------------------------|----------------|--------------------------------|
| 10458 | EDIT    | discussion         | New      | New        | [DISCUSS] Publish flag for type designations   | Andreas Müller | CDM UML<br>5.43           | cdm            | type designation               |
| 10452 | EDIT    | feature<br>request | New      | New        | Editorial workflow support   | Andreas Müller | Unassigned CDM tickets    | platform       | editorial_workflow             |
| 10451 | EDIT    | feature request    | Resolved | New        | Allow adding fullName (name+author) to coldp name table                                      | Andreas Müller | Release 5.42              | cdmadapter     | col                            |
| 10449 | EDIT    | feature<br>request | Closed   | Highest    | Allow filtering out synonyms in list exports   | Andreas Müller | Release 5.42              | cdmadapter     | wfo,col,cdmlight,dwca          |
| 10447 | EDIT    | bug                | New      | Priority13 | Rename homotypical to homotypic  | Andreas Müller | Release 5.44              | cdm            |                                |
| 10446 | EDIT    | feature<br>request | Resolved | Highest    | WFO Backbone export  | Andreas Müller | Release 5.42              | cdmadapter     | export,wfo                     |
| 10445 | EDIT    | discussion         | Closed   | New        | [Master] Upgrade architecture  | Andreas Müller | Unassigned CDM tickets    | architecture   |                                |
| 10444 | EDIT    | task               | New      | New        | Add integration test with docker   | Andreas Müller | Unassigned CDM tickets    | architecture   | test,docker                    |
| 10443 | EDIT    | task               | New      | Highest    | Develop NFDI-API with Open API   | Andreas Müller | Release 5.44              | platform       | nfdi                           |
| 10435 | EDIT    | feature<br>request | Closed   | Highest    | Vaadin, add type after published registration of a scientific name                           | Andreas Müller | Release 5.42              | cdm-vaadin     | phycobank                      |
| 10434 | EDIT    | bug                | Closed   | Highest    | Dropdown menue for genus and higher ranks truncated  | Andreas Müller | Release 5.42              | cdm-vaadin     | phycobank-ready-for-submitters |
| 10433 | EDIT    | feature request    | Closed   | New        | Add Index Fungorum name identifier type  | Andreas Müller | Release 5.42              | cdm            |                                |
| 10432 | EDIT    | task               | Resolved | Priority14 | Cora import  | Andreas Müller | Release 5.42              | data           | lichenes                       |
| 10429 | EDIT    | feature<br>request | New      | New        | Distinguish nomen alternativum and alternative name better                                   | Andreas Müller | CDM UML<br>5.43           | cdmlib         |                                |
| 10422 | EDIT    | feature request    | New      | New        | Allow different base layers for distribution and occurrence maps                             | Andreas Müller | Release 5.47              | cdm-dataportal | map,salvador                   |
| 10421 | EDIT    | feature<br>request | New      | New        | Make it impossible to store objects with obligatory fields not set in TaxEditor (or general) | Andreas Müller | Unassigned<br>CDM tickets | taxeditor      | validation                     |
| 10420 | EDIT    | feature<br>request | Closed   | New        | Order exact values in QuantitativeDataFormatter  | Andreas Müller | Release 5.41              | cdmlib         | formatting,additivity          |
| 10419 | EDIT    | bug                | Closed   | Highest    | Collector title not handled correctly if collector titleCache is protected                   | Andreas Müller | Release 5.41              | cdmlib         | formatting                     |
| 10414 | EDIT    | task               | Closed   | New        | Remove Georgian subdivisions from Euro+Med   | Andreas Müller |                           | data           | euro+med,caucasus              |
| 10408 | EDIT    | discussion         | New      | New        | Workflow support for print publication references  | Andreas Müller | Unassigned CDM tickets    | cdmadapter     | cdmlight,print                 |

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| #     | Project | Tracker            | Status    | Priority   | Subject  | Assignee       | Target version  | Category                  | Tags                                     |
|-------|---------|--------------------|-----------|------------|--|----------------|-----------------|---------------------------|--|
| 10405 | EDIT    | feature<br>request | New       | New        | Allow synchronizing terms  | Andreas Müller | Release 5.44    | cdmlib                    | additivity,synchronization,import,terms  |
| 10403 | EDIT    | discussion         | New       | New        | Should syn. sec. be part of the homotypical group instead of single synonym?   | Andreas Müller | CDM UML<br>5.43 | cdm                       |  |
| 10401 | EDIT    | bug                | New       | Highest    | Update StatisticalMeasureType labels   | Andreas Müller | CDM UML<br>5.43 | cdm                       |  |
| 10400 | EDIT    | feature<br>request | Resolved  | Priority13 | Make taxon-specimen relation for taxon pages configurable in webservice        | Andreas Müller | Release 5.42    | cdmlib-remote             | specimen,performance                     |
| 10396 | EDIT    | discussion         | New       | New        | Handle "not endemic" in CDM  | Andreas Müller | CDM UML<br>5.43 | cdm                       | caucasus                                 |
| 10395 | EDIT    | feature<br>request | New       | New        | Allow formatting with or without ex-authors in dataportal                      | Andreas Müller | Release 5.46    | cdm-dataportal            | formatting                               |
| 10385 | EDIT    | feature<br>request | Closed    | Priority13 | Add transliteration field to common names                                      | Andreas Müller | Release 5.40    | cdm                       | caucasus                                 |
| 10379 | EDIT    | bug                | Closed    | Highest    | Error in Portal if collection code is part of the accession number             | Andreas Müller | Release 5.40    | cdm-dataportal            | type designation,phycobank               |
| 10373 | EDIT    | bug                | Closed    | Highest    | Submitter rights for watching respectively editing working sets                | Andreas Müller | Release 5.42    | cdm-vaadin                | phycobank-ready-for-submitters,phycobank |
| 10368 | EDIT    | feature<br>request | Closed    | Highest    | Allow excluding factual data from cdmlight export                              | Andreas Müller | Release 5.40    | taxeditor                 | euro+med,mexico                          |
| 10367 | EDIT    | feature<br>request | Closed    | Highest    | Add citationMicroReference to description of sources in ReferencingObjectsView | Andreas Müller | Release 5.40    | cdmlib                    |  |
| 10359 | EDIT    | task               | New       | Highest    | Integrate Vienna common names into E+M   | Andreas Müller | Release 5.44    | data                      | tettris                                  |
| 10358 | EDIT    | bug                | Closed    | Priority13 | Remove supportsTextData for Characters   | Andreas Müller | Release 5.40    | cdmlib                    | additivity                               |
| 10356 | EDIT    | task               | Closed    | Highest    | Combine Caryophyllales data portals  | Andreas Müller | Release 5.40    | cdm-dataportal            | caryophyllales                           |
| 10351 | EDIT    | feature<br>request | Duplicate | New        | Geosearch with full taxon tree result, eventually printer friendly             | Andreas Müller |                 | cdm-dataportal            | euro+med                                 |
| 10350 | EDIT    | feature<br>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                                 |
| 10349 | EDIT    | feature request    | New       | New        | Add Gr+AE(G) und Russian aereas for mosses to the E+M shapefile                | Andreas Müller | Release 5.44    | geotools - map<br>service | euro+med,geotools                        |
| 10348 | EDIT    | feature<br>request | New       | New        | Handle term synonyms in CDM  | Andreas Müller | CDM UML<br>5.43 | cdm                       | additivity,terms                         |
| 10347 | EDIT    | feature<br>request | New       | New        | Implement et al. for names in taxon search result                              | Andreas Müller | Release 5.44    | cdmlib                    | euro+med,cichorieae,formatting           |
| 10346 | EDIT    | bug                | Closed    | Highest    | Bugs in E+M dataportal 5.38  | Andreas Müller | Release 5.39    | cdm-dataportal            | euro+med                                 |

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| #     | Project | Tracker            | Status         | Priority   | Subject   | Assignee       | Target version         | Category       | Tags                           |
|-------|---------|--------------------|----------------|------------|---|----------------|------------------------|----------------|--------------------------------|
| 10341 | EDIT    | feature<br>request | Closed         | New        | Add source type "internal"  | Andreas Müller | Release 5.38           | cdm            | type designation               |
| 10340 | EDIT    | bug                | Closed         | Highest    | Categorical and Quantitative Data details view must only show recommended modifiers | Andreas Müller | Release 5.38           | taxeditor      | additivity,terms               |
| 10338 | EDIT    | task               | New            | Priority13 | Think about using GraphQL (graphQL-java and spring GraphQL)                         | Andreas Müller | Unassigned CDM tickets | cdmlib-remote  |                                |
| 10337 | EDIT    | feature<br>request | Closed         | Highest    | Allow supportedCategoricalEnumeration and recommendedModfiers for term collection   | Andreas Müller | Release 5.38           | cdm            | additivity,terms               |
| 10334 | EDIT    | feature<br>request | Closed         | Priority14 | Evaluate DescriptionBase.publish in webservices                                     | Andreas Müller | Release 5.42           | cdmlib-remote  | mexico,cdmlight,col            |
| 10329 | EDIT    | feature<br>request | Closed         | Priority14 | Max records per State attribute for feature   | Andreas Müller | Release 5.38           | cdm            | mexico                         |
| 10328 | EDIT    | feature<br>request | Closed         | Priority14 | Add "max records per dataset"   | Andreas Müller | Release 5.38           | cdm            | mexico                         |
| 10327 | EDIT    | feature<br>request | Closed         | Highest    | IUCN condensed distribution configuration   | Andreas Müller | Release 5.38           | cdmlib         | euro+med                       |
| 10326 | EDIT    | task               | In Progress    | New        | EuroMed mosses remaining issues   | Andreas Müller | Release 5.44           | data           | euro+med                       |
| 10324 | EDIT    | task               | Closed         | Priority13 | Export Caucasus data  | Andreas Müller |                        | cdmadapter     | export,caucasus,euro+med       |
| 10322 | EDIT    | feature<br>request | In Progress    | Highest    | Use DTOs for portal taxon page (cont.)  | Andreas Müller | Release 5.43           | cdm-dataportal | performance                    |
| 10321 | EDIT    | task               | In Progress    | Highest    | WFO name matching for Cichorioideae   | Andreas Müller | Release 5.43           | data           | wfo                            |
| 10320 | EDIT    | feature<br>request | Closed         | Highest    | MakeTermRelationBase annotatable  | Andreas Müller | Release 5.38           | cdm            | euro+med                       |
| 10318 | EDIT    | feature<br>request | Closed         | Priority13 | Add modifier vocabularies from Endara et al   | Andreas Müller | Release 5.38           | cdm            | terms,additivity               |
| 10317 | EDIT    | task               | New            | New        | Think about flyway or liquibase for database migration                              | Andreas Müller | Unassigned CDM tickets | cdmlib         |                                |
| 10314 | EDIT    | task               | New            | New        | Cleanup authors that differ only in collation                                       | Andreas Müller | Unassigned CDM tickets | data           |                                |
| 10313 | EDIT    | bug                | New            | New        | Default color of terms is not shown correctly in dataportal maps                    | Andreas Müller | Release 5.43           | cdmlib         | map,cichorieae                 |
| 10311 | EDIT    | bug                | Closed         | Highest    | Is misspelling for and is emendation for should be asymmetric                       | Andreas Müller | Release 5.38           | cdm            | fast                           |
| 10310 | EDIT    | feature<br>request | Closed         | Priority13 | Add IUCN status as feature  | Andreas Müller | Release 5.38           | cdm            | euro+med                       |
| 10306 | EDIT    | bug                | Worksform<br>e | New        | Layout: Not all functions in Vaadin available                                       | Andreas Müller | Unassigned CDM tickets | cdm-vaadin     | phycobank-ready-for-submitters |

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| #     | Project | Tracker            | Status         | Priority   | Subject  | Assignee       | Target version            | Category       | Tags                                     |
|-------|---------|--------------------|----------------|------------|--|----------------|---------------------------|----------------|--|
| 10302 | EDIT    | task               | Closed         | Highest    | Revise Status section  | Andreas Müller | Release 5.38              | cdm-vaadin     | phycobank-ready-for-submitters,phycobank |
| 10301 | EDIT    | bug                | Rejected       | Highest    | Allow curators to edit missing name informations                           | Andreas Müller |                           | cdm-vaadin     | phycobank                                |
| 10299 | EDIT    | bug                | Closed         | New        | Verbatim year parsing and formatting for nomencl. references               | Andreas Müller | Release 5.38              | cdmlib         | parser,formatting                        |
| 10295 | EDIT    | task               | Closed         | Priority14 | Parse verbatim year in reference   | Andreas Müller | Release 5.37              | cdmlib         | parser,formatting                        |
| 10293 | EDIT    | bug                | Worksform<br>e | Highest    | Person search results does not show identifier correctly                   | Andreas Müller |                           | cdm-dataportal | phycobank                                |
| 10286 | EDIT    | feature<br>request | Closed         | Priority14 | Add publisher2 and placePublished2 to Reference                            | Andreas Müller | Release 5.36              | cdm            | formatting                               |
| 10283 | EDIT    | task               | New            | New        | Add mapping for non-mexican areas for eFloraMex                            | Andreas Müller | Release 5.44              | data           | mexico                                   |
| 10281 | EDIT    | bug                | Closed         | New        | TaxEditor extremely slow when using another language as default language   | Andreas Müller | Release 5.36              | taxeditor      | mexico,performance                       |
| 10277 | EDIT    | bug                | Closed         | Priority13 | HibernateSystemException and BridgeException not in taxeditor dependencies | Andreas Müller | Release 5.36              | taxeditor      | mexico                                   |
| 10276 | EDIT    | bug                | New            | New        | Cleanup person data with undefined information                             | Andreas Müller | Release 5.44              | data           |  |
| 10274 | EDIT    | bug                | Closed         | Priority13 | Opening a gathering event does not work in ReferencingObjectsView          | Andreas Müller | Release 5.36              | cdmlib         |  |
| 10273 | EDIT    | feature request    | In Progress    | Highest    | WFO content export (DwC-A)   | Andreas Müller | Release 5.43              | cdmadapter     | euro+med,wfo,export,cichorieae,dwca      |
| 10272 | EDIT    | bug                | New            | New        | Import WoRMS (and other) higher classifications for Phycobank              | Andreas Müller | Unassigned CDM tickets    | data           | phycobank                                |
| 10271 | EDIT    | feature request    | In Progress    | Priority14 | Implement CoL-DP export  | Andreas Müller | Release 5.42              | cdmadapter     | tettris,col,export,wfo                   |
| 10269 | EDIT    | bug                | Closed         | Highest    | Selecting existing name for typification                                   | Andreas Müller | Release 5.36              | cdm-vaadin     | phycobank,phycobank-ready-for-submitters |
| 10263 | EDIT    | discussion         | New            | Priority13 | How to handle "additional secundum sources" and other "citations"          | Andreas Müller | CDM UML<br>5.43           | cdm            | mexico,eFlora                            |
| 10262 | EDIT    | bug                | Closed         | Highest    | Switch longitude and latitude in GeoLocationField                          | Andreas Müller | Release 5.36              | cdm-vaadin     | phycobank,phycobank-ready-for-submitters |
| 10261 | EDIT    | feature<br>request | Closed         | Highest    | Avoid type designation type selection dialogue                             | Andreas Müller | Release 5.36              | cdm-vaadin     | phycobank                                |
| 10260 | EDIT    | feature<br>request | Closed         | Highest    | Add resolve mechanism to (external) identifiers                            | Andreas Müller | Release 5.36              | cdm            | tettris,wfo                              |
| 10257 | EDIT    | feature request    | New            | New        | Additional person identifiers  | Andreas Müller | Unassigned<br>CDM tickets | cdm            | tettris                                  |

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|-------|---------|--------------------|-------------|------------|---|----------------|------------------------|----------------|----------------------------------|
| 10256 | EDIT    | bug                | New         | New        | Quick person entry via identifier (ORCID, IPNI,) for taxeditor                                | Andreas Müller | Unassigned CDM tickets | cdmadapter     |                                  |
| 10250 | EDIT    | feature request    | New         | New        | Bibliography dataportal page  | Andreas Müller | Release 5.46           | cdm-dataportal | cuba,mexico,salvador             |
| 10247 | EDIT    | bug                | New         | New        | Common name search is slow  | Andreas Müller | Release 5.43           | cdm-dataportal | performance,euro+med             |
| 10245 | EDIT    | feature request    | Closed      | New        | #9626 Implement publisher information for bibliographic reference formatting                  | Andreas Müller | Release 5.36           | cdmlib         | formatting                       |
| 10243 | EDIT    | bug                | New         | New        | Unranked infraspec. can't be parsed   | Andreas Müller | Release 5.44           | cdmlib         | parser                           |
| 10242 | EDIT    | task               | Closed      | Highest    | Import Sileneae   | Andreas Müller |                        | cdmadapter     | caryophyllales,import            |
| 10241 | EDIT    | feature<br>request | Closed      | New        | Handle modifiers and modifying text for quantitative data and description elements formatting | Andreas Müller | Release 5.38           | cdmlib         | formatting,mexico                |
| 10239 | EDIT    | task               | Closed      | Priority14 | Caucasus databases and portals available  | Andreas Müller |                        | platform       | caucasus,euro+med                |
| 10236 | EDIT    | task               | Rejected    | Highest    | Import data from caucasus DB to E+M   | Andreas Müller |                        | data           | euro+med,caucasus                |
| 10233 | EDIT    | feature<br>request | New         | New        | Allow "for grouping only" structures for terms  | Andreas Müller | Release 5.44           | cdm            | additivity                       |
| 10232 | EDIT    | task               | Closed      | Highest    | Import Finnish common names   | Andreas Müller |                        | cdmadapter     | import,euro+med,tettris          |
| 10227 | EDIT    | task               | New         | New        | Implement bioschema.org on taxon pages  | Andreas Müller | Unassigned CDM tickets | cdm-dataportal |                                  |
| 10226 | EDIT    | task               | New         | New        | Upgrade to Spring 6.x   | Andreas Müller | Release 5.47           | cdmlib         | upgrade                          |
| 10225 | EDIT    | bug                | Closed      | Highest    | MultipleRepresentationException when moving synonym in homotypic group                        | Andreas Müller | Release 5.42           | taxeditor      | multiple-representations-problem |
| 10224 | EDIT    | task               | Closed      | Highest    | Import Kew Nyctaginaceae data to Caryophyllales   | Andreas Müller |                        | cdmadapter     | import,caryophyllales,mexico     |
| 10223 | EDIT    | bug                | New         | Highest    | References for lectotypes should have short references, not full authorship                   | Andreas Müller | Release 5.43           | cdm-dataportal | formatting,type designation      |
| 10222 | EDIT    | task               | Closed      | Highest    | Use DTOs for portal taxon page - first implementation for E+M                                 | Andreas Müller | Release 5.38           | cdm-dataportal | performance,euro+med             |
| 10218 | EDIT    | task               | New         | New        | Unify cache handling in CDM platform  | Andreas Müller | Unassigned CDM tickets | cdmlib         | ehcache                          |
| 10216 | EDIT    | task               | In Progress | Highest    | Upgrade to Spring 5.x   | Andreas Müller | Release 5.44           | platform       | upgrade                          |
| 10215 | EDIT    | task               | New         | New        | Updates, upgrades and cleanup 2024  | Andreas Müller | Unassigned CDM tickets | platform       |                                  |
| 10214 | EDIT    | bug                | Closed      | Highest    | Cache configuration for term cache not correctly initialized in taxeditor                     | Andreas Müller | Release 5.35           | taxeditor      | terms,ehcache                    |
| 10212 | EDIT    | feature<br>request | Closed      | New        | Add usePlural to StateData  | Andreas Müller | Release 5.35           | cdm            | additivity                       |
| 10208 | EDIT    | task               | New         | Highest    | only use cacher for static terms  | Andreas Müller | Release 5.45           | cdmlib         | terms                            |

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|-------|---------|--------------------|-----------|------------|---|----------------|------------------------|------------|--|
| 10206 | EDIT    | feature<br>request | Closed    | Highest    | Add publish flag to description base  | Andreas Müller | Release 5.38           | cdm        | mexico                                   |
| 10201 | EDIT    | task               | Closed    | Priority14 | Make synonym type an enum   | Andreas Müller | Release 5.35           | cdm        | terms                                    |
| 10198 | EDIT    | bug                | Closed    | Priority14 | Termremoval for OrderedTermVocabularies does not work correctly due to incorrect compareTo and orderIndex decrement | Andreas Müller | Release 5.35           | cdmlib     | terms                                    |
| 10196 | EDIT    | feature<br>request | Closed    | Priority14 | Hybrid structure-state terms  | Andreas Müller | Release 5.35           | cdm        | additivity                               |
| 10194 | EDIT    | feature<br>request | Closed    | Highest    | Allow specimens as source for factual data  | Andreas Müller | Release 5.35           | cdm        | mexico,uzbekistan                        |
| 10188 | EDIT    | bug                | New       | New        | Allow moving large subtrees   | Andreas Müller | Unassigned CDM tickets | cdmlib     | tree-index                               |
| 10183 | EDIT    | task               | Closed    | Highest    | Import Buxales via Cdm2Cdm  | Andreas Müller |                        | cdmadapter | import                                   |
| 10175 | EDIT    | bug                | Closed    | Highest    | IllegalStateException when more than 10 exceptions in UpdateResult  | Andreas Müller | Release 5.34           | cdmlib     |  |
| 10174 | EDIT    | task               | Closed    | Priority14 | Export data to BfN  | Andreas Müller |                        | data       | export,euro+med,pesi                     |
| 10170 | EDIT    | feature request    | Closed    | Highest    | Create nom. status nom. & orth. cons.   | Andreas Müller | Release 5.34           | cdm        |  |
| 10168 | EDIT    | bug                | Closed    | Priority14 | Name Type designation with restricted select list   | Andreas Müller |                        | cdm-vaadin | phycobank                                |
| 10167 | EDIT    | bug                | Closed    | Priority14 | Selecting an existing name and adding a new journal does not work for phycobank registration                        | Andreas Müller | Release 5.36           | cdm-vaadin | phycobank,phycobank-ready-for-submitters |
| 10165 | EDIT    | bug                | Closed    | New        | email and person data are not stored when creating a new account  | Andreas Müller | Release 5.33           | cdmlib     | phycobank-ready-for-submitters,phycobank |
| 10164 | EDIT    | bug                | Duplicate | New        | Self registration failed with<br>AuthenticationCredentialsNotFoundExcept<br>ion                                     | Andreas Müller |                        | cdm-vaadin | phycobank-ready-for-submitters           |
| 10163 | EDIT    | bug                | Closed    | Highest    | Fix label for "Orthography Conserved" and "Conserved Desig"   | Andreas Müller | Release 5.33           | cdm        |  |
| 10161 | EDIT    | feature<br>request | Closed    | Priority14 | Deduplicate nom. status in publication if there are >1 entries with same status                                     | Andreas Müller | Release 5.34           | cdmlib     |  |
| 10145 | EDIT    | feature<br>request | New       | New        | Transform accessed field in Reference from DateTime to TimePeriod   | Andreas Müller | CDM UML<br>5.43        | cdm        |  |
| 10141 | EDIT    | bug                | Closed    | Highest    | Exception (CCE) caused by logging setLevel in phycobank   | Andreas Müller | Release 5.33           | cdmlib     | phycobank                                |
| 10139 | EDIT    | bug                | Closed    | Highest    | Existing name cannot be safed to be available for typification under a different reference in PhycoBank             | Andreas Müller | Release 5.33           | cdm-vaadin | phycobank                                |

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| #     | Project | Tracker            | Status      | Priority   | Subject   | Assignee       | Target version         | Category       | Tags                                     |
|-------|---------|--------------------|-------------|------------|---|----------------|------------------------|----------------|--|
| 10133 | EDIT    | feature<br>request | Closed      | Priority13 | Improve ontology state vocabularies   | Andreas Müller | Release 5.40           | cdm            | additivity,terms                         |
| 10131 | EDIT    | bug                | New         | New        | Improve media specimen formatting for type designations   | Andreas Müller | Release 5.43           | cdmlib         | formatting,fast                          |
| 10127 | EDIT    | feature<br>request | Closed      | Highest    | Add full reference information to sec. references in dataportal                                   | Andreas Müller | Release 5.42           | cdm-dataportal | formatting                               |
| 10118 | EDIT    | bug                | Closed      | New        | Availability of partial misapplied should be configurable   | Andreas Müller | Release 5.33           | taxeditor      | fast                                     |
| 10116 | EDIT    | bug                | Closed      | Highest    | Create a new name denied for users  | Andreas Müller | Release 5.33           | cdm-vaadin     | phycobank-ready-for-submitters,phycobank |
| 10115 | EDIT    | bug                | Duplicate   | Highest    | Create new reference denied for users   | Andreas Müller |                        | cdm-vaadin     | phycobank-ready-for-submitters,phycobank |
| 10114 | EDIT    | bug                | Closed      | Highest    | Problem with parser for author string with whitespace between initials                            | Andreas Müller | Release 5.33           | cdmlib         |  |
| 10111 | EDIT    | bug                | In Progress | Highest    | Data loss e.g. when entering type information   | Andreas Müller | Release 5.44           | taxeditor      |  |
| 10110 | EDIT    | feature<br>request | Closed      | Priority14 | Show barcode also on<br>PreservedSpecimen General details<br>element not only on specific element | Andreas Müller | Release 5.32           | taxeditor      |  |
| 10109 | EDIT    | task               | New         | New        | Investigate best practice for HQL with enumset  | Andreas Müller | Unassigned CDM tickets | cdmlib         |  |
| 10105 | EDIT    | bug                | New         | Priority14 | Fix logging in TaxEditor after migration to log4j 2   | Andreas Müller | Release 5.45           | taxeditor      | 5.32-Remaining                           |
| 10104 | EDIT    | task               | New         | Highest    | Cleanup after hibernate v5.4.33 migration   | Andreas Müller | Release 5.45           | cdmlib         | 5.32-Remaining                           |
| 10103 | EDIT    | feature request    | New         | Highest    | Add "Included" as default status to taxon node status   | Andreas Müller | CDM UML<br>5.43        | cdm            | fast                                     |
| 10101 | EDIT    | bug                | In Progress | Priority14 | Correct mapping and handling of sorted tree structures  | Andreas Müller | Release 5.45           | cdmlib         | 5.32-Remaining                           |
| 10100 | EDIT    | task               | New         | New        | Rename statusNote into placementNote in TaxonNode   | Andreas Müller | CDM UML<br>5.43        | cdm            |  |
| 10099 | EDIT    | task               | New         | New        | Try to use log4j instead of logback in CDM server   | Andreas Müller | Unassigned CDM tickets | cdmserver      |  |
| 10097 | EDIT    | feature<br>request | Closed      | New        | Rename originalNameString to originalInfo   | Andreas Müller | Release 5.32           | cdm            |  |
| 10096 | EDIT    | feature<br>request | Closed      | Priority14 | Add new TaxonNode status and make notes field more general  | Andreas Müller | Release 5.32           | cdmlib         |  |
| 10095 | EDIT    | task               | Closed      | New        | Synchronize dependency versions in CdmServer  | Andreas Müller | Release 5.32           | cdmserver      |  |
| 10094 | EDIT    | task               | New         | Priority14 | Reenabel anttask for 001-cdm.h2.sql creation  | Andreas Müller | Release 5.45           | cdmlib         | 5.32-Remaining                           |

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| #     | Project | Tracker            | Status   | Priority   | Subject  | Assignee       | Target version              | Category       | Tags                   |
|-------|---------|--------------------|----------|------------|--|----------------|-----------------------------|----------------|------------------------|
| 10093 | EDIT    | feature<br>request | New      | New        | Create print publication classification output using docx4j                  | Andreas Müller | Unassigned CDM tickets      | cdmadapter     | export,print           |
| 10091 | EDIT    | task               | Closed   | New        | Add stacktrace to JSON repsonse  | Andreas Müller | Release 5.32                | cdmlib-remote  | debug                  |
| 10090 | EDIT    | bug                | Closed   | Priority14 | Many LIEs in cdmserver log for<br>Team.getCollectorTitleCache()              | Andreas Müller | Release 5.32                | cdmlib         |                        |
| 10089 | EDIT    | bug                | Closed   | Priority14 | Order TypeDesignationSetContainer by status type                             | Andreas Müller | Release 5.32                | cdmlib         | formatting,cdmlight    |
| 10088 | EDIT    | feature<br>request | New      | New        | Implement bibliography parser  | Andreas Müller | Unassigned CDM tickets      | cdmlib         | parser                 |
| 10087 | EDIT    | feature<br>request | Closed   | Priority14 | Add taxon node source to status notes in cdmlight                            | Andreas Müller | Release 5.32                | cdmadapter     |                        |
| 10086 | EDIT    | feature request    | New      | Highest    | Taxonomic and geographic search for data portal                              | Andreas Müller | Release 5.45                | cdm-dataportal | euro+med               |
| 10083 | EDIT    | feature request    | Closed   | Priority14 | Add name relationship type "avoids homonym of"/"causes replacement name"     | Andreas Müller | Release 5.32                | cdm            |                        |
| 10082 | EDIT    | feature<br>request | Closed   | Priority14 | Improve formatting for pro parte misapplications                             | Andreas Müller | Release 5.32                | cdmlib         | formatting,euro+med    |
| 10077 | EDIT    | task               | New      | Priority14 | upgrade ehcache to 3.x   | Andreas Müller | Release 5.46                | cdmlib         | upgrade,5.32-Remaining |
| 10075 | EDIT    | bug                | Closed   | Highest    | Fix deserialization exception for bytebuddy base hibernate SerializableProxy | Andreas Müller | Release 5.32                | cdmlib         |                        |
| 10074 | EDIT    | feature<br>request | New      | New        | Areas for common names should be a set                                       | Andreas Müller | Unassigned CDM tickets      | cdmlib         |                        |
| 10073 | EDIT    | task               | New      | New        | Remove all docbkx related code/files from cdmlib                             | Andreas Müller | Update<br>Documentati<br>on | documentation  | documentation          |
| 10072 | EDIT    | task               | Closed   | Priority14 | Upgrade fully to log4j2  | Andreas Müller | Release 5.32                | cdmlib         |                        |
| 10070 | EDIT    | feature<br>request | New      | New        | Upgrade to hibernate 6+  | Andreas Müller | Unassigned CDM tickets      | cdmlib         |                        |
| 10069 | EDIT    | feature<br>request | New      | New        | Upgrade hibernate search and lucene to hs6+ and lucene 8+                    | Andreas Müller | Unassigned CDM tickets      | cdmlib         | lucene,search          |
| 10068 | EDIT    | bug                | Closed   | Highest    | Changing focus to accepted taxon does not work                               | Andreas Müller | Release 5.35                | taxeditor      |                        |
| 10067 | EDIT    | task               | Closed   | Priority14 | Update to hibernate 5.4 (or higher) and hibernate search 5.11 and lucene 5.5 | Andreas Müller | Release 5.32                | cdmlib         |                        |
| 10064 | EDIT    | task               | Resolved | Priority14 | Upgrade cybertaxonomy.org to Drupal9   | Andreas Müller | Release 5.32                | platform       |                        |
| 10057 | EDIT    | feature<br>request | Closed   | Priority14 | Add "accessed" field to<br>OriginalSourceBase                                | Andreas Müller | Release 5.32                | cdm            |                        |
| 10055 | EDIT    | task               | New      | Highest    | Updates, upgrades and cleanup 2023   | Andreas Müller | Release 5.45                | platform       | java11                 |

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| #     | Project | Tracker            | Status      | Priority   | Subject  | Assignee       | Target version              | Category       | Tags        |
|-------|---------|--------------------|-------------|------------|--|----------------|-----------------------------|----------------|-------------|
| 10054 | EDIT    | bug                | Closed      | Priority14 | Changes on secundum reference are lost after changing status to basionym | Andreas Müller | Release 5.35                | taxeditor      |             |
| 10053 | EDIT    | bug                | Closed      | Priority14 | Problems with saving of secundum references                              | Andreas Müller | Release 5.35                | taxeditor      |             |
| 10052 | EDIT    | task               | New         | New        | Check if JReleaser could be helpful                                      | Andreas Müller | Release 5.45                | architecture   |             |
| 10051 | EDIT    | bug                | New         | New        | Remaining issues for Referencing Objects View                            | Andreas Müller | Unassigned CDM tickets      | taxeditor      |             |
| 10050 | EDIT    | feature request    | In Progress | New        | Add missing functionality for MCL CDM dataportal                         | Andreas Müller | Unassigned CDM tickets      | cdm-dataportal | MCL         |
| 10044 | EDIT    | bug                | Closed      | New        | Maps in Flore Du Gabon are broken  | Andreas Müller | Release 5.32                | cdm-dataportal |             |
| 10041 | EDIT    | feature<br>request | New         | New        | Make formatting language/locale dependent                                | Andreas Müller | Unassigned CDM tickets      | cdmlib         | formatting  |
| 10040 | EDIT    | feature<br>request | New         | Highest    | Allow an own TaxonName type for Pseudo-Taxa                              | Andreas Müller | CDM UML<br>5.43             | cdm            | i18n,mexico |
| 10036 | EDIT    | feature<br>request | New         | New        | Allow description sources to have nameUsedInSource                       | Andreas Müller | CDM UML<br>5.43             | cdm            |             |
| 10032 | EDIT    | task               | New         | Priority14 | Create media metadata service documentation                              | Andreas Müller | Update<br>Documentati<br>on | documentation  | media       |
| 10031 | EDIT    | task               | New         | Priority14 | Update geographic components documentation                               | Andreas Müller | Update<br>Documentati<br>on | documentation  |             |
| 10030 | EDIT    | task               | New         | Priority14 | Update Phycobank and Webeditor documentation                             | Andreas Müller | Update<br>Documentati<br>on | documentation  | phycobank   |
| 10029 | EDIT    | task               | New         | Priority14 | Update other main groups and main page                                   | Andreas Müller | Update<br>Documentati<br>on | documentation  |             |
| 10028 | EDIT    | task               | New         | New        | Update Taxonomy Notes  | Andreas Müller | Update<br>Documentati<br>on | documentation  |             |
| 10027 | EDIT    | task               | New         | Priority13 | Update DevelopmentNotes  | Andreas Müller | Update<br>Documentati<br>on | documentation  |             |
| 10026 | EDIT    | task               | New         | Priority14 | Update DataModelsAndFormats  | Andreas Müller | Update<br>Documentati<br>on | documentation  |             |
| 10025 | EDIT    | task               | New         | Priority14 | Update other platform pages in wiki                                      | Andreas Müller | Update<br>Documentati<br>on | documentation  |             |

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| #     | Project | Tracker         | Status    | Priority   | Subject   | Assignee       | Target version              | Category               | Tags   |
|-------|---------|-----------------|-----------|------------|---|----------------|-----------------------------|------------------------|--|
| 10024 | EDIT    | task            | New       | Priority13 | Update other platform components documentation                                | Andreas Müller | Update<br>Documentati<br>on | documentation          |  |
| 10023 | EDIT    | task            | New       | Priority14 | Update CDM Server documentation   | Andreas Müller | Update<br>Documentati<br>on | documentation          |  |
| 10020 | EDIT    | feature request | Closed    | New        | Add media transformation for new BGBM mediahub image server                   | Andreas Müller | Release 5.31                | cdmadapter             |  |
| 10015 | EDIT    | task            | Duplicate | New        | Cleanup EDIT server pages on BDI notes  | Andreas Müller |                             | server-maintena<br>nce |  |
| 10014 | EDIT    | bug             | New       | Priority14 | Fix windows build for CDM Server after debian11 upgrade                       | Andreas Müller | Release 5.45                | cdmserver              |  |
| 10013 | EDIT    | discussion      | New       | New        | Check TAXIC methods for relevance   | Andreas Müller | Release 5.45                | cdmlib-remote          |  |
| 10009 | EDIT    | task            | Closed    | Priority14 | Cleanup dependencies in TaxEditor   | Andreas Müller | Release 5.32                | taxeditor              |  |
| 10008 | EDIT    | task            | New       | Priority14 | Cleanup after server upgrades   | Andreas Müller | Release 5.44                | server-maintena<br>nce |  |
| 10007 | EDIT    | bug             | Closed    | Highest    | fix reindex jobs on jobber  | Andreas Müller | Release 5.32                | devOps                 |  |
| 10006 | EDIT    | task            | New       | Highest    | Check backups fully work after upgrades to debian 11                          | Andreas Müller | Release 5.44                | server-maintena<br>nce |  |
| 10004 | EDIT    | bug             | New       | Priority14 | fix edit-name-catalogue-jmeter-tests  | Andreas Müller | Release 5.44                | cdmlib-remote          |  |
| 10003 | EDIT    | feature request | Closed    | Highest    | Implement specimen status in Data portal                                      | Andreas Müller | Release 5.32                | cdm-dataportal         | specimen-page,specimens-view-path,specimens-view-table,s pecimens-view-tree,specimen |
| 10000 | EDIT    | task            | Closed    | Highest    | Celebrate ticket no. 10,000   | Andreas Müller | Release 5.31                | platform               |  |
| 9999  | EDIT    | task            | Closed    | Priority14 | Improve formatting for referencing objects of descriptive data                | Andreas Müller | Release 5.31                | cdmlib                 | formatting,mexico  |
| 9998  | EDIT    | task            | Closed    | Highest    | Update image links for cyprus   | Andreas Müller | Release 5.31                | data                   |  |
| 9995  | EDIT    | discussion      | New       | Priority14 | Discuss structure of subsites for cybertaxonomy.org                           | Andreas Müller | Release 5.44                | platform               |  |
| 9994  | EDIT    | task            | Closed    | New        | Tasks from documentation meeting 3/22   | Andreas Müller | Release 5.32                | documentation          |  |
| 9992  | EDIT    | task            | New       | Highest    | Move content for developers from site.xml's to developer Wiki                 | Andreas Müller | Update<br>Documentati<br>on | documentation          |  |
| 9991  | EDIT    | task            | New       | Priority14 | Move content for users and admins from site.xml's to cybertaxonomy.org/drupal | Andreas Müller | Update<br>Documentati<br>on | documentation          |  |
| 9975  | EDIT    | task            | Resolved  | New        | Create new UML diagramms for the CDM  | Andreas Müller | Release 5.44                | documentation          | documentation  |
| 9974  | EDIT    | task            | Closed    | Highest    | Upgrade edit-production   | Andreas Müller | Release 5.31                | server-maintena<br>nce |  |

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| #    | Project | Tracker            | Status      | Priority   | Subject   | Assignee       | Target version         | Category               | Tags                        |
|------|---------|--------------------|-------------|------------|---|----------------|------------------------|------------------------|-----------------------------|
| 9973 | EDIT    | task               | Closed      | Highest    | Upgrade edit-database   | Andreas Müller | Release 5.31           | server-maintena<br>nce |                             |
| 9972 | EDIT    | task               | Closed      | Highest    | Upgrade edit-integration  | Andreas Müller | Release 5.31           | server-maintena<br>nce |                             |
| 9971 | EDIT    | task               | Closed      | Highest    | Upgrade edit-test   | Andreas Müller | Release 5.31           | server-maintena<br>nce |                             |
| 9969 | EDIT    | task               | New         | Priority14 | Get utis jmeter test running or switch off test   | Andreas Müller | Release 5.45           | utis                   |                             |
| 9968 | EDIT    | task               | New         | Priority14 | Add test/monit for testing if utis is running   | Andreas Müller | Release 5.45           | utis                   | docker                      |
| 9966 | EDIT    | bug                | In Progress | Highest    | Search order in advanced search not correct   | Andreas Müller | Release 5.43           | cdm-dataportal         | euro+med,lucene,performance |
| 9964 | EDIT    | task               | New         | New        | Improve matching of collections   | Andreas Müller | Unassigned CDM tickets | cdmlib                 |                             |
| 9963 | EDIT    | bug                | Closed      | Highest    | IndexOutOfBoundsException when moving a taxonnode or move an accepted taxon into synonymy | Andreas Müller | Release 5.30           | cdmlib                 |                             |
| 9962 | EDIT    | bug                | Closed      | New        | Primary Collector is not disabled when no collector is selected                           | Andreas Müller | Release 5.30           | taxeditor              |                             |
| 9961 | EDIT    | task               | New         | Priority13 | Automated ticket creation   | Andreas Müller | Unassigned CDM tickets | devOps                 |                             |
| 9960 | EDIT    | task               | Closed      | New        | Remove start and end date from all tickets  | Andreas Müller | Release 5.31           | devOps                 | redmine                     |
| 9957 | EDIT    | task               | New         | New        | Add category archiving plugin to redmin   | Andreas Müller | Unassigned CDM tickets | devOps                 | redmine                     |
| 9956 | EDIT    | task               | New         | New        | Remove unused Customfields from Redmine   | Andreas Müller | Unassigned CDM tickets | devOps                 | redmine                     |
| 9955 | EDIT    | task               | New         | New        | Upgrade vaadin to latest version  | Andreas Müller | Unassigned CDM tickets | cdm-vaadin             | upgrade,phycobank           |
| 9954 | EDIT    | task               | Closed      | Highest    | Refactor EDIT Platform (Wiki)<br>Documentation  | Andreas Müller | Release 5.31           | documentation          |                             |
| 9952 | EDIT    | feature<br>request | New         | New        | Improved caching strategy for taxon pages   | Andreas Müller | Unassigned CDM tickets | cdm-dataportal         |                             |
| 9950 | EDIT    | task               | New         | Priority14 | remove Scriptler Plug-in  | Andreas Müller | Release 5.44           | devOps                 | jenkins                     |
| 9949 | EDIT    | bug                | Closed      | Highest    | doGetSynonymy throws LIE in Mexico<br>Portal  | Andreas Müller | Release 5.30           | cdmlib-remote          | mexico                      |
| 9948 | EDIT    | bug                | Closed      | Highest    | Search result contains only 24 items and the next page starts with the 26th result        | Andreas Müller | Release 5.30           | cdm-dataportal         |                             |

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| #    | Project | Tracker            | Status      | Priority   | Subject  | Assignee       | Target version            | Category       | Tags   |
|------|---------|--------------------|-------------|------------|--|----------------|---------------------------|----------------|--|
| 9947 | EDIT    | bug                | New         | New        | Make DescriptionElementController inherit from base controller and remove doGetDescriptionElementAnnotations   | Andreas Müller | Release 5.45              | cdmlib-remote  |  |
| 9946 | EDIT    | task               | New         | New        | Update or remove jgitflow  | Andreas Müller | Release 5.46              | platform       |  |
| 9944 | EDIT    | task               | New         | New        | Move further methods from DescriptionService to DescriptionElementService  | Andreas Müller | Release 5.45              | cdmlib         |  |
| 9943 | EDIT    | bug                | Closed      | Highest    | webservice portal/agent delivers wrong page content  | Andreas Müller | Release 5.30              | cdmlib-remote  | phycobank                                      |
| 9941 | EDIT    | 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 | EDIT    | task               | In Progress | New        | Handle type category formatting in compact typification strings  | Andreas Müller | Release 5.43              | cdmlib         | specimen,formatting,type designation,phycobank |
| 9937 | EDIT    | feature<br>request | Duplicate   | New        | Separator for code and accession number in TypeDesignationWorkingsetFormatter  | Andreas Müller |                           | cdmlib         | specimen,formatting,phycobank                  |
| 9930 | EDIT    | task               | New         | New        | Check rounding rules for geo coordinates   | Andreas Müller | Unassigned CDM tickets    | cdmlib         |  |
| 9922 | EDIT    | task               | New         | New        | Do not save Image Server thumbnails indicating an not-existing image   | Andreas Müller | Release 5.45              | cdmlib         | image-viewer                                   |
| 9921 | EDIT    | bug                | Closed      | New        | manage/Action.jsp broken   | Andreas Müller | Release 5.29              | cdmserver      |  |
| 9919 | EDIT    | task               | Duplicate   | New        | Upgrade maven-compiler-plugin to 3.x in cdmlib   | Andreas Müller |                           | cdmlib         |  |
| 9918 | EDIT    | task               | Closed      | Highest    | Import Caryophyllaceae   | Andreas Müller | Release 5.31              | data           | import,caryophyllales                          |
| 9914 | EDIT    | bug                | Closed      | Highest    | Series part in nomenclatural sources should have a space prefix if it starts with a letter   | Andreas Müller | Release 5.29              | cdmlib         | formatting                                     |
| 9912 | EDIT    | bug                | New         | New        | java.lang.ClassCastException:<br>[Ljava.lang.String; cannot be cast to<br>java.lang.String in<br>TaxonGraphBeforeTransactionCompleteP<br>rocess L229 | Andreas Müller | Release 5.45              | cdm-vaadin     | phycobank                                      |
| 9911 | EDIT    | bug                | New         | Priority13 | Expand area search to adjacent countries   | Andreas Müller | Unassigned CDM tickets    | cdm-dataportal | terms,euro+med,search                          |
| 9909 | EDIT    | task               | New         | New        | Think about using the checker framework to avoid e.g. NPEs   | Andreas Müller | Unassigned<br>CDM tickets | architecture   |  |
| 9908 | EDIT    | feature<br>request | Closed      | New        | Add timeperiod to credits  | Andreas Müller | Release 5.32              | cdm            |  |
| 9905 | EDIT    | bug                | Closed      | Highest    | Parser is slow for names with authorteams  | Andreas Müller | Release 5.30              | cdmlib         | parser,deduplication,euro+med                  |
| 9901 | EDIT    | bug                | Closed      | Highest    | Remove unique key<br>Media_RightsInfo.rights_id  | Andreas Müller | Release 5.32              | cdm            |  |

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| #    | Project | Tracker            | Status      | Priority   | Subject  | Assignee       | Target version                     | Category                  | Tags  |
|------|---------|--------------------|-------------|------------|--|----------------|------------------------------------|---------------------------|---|
| 9898 | EDIT    | task               | New         | New        | Update utis projects to jdk 11   | Andreas Müller | UTIS 1.4                           | utis                      |   |
| 9890 | EDIT    | task               | Closed      | New        | Move importDeduplicationHelper to import state   | Andreas Müller | Release 5.29                       | cdmadapter                | import,deduplication                        |
| 9889 | EDIT    | feature<br>request | Closed      | Highest    | Implement deduplication for RIS import   | Andreas Müller | Release 5.29                       | cdmadapter                | import                                      |
| 9888 | EDIT    | feature<br>request | Closed      | Highest    | Implement RIS import for book sections   | Andreas Müller | Release 5.29                       | cdmadapter                | import                                      |
| 9887 | EDIT    | task               | Rejected    | Priority14 | remove jdk15 classifier from json-lib  | Andreas Müller |                                    | cdmlib-remote             |   |
| 9886 | EDIT    | task               | In Progress | New        | Create cdmlib modul cdmlib-api   | Andreas Müller | Release 5.45                       | cdmlib                    |   |
| 9876 | EDIT    | bug                | New         | New        | If no distribution has a status the mapUriParams are missing required parameters         | Andreas Müller | Unassigned CDM tickets             | cdmlib                    | geotools,map                                |
| 9875 | EDIT    | task               | New         | New        | Atomize Salvador specimen data   | Andreas Müller | Unassigned CDM tickets             | data                      | salvador,specimen                           |
| 9874 | EDIT    | bug                | New         | New        | Calculate endemism automatically for higher levels (in cuba)                             | Andreas Müller | Unassigned CDM tickets             | cdmlib                    |   |
| 9870 | EDIT    | feature<br>request | New         | New        | [DISCUSS] Media for gathering event  | Andreas Müller | CDM UML -<br>Next major<br>release | cdm                       | media                                       |
| 9868 | EDIT    | feature<br>request | New         | New        | [DISCUSS] FeatureState map instead of Set  | Andreas Müller | CDM UML -<br>Next major<br>release | cdm                       | additivity                                  |
| 9867 | EDIT    | task               | New         | New        | Import taxon level drawing from other publications                                       | Andreas Müller | Unassigned CDM tickets             | data                      | salvador,import                             |
| 9866 | EDIT    | task               | New         | New        | Import further Salvador images   | Andreas Müller | Unassigned CDM tickets             | cdmadapter                | salvador,import                             |
| 9865 | EDIT    | feature<br>request | New         | New        | Formatter for common names of a taxon  | Andreas Müller | Release 5.47                       | cdmlib                    | formatting,cdmlight,salvador,caryophyllales |
| 9864 | EDIT    | task               | Feedback    | New        | Evaluate "naturalearthdata" as possble dataset for maps                                  | Andreas Müller | Unassigned CDM tickets             | geotools - map<br>service | map,geotools                                |
| 9863 | EDIT    | feature<br>request | New         | Highest    | Import Salvador municipios   | Andreas Müller | Reviewed<br>Next Major<br>Release  | data                      | salvador,import                             |
| 9858 | EDIT    | feature<br>request | Closed      | New        | Add update result to aggregation algorithms  | Andreas Müller | Release 5.29                       | cdmlib                    | aggregation,matrix                          |
| 9855 | EDIT    | bug                | Closed      | Highest    | Specimen images sometimes show duplicates  | Andreas Müller | Release 5.29                       | cdmlib                    | image-viewer,specimen                       |
| 9853 | EDIT    | feature<br>request | New         | New        | [DISCUSS] Integrate collecting areas into fieldUnit/derivedUnit titleCache (or citation) | Andreas Müller | Unassigned<br>CDM tickets          | cdmlib                    | salvador,formatting                         |

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| #    | Project | Tracker            | Status      | Priority | Subject  | Assignee       | Target version         | Category       | Tags                      |
|------|---------|--------------------|-------------|----------|--|----------------|------------------------|----------------|---------------------------|
| 9852 | EDIT    | task               | New         | New      | Use rulebased creation of thumbnail links for Salvador images                      | Andreas Müller | Release 5.45           | data           | salvador,image-viewer     |
| 9849 | EDIT    | task               | Closed      | New      | Remove trailing full stops from specimen titleCaches                               | Andreas Müller | Release 5.29           | cdmlib         | formatting                |
| 9837 | EDIT    | task               | In Progress | Highest  | updadte vaadin to latets 7.* version   | Andreas Müller | Release 5.45           | cdm-vaadin     | security                  |
| 9833 | EDIT    | task               | Closed      | New      | Remove cascading from descriptive dataset  | Andreas Müller | Release 5.28           | cdmlib         |                           |
| 9831 | EDIT    | bug                | Closed      | New      | Exception in TermRepresentationUpdater if term does not exist                      | Andreas Müller | Release 5.28           | cdmlib         |                           |
| 9830 | EDIT    | bug                | Closed      | Highest  | México Distrito Federal needs accent   | Andreas Müller | Release 5.32           | cdm            |                           |
| 9829 | EDIT    | feature<br>request | New         | New      | Secure writing methods for CdmPreferences with role Role_Project_Manager           | Andreas Müller | Release 5.45           | cdmlib         | security,preferences,fast |
| 9825 | EDIT    | bug                | Closed      | Highest  | Selection wizards for areas in mulitlanguage instances show every vocabulary twice | Andreas Müller | Release 5.28           | taxeditor      | fast                      |
| 9822 | EDIT    | task               | New         | New      | Improve performance for DDS aggregation  | Andreas Müller | Release 5.47           | cdmlib         | additivity,aggregation    |
| 9814 | EDIT    | bug                | Closed      | New      | Advanced search webservice for area throws NPE (mexico portal)                     | Andreas Müller | Release 5.28           | cdmlib         | mexico                    |
| 9810 | EDIT    | task               | New         | New      | Test if BigDecimal algebra is correct in PolytomousKey algorithms                  | Andreas Müller | Release 5.47           | cdmlib         | additivity,key            |
| 9809 | EDIT    | feature<br>request | New         | New      | Implement further tags for RIS reference import                                    | Andreas Müller | Release 5.46           | cdmadapter     | import                    |
| 9804 | EDIT    | feature request    | New         | New      | Further enhance description aggregation  | Andreas Müller | Release 5.47           | cdmlib         | additivity,aggregation    |
| 9801 | EDIT    | bug                | New         | New      | Orphan removal does not work correctly for CdmLinkSource                           | Andreas Müller | CDM UML<br>5.43        | cdm            | additivity                |
| 9798 | EDIT    | feature request    | Closed      | Highest  | Import Spanish representations for countries                                       | Andreas Müller | Release 5.27           | cdmadapter     | mexico,terms              |
| 9795 | EDIT    | feature request    | Closed      | Highest  | Add literature descriptions to matrix aggregation                                  | Andreas Müller | Release 5.27           | cdmlib         | additivity                |
| 9793 | EDIT    | discussion         | New         | New      | webservice versioning strategy   | Andreas Müller | Unassigned CDM tickets | cdmlib-remote  |                           |
| 9790 | EDIT    | bug                | Closed      | Highest  | Remove source mode "highest Status" from DDS Aggregation                           | Andreas Müller | Release 5.27           | cdmlib         | additivity                |
| 9788 | EDIT    | feature<br>request | New         | New      | Add full stop at the end of bibliographic reference citations in dataportal        | Andreas Müller | Release 5.44           | cdm-dataportal | formatting,euro+med       |
| 9786 | EDIT    | feature<br>request | Closed      | Highest  | Implement tags CY and fix PY handling for RIS import                               | Andreas Müller | Release 5.27           | cdmadapter     | import                    |

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| #    | Project | Tracker            | Status      | Priority   | Subject   | Assignee       | Target version                    | Category       | Tags                    |
|------|---------|--------------------|-------------|------------|---|----------------|-----------------------------------|----------------|-------------------------|
| 9785 | EDIT    | bug                | Closed      | Highest    | Update script for missing measurment unit_ids (matrix)                  | Andreas Müller | Release 5.32                      | data           | additivity              |
| 9784 | EDIT    | bug                | New         | New        | Update script for term order of ordered CDM terms                       | Andreas Müller | CDM UML<br>5.43                   | cdm            | terms                   |
| 9782 | EDIT    | task               | Closed      | New        | Adapt abbreviation and idlnVoc for rank "proles"                        | Andreas Müller | Release 5.27                      | cdm            |                         |
| 9780 | EDIT    | feature<br>request | Closed      | Highest    | Split rank grex into grex (ICNCP) and grex (infraspec)                  | Andreas Müller | Release 5.27                      | cdm            | cultivar                |
| 9778 | EDIT    | feature<br>request | Closed      | Highest    | Add new rank terms lusus, subgrex and subproles                         | Andreas Müller | Release 5.27                      | cdm            |                         |
| 9775 | EDIT    | bug                | New         | Highest    | Open issues for web app media in the image gallery                      | Andreas Müller | Release 5.45                      | cdm-dataportal | image-viewer,media      |
| 9771 | EDIT    | feature<br>request | Closed      | Priority13 | Implement Cdm2Cdm for vocabularies                                      | Andreas Müller | Release 5.40                      | cdmadapter     | additivity,terms,import |
| 9770 | EDIT    | feature request    | New         | New        | Discuss symbols for (inverse) misapplications and pro parte synonyms    | Andreas Müller | CDM UML<br>5.43                   | cdm            |                         |
| 9769 | EDIT    | feature request    | In Progress | Priority14 | Implement sortindex field for description elements in dataportal        | Andreas Müller | Release 5.43                      | cdm-dataportal |                         |
| 9767 | EDIT    | feature request    | Duplicate   | New        | Improve labels for concept relationships                                | Andreas Müller |                                   | cdmlib         |                         |
| 9761 | EDIT    | feature<br>request | Closed      | Highest    | Add cultivarGroup as field for handling cultivar groups and grex        | Andreas Müller | Release 5.27                      | cdm            | cultivar                |
| 9759 | EDIT    | bug                | Closed      | Highest    | Person deduplication does not work due to new collectorTitleCache field | Andreas Müller | Release 5.27                      | cdmlib         |                         |
| 9757 | EDIT    | feature<br>request | Closed      | Highest    | Make cultivars, cultivar groups and grexes parsable                     | Andreas Müller | Release 5.27                      | cdmlib         | cultivar                |
| 9755 | EDIT    | feature<br>request | In Progress | Priority14 | Open issues for cultivar handling                                       | Andreas Müller | Reviewed<br>Next Major<br>Release | cdmlib         | cultivar,mexico         |
| 9754 | EDIT    | feature<br>request | Closed      | Highest    | Adapt cache strategy to support cultivar names                          | Andreas Müller | Release 5.27                      | cdmlib         | cultivar,mexico         |
| 9752 | EDIT    | task               | Closed      | Highest    | Import for Flora of Mexico  | Andreas Müller |                                   | data           | mexico                  |
| 9749 | EDIT    | bug                | Closed      | New        | NPE when opening SpecimenImportView                                     | Andreas Müller | Release 5.27                      | taxeditor      |                         |
| 9748 | EDIT    | feature<br>request | New         | New        | Refactor identifiers  | Andreas Müller | CDM UML<br>5.43                   | cdm            | identifier              |
| 9744 | EDIT    | task               | Closed      | Highest    | Find suitable name for the Freetext- or Name-Editor                     | Andreas Müller | Release 5.27                      | taxeditor      |                         |
| 9742 | EDIT    | bug                | New         | Highest    | embedded h2 database in server mode for connection pooling              | Andreas Müller | Release 5.45                      | cdmlib         | h2                      |

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| #    | Project | Tracker            | Status         | Priority   | Subject   | Assignee       | Target version         | Category       | Tags                        |
|------|---------|--------------------|----------------|------------|---|----------------|------------------------|----------------|-----------------------------|
| 9740 | EDIT    | bug                | Worksform<br>e | New        | Adapt Motive(Motif) to Subject in data portal   | Andreas Müller |                        | cdm-dataportal | fast                        |
| 9738 | EDIT    | bug                | Closed         | Highest    | NomenclaturalSourceFormatter throws<br>OutOfMemory with only protected<br>titleCache                | Andreas Müller | Release 5.27           | cdmlib         |                             |
| 9729 | EDIT    | bug                | Closed         | New        | Incomplete bean property Team.nomenclaturalTitleCache   | Andreas Müller | Release 5.27           | cdmlib         |                             |
| 9707 | EDIT    | bug                | New            | New        | Update details view (almost) immediately after parsing name   | Andreas Müller | Release 5.46           | taxeditor      |                             |
| 9705 | EDIT    | bug                | Closed         | Priority14 | Nomenclatural references with no title and microreference are not correctly formatted               | Andreas Müller | Release 5.25           | cdmlib         | formatting                  |
| 9702 | EDIT    | bug                | Closed         | Highest    | TypeDesignationSetManager repeats specimen string for specimens without field unit                  | Andreas Müller | Release 5.25           | cdmlib         | formatting,type designation |
| 9695 | EDIT    | feature<br>request | Closed         | Highest    | Implement a preference for supportsConcepts   | Andreas Müller | Release 5.25           | cdmlib         | taxonID                     |
| 9694 | EDIT    | feature request    | New            | New        | Validation Framework light  | Andreas Müller | Release 5.46           | cdmlib         | validation                  |
| 9692 | EDIT    | feature<br>request | Closed         | Priority14 | Add Operation class and link from<br>TaxonRelationship  | Andreas Müller | Release 5.25           | cdm            | taxonID                     |
| 9691 | EDIT    | bug                | New            | New        | Implement aggregates correctly for zoological names   | Andreas Müller | Unassigned CDM tickets | cdm            | zoology                     |
| 9683 | EDIT    | bug                | Closed         | Highest    | Auto-initialize root bean   | Andreas Müller | Release 5.25           | cdmlib         |                             |
| 9682 | EDIT    | feature<br>request | New            | New        | Implement source for external authors   | Andreas Müller | Unassigned CDM tickets | cdmadapter     |                             |
| 9681 | EDIT    | task               | New            | Highest    | Open issues for improving person representation   | Andreas Müller | CDM UML<br>5.43        | cdm            | formatting                  |
| 9679 | EDIT    | task               | New            | Highest    | Formatter and update script for<br>SpecimenOrObservationBase short cache                            | Andreas Müller | CDM UML<br>5.43        | cdm            | formatting                  |
| 9678 | EDIT    | task               | Closed         | Highest    | Remove Derived- and FieldUnitFacadeCacheStrategies  | Andreas Müller | Release 5.25           | cdmlib         |                             |
| 9677 | EDIT    | feature<br>request | New            | New        | Implement recombine operation   | Andreas Müller | Release 5.45           | cdmlib         |                             |
| 9675 | EDIT    | bug                | Closed         | New        | Person initials should never be empty   | Andreas Müller | Release 5.25           | cdmlib         |                             |
| 9673 | EDIT    | task               | New            | Highest    | Remove allowNull from allowOverride   | Andreas Müller | CDM UML<br>5.43        | cdm            |                             |
| 9671 | EDIT    | bug                | New            | Highest    | handshake_failure on polling for updates<br>at<br>http://eunis.eea.europa.eu/rdf/species.rdf.<br>gz | Andreas Müller | UTIS 1.4               | utis           |                             |

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| #    | Project | Tracker            | Status      | Priority   | Subject  | Assignee       | Target version         | Category   | Tags                     |
|------|---------|--------------------|-------------|------------|--|----------------|------------------------|------------|--------------------------|
| 9667 | EDIT    | feature<br>request | New         | New        | Printversion for Keys  | Andreas Müller | Unassigned CDM tickets | cdmadapter | flora-of-cyprus,key      |
| 9665 | EDIT    | bug                | Closed      | New        | Filter out property change event for created and updated and cacheStrategy   | Andreas Müller | Release 5.25           | cdmlib     |                          |
| 9664 | EDIT    | feature<br>request | Resolved    | Highest    | Add nomenclaturalTitleCache to TeamOrPersonBase  | Andreas Müller | Release 5.25           | cdm        |                          |
| 9658 | EDIT    | task               | New         | New        | Cleanup authors with protected names and authors   | Andreas Müller | Release 5.45           | data       |                          |
| 9657 | EDIT    | bug                | Closed      | Highest    | OccurrenceServiceImpl.listRootUnitDTOs<br>ByAssociatedTaxon fails with<br>HibernateException: More than one row<br>with the given identifier was found: 51 | Andreas Müller | Release 5.25           | cdmlib     |                          |
| 9656 | EDIT    | bug                | New         | New        | Closing the referencing objects view should cancel the current request   | Andreas Müller | Release 5.45           | taxeditor  | referencing-objects,fast |
| 9650 | EDIT    | task               | In Progress | Highest    | Update all titleCaches after upgrade of cache strategies and formatters  | Andreas Müller | Release 5.45           | data       | formatting               |
| 9649 | EDIT    | bug                | Closed      | New        | Specimens sometimes have empty titleCache instead of class <uuid></uuid>   | Andreas Müller | Release 5.25           | cdmlib     | formatting,fast          |
| 9648 | EDIT    | task               | New         | New        | Remove duplicated extensions   | Andreas Müller | Release 5.46           | data       | cichorieae               |
| 9644 | EDIT    | bug                | Closed      | New        | fix NPE in term selection  | Andreas Müller | Release 5.24           | taxeditor  |                          |
| 9642 | EDIT    | bug                | Closed      | Highest    | hibernate.QueryException in<br>OccurrenceDaoHibernateImpl.countMedia<br>()   | Andreas Müller | Release 5.24           | cdmlib     |                          |
| 9640 | EDIT    | feature<br>request | Closed      | Priority14 | Updated List ICN/ICBN editions   | Andreas Müller | Release 5.38           | cdmlib     | phycobank                |
| 9639 | EDIT    | feature<br>request | Closed      | New        | Replace fullAbbreviatedTitleCache by nomenclaturalTitleCache for references  | Andreas Müller | Release 5.24           | cdmlib     | formatting               |
| 9638 | EDIT    | bug                | Closed      | New        | remove trailing full stops from reference titleCaches  | Andreas Müller | Release 5.24           | cdmlib     | formatting               |
| 9636 | EDIT    | bug                | Closed      | Highest    | NPE in DeterminationDetailElement  | Andreas Müller | Release 5.24           | taxeditor  |                          |
| 9634 | EDIT    | bug                | Closed      | Highest    | Update AgentBase and DescriptiveDataSet titleCache length where needed   | Andreas Müller | Release 5.25           | cdm        |                          |
| 9632 | EDIT    | bug                | New         | New        | Handle putXXX and remove with aspectj where necessary  | Andreas Müller | Unassigned CDM tickets | cdmlib     |                          |
| 9627 | EDIT    | bug                | New         | New        | Handle updated objects correctly in monitored operations in taxeditor  | Andreas Müller | Release 5.45           | taxeditor  |                          |
| 9624 | EDIT    | task               | Closed      | Highest    | Centralize team formatting and fix et al. position handling  | Andreas Müller | Release 5.23           | cdmlib     | formatting               |

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| #    | Project | Tracker            | Status      | Priority   | Subject   | Assignee       | Target version | Category       | Tags                        |
|------|---------|--------------------|-------------|------------|---|----------------|----------------|----------------|-----------------------------|
| 9623 | EDIT    | task               | Closed      | New        | Remove<br>TaxonBaseShortSecCacheStrategy  | Andreas Müller | Release 5.23   | cdmlib         | formatting                  |
| 9622 | EDIT    | feature<br>request | In Progress | Highest    | Improve remoting progress monitor handling  | Andreas Müller | Release 5.45   | taxeditor      | remoting                    |
| 9619 | EDIT    | feature<br>request | Closed      | New        | Model changes for taxon concept strategy  | Andreas Müller | Release 5.23   | cdm            | taxonID                     |
| 9617 | EDIT    | task               | Closed      | New        | Rename ICNB to ICNP   | Andreas Müller | Release 5.23   | cdm            |                             |
| 9614 | EDIT    | task               | Closed      | New        | Use underscore as word separator for all role based groups  | Andreas Müller | Release 5.23   | cdm            | permission                  |
| 9613 | EDIT    | feature<br>request | Closed      | New        | Use fixed uuids for roles project manager, publish and user manager   | Andreas Müller | Release 5.23   | cdmlib         | permission                  |
| 9612 | EDIT    | bug                | Closed      | Highest    | ROLE_USER_MANAGER is missing as a group in FirstDataImporter  | Andreas Müller | Release 5.23   | cdmlib         | permission                  |
| 9604 | EDIT    | task               | Closed      | New        | Split bibliographic reference cache strategy and nomenclatural formatter + orginal source formatter                                   | Andreas Müller | Release 5.23   | cdmlib         | formatting                  |
| 9601 | EDIT    | bug                | Closed      | Highest    | Set secundum for subTree does not work for misapplied names   | Andreas Müller | Release 5.23   | cdmlib         |                             |
| 9599 | EDIT    | task               | In Progress | Priority14 | remove usage of<br>'reference/{uuid}/nomenclaturalCitation' in<br>portal  | Andreas Müller | Release 5.45   | cdm-dataportal |                             |
| 9598 | EDIT    | bug                | Closed      | New        | Deduplicate NamedAreas with >1 representations and include label in search  | Andreas Müller | Release 5.23   | cdmlib         |                             |
| 9597 | EDIT    | feature<br>request | Closed      | Highest    | Improve formatting of MediaSpecimen in TypeDesignationWorkingSet formatting   | Andreas Müller | Release 5.23   | cdmlib         | formatting,type designation |
| 9596 | EDIT    | feature<br>request | In Progress | Highest    | Open issues for<br>TypeDesignationWorkingSet  | Andreas Müller | Release 5.43   | cdmlib         | formatting,type designation |
| 9594 | EDIT    | task               | Closed      | New        | Use MediaSpecimen as input for MediaSpecimenGeneralDetailElement  | Andreas Müller | Release 5.23   | taxeditor      |                             |
| 9583 | EDIT    | bug                | Closed      | Highest    | Fix formatting of parent area in condensed distributions string if subareas have various status but at least 1 area has status native | Andreas Müller | Release 5.23   | cdmlib         | euro+med                    |
| 9578 | EDIT    | bug                | Closed      | New        | Multiselect for input of distribution editor creates duplicates   | Andreas Müller | Release 5.22   | cdmlib         |                             |
| 9571 | EDIT    | feature<br>request | Closed      | Highest    | Improve sec-formatting for taxa with webpage secundum   | Andreas Müller | Release 5.22   | cdmlib         | formatting                  |
| 9570 | EDIT    | feature<br>request | Closed      | Highest    | Use tagged text for<br>NameTypeDesginations name part   | Andreas Müller | Release 5.22   | cdmlib         | formatting                  |

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| #    | Project | Tracker            | Status         | Priority   | Subject   | Assignee       | Target version  | Category       | Tags                 |
|------|---------|--------------------|----------------|------------|---|----------------|-----------------|----------------|----------------------|
| 9567 | EDIT    | task               | Closed         | New        | Unify HomotypicGroupTaxonComparator and HomotypicGroupNameComparator  | Andreas Müller | Release 5.22    | cdmlib         |                      |
| 9566 | EDIT    | bug                | Closed         | New        | Handle nomenclatural standing correctly in cdmlight / sorting algorithms  | Andreas Müller | Release 5.22    | cdmlib         |                      |
| 9561 | EDIT    | feature<br>request | Closed         | Highest    | In name and taxon search if titleCache is protected the search should run on titleCache also  | Andreas Müller | Release 5.22    | cdmlib         | search               |
| 9558 | EDIT    | task               | Closed         | New        | General tests for cdmlight export   | Andreas Müller | Release 5.22    | cdmlib         | cdmlight,export      |
| 9552 | EDIT    | feature<br>request | New            | New        | Add e-article number to Reference   | Andreas Müller | CDM UML<br>5.43 | cdm            |                      |
| 9551 | EDIT    | bug                | Resolved       | New        | Recognize "series" in article parsing   | Andreas Müller | Release 5.22    | cdmlib         | parser               |
| 9550 | EDIT    | bug                | Closed         | Highest    | Recognize PhytoKeys and PLoS ONE in name parser   | Andreas Müller | Release 5.22    | cdmlib         | parser               |
| 9546 | EDIT    | feature<br>request | New            | New        | [DISCUSS] Merge ExternalLink and MediaRepresentation  | Andreas Müller | CDM UML<br>5.43 | cdm            |                      |
| 9541 | EDIT    | feature<br>request | Closed         | New        | Improve referencing objects handling  | Andreas Müller | Release 5.22    | taxeditor      |                      |
| 9539 | EDIT    | feature<br>request | In Progress    | Highest    | Implement availableFor for ExtensionType, MarkerType, AnnotationType and IdentifierType   | Andreas Müller | CDM UML<br>5.43 | cdm            |                      |
| 9536 | EDIT    | task               | Closed         | Highest    | Remove old single source citation and microCitation columns for secundum and DescriptionElementBase_OriginalSourceB ase and TaxonName_NomenclaturalStatus | Andreas Müller | Release 5.23    | cdm            |                      |
| 9530 | EDIT    | feature<br>request | Closed         | New        | Add pages to bibliographic book sections  | Andreas Müller | Release 5.23    | cdmlib         | formatting           |
| 9529 | EDIT    | bug                | Closed         | Highest    | Correct formatting for bibliographic in-reference separation  | Andreas Müller | Release 5.22    | cdmlib         | euro+med,formatting  |
| 9528 | EDIT    | task               | Worksform<br>e | Priority14 | synonymy: missplied names sensu with short authorship string  | Andreas Müller |                 | cdm-dataportal | euro+med             |
| 9526 | EDIT    | bug                | Closed         | Highest    | Sort order in E+M distribution string should be strictly alphabetic   | Andreas Müller | Release 5.22    | cdmlib         | euro+med             |
| 9525 | EDIT    | bug                | Closed         | New        | Namerelationship source label is missing sometimes  | Andreas Müller | Release 5.21    | taxeditor      |                      |
| 9524 | EDIT    | task               | In Progress    | Highest    | Use non-model objects in database queries for getDistributionInfoFor  | Andreas Müller | Release 5.43    | cdmlib         | euro+med,performance |
| 9521 | EDIT    | feature<br>request | Closed         | Highest    | Fallback areas in textual representation should always stand alone  | Andreas Müller | Release 5.21    | cdmlib         | euro+med             |

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| #    | Project | Tracker            | Status    | Priority   | Subject   | Assignee       | Target version                 | Category       | Tags  |
|------|---------|--------------------|-----------|------------|---|----------------|--------------------------------|----------------|---|
| 9520 | EDIT    | bug                | Closed    | Highest    | Taxonnode parent merge cascade leads to non-transactional behavior                                | Andreas Müller | Release 5.21                   | taxeditor      |   |
| 9518 | EDIT    | feature<br>request | Closed    | New        | Add symbol to descriptions having status individual association in facts view                     | Andreas Müller | Release 5.22                   | taxeditor      | additivity                                      |
| 9508 | EDIT    | feature<br>request | New       | Priority13 | OpenID Connect 1.0 authentication with ORCID  | Andreas Müller | Phycobank ready for submitters | cdmlib         | phycobank,OAuth2,phycobank-ready-for-submitters |
| 9507 | EDIT    | feature<br>request | Closed    | Highest    | Add ratioTo structure to Character  | Andreas Müller | Release 5.22                   | cdm            | additivity                                      |
| 9505 | EDIT    | feature<br>request | New       | New        | Set missing distribution status to "undefined"  | Andreas Müller | CDM UML<br>5.43                | cdm            |   |
| 9502 | EDIT    | feature<br>request | Resolved  | Highest    | Implement subarea preference rule and fallback areas for areas with complex hierarchy             | Andreas Müller | Release 5.39                   | cdmlib         | euro+med  |
| 9501 | EDIT    | task               | New       | New        | Find inconsistent higher area distribution status data in E+M                                     | Andreas Müller | Euro+Med<br>post<br>migration  | data           | euro+med  |
| 9500 | EDIT    | feature<br>request | Feedback  | Priority14 | Allow removing certain distribution status from distribution publication                          | Andreas Müller | Release 5.42                   | cdmlib         | euro+med  |
| 9495 | EDIT    | feature<br>request | New       | Priority13 | Add eISSN and eISBN fields if a publication is hard copy and electronic                           | Andreas Müller | Unassigned CDM tickets         | cdm-vaadin     | phycobank                                       |
| 9487 | EDIT    | feature<br>request | New       | New        | Split state (and/or other big) vocabularies   | Andreas Müller | Release 5.45                   | cdmlib         | additivity                                      |
| 9486 | EDIT    | bug                | Duplicate | New        | Fallback areas not handled in area hierarchy are not showing up correctly if subarea data exists  | Andreas Müller |                                | cdmlib         |   |
| 9484 | EDIT    | feature<br>request | Rejected  | New        | Distinguish default hidden/fallback area handling from empty list of hidden/fallback area markers | Andreas Müller |                                | cdm-dataportal | euro+med  |
| 9477 | EDIT    | bug                | Closed    | Highest    | New ordered terms do not have correct order index   | Andreas Müller | Release 5.27                   | cdmlib         |   |
| 9472 | EDIT    | bug                | Closed    | New        | Encoding problem with ProxyUtils.CollectionType leading to failing lazy collection loading        | Andreas Müller | Release 5.21                   | taxeditor      |   |
| 9469 | EDIT    | bug                | Closed    | Highest    | Searching for a UUID in bulkeditor which does not belong to a record throws an exception          | Andreas Müller | Release 5.23                   | taxeditor      |   |
| 9461 | EDIT    | bug                | Resolved  | New        | Filter in vaadin distribution editor does not work  | Andreas Müller | Release 5.20                   | cdm-vaadin     |   |
| 9460 | EDIT    | task               | New       | New        | REST API tests  | Andreas Müller | cdmlib-remot<br>e cleanup      | cdmlib-remote  | test  |

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| #    | Project | Tracker            | Status | Priority | Subject   | Assignee       | Target version            | Category  | Tags                    |
|------|---------|--------------------|--------|----------|---|----------------|---------------------------|-----------|-------------------------|
| 9459 | EDIT    | task               | New    | New      | REST API tests for UTIS   | Andreas Müller | UTIS 1.4                  | utis      | test                    |
| 9457 | EDIT    | bug                | Closed | Highest  | Distribution editor: Taxon filter broken due to invalid HQL in TaxonNodeServiceImpl.getUuidAndTitleC ache() | Andreas Müller | Release 5.20              | cdmlib    |                         |
| 9455 | EDIT    | task               | New    | Highest  | Merge DnaSample and DerivedUnit   | Andreas Müller | CDM UML<br>5.43           | cdm       |                         |
| 9454 | EDIT    | task               | New    | New      | [DISCUSS] Decide on using dozer or similar frameworks for mapping DTOs                                      | Andreas Müller | Unassigned CDM tickets    | cdmlib    |                         |
| 9451 | EDIT    | task               | Closed | Highest  | Cache strategy for classifications is missing   | Andreas Müller | Release 5.21              | cdmlib    |                         |
| 9446 | EDIT    | feature<br>request | New    | New      | Define possible derivation paths in SpecimenOrObservationType   | Andreas Müller | Release 5.46              | cdm       | fast,specimen,campanula |
| 9445 | EDIT    | task               | New    | New      | [DISCUSS] Should GatheringEvent have descriptive data   | Andreas Müller | CDM UML<br>5.43           | cdm       | campanula,specimen      |
| 9443 | EDIT    | bug                | Closed | Highest  | Improve handling of TissueSamples and others in SpecimenTreeEditor  | Andreas Müller | Release 5.20              | taxeditor |                         |
| 9441 | EDIT    | bug                | Closed | New      | Move names with invalid designation name relationships to the end in taxon comparator                       | Andreas Müller | Release 5.22              | cdmlib    |                         |
| 9439 | EDIT    | feature<br>request | New    | Highest  | Split PreferencePredicates depending on their type  | Andreas Müller | Unassigned CDM tickets    | cdmlib    | preferences             |
| 9434 | EDIT    | feature<br>request | Closed | Highest  | Add pollen, leaf and trichomes to tissue sample kind-of-unit vocabulary                                     | Andreas Müller | Release 5.20              | cdm       |                         |
| 9433 | EDIT    | feature<br>request | Closed | Highest  | Improve titleCache generation for misapplications   | Andreas Müller | Release 5.23              | cdmlib    | formatting              |
| 9431 | EDIT    | task               | New    | Highest  | OccurrenceServiceImplfindRootUnitDTO ()   | Andreas Müller | Release 5.45              | cdmlib    | specimen                |
| 9429 | EDIT    | bug                | Closed | Highest  | Taxon cache strategy handles sec details 2x in some cases   | Andreas Müller | Release 5.20              | cdmlib    | formatting              |
| 9417 | EDIT    | feature<br>request | New    | New      | Advanced issues for cache relevance handling  | Andreas Müller | Unassigned CDM tickets    | taxeditor |                         |
| 9416 | EDIT    | task               | New    | New      | Improve distribution editor sort methods  | Andreas Müller | Unassigned CDM tickets    | cdmlib    |                         |
| 9413 | EDIT    | bug                | Closed | New      | DNA details lable "Ratio of absorbance" corrected   | Andreas Müller | Release 5.19              | taxeditor |                         |
| 9409 | EDIT    | feature<br>request | New    | New      | [Decision] Which terms should be editable in term tree editor (and vocabulary editor)                       | Andreas Müller | Unassigned<br>CDM tickets | taxeditor |                         |

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| #    | Project | Tracker            | Status      | Priority   | Subject  | Assignee       | Target version                    | Category                  | Tags         |
|------|---------|--------------------|-------------|------------|--|----------------|-----------------------------------|---------------------------|--------------|
| 9406 | EDIT    | feature<br>request | Rejected    | Priority12 | Open issue for Edaphobase rank web service   | Andreas Müller | Reviewed<br>Next Major<br>Release | cdmlib-remote             | edapho       |
| 9405 | EDIT    | bug                | Closed      | Highest    | Fields set to irrelevant for cache should be set by state only   | Andreas Müller | Release 5.19                      | taxeditor                 |              |
| 9404 | EDIT    | feature<br>request | New         | New        | Open issues for Tropicos Import  | Andreas Müller | Release 5.46                      | cdmadapter                |              |
| 9396 | EDIT    | bug                | In Progress | Highest    | nomenclatural status missing in typedesignations shown in synonymy   | Andreas Müller | Release 5.43                      | cdmlib-remote             | cuba         |
| 9386 | EDIT    | bug                | New         | Highest    | orthographic variants should not be symmetrical  | Andreas Müller | CDM UML<br>5.43                   | cdm                       |              |
| 9384 | EDIT    | bug                | Closed      | Highest    | DefaultReferenceCacheStrategy.createSh ortCitation() working not correctly for Teams with two members                            | Andreas Müller | Release 5.19                      | cdmlib                    | phycobank    |
| 9377 | EDIT    | task               | In Progress | Highest    | Update of other platform user documentation  | Andreas Müller | Update<br>Documentati<br>on       | documentation             |              |
| 9367 | EDIT    | bug                | New         | Highest    | E+M shapefile Baltic subarea borders always visible and remove Georgian subdivisions   | Andreas Müller | Release 5.45                      | geotools - map<br>service | euro+med,map |
| 9366 | EDIT    | bug                | Closed      | New        | Specimen type designation with specimen having only collection name but not collection code does not show collection information | Andreas Müller | Release 5.19                      | cdmlib                    |              |
| 9364 | EDIT    | task               | Closed      | Highest    | Cleanup authors with multiple & and protected names and teams  | Andreas Müller |                                   | data                      | formatting   |
| 9363 | EDIT    | feature<br>request | New         | New        | Allow to parse the new team when converting person to team   | Andreas Müller | Unassigned CDM tickets            | cdmlib                    |              |
| 9359 | EDIT    | task               | Closed      | Highest    | Update cdmlib, taxeditor, cdmserver etc. dependencies  | Andreas Müller | Release 5.35                      | cdmlib                    |              |
| 9349 | EDIT    | bug                | New         | New        | Open issues for classification cloning   | Andreas Müller | Release 5.46                      | cdmlib                    |              |
| 9346 | EDIT    | bug                | Closed      | Highest    | Adding specimen to character matrix fails sometimes  | Andreas Müller | Release 5.19                      | taxeditor                 | additivity   |
| 9341 | EDIT    | feature<br>request | New         | New        | Move local datasource access fully to taxeditor.local  | Andreas Müller | Release 5.46                      | taxeditor                 |              |
| 9332 | EDIT    | feature<br>request | Closed      | Highest    | Rename TypeDesignationBase.source to .designationSource  | Andreas Müller | Release 5.22                      | cdm                       |              |
| 9331 | EDIT    | feature<br>request | Closed      | Highest    | Distinguish DescriptionElementSource and NamedSource   | Andreas Müller | Release 5.22                      | cdm                       |              |
| 9330 | EDIT    | task               | Closed      | Highest    | Remove "NomenclaturalSource" from OriginalSourceType   | Andreas Müller | Release 5.22                      | cdm                       |              |

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| #    | Project | Tracker            | Status      | Priority   | Subject   | Assignee       | Target version  | Category       | Tags                        |
|------|---------|--------------------|-------------|------------|---|----------------|-----------------|----------------|-----------------------------|
| 9327 | EDIT    | feature<br>request | Closed      | Highest    | Make taxon secundum reference an original source  | Andreas Müller | Release 5.22    | cdm            |                             |
| 9322 | EDIT    | bug                | Closed      | Priority14 | Remove invalid designation taxon relationship   | Andreas Müller | Release 5.18    | cdmlib         |                             |
| 9320 | EDIT    | feature<br>request | In Progress | Highest    | Move additional publication information to nomenclatural source                                     | Andreas Müller | CDM UML<br>5.43 | cdm            |                             |
| 9317 | EDIT    | bug                | In Progress | Highest    | Handle NameTypeDesignations on name basis not on homotypic group basis in outputs                   | Andreas Müller | Release 5.43    | cdmlib         |                             |
| 9315 | EDIT    | task               | Closed      | Highest    | Remove old single source citation and microCitation columns   | Andreas Müller | Release 5.22    | cdm            |                             |
| 9314 | EDIT    | task               | New         | New        | Swap 'is conserved against'   | Andreas Müller | CDM UML<br>5.43 | cdm            |                             |
| 9312 | EDIT    | bug                | Closed      | Highest    | NullPointerException (NPE) in TaxonNamePopupEditor  | Andreas Müller |                 | cdmlib         | phycobank                   |
| 9311 | EDIT    | bug                | Closed      | New        | Update some (abbrev) labels for nomenclatural status types  | Andreas Müller | Release 5.18    | cdm            |                             |
| 9305 | EDIT    | feature request    | New         | New        | Include additional TypeDesignationStatus sort order (term tree) in CDM terms                        | Andreas Müller | CDM UML<br>5.43 | cdm            |                             |
| 9303 | EDIT    | bug                | New         | New        | [DISCUSS+IMPLEMENT] Make type designation micro references for non-lectotypes editable in TaxEditor | Andreas Müller | Release 5.45    | taxeditor      |                             |
| 9302 | EDIT    | bug                | In Progress | New        | Phycobank related issues for<br>TypeDesignation formatting  | Andreas Müller | Release 5.45    | cdmlib         | formatting                  |
| 9297 | EDIT    | feature request    | Closed      | New        | Improve name of zip file for cdmLightExport   | Andreas Müller | Release 5.18    | taxeditor      |                             |
| 9292 | EDIT    | feature request    | New         | Highest    | find by name parts search implemented   | Andreas Müller | UTIS 1.4        | utis           |                             |
| 9282 | EDIT    | feature request    | Closed      | Priority14 | Add nomenclatural standing  | Andreas Müller | Release 5.18    | cdm            |                             |
| 9280 | EDIT    | task               | Closed      | Highest    | Refactor: IKeyTerm.getMessage()> IKeyTerm.getLabel()  | Andreas Müller | Release 5.18    | cdmlib         |                             |
| 9279 | EDIT    | feature<br>request | Closed      | Highest    | Improve type designation formatting and TypeDesignationSetManager                                   | Andreas Müller | Release 5.18    | cdmlib         | formatting,type designation |
| 9273 | EDIT    | feature<br>request | New         | New        | [DISCUSS] Unify Nomenclatural status and name relationships   | Andreas Müller | CDM UML<br>5.43 | cdm            |                             |
| 9272 | EDIT    | feature<br>request | Closed      | Highest    | Add missing nomenclatural status  | Andreas Müller | Release 5.18    | cdm            |                             |
| 9271 | EDIT    | feature<br>request | In Progress | Highest    | Improve E+M dataportal performance  | Andreas Müller | Release 5.43    | cdm-dataportal | euro+med,performance        |

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| #    | Project | Tracker            | Status      | Priority   | Subject  | Assignee       | Target version | Category       | Tags                  |
|------|---------|--------------------|-------------|------------|--|----------------|----------------|----------------|-----------------------|
| 9269 | EDIT    | task               | New         | New        | discuss with the flora of greece people if the new image viewer is to be activated                       | Andreas Müller | Release 5.46   | cdm-dataportal | image-viewer          |
| 9268 | EDIT    | task               | New         | New        | Check cdm for GC G1 humongous objects problem  | Andreas Müller | Release 5.44   | cdmlib         | performance           |
| 9263 | EDIT    | bug                | Closed      | Highest    | Unify case for type designation status   | Andreas Müller | Release 5.18   | cdm            |                       |
| 9237 | EDIT    | bug                | Closed      | Highest    | FeatureTree SortIndex updater creates wrong sortindex  | Andreas Müller | Release 5.25   | cdmlib         |                       |
| 9231 | EDIT    | task               | In Progress | New        | Create statistics for Euro+Med   | Andreas Müller | Release 5.45   | data           |                       |
| 9228 | EDIT    | task               | In Progress | Highest    | Adaptations to allow editing Centaurea in Flora of Greece  | Andreas Müller | Release 5.45   | data           |                       |
| 9225 | EDIT    | feature<br>request | Closed      | Highest    | Make TaxonName.nomenclaturalSource a new DescriptionElementSource subclass                               | Andreas Müller | Release 5.18   | cdm            |                       |
| 9223 | EDIT    | bug                | Resolved    | Highest    | make changes of nomenclatural references detectable again in TaxonGraphBeforeTransactionCompleteP rocess | Andreas Müller | Release 5.18   | cdmlib         |                       |
| 9214 | EDIT    | bug                | New         | New        | It is not possible to create a new schema in h2 database   | Andreas Müller | Release 5.46   | cdmlib         |                       |
| 9211 | EDIT    | feature<br>request | Closed      | Highest    | Handle source(s) for Classification  | Andreas Müller | Release 5.22   | cdm            |                       |
| 9208 | EDIT    | task               | Closed      | Highest    | Move cdmlib-print and cdmib-remote to taxeditor.printpublisher   | Andreas Müller | Release 5.19   | taxeditor      |                       |
| 9207 | EDIT    | task               | Duplicate   | Highest    | update ehcache dependency and handle hibernate-ehcache   | Andreas Müller |                | cdmlib         | ehcache               |
| 9206 | EDIT    | task               | Closed      | Highest    | Solve cglib vs. cglib-nodep  | Andreas Müller | Release 5.18   | cdmlib         |                       |
| 9205 | EDIT    | task               | Closed      | Priority14 | Remove apache-log4j-extras from TaxEditor dependencies   | Andreas Müller | Release 5.32   | taxeditor      |                       |
| 9204 | EDIT    | feature<br>request | Closed      | New        | Update cdmlib and taxeditor dependencies   | Andreas Müller | Release 5.18   | cdmlib         |                       |
| 9197 | EDIT    | feature request    | Rejected    | Highest    | Handle caucasus conspectus data in E+M and caucasus portal   | Andreas Müller |                | cdmlib         | euro+med,caucasus,map |
| 9195 | EDIT    | task               | Duplicate   | New        | Map TDWG area term to new layer tdwg_levels_1_4  | Andreas Müller |                | data           |                       |
| 9194 | EDIT    | feature<br>request | Closed      | New        | Make RelationshipBase and<br>NomenclaturalStatus reference<br>OriginalSource                             | Andreas Müller | Release 5.18   | cdmlib         |                       |
| 9163 | EDIT    | task               | Closed      | Highest    | Remove redundant exclude notes for Flora of Greece   | Andreas Müller |                | data           |                       |
| 9161 | EDIT    | task               | Rejected    | Priority13 | E+M shapefile with Kaukasus regions  | Andreas Müller |                | data           | map,euro+med,caucasus |

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| #    | Project | Tracker            | Status      | Priority   | Subject  | Assignee       | Target version         | Category       | Tags                   |
|------|---------|--------------------|-------------|------------|--|----------------|------------------------|----------------|------------------------|
| 9159 | EDIT    | feature<br>request | New         | New        | Add page matching to parsed reference matching                                   | Andreas Müller | Unassigned CDM tickets | cdmlib         |                        |
| 9158 | EDIT    | feature<br>request | New         | New        | Handle identiy matching in matching framework                                    | Andreas Müller | Unassigned CDM tickets | cdmlib         |                        |
| 9157 | EDIT    | bug                | In Progress | New        | Further improve deduplication of names   | Andreas Müller | Release 5.46           | cdmlib         |                        |
| 9150 | EDIT    | task               | New         | New        | Test if the overriding of setTitleCache in Media class makes really sense        | Andreas Müller | Release 5.46           | cdmlib         |                        |
| 9149 | EDIT    | bug                | Duplicate   | Highest    | NPE when saving hybrid formula   | Andreas Müller |                        | taxeditor      |                        |
| 9147 | EDIT    | bug                | Closed      | New        | Use StringBuilder in CdmUtils.concat() to avoid performance penalties            | Andreas Müller | Release 5.17           | cdmlib         |                        |
| 9145 | EDIT    | bug                | Closed      | Highest    | Add sources to E+M IPNI distribution data  | Andreas Müller |                        | data           | euro+med,import        |
| 9143 | EDIT    | bug                | Closed      | Highest    | Distribution data sources are missing if multiple distributions exist            | Andreas Müller | Release 5.20           | cdm-dataportal | euro+med               |
| 9140 | EDIT    | bug                | Resolved    | New        | Deleting an image forgets moving operation                                       | Andreas Müller | Release 5.19           | taxeditor      |                        |
| 9137 | EDIT    | feature<br>request | Closed      | Highest    | IPTC Keywords (and maybe other information) is not shown in Universal Viewer yet | Andreas Müller | Release 5.17           | cdm-dataportal | image-viewer           |
| 9132 | EDIT    | task               | In Progress | Highest    | Update cyprus images to Scaler default API and add thumbnails                    | Andreas Müller | Release 5.45           | data           |                        |
| 9129 | EDIT    | task               | Closed      | New        | cdm property to store a default copyright statement for media items              | Andreas Müller | Release 5.17           | cdmlib         |                        |
| 9127 | EDIT    | task               | New         | Priority14 | Import Flora of Uzbekistan specimen data   | Andreas Müller | Release 5.46           | cdmadapter     |                        |
| 9126 | EDIT    | bug                | Closed      | Priority14 | Import Flora of Uzbekistan phenology data  | Andreas Müller |                        | cdmadapter     |                        |
| 9125 | EDIT    | task               | Closed      | Highest    | Import Flora of Uzbekistan taxon descriptions                                    | Andreas Müller |                        | cdmadapter     |                        |
| 9124 | EDIT    | bug                | Closed      | Highest    | Altitude feature should have [m] as measurement unit by default                  | Andreas Müller | Release 5.18           | cdm            |                        |
| 9123 | EDIT    | task               | Closed      | Priority14 | Fix BigDecimal algebra in aggregation algorithms                                 | Andreas Müller | Release 5.27           | cdmlib         | additivity,aggregation |

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