

## EDIT - feature request #7980

### Enhance matrix description aggregation

01/14/2019 10:40 AM - Patrick Plitzner

<b>Status:</b>	Closed	<b>Start date:</b>	
<b>Priority:</b>	Highest	<b>Due date:</b>	
<b>Assignee:</b>	Andreas Müller	<b>% Done:</b>	100%
<b>Category:</b>	cdmlib	<b>Estimated time:</b>	0:00 hour
<b>Target version:</b>	Release 5.27		
<b>Severity:</b>	normal		
<b>Description</b>			
Make aggregation configurable:			
<ul style="list-style-type: none"><li>• <del>Consider literature values during aggregation</del> <a href="#">#9795</a></li><li>• Consider default values during aggregation</li><li>• Deal with outliers etc.</li><li>• Improve error and batch size handling</li><li>• <del>Correct rounding: <a href="#">#9123</a></del></li><li>• <del>from <a href="#">#8713</a>: Remove empty categorical data creation</del></li><li>• configuration for cloned descriptions (specimen &amp; taxon descriptions)</li><li>• further tests (<a href="#">#8713</a>) =&gt; a couple of more tests were implemented already</li><li>• measurement units if they are not equal (e.g. mm&lt;-&gt;cm), needs model changes before</li></ul>			
<b>Related issues:</b>			
Related to EDIT - feature request #7981: Add configuration UI for matrix desc...		<b>Closed</b>	
Related to EDIT - task #9123: Fix BigDecimal algebra in aggregation algorithms		<b>Closed</b>	
Related to EDIT - task #8871: Remaining issues to unify description aggregati...		<b>In Progress</b>	
Related to EDIT - bug #9801: Orphan removal does not work correctly for CdmLi...		<b>New</b>	
Copied to EDIT - feature request #9795: Add literature descriptions to matrix...		<b>Closed</b>	
Copied from EDIT - feature request #8713: Improve structured descriptive data...		<b>Closed</b>	
Copied to EDIT - feature request #9804: Further enhance description aggregation		<b>New</b>	

#### Associated revisions

**Revision ad4999ae - 01/14/2019 10:40 AM - Patrick Plitzner**

ref #7980 Delete existing aggregation when re-aggregating

**Revision e55c87fd - 09/29/2021 10:02 AM - Andreas Müller**

ref #7980 add exception message to unhandled exception handling

**Revision 3b6350d6 - 09/30/2021 05:46 PM - Andreas Müller**

ref #7980 fix NPE for StateData having no state

**Revision 11baea18 - 10/04/2021 02:06 PM - Andreas Müller**

ref #7980 remove multiple description items for same feature from reused description

**Revision 0b54e3e1 - 10/04/2021 02:12 PM - Andreas Müller**

ref #7980, ref #8871 reuse description items for DDS aggregation

**Revision 09b7d505 - 10/05/2021 11:30 PM - Andreas Müller**

ref #7980, ref #8871, ref #9795 fix source handling in StructuredDescriptionAggregation

**Revision 4296d7cb - 10/06/2021 02:16 PM - Andreas Müller**

ref #7980 reduce minFreeHeap for aggregation

**Revision 37cdc012 - 10/06/2021 02:31 PM - Andreas Müller**

ref #7980 reduce minFreeHeap for aggregation (cont.)

**Revision ac67f386 - 10/06/2021 02:31 PM - Andreas Müller**

ref #7980 minor changes to aggregation tests

**Revision 5f20c74a - 10/06/2021 06:28 PM - Andreas Müller**

ref #7980 delete not needed descriptions after aggregation

**Revision 7e1619ea - 10/07/2021 10:04 AM - Andreas Müller**

ref #8871, ref #7980 adapt available source modes for DDS aggregation

**Revision 82b18118 - 10/07/2021 11:04 AM - Andreas Müller**

ref #8871, ref #7980 handle aggregation source modes for SDD aggregation

**Revision 6163ee20 - 10/07/2021 01:02 PM - Andreas Müller**

ref #8871, ref #7980 handle aggregation source mode TAXON for toParent

**Revision f677247f - 10/07/2021 03:56 PM - Andreas Müller**

ref #7981, ref #7980, ref #8871 explicitly defined source modes for aggregation configurators

**Revision 6b6b71cf - 10/07/2021 04:20 PM - Andreas Müller**

ref #7980 fix tests for aggregation source mode

**Revision 6ce5c551 - 10/07/2021 06:29 PM - Andreas Müller**

ref #7980 fix aggregation for measurement units (still open are not equal units)

**Revision bdd1b0c7 - 10/07/2021 06:31 PM - Andreas Müller**

ref #7980 fix aggregation for titleCache of reused descriptions

**Revision 1a96d01d - 10/07/2021 07:42 PM - Andreas Müller**

ref #7980, ref #8871 improve error handling and verification in aggregations

**Revision ef1a6397 - 10/08/2021 10:30 AM - Andreas Müller**

ref #7980 fix NoSuchElementException exception

**Revision 7fee6b88 - 10/08/2021 01:04 PM - Andreas Müller**

ref #7980 fix NoSuchElementException exception (cont.)

**Revision 541ae6bc - 10/08/2021 01:31 PM - Andreas Müller**

ref #7980 fix concurrent modification exception

**Revision 3c420001 - 10/08/2021 09:39 PM - Andreas Müller**

ref #9801, ref #7980, ref #8871 remove aggregated source descriptions from aggregation and fix persistence issues

## History

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**#1 - 01/14/2019 10:42 AM - Patrick Plitzner**

- Related to feature request #7981: Add configuration UI for matrix description aggregation added

**#2 - 04/21/2020 10:34 AM - Andreas Müller**

- Related to feature request #8713: Improve structured descriptive data aggregation added

**#3 - 04/21/2020 10:35 AM - Andreas Müller**

- Assignee changed from Patrick Plitzner to Andreas Müller

- Target version changed from Unassigned CDM tickets to Release 5.15

**#4 - 06/23/2020 01:45 PM - Andreas Müller**

- Target version changed from Release 5.15 to Release 5.18

**#5 - 12/03/2020 05:56 PM - Andreas Müller**

- Target version changed from Release 5.18 to Release 5.19

**#6 - 01/27/2021 03:43 PM - Andreas Müller**

- Target version changed from Release 5.19 to Release 5.21

**#7 - 03/10/2021 02:35 PM - Andreas Müller**

- Target version changed from Release 5.21 to Release 5.22

**#8 - 04/16/2021 09:46 PM - Andreas Müller**

- Target version changed from Release 5.22 to Release 5.46

**#9 - 09/28/2021 11:17 PM - Andreas Müller**

- Description updated

**#10 - 09/28/2021 11:19 PM - Andreas Müller**

- Copied to feature request #9795: Add literature descriptions to matrix aggregation added

**#11 - 09/28/2021 11:21 PM - Andreas Müller**

- Description updated

**#12 - 09/28/2021 11:22 PM - Andreas Müller**

- % Done changed from 0 to 20

**#13 - 09/29/2021 10:02 AM - Andreas Müller**

- Description updated

**#14 - 09/29/2021 11:50 AM - Andreas Müller**

- Related to task #9123: Fix BigDecimal algebra in aggregation algorithms added

**#15 - 09/29/2021 11:50 AM - Andreas Müller**

- Description updated

**#16 - 09/29/2021 03:42 PM - Andreas Müller**

- Description updated

**#17 - 09/29/2021 03:45 PM - Andreas Müller**

- Description updated

**#18 - 09/29/2021 03:47 PM - Andreas Müller**

- Copied from feature request #8713: Improve structured descriptive data aggregation added

**#19 - 09/29/2021 03:47 PM - Andreas Müller**

- Related to deleted (feature request #8713: Improve structured descriptive data aggregation)

**#20 - 09/30/2021 02:56 PM - Andreas Müller**

- Related to task #8679: Further unify description aggregation methods added

**#21 - 09/30/2021 02:57 PM - Andreas Müller**

- Related to task #8871: Remaining issues to unify description aggregation methods added

**#22 - 09/30/2021 02:57 PM - Andreas Müller**

- Related to deleted (task #8679: Further unify description aggregation methods )

**#23 - 10/07/2021 01:10 PM - Andreas Müller**

- Description updated

**#24 - 10/07/2021 01:16 PM - Andreas Müller**

- Description updated

**#25 - 10/07/2021 01:19 PM - Andreas Müller**

- Description updated

**#26 - 10/07/2021 06:30 PM - Andreas Müller**

- Description updated

**#27 - 10/08/2021 09:36 PM - Andreas Müller**

- Related to bug #9801: Orphan removal does not work correctly for CdmLinkSource added

**#28 - 10/11/2021 03:27 PM - Andreas Müller**

- Tags changed from additivity to additivity, aggregation

- Target version changed from Release 5.46 to Release 5.27

- % Done changed from 20 to 100

open issues moved to [#9804](#)

**#29 - 10/11/2021 03:28 PM - Andreas Müller**

- Copied to feature request #9804: Further enhance description aggregation added

**#30 - 10/11/2021 03:30 PM - Andreas Müller**

- Status changed from New to Closed

- Priority changed from New to Highest