

## EDIT - task #9252

### Harmonize SpecimenOrObservationBase related DTOs

10/14/2020 02:03 PM - Andreas Kohlbecker

<b>Status:</b>	Closed	<b>Start date:</b>	
<b>Priority:</b>	Highest	<b>Due date:</b>	
<b>Assignee:</b>	Andreas Kohlbecker	<b>% Done:</b>	100%
<b>Category:</b>	cdmlib	<b>Estimated time:</b>	0:00 hour
<b>Target version:</b>	Release 5.18		
<b>Severity:</b>	normal		
<b>Description</b>			
Problems with the current implementations:			
<ul style="list-style-type: none"><li>• Naming:<ul style="list-style-type: none"><li>◦ PreservedSpecimenDTO should be named DerivedUnitDTO</li><li>◦ DerivateDTO should be named SpecimenOrObservationDTO</li></ul></li><li>• Terms:<ul style="list-style-type: none"><li>◦ term representations need to be localized</li><li>◦ fields containing localized term representations are to be named {fieldname}_L10n</li></ul></li><li>• Factory methods<ul style="list-style-type: none"><li>◦ clear naming etc....</li><li>◦ construction of DTO should be done in factory methods instead of having this code in service methods and utilizing setters to populate the DTO with field values , see<ul style="list-style-type: none"><li>▪ OccurrenceServiceImpl.assembleFieldUnitDTO(FieldUnit fieldUnit)</li><li>▪ OccurrenceServiceImpl.findFieldUnitDTO(SpecimenOrObservationBaseDTO, Collection&lt;FieldUnitDTO&gt;, HashMap&lt;UUID, SpecimenOrObservationBaseDTO&gt;)</li><li>▪ OccurrenceServiceImpl.loadFieldUnitDTO(UUID)</li></ul></li></ul></li><li>• DTO classes should extend TypeEntityReference instead of UuidAndTitleCache</li></ul>			
Solving this ticket is a prerequisite for straight forward harmonization of the different specimen representations <a href="#">#8419</a>			
Additional:			
<ul style="list-style-type: none"><li>• add missing fields (example values for <i>Glenodinium apiculatum</i> as in integration reference db)<ul style="list-style-type: none"><li>◦ Stored under: Glenodinium apiculatum Ehrenb. - <b>DONE</b></li><li>◦ Original label info: Glenodinium spec. determination pending. - <b>DONE</b></li><li>◦ Determinations: Glenodinium apiculatum Ehrenb., 2016-12-01, Kohlbecker, A., - <b>DONE</b></li><li>◦ Exsiccatum: D. Veloper - <b>DONE</b></li></ul></li></ul>			
Last TODOS:			
SpecimenOrObservationBaseDTO			
<ul style="list-style-type: none"><li>• use IEnumTerm for recordBase - <b>DONE</b></li><li>• rename property derivates to derivatives - <b>DONE</b></li><li>• use DTO for Set&lt;IdentifiableSource&gt; sources ==&gt; copied to <a href="#">#9293</a></li><li>• remove the deprecated getListLabel() property - <b>DONE</b></li></ul>			
<b>Related issues:</b>			
Related to EDIT - task #8419: Harmonization of the different specimen repre...		<b>In Progress</b>	
Related to EDIT - task #9253: revise OccurrenceServiceImpl.findFieldUnitDTO(..)		<b>Closed</b>	
Related to EDIT - feature request #9258: Use Partial for date in FieldUnitDTO		<b>Closed</b>	
Related to EDIT - task #9259: reduce fields in TermBase json serializations		<b>Closed</b>	
Related to EDIT - task #9293: Use use DTO for Set<IdentifiableSource> sources...		<b>New</b>	
Related to EDIT - bug #9238: pure entities in DerivateDTO.derivates may cause...		<b>Closed</b>	
Copied to EDIT - task #9276: improve DerivateDataDTO		<b>New</b>	

### Associated revisions

**Revision f99e8546 - 10/14/2020 02:04 PM - Andreas Kohlbecker**

ref #9252 harmonizing SpecimenOrObservationBase related DTOs

**Revision 005402b8 - 10/14/2020 02:14 PM - Andreas Kohlbecker**

ref #9252 harmonizing SpecimenOrObservationBase related DTOs

**Revision 0979f889 - 10/14/2020 02:46 PM - Andreas Kohlbecker**

ref #9252 harmonizing SpecimenOrObservationBase related DTOs - renaming classes

**Revision ca486eb2 - 10/14/2020 02:46 PM - Andreas Kohlbecker**

ref #9252 harmonizing SpecimenOrObservationBase related DTOs - adapting portal to renamed classes

**Revision a72a8bbf - 10/15/2020 08:34 AM - Andreas Kohlbecker**

ref #9252 adapting texedior to renamed DTO classes

**Revision 8dcc00a3 - 10/15/2020 08:52 AM - Andreas Kohlbecker**

ref #9252 adapting service method no new DTO name

**Revision 06b2c5f6 - 10/15/2020 12:27 PM - Andreas Kohlbecker**

ref #9252 ref #9257 exposing SpecimenOrObservationType filter to factory method and better flag handling

**Revision a9527b12 - 10/15/2020 03:35 PM - Andreas Kohlbecker**

ref #9252 determining hasTypes from actual data and fixing type problems in methods

**Revision 5830e16a - 10/15/2020 04:13 PM - Andreas Kohlbecker**

ref #9252 adapting specimen tree view to more data coming with FieldUnitDTO

**Revision 7d539adb - 10/15/2020 04:48 PM - Andreas Kohlbecker**

ref #9252 suppressing FieldUnitDTO fields in specimen tree view

**Revision 970272ed - 10/15/2020 05:28 PM - Andreas Kohlbecker**

ref #9252 basing SpecimenOrObservationBaseDTO on TypedEntityReference

**Revision b1a675d1 - 10/15/2020 05:40 PM - Andreas Kohlbecker**

ref #8423 ref #9253, ref #9252 fixing duplicate addition of DerivedUnitDTOs

**Revision 69b6c2b3 - 10/16/2020 12:04 PM - Andreas Kohlbecker**

ref #8419 ref #9252 introducing specimenIdentifier field in DTO and experimental accessionNumber cleanup

**Revision eacf1ee2 - 10/16/2020 12:06 PM - Andreas Kohlbecker**

ref #9252, ref #8423 adapting specimen tree view to fixed derivative path merging and other changes

**Revision c15eb727 - 10/16/2020 06:01 PM - Andreas Kohlbecker**

ref #9252 localizing kind of unit in SpecimenOrObservationBaseDTO

**Revision 2e893626 - 10/16/2020 06:02 PM - Andreas Kohlbecker**

ref #9252 localizing kind of unit in SpecimenOrObservationBaseDTO - adapting portal

**Revision 7e0e6396 - 10/19/2020 08:27 AM - Andreas Kohlbecker**

ref #9252 using DefinedTermBase for term fields in DTOs and TypedEntityReference for indentifications

**Revision d1088a53 - 10/19/2020 08:28 AM - Andreas Kohlbecker**

ref #9252 adapting portal to latest DTO changes

**Revision ce9ce745 - 10/19/2020 09:40 AM - Andreas Kohlbecker**

ref #9252 adapting test

**Revision de30431b - 10/19/2020 02:05 PM - Andreas Kohlbecker**

ref #9252 moving fieldUnitDTO creation into transactional context

**Revision afcf5f85 - 10/19/2020 02:09 PM - Andreas Kohlbecker**

ref #9252 moving fieldUnitDTO creation into transactional context - fixing careless mistake

**Revision e1779d28 - 10/19/2020 04:08 PM - Andreas Kohlbecker**

ref #9252 adding id as property to recover lost UuidAndTitleCache property for the taxeditor

**Revision 0eb187f5 - 10/19/2020 04:09 PM - Andreas Kohlbecker**

ref #9252 adapting Taxeditor to moodified DTOs

**Revision 7502200f - 10/19/2020 07:50 PM - Andreas Kohlbecker**

ref #9252 adapting Taxeditor to modified DTOs - 2

**Revision d9b0c185 - 10/19/2020 09:41 PM - Andreas Kohlbecker**

ref #9252 using TypedEntityReference for DerivedUnitDTO.associatedTaxa

**Revision 33d3036f - 10/19/2020 09:56 PM - Andreas Kohlbecker**

ref #9252 adding mostSignificantIdentifier to DerivedUnitDTO

**Revision 604416f3 - 10/19/2020 10:44 PM - Andreas Kohlbecker**

ref #9252 adapting Taxeditor to modified DTOs - 3

**Revision 9c9b6874 - 10/22/2020 04:11 PM - Andreas Kohlbecker**

ref #9252 adding MediaSpecimen.media to DerivedUnitDTO.listOfMedia

**Revision 54b7f04e - 11/04/2020 12:42 PM - Andreas Kohlbecker**

ref #9252 documenting further needed refactoring

**Revision 25dfcf2f - 11/04/2020 12:42 PM - Andreas Kohlbecker**

ref #9252 using IEnumTerm for recordBase

**Revision 8a605860 - 11/04/2020 03:04 PM - Andreas Kohlbecker**

ref #9252 using IEnumTerm for recordBase - adapting dataportal

**Revision 03b91810 - 11/04/2020 03:09 PM - Andreas Kohlbecker**

ref #9252 removing deprecated property listLabel

**Revision f51e4e4e - 11/04/2020 03:09 PM - Andreas Kohlbecker**

ref #9252 removing deprecated property listLabel - adapting dataportal

**Revision 0ff8cbcf - 11/04/2020 03:16 PM - Andreas Kohlbecker**

ref #9252 renaming property derivates to derivatives - adapting dataportal

**Revision 002cdd32 - 11/04/2020 03:16 PM - Andreas Kohlbecker**

ref #9252 renaming property derivates to derivatives

**Revision d5d943cb - 11/06/2020 01:24 PM - Andreas Kohlbecker**

ref #9252 adapting portal to latest DTO changes

**Revision 9ad46d6b - 11/06/2020 01:26 PM - Andreas Kohlbecker**

ref #9252 piping baseofRecord through KeyTermValueProcessor

## History

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#1 - 10/14/2020 02:04 PM - Andreas Kohlbecker

- Related to task #8419: Harmonization of the different specimen representations added

**#2 - 10/14/2020 02:54 PM - Andreas Kohlbecker**

- Description updated

**#3 - 10/14/2020 02:55 PM - Andreas Kohlbecker**

- Description updated

**#4 - 10/14/2020 02:56 PM - Andreas Kohlbecker**

- Description updated

**#5 - 10/15/2020 11:11 AM - Andreas Kohlbecker**

- Related to task #9253: revise OccurrenceServiceImpl.findFieldUnitDTO(..) added

**#6 - 10/15/2020 03:36 PM - Andreas Kohlbecker**

- Status changed from New to In Progress

- % Done changed from 0 to 40

**#7 - 10/15/2020 03:38 PM - Andreas Kohlbecker**

now only the term related tasks are left to do

**#8 - 10/16/2020 12:11 PM - Andreas Kohlbecker**

- Related to feature request #9258: Use Partial for date in FieldUnitDTO added

**#9 - 10/16/2020 06:08 PM - Andreas Kohlbecker**

- Description updated

**#10 - 10/16/2020 06:18 PM - Andreas Kohlbecker**

- Description updated

**#11 - 10/19/2020 02:05 PM - Andreas Kohlbecker**

- Status changed from In Progress to Resolved

- % Done changed from 40 to 50

should be solved now, needs review

**#12 - 10/21/2020 02:13 PM - Andreas Kohlbecker**

- Related to task #9259: reduce fields in TermBase json serializations added

**#13 - 11/04/2020 12:28 PM - Andreas Kohlbecker**

- Description updated

**#14 - 11/04/2020 12:31 PM - Andreas Kohlbecker**

- Copied to task #9276: improve DerivateDataDTO added

**#15 - 11/04/2020 12:34 PM - Andreas Kohlbecker**

- Description updated

tasks regarding DerivateDataDTO copied to other ticket

**#16 - 11/04/2020 02:58 PM - Andreas Kohlbecker**

- Description updated

**#17 - 11/04/2020 03:00 PM - Andreas Kohlbecker**

- Description updated

**#18 - 11/12/2020 03:51 PM - Andreas Kohlbecker**

- Related to task #9293: Use use DTO for Set<IdentifiableSource> sources in SpecimenOrObservationBaseDTO added

**#19 - 11/12/2020 03:52 PM - Andreas Kohlbecker**

- Description updated

- Status changed from Resolved to Closed

- % Done changed from 50 to 100

this ticket is either completed or open tasks are copied to new tickets, so it can be closed

**#20 - 11/12/2020 03:53 PM - Andreas Kohlbecker**

- Related to bug #9238: pure entities in DerivateDTO.derivates may cause LIEs added