

## EDIT - task #10222

### Use DTOs for portal taxon page - first implementation for E+M

01/09/2023 07:31 PM - Andreas Müller

<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>	cdm-dataportal	<b>Estimated time:</b>	0:00 hour
<b>Target version:</b>	Release 5.38		
<b>Severity:</b>	major		

**Description**

... to improve performance and simplify dataportal rendering. If possible formatting should take place server side.

Open issues: how to pass configuration?

- huge number of parameters
- json configuration

Discussion about data, contained in DTO(s):

- taxonName: should everything be handled in typedLabel or in own DTO? => typedLabel or taggedText should be enough
  - if we have an own dto, we can add rank and rankorder index, but maybe we only need the rank string if all ordering is done serverside => ordering is done serverside
  - nomenclatural source is missing
  - to create a link to the name page the uuid is needed. => added
- name relationships => implemented -> ruleConsidered is missing => added
- name facts => added
- protologue links => added
- currently the facts are merged into the feature tree (see `_mergeFeatureTreeDescriptions` in `cdm_api` module of the dataportal code), we should handle this similar when creating the dto => implemented, see [#note-27](#)
- the distribution facts are handled separately in dataportal, maybe we should handle them in a separate item in the dto as well.
- error in distribution string ([#note-52](#)) => fixed when passing the statusOrderPreference param to the service
- include description sources in description element sources
- fallback areas not yet handled correctly in long text distributions, e.g. Caucasia (Ab+...) in Crepis => seems to be fixed in the meanwhile
- IUCN status missing in DTO (for *A. alba*) => seems to be fixed in the meanwhile

Issues on portal side:

- bibliographie
  - links in bibliographie ([https://test.e-taxonomy.eu/dataportal/preview/euromed/cdm\\_dataportal/newtaxon/6a8e85bd-5e52-4ae2-9444-99128c87a672](https://test.e-taxonomy.eu/dataportal/preview/euromed/cdm_dataportal/newtaxon/6a8e85bd-5e52-4ae2-9444-99128c87a672), Mitarbeiter 2013: Florenliste von Deutschland – Gefäßpflanzen, Version 5 (July 2013) — <http://www.kp-buttler.de>)
  - name used in source is missing (Andreev, N., Ančev, M., Kožušarov, S. I., Markova, M., Peev, D. & Petrova, A. 1992: *Opredelitel na visšite rastenija v Bălgarija (as Abies alba Mill. subsp. alba)*)
- breadcrumbs do not work
- open classification at current taxon position does not work
- namerelationships (*Abies nobilis* A. Dietr., Fl. Berlin: 793. 1824, nom. illeg. [is earlier homonym of *Abies nobilis* (D. Don) Lindl. 1833] in synonymy of *Abies alba*)
- adapt portal code that the default feature tree does not has a default uuid.
- name facts
- add setting to switch between dto usage and standard pages.
- unnecessary additional webservice calls
- combining misapplied name records which refer to the same name (example in *Abies alba*)
  - open new issue: biblio footnote for second sensu reference
- IUCN "distributions" not shown correctly
- correct handling of textual distributions
- annotations on names:
  - [https://test.e-taxonomy.eu/dataportal/preview/euromed/cdm\\_dataportal/taxon/a17ab06c-07ba-4743-9851-ce692e15f91b](https://test.e-taxonomy.eu/dataportal/preview/euromed/cdm_dataportal/taxon/a17ab06c-07ba-4743-9851-ce692e15f91b) (but this is the only one in E+M)

issues not relevant for E+M handled in [#10322](#)

#### Related issues:

Related to EDIT - feature request #9271: Improve E+M dataportal performance	In Progress
Related to EDIT - task #6208: Implement synonymy service responding with DTO	In Progress
Related to EDIT - feature request #8285: Handle taxonomically valueless taxa ...	New
Related to EDIT - bug #9396: nomenclatural status missing in typedesignations...	In Progress
Related to EDIT - feature request #5807: Implement sub-distribution area incl...	New
Related to EDIT - feature request #10127: Add full reference information to s...	Closed
Related to EDIT - feature request #10260: Add resolve mechanism to (external)...	Closed
Related to EDIT - task #4911: improve performance of distributionInfoFor service	Duplicate
Related to EDIT - feature request #9503: Handle term tree of areas and distri...	Closed
Related to EDIT - feature request #10336: Allow defining the "et al." positio...	Closed
Related to EDIT - bug #7716: Apply description sources (references) for a Des...	In Progress
Related to EDIT - bug #10360: Correct Name in Source display in portal	Closed
Related to EDIT - bug #7781: original spelling is missing for accepted taxon ...	In Progress
Copied to EDIT - feature request #10322: Use DTOs for portal taxon page (cont.)	In Progress

#### Associated revisions

##### Revision f598b089 - 01/09/2023 07:36 PM - Andreas Müller

ref #10222 first version of a taxon page dto framework

##### Revision 24921917 - 01/10/2023 11:44 PM - Andreas Müller

ref #10222 first version of a taxon page dto framework (cont.)

##### Revision ae17a4ad - 01/11/2023 07:51 AM - Andreas Müller

ref #10222 first version of a taxon page dto framework (cont.)

##### Revision a3841565 - 01/11/2023 11:04 PM - Andreas Müller

ref #10222 first version of a taxon page dto framework (first TextData)

##### Revision aa222bf3 - 01/11/2023 11:11 PM - Andreas Müller

ref #10222 handle count in Container

##### Revision a2fa0deb - 01/15/2023 11:39 PM - Andreas Müller

ref #10222 first incomplete implementation of synonymy

##### Revision 1eb2f086 - 01/16/2023 11:10 PM - Andreas Müller

ref #10222 first incomplete implementation of synonymy (cont.)

##### Revision e41b3686 - 01/17/2023 02:46 PM - Andreas Müller

ref #10222 first incomplete implementation of synonymy (cont.)

##### Revision 390cc644 - 01/17/2023 07:09 PM - Andreas Müller

ref #10222 first incomplete implementation of taxonPageDto

##### Revision 88a09909 - 01/18/2023 11:49 AM - Andreas Müller

ref #10222 add status and statusNote to TaxonNodeDTO

##### Revision bdf714a1 - 01/18/2023 02:15 PM - Andreas Müller

ref #10222 add status and statusNote to TaxonNodeDTO (fix)

##### Revision f4ebb25c - 01/18/2023 09:32 PM - Andreas Müller

ref #10222 taxonnode agent relations to TaxonNodeDTO and doc

**Revision d17eff4c - 01/18/2023 10:00 PM - Andreas Müller**

ref #10222 move TypedLabel to model

**Revision 40499c6d - 01/18/2023 10:01 PM - Andreas Müller**

ref #10222 taxonnode agent relations to TaxonNodeDTO (fix) and doc

**Revision 5f2cda93 - 01/18/2023 10:07 PM - Andreas Müller**

ref #10222 first implementation for typification in TaxonPageDto

**Revision 1ba32c3e - 01/18/2023 10:12 PM - Andreas Müller**

ref #10222 move TypedLabel to model (fix text data label handling) and cleanup

**Revision a1fd62a1 - 01/18/2023 11:18 PM - Andreas Müller**

ref #10222 use taggedText for taxon label for now and cleanup

**Revision 03573c63 - 01/18/2023 11:28 PM - Andreas Müller**

ref #10222 add agentlink to taxonNodeAgentRelDto

**Revision 7142f595 - 01/18/2023 11:33 PM - Andreas Müller**

ref #10222 rename ContainerDto.collection to items

**Revision 65dea50f - 01/18/2023 11:51 PM - Andreas Müller**

ref #10222 enable message handling and add message for type designation formatting exceptions

**Revision 29532667 - 01/19/2023 12:00 AM - Andreas Müller**

ref #10222 add tagged text for typification

**Revision ba3f97f8 - 01/19/2023 01:07 AM - Andreas Müller**

ref #10222 move TypedLabel to model (fix NPE when using label only)

**Revision 2a70744d - 01/19/2023 01:08 AM - Andreas Müller**

ref #10222 add tagged text for synonyms

**Revision 8eeb988a - 01/19/2023 01:11 AM - Andreas Müller**

ref #10222 add tagged text for typification (cont.)

**Revision b53e0283 - 01/20/2023 11:11 PM - Andreas Müller**

ref #10222 add supplemental data

**Revision fb97750d - 01/21/2023 12:20 AM - Andreas Müller**

ref #10222 add supplemental data (cont.) + change labels for TaxonBaseDto

**Revision 8b6c9ee0 - 01/21/2023 12:37 AM - Andreas Müller**

ref #10222 change labels for TaxonBaseDto (fix)

**Revision 4ffefb82 - 01/21/2023 01:07 AM - Andreas Müller**

ref #10222 annotation ids and cleanup

**Revision 87902c05 - 02/08/2023 12:55 PM - Katja Luther**

very first implementation to use the taxon dto in dataportal

**Revision 33b3c39d - 02/09/2023 12:29 PM - Andreas Müller**

ref #10222 move DistributionInfo to cdmlib-services to make available for portalDTO loading

**Revision 10195819 - 02/09/2023 01:19 PM - Katja Luther**

ref #10222: show homotypic synonyms

**Revision c51ddecb - 02/09/2023 11:47 PM - Andreas Müller**

ref #10222 first implementation of distributionInfo for portalDTO loading

**Revision ae6650c0 - 02/10/2023 12:45 AM - Andreas Müller**

ref #10222 add getter/setter to config

**Revision 3580ecdf - 02/10/2023 12:57 AM - Andreas Müller**

ref #10222 adapt httpInvoker config to distribution service

**Revision ec076543 - 02/10/2023 01:03 AM - Andreas Müller**

ref #10222 adapt taxeditor to changes (DerivedUnitFacade and CondensedDistributionRecipe move) and cleanup

**Revision 288567bf - 02/10/2023 09:47 AM - Andreas Müller**

ref #10222 fix EditGeoService issue by moving test files to correct folder

**Revision 3e1a98dd - 02/10/2023 10:01 AM - Andreas Müller**

ref #10222 adapt cdmlib-import to new facade and distribution service locations

**Revision cf6ad3c7 - 02/10/2023 10:27 AM - Andreas Müller**

ref #10222 some renaming for EditGeoServiceTest and move CondensedDistribution Tests to cdmlib-model and fix endemic symbol

**Revision 59d2ebb9 - 02/10/2023 11:09 AM - Andreas Müller**

ref #10222 rename DistributionService to DistributionServiceImpl

**Revision e45c49d7 - 02/10/2023 11:15 AM - Andreas Müller**

ref #10222 rename DistributionService to DistributionServiceImpl in app-import

**Revision 01a636b8 - 02/10/2023 11:46 AM - Andreas Müller**

ref #10222 add service.geo to taxeditor.local import-packages

**Revision 0dcf18fb - 02/10/2023 11:49 AM - Andreas Müller**

ref #10222 fix location of IDistributionService in http invoker config

**Revision 4ae14058 - 02/10/2023 12:58 PM - Andreas Müller**

ref #10222 use treeDTO in taxon page

**Revision 8f819ae9 - 02/10/2023 01:04 PM - Andreas Müller**

ref #10222 fix distribution status handling

**Revision 156dfaf7 - 02/13/2023 12:26 PM - Katja Luther**

ref #10222: fix facts and synonymy handling

**Revision 0d0e6f48 - 02/13/2023 12:27 PM - Katja Luther**

ref #10222: start fixing distribution handling

**Revision 4dedd84d - 02/13/2023 06:06 PM - Andreas Müller**

ref #10222: full featureTree support and first implementation for all fact categories and some cleanup

**Revision b0d7153c - 02/14/2023 01:17 PM - Katja Luther**

ref #10222: start fixing distribution handling

**Revision 5c993b34 - 02/14/2023 01:29 PM - Katja Luther**

ref #10222: fix handling of names

**Revision c0f0f602 - 02/14/2023 01:42 PM - Katja Luther**

ref #10222: revert changes in compose\_description\_element\_text\_data

**Revision bcae7805 - 02/14/2023 01:48 PM - Katja Luther**

ref #10222: minor

**Revision cf8b201e - 02/14/2023 02:57 PM - Andreas Müller**

ref #10222: merge DescriptionUtility and DistributionServiceUtilities

**Revision 9c2d51ac - 02/14/2023 02:57 PM - Andreas Müller**

ref #10222: improve SourceDto handling

**Revision 0431c098 - 02/14/2023 03:03 PM - Katja Luther**

ref #10222: continue write own methods for dto handling

**Revision 6ab764e8 - 02/14/2023 03:08 PM - Katja Luther**

ref #10222: typo

**Revision 086e7045 - 02/14/2023 03:26 PM - Andreas Müller**

ref #10222: merge DescriptionUtility and DistributionServiceUtilities (cont.)

**Revision a07edb03 - 02/14/2023 05:59 PM - Andreas Müller**

ref #10222: load sources for DistributionDtos, and some first ordering of fact lists

**Revision 310e04e8 - 02/14/2023 06:47 PM - Andreas Müller**

ref #10222: fix compile error and first IdentificationKey implementation

**Revision 08605e70 - 02/14/2023 09:03 PM - Andreas Müller**

ref #10222: add name relationships and some fixes and cleanups

**Revision a308f5a5 - 02/15/2023 11:06 AM - Katja Luther**

ref #10222: revert some changes in distribution handling

**Revision 61233a58 - 02/15/2023 02:42 PM - Andreas Müller**

ref #10222: add timescope to facts

**Revision 97253fbc - 02/15/2023 03:14 PM - Katja Luther**

ref #10222: provide the correct feature uuid to get the feature block settings

**Revision b41e0633 - 02/16/2023 11:31 AM - Katja Luther**

ref #10222: fix problems with footnodes

**Revision b43891e5 - 02/16/2023 12:42 PM - Andreas Müller**

ref #10222: fix NPE for namedArea partOf

**Revision 86c6545f - 02/16/2023 12:54 PM - Katja Luther**

ref #10222: fix problems with descriptions

**Revision 83d3ede8 - 02/16/2023 01:16 PM - Andreas Müller**

ref #10222: basic error handling for portalDTO

**Revision 72920808 - 02/16/2023 02:13 PM - Katja Luther**

ref #10222: footnotes

**Revision ad646dc2 - 02/16/2023 03:28 PM - Katja Luther**

ref #10222: footnotes - continue

**Revision dc1e4018 - 02/17/2023 12:57 PM - Katja Luther**

ref #10222: fix display of distribution hierarchie

**Revision fe8fde2a - 02/20/2023 02:14 PM - Katja Luther**

ref #10222: fix heterotypic synonyms

**Revision a53df1c6 - 02/20/2023 02:36 PM - Katja Luther**

ref #10222: fix temporal data

**Revision ac497e38 - 02/21/2023 10:04 AM - Katja Luther**

ref #10222: fix display of common names

**Revision 4094ae07 - 02/21/2023 03:54 PM - Andreas Müller**

ref #10222: add ruleConsidered to name relationships

**Revision 5474bb7b - 02/21/2023 03:59 PM - Andreas Müller**

ref #10222: add longCitation formatting for sources

**Revision 20e99831 - 02/22/2023 09:20 AM - Katja Luther**

ref #10222: revert changes

**Revision f9806fbc - 02/22/2023 02:45 PM - Andreas Müller**

ref #10222: fix NPE for handlingTypification

**Revision 403f70b3 - 02/22/2023 03:30 PM - Andreas Müller**

ref #10222: fix NPE in addMessages

**Revision bd5b1714 - 02/22/2023 03:30 PM - Andreas Müller**

ref #10222: fix NPE in loadSource

**Revision b6dd5ae1 - 02/22/2023 03:52 PM - Andreas Müller**

ref #10222: fix stackTrace handling

**Revision 7219b660 - 02/22/2023 11:36 PM - Andreas Müller**

ref #10222: improved typified name logging

**Revision 9b155f98 - 04/21/2023 10:44 AM - Katja Luther**

ref #10222: add common name display

**Revision 50fbdb66 - 04/21/2023 12:03 PM - Katja Luther**

ref #10222: add feature\_tree uuid to webservice call

**Revision b190abd0 - 05/02/2023 02:49 PM - Katja Luther**

ref #10222: continue to use dto for dataportal

**Revision dc41162e - 05/03/2023 11:28 PM - Andreas Müller**

ref #10222 add some toString methods to DTOs

**Revision 7235003a - 05/03/2023 11:29 PM - Andreas Müller**

ref #10222 handle already existing areas correct in createAreaTree

**Revision f40a63b7 - 05/04/2023 12:05 AM - Andreas Müller**

ref #10222 fix loading of area parents in DistributionDto constructor

**Revision f2416195 - 05/04/2023 12:06 AM - Andreas Müller**

ref #10222 fix equals in distribution tree loader

**Revision 3aa80864 - 05/04/2023 08:42 AM - Andreas Müller**

ref #10222 add protologues to taxon dto

**Revision 9900d503 - 05/04/2023 08:44 AM - Andreas Müller**

ref #10222 add nameUuid to taxon dto

**Revision 6b02611e - 05/04/2023 08:53 AM - Andreas Müller**

ref #10222 add nameType and loading to taxon dto and add nameUuid loading

**Revision fa93bb57 - 05/04/2023 09:23 AM - Katja Luther**

ref #10222: adapt source handling

**Revision fd5f65a1 - 05/04/2023 09:47 AM - Katja Luther**

ref #10222: adapt source handling and check type of data structure

**Revision 6667af2d - 05/04/2023 10:07 AM - Andreas Müller**

ref #10222 add nameFacts to taxon dto

**Revision a5e8806d - 05/04/2023 11:10 AM - Andreas Müller**

ref #10222 add relTypeUuid and relTaxon.classificationUuids to taxon page dto

**Revision 0bd13fa5 - 05/04/2023 11:11 AM - Andreas Müller**

ref #10222 remove MAN and ppSyns from other concept relations to avoid duplicates

**Revision f84571bf - 05/04/2023 11:29 AM - Andreas Müller**

ref #10222 add name-taggedText to taxon page dto names

**Revision a11a6ab8 - 05/04/2023 12:35 PM - Katja Luther**

ref #10222: adapt comparator

**Revision c1622ab6 - 05/04/2023 01:43 PM - Katja Luther**

ref #10222: adapt nomenclatural source handling

**Revision b4ffa1c8 - 05/04/2023 02:02 PM - Katja Luther**

ref #10222: clean up distribution settings

**Revision f98ed5b2 - 05/04/2023 02:27 PM - Andreas Müller**

ref #10222 add subarea and statusorder preference to parameters

**Revision 8350338d - 05/04/2023 03:07 PM - Andreas Müller**

ref #10222 add distribution info config params

**Revision 2c439435 - 05/04/2023 03:45 PM - Andreas Müller**

ref #10222 rename factualData to taxonFacts

**Revision a77a973a - 05/04/2023 03:48 PM - Andreas Müller**

ref #10222 rename factualData to taxonFacts in dataportal

**Revision 1548e7fd - 05/04/2023 05:24 PM - Andreas Müller**

ref #10222 add secTitleCache

**Revision 76dfb8c7 - 05/05/2023 10:05 AM - Katja Luther**

ref #10222: clean up distribution settings

**Revision d9c26c1d - 05/05/2023 10:08 AM - Katja Luther**

ref #10222: minor issues on factual data, secundum and others

**Revision 08118120 - 05/05/2023 10:38 AM - Katja Luther**

ref #10222: minor

**Revision 008707b5 - 05/05/2023 11:03 AM - Andreas Müller**

ref #10222 add uri and external links to sourceDto

**Revision 6273de2d - 05/05/2023 12:51 PM - Katja Luther**

ref #10222: using method parameters

**Revision eb13865d - 05/06/2023 12:29 AM - Andreas Müller**

ref #10222 fix handling of area tree in filtering

**Revision 85060d8e - 05/08/2023 09:23 AM - Katja Luther**

ref #10222: revert using media dto, to fix the tests

**Revision 78cd36e0 - 05/08/2023 12:27 PM - Katja Luther**

ref #10222: move default area tree to top

**Revision 2ced0166 - 05/09/2023 11:41 AM - Katja Luther**

ref #10222: add setting to switch to dto usage

**Revision d18e9075 - 05/09/2023 03:36 PM - Andreas Müller**

ref #10222 fix NPE for empty featureNode and incorrect feature filter for name facts

**Revision 0cf72f41 - 05/10/2023 12:05 PM - Andreas Müller**

ref #10222 fix duplicated name information in synonyms

**Revision 9416a814 - 05/11/2023 01:48 PM - Katja Luther**

ref #10222: fix name relation handling and start name facts

**Revision 6f11d9e9 - 05/11/2023 02:22 PM - Katja Luther**

ref #10222: fix name facts - continue

**Revision 090edff1 - 05/11/2023 03:54 PM - Katja Luther**

ref #10222: fix external links in bibliography

**Revision 0f81afa3 - 05/11/2023 04:03 PM - Katja Luther**

ref #10222: do not add uuid for default feature tree

**Revision 3221f4b6 - 05/11/2023 04:20 PM - Katja Luther**

ref #10222: fix name used in source in bibliographie

**Revision ebfc0fe2 - 05/11/2023 10:34 PM - Katja Luther**

ref #10222: fix name used in source in bibliographie, only if different to current name

**Revision f941b40a - 05/11/2023 11:07 PM - Katja Luther**

ref #10222: fix name status

**Revision 5cbda94d - 05/15/2023 10:48 AM - Katja Luther**

ref #10222: fix problems in bibliography/name in source

**Revision 430f5066 - 05/15/2023 01:01 PM - Katja Luther**

ref #10222: fix breadcrumbs and tree

**Revision e49b475f - 05/16/2023 10:40 AM - Andreas Müller**

ref #10222 add name relations parameter

**Revision d025f99a - 05/16/2023 10:40 AM - Andreas Müller**

ref #10222 add name uuid and tagged label to concept relationships



**Revision e4a9e44b - 05/23/2023 09:56 AM - Katja Luther**

ref #10222: misapplied names display

**Revision fc93094c - 05/23/2023 10:26 AM - Katja Luther**

ref #10222: code cleaning and prevent NPE

**Revision d1fd96bd - 05/23/2023 03:06 PM - Katja Luther**

ref #10222: improve breadcrumbs and tree

**Revision 5cda9c4e - 05/26/2023 09:25 AM - Katja Luther**

ref #10222: Deproxy named area

**Revision c0f54627 - 05/26/2023 09:52 AM - Katja Luther**

ref #10222: fix textual distributions

**Revision ab00efe1 - 05/26/2023 09:53 AM - Katja Luther**

ref #10222: remove hiddenAreaMarkerType as parameter

**Revision 5d17c884 - 05/26/2023 10:06 AM - Katja Luther**

ref #10222: fix textual distributions - continue

**Revision e947b28a - 05/26/2023 11:46 AM - Katja Luther**

ref #10222: avoid empty ws calls

**Revision 8160fdb - 05/26/2023 12:45 PM - Katja Luther**

ref #10222: only fallbackAreaMarkerType should be used as parameter

**Revision b48eeac7 - 05/26/2023 02:01 PM - Andreas Müller**

ref #10222: add explicit TaxonNameDto

**Revision 6f268acb - 05/26/2023 02:35 PM - Katja Luther**

ref #10222: handle name annotations

**Revision 21691df3 - 05/28/2023 09:02 AM - Andreas Müller**

ref #10222, ref #10322 add statusTree as param to controller

**Revision 575a0a29 - 05/28/2023 01:27 PM - Andreas Müller**

ref #10222 load description sources with facts

**Revision e20a3dad - 05/28/2023 02:26 PM - Andreas Müller**

ref #10222 , ref #10322 add etAIPosition to DTO config

**Revision 6c1bf82f - 05/28/2023 03:24 PM - Andreas Müller**

ref #10336, #10222: allow defining the authors et al. position

**Revision 2f12d64f - 05/28/2023 03:46 PM - Andreas Müller**

ref #10222 fix load description sources with facts

**Revision cd888cb0 - 05/28/2023 04:29 PM - Andreas Müller**

ref #10322, #10222 add doXXX parameters

**Revision 37835994 - 05/28/2023 04:57 PM - Andreas Müller**

ref #10222 error handling and some javadoc

**Revision c02cc045 - 05/28/2023 05:00 PM - Andreas Müller**

ref #10222 filter unpublished synonyms

**Revision dce0b348 - 05/30/2023 12:23 PM - Katja Luther**

ref #10222: handle name annotations - continue

**Revision f6d3bd9a - 05/30/2023 01:15 PM - Katja Luther**

ref #10222: handle name annotations - continue

**Revision 31069901 - 05/30/2023 05:40 PM - Andreas Müller**

ref #4484, #8424, #9559, #10222, #10322 remove unpublished specimens from taxon page webservice

**Revision 1f7e0f56 - 05/31/2023 09:29 AM - Katja Luther**

ref #10222: code cleaning

**Revision 89f98d29 - 05/31/2023 12:50 PM - Andreas Müller**

fix #10222 remove elements from parts set to avoid model instances to be returned

**Revision 72c6e24b - 05/31/2023 12:59 PM - Katja Luther**

ref #10222: code cleaning

**Revision 46f4b5ec - 06/01/2023 11:17 AM - Katja Luther**

ref #10222: fix missing doi link

**Revision 97aed0f8 - 06/01/2023 01:16 PM - Katja Luther**

ref #10222: remove feature and change etAlPos

**Revision bcf7344 - 06/06/2023 12:09 PM - Katja Luther**

move dto settings to layout/taxon on top level

## History

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**#1 - 01/09/2023 07:34 PM - Andreas Müller**

- Related to feature request #9271: Improve E+M dataportal performance added
- Related to task #6208: Implement synonymy service responding with DTO added

**#2 - 01/09/2023 07:42 PM - Andreas Müller**

- Status changed from New to In Progress

**#4 - 01/18/2023 12:46 PM - Katja Luther**

- Description updated

**#5 - 01/18/2023 01:04 PM - Katja Luther**

- Description updated

**#6 - 01/18/2023 01:59 PM - Katja Luther**

- Description updated

**#7 - 01/18/2023 02:21 PM - Andreas Müller**

- taxonName: should everything be handled in typedLabel or in own DTO?
  - if we have an own dto, we can add rank and rankorder index, but maybe we only need the rank string if all ordering is done serverside

Is there done any ordering via ranks in the current taxon pages?

**#8 - 01/18/2023 02:25 PM - Andreas Müller**

- specimen: could we reuse or reorganize the already existing derivedUnit/fieldunit dtos? They are already implemented for the use in dataportal
  - there are already methods implemented to get the specimen subtree for one taxon to get the data for the specimen tree view, they

already return dtos

Can you leave a note which methods are used there?

**#9 - 01/18/2023 03:08 PM - Katja Luther**

- Description updated

**#10 - 01/18/2023 04:29 PM - Andreas Müller**

- Description updated

Some test data available at: <https://test.e-taxonomy.eu/cdmserver/cyprus/portal/taxon/a4637006-8ea3-443b-b4e6-b6f66884e7bc/page>

**#11 - 01/18/2023 04:30 PM - Andreas Müller**

- Description updated

**#12 - 01/18/2023 11:30 PM - Andreas Müller**

- % Done changed from 0 to 10

taxonNode agent relationships should be implemented now. Please review. Do we need more fields (I tried to use only the absolute minimum).

**#13 - 01/19/2023 10:18 AM - Katja Luther**

- Description updated

**#14 - 01/19/2023 10:21 AM - Andreas Müller**

- Description updated

**#15 - 01/25/2023 06:27 PM - Andreas Müller**

- Related to feature request #8285: Handle taxonomically valueless taxa in data portal added

**#16 - 01/26/2023 11:42 AM - Katja Luther**

- Description updated

**#17 - 01/26/2023 11:58 AM - Katja Luther**

- Description updated

**#18 - 01/27/2023 12:02 PM - Katja Luther**

- Description updated

**#19 - 01/27/2023 12:09 PM - Katja Luther**

- Description updated

**#20 - 01/30/2023 04:43 PM - Andreas Müller**

- Related to bug #9396: nomenclatural status missing in typedesignations shown in synonymy added

**#21 - 01/30/2023 05:13 PM - Andreas Müller**

- Related to feature request #5807: Implement sub-distribution area inclusion in TaxonService.findTaxaAndNamesByFullText() added

**#22 - 02/09/2023 01:22 PM - Katja Luther**

There is a first implementation for the dataportal available, you can have a look if you exchange the taxon with newtaxon in the url, for example [https://test.e-taxonomy.eu/dataportal/preview/cichorieae/cdm\\_dataportal/newtaxon/b335ceee-d6c1-4c93-841d-3b4bd279d855](https://test.e-taxonomy.eu/dataportal/preview/cichorieae/cdm_dataportal/newtaxon/b335ceee-d6c1-4c93-841d-3b4bd279d855)

**#23 - 02/10/2023 02:00 PM - Andreas Müller**

- % Done changed from 10 to 20

Katja Luther wrote:

- the distribution facts are handled separately in dataportal, maybe we should handle them in a separate item in the dto as well.

Distribution data are now handled within the feature tree, using the same datastructure for urlmapping and condensed distribution string as before and using a DTO representation for tree that is similar (but not equal) to the one used in the previous version.  
Please leave a note if something is missing.

**#24 - 02/10/2023 02:01 PM - Andreas Müller**

- Description updated

**#25 - 02/10/2023 02:01 PM - Andreas Müller**

- Description updated

**#26 - 02/10/2023 02:04 PM - Andreas Müller**

- Description updated

Katja Luther wrote:

- currently the facts are merged into the feature tree (see `_mergeFeatureTreeDescriptions` in `cdm_api.module` of the `dataportal` code), we should handle this similar when creating the `dto`

The webservice allows passing a parameter "featureTree". This will be used to order and filter the returned factual data accordingly. (implementing soon)

**#27 - 02/14/2023 06:53 PM - Andreas Müller**

Andreas Müller wrote in [#note-26](#):

Katja Luther wrote:

- currently the facts are merged into the feature tree (see `_mergeFeatureTreeDescriptions` in `cdm_api.module` of the `dataportal` code), we should handle this similar when creating the `dto`

The webservice allows passing a parameter "featureTree". This will be used to order and filter the returned factual data accordingly. (implementing soon)

This is implemented now.

**#28 - 02/14/2023 06:55 PM - Andreas Müller**

- Description updated

**#29 - 02/14/2023 06:57 PM - Andreas Müller**

- Description updated

**#30 - 02/14/2023 09:36 PM - Andreas Müller**

- Description updated

**#31 - 02/16/2023 12:24 PM - Andreas Müller**

- Description updated

**#32 - 02/16/2023 12:25 PM - Katja Luther**

The `dto` for common name `dtos` are different to the other facts, therefore it is more difficult to handle it in a generic way. It is necessary to know where to find the type of the fact otherwise it is difficult to decide how to render the content.

For example for the common name there is no `typedLabel`.

**#33 - 02/16/2023 01:23 PM - Andreas Müller**

I implemented basic error handling. So the message field can be evaluated now and empty results should not happen anymore.

**#34 - 02/16/2023 02:34 PM - Andreas Müller**

- Description updated

**#35 - 02/20/2023 12:42 PM - Katja Luther**

To create the same html code like before it is necessary to provide the feature uuid for the descriptions.

**#36 - 02/20/2023 12:52 PM - Katja Luther**

The order of the (homotypic?) synonyms is not correct, for example for *Aizoon hispanicum* L.(Cyprus) the order of the synonyms should be

- *Aizoanthemum hispanicum* (L.) H. E. K. Hartmann
- *Aizoanthemopsis hispanica* (L.) Klak

but is the other way round.

**#37 - 02/20/2023 01:12 PM - Andreas Müller**

Katja Luther wrote in [#note-35](#):

To create the same html code like before it is necessary to provide the feature uuid for the descriptions.

I do not fully understand what you mean here. What is "the feature uuid for the description"? A description does not have feature. Do you mean fact/description element? Why can't you take this form the factual data tree which is ordered first by feature (including uuid) and then by it's attached factual data. So each facts has a feature uuid attached via it's "parent feature".

If this does not answer your request please add an example html to make clear how the feature uuid is used.

**#38 - 02/20/2023 01:28 PM - Katja Luther**

Andreas Müller wrote in [#note-37](#):

Katja Luther wrote in [#note-35](#):

To create the same html code like before it is necessary to provide the feature uuid for the descriptions.

I do not fully understand what you mean here. What is "the feature uuid for the description"? A description does not have feature. Do you mean fact/description element? Why can't you take this form the factual data tree which is ordered first by feature (including uuid) and then by it's attached factual data. So each facts has a feature uuid attached via it's "parent feature".

If this does not answer your request please add an example html to make clear how the feature uuid is used.

Sorry that was the wrong term, I meant the uuid of the feature of the facts. This should be added to the object containing the facts of one feature, actually only the label of the feature is contained.

**#39 - 02/20/2023 01:52 PM - Andreas Müller**

- *File clipboard-202302201350-qnda3.png added*

Katja Luther wrote in [#note-38](#):

Andreas Müller wrote in [#note-37](#):

Katja Luther wrote in [#note-35](#):

To create the same html code like before it is necessary to provide the feature uuid for the descriptions.

I do not fully understand what you mean here. What is "the feature uuid for the description"? A description does not have feature. Do you mean fact/description element? Why can't you take this form the factual data tree which is ordered first by feature (including uuid) and then by it's attached factual data. So each facts has a feature uuid attached via it's "parent feature".

If this does not answer your request please add an example html to make clear how the feature uuid is used.

Sorry that was the wrong term, I meant the uuid of the feature of the facts. This should be added to the object containing the facts of one feature, actually only the label of the feature is contained.

I still do not understand why you say that it is not there. It is available via the tree. E.g.

```

▼ 1:
  uuid: "fc810911-51f0-4a46-ab97-6562fe263ae5"
  id: 941
  lastUpdated: null
  label: "Common Name"
  facts:
    count: 1
    orderRelevant: false
    items:
      ▼ 0:
        uuid: "938f9e65-8ce1-425a-83a2-4f7a259daa3e"
        id: 22927
        lastUpdated: null
        annotations: null
        markers: null
        sources: null
        timeperiod: "May 2002-2003"
        language: "Greek, Modern (1453-)"
        languageUuid: "1b48a41b-cbf3-4041-b567-4782c854b41e"
        area: "Cyprus"
        areaUUID: "4b13d6b8-7eca-4d42-8172-f2018051ca19"
        name: "Γλίντος"
        clazz: "CommonNameDto"
        lastUpdated: null
        subFeatures: null

```

Example from <https://test.e-taxonomy.eu/cdmserver/cyprus/portal/taxon/a4637006-8ea3-443b-b4e6-b6f66884e7bc/page>

Repeating it in the fact itself is possible but redundant which I would like to avoid in general. If there is an important reason to have this redundancy please explain. If really needed we can add it ofcourse.

#### #40 - 02/20/2023 02:42 PM - Andreas Müller

Katja Luther wrote in [#note-36](#):

The order of the (homotypic?) synonyms is not correct, for example for *Aizoon hispanicum* L.(Cyprus) the order of the synonyms should be

- *Aizoanthemum hispanicum* (L.) H. E. K. Hartmann
- *Aizoanthemopsis hispanica* (L.) Klak

but is the other way round.

Hmm, this is strange. The PortalDtoLoader uses a comparator (eu.etaxonomy.cdm.compare.taxon.TaxonComparator). This comparator results in the "newtaxon" ordering. Which in IMO is correct as the only difference between the 2 synonyms is the alphabetic string which should have *Aizoanthemopsis* before *Aizoanthemum* (no difference in date, rank or status). However, I can see that on the old taxon page AND in the taxEditor it is ordered the other way round.

Do you know which comparator is used e.g. in taxEditor or for the old pages? And if it is the TaxonComparator class which configuration it uses (with rank/without rank)? And could you debug the ordering in taxEditor to see why exactly it orders the names the other way round?

#### #41 - 02/21/2023 02:09 PM - Katja Luther

- Description updated

#### #42 - 02/21/2023 04:01 PM - Andreas Müller

- Description updated

Andreas Müller wrote:

- ~~name relationships~~ => implemented -> ruleConsidered is missing

added

#### #43 - 02/22/2023 11:48 AM - Andreas Müller

- Related to feature request #10127: Add full reference information to sec. references in dataportal added

**#44 - 02/22/2023 11:06 PM - Andreas Müller**

- Description updated

**#45 - 02/23/2023 10:44 AM - Katja Luther**

- Description updated

**#46 - 02/28/2023 10:56 PM - Andreas Müller**

- Description updated

**#47 - 03/13/2023 09:04 PM - Andreas Müller**

- Description updated

**#48 - 03/22/2023 04:19 PM - Andreas Müller**

- Description updated

**#49 - 03/24/2023 08:44 AM - Andreas Müller**

- Description updated

**#50 - 03/24/2023 08:44 AM - Andreas Müller**

- Related to feature request #10260: Add resolve mechanism to (external) identifiers added

**#51 - 04/21/2023 12:06 PM - Katja Luther**

Andreas Müller wrote in [#note-26](#):

Katja Luther wrote:

- currently the facts are merged into the feature tree (see `_mergeFeatureTreeDescriptions` in `cdm_api.module` of the `dataportal` code), we should handle this similar when creating the `dto`

The webservice allows passing a parameter "featureTree". This will be used to order and filter the returned factual data accordingly.  
(implementing so

Andreas Müller wrote in [#note-27](#):

Andreas Müller wrote in [#note-26](#):

Katja Luther wrote:

- currently the facts are merged into the feature tree (see `_mergeFeatureTreeDescriptions` in `cdm_api.module` of the `dataportal` code), we should handle this similar when creating the `dto`

The webservice allows passing a parameter "featureTree". This will be used to order and filter the returned factual data accordingly.  
(implementing soon)

This is implemented now.

Also on portal side the usage of the feature tree parameter is implemented.

**#52 - 05/03/2023 05:47 PM - Andreas Müller**

The status preference in condensed distribution string does not seem to work yet. For *abies alba* it shows `cGa(F)` while in production it is `Ga(F)`. There is a native and a cultivated record for `Ga(F)`

**#53 - 05/04/2023 09:03 AM - Andreas Müller**

- Description updated

**#54 - 05/04/2023 09:04 AM - Andreas Müller**

- Description updated

**#55 - 05/04/2023 09:37 AM - Andreas Müller**

Andreas Müller wrote in [#note-40](#):

Katja Luther wrote in [#note-36](#):

The order of the (homotypic?) synonyms is not correct, for example for *Aizoon hispanicum* L.(Cyprus) the order of the synonyms should be

- *Aizoanthemum hispanicum* (L.) H. E. K. Hartmann
- *Aizoanthemopsis hispanica* (L.) Klak

but is the other way round.

Hmm, this is strange. The PortalDtoLoader uses a comparator (`eu.etaxonomy.cdm.compare.taxon.TaxonComparator`). This comparator results in the "newtaxon" ordering. Which in IMO is correct as the only difference between the 2 synonyms is the alphabetic string which should have *Aizoanthemopsis* before *Aizoanthemum* (no difference in date, rank or status). However, I can see that on the old taxon page AND in the taxEditor it is ordered the other way round.

Do you know which comparator is used e.g. in taxEditor or for the old pages? And if it is the TaxonComparator class which configuration it uses (with rank/without rank)? And could you debug the ordering in taxEditor to see why exactly it orders the names the other way round?

KL: Das scheint behoben zu sein, ich habe zumindest bei dem im Ticket angeführten Fall und noch einem anderen Taxon keine falsche Reihenfolge mehr gesehen.

**#56 - 05/04/2023 10:08 AM - Andreas Müller**

- Description updated

**#57 - 05/04/2023 03:39 PM - Andreas Müller**

- Description updated

- % Done changed from 20 to 30

**#58 - 05/04/2023 05:11 PM - Andreas Müller**

- Description updated

**#59 - 05/05/2023 08:40 AM - Andreas Müller**

- Description updated

**#60 - 05/05/2023 09:56 AM - Katja Luther**

- Description updated

**#61 - 05/05/2023 09:57 AM - Katja Luther**

mail AM:

ich habe dem Service jetzt noch einige wichtige Parameter spendiert, die meisten von `distributionInfoFor` kopiert. Könntest du versuchen, die entsprechend portalseitig zu übergeben.

Lediglich „`hiddenAreaMarkerTypes`“ habe ich in „`fallbackArea...`“ umgenannt, da das inzwischen besser passt. Ist aber der gleiche Parameter.

**#62 - 05/05/2023 04:21 PM - Andreas Müller**

- Description updated

**#63 - 05/08/2023 01:09 PM - Katja Luther**

- Description updated

**#64 - 05/08/2023 02:12 PM - Katja Luther**

- Description updated

**#65 - 05/08/2023 02:13 PM - Katja Luther**

- Description updated

**#66 - 05/09/2023 11:43 AM - Katja Luther**

- Description updated

**#67 - 05/09/2023 03:38 PM - Andreas Müller**

- Description updated



#68 - 05/10/2023 12:08 PM - Andreas Müller

- Description updated

#69 - 05/11/2023 03:55 PM - Katja Luther

- Description updated

#70 - 05/11/2023 04:03 PM - Katja Luther

- Description updated

#71 - 05/11/2023 04:20 PM - Katja Luther

- Description updated

#72 - 05/11/2023 08:39 PM - Andreas Müller

- File clipboard-202305112039-ssit3.png added

nom. illeg. is now shown twice:

*Abies alba* Mill., Gard. Dict., ed. 8: *Abies* No. 1. 1768 [& Test name fact].

≡ *Pinus picea* L., Sp. Pl.: 1001. 1753 [Pinus name fact test].

≡ *Pinus pectinata* Lam., nom. illeg., Fl. Franç. 2: 202. 1779, nom. illeg.

≡ *Abies pectinata* DC., nom. illeg., in Lamarck & Candolle, Fl. Franç., ed. 3, 3: 276. 1805, nom. illeg.

≡ *Abies nobilis* A. Dietr., nom. illeg., Fl. Berlin: 793. 1824, nom. illeg. [is earlier homonym of *Abies nobilis* (D. Don) Lindl.]

#73 - 05/11/2023 08:41 PM - Andreas Müller

- File clipboard-202305112041-wxgfh.png added

Name in source is now also shown if it is equal to the accepted name. That differs from the old version. I have not checked if this configurable or always the case.

**BI.** Anonymous 2010: Anthos. Information System of the plants of Spain. Real Jardín Botánico, CSIC - Fundación Biodiversidad - <http://www.anthos.es/> (as *Abies alba* Mill.)

**BJ.** Voliotis, D. & Athanasiadis, N. 1971: Dendra ke thamni [trees and shrubs; in Greek]. - Thessaloniki (as *Abies alba* Mill.)

#74 - 05/11/2023 08:49 PM - Andreas Müller

- Description updated

Open classification at current taxon position does not yet work

#75 - 05/11/2023 10:22 PM - Andreas Müller

- Description updated

#76 - 05/11/2023 10:26 PM - Andreas Müller

- Description updated

#77 - 05/11/2023 10:28 PM - Andreas Müller

- Description updated

#78 - 05/11/2023 11:08 PM - Katja Luther

Andreas Müller wrote in [#note-73](#):

Name in source is now also shown if it is equal to the accepted name. That differs from the old version. I have not checked if this configurable or always the case.

**BI.** Anonymous 2010: Anthos. Information System of the plants of Spain. Real Jardín Botánico, CSIC - Fundación Biodiversidad – <http://www.anthos.es/> (as *Abies alba* Mill.)

**BJ.** Voliotis, D. & Athanasiadis, N. 1971: *Dendra ke thamma* [Trees and shrubs; in Greek]. – Thessaloniki (as *Abies alba* Mill.)

this should be fixed

**#79 - 05/11/2023 11:08 PM - Katja Luther**

Andreas Müller wrote in [#note-72](#):

nom. illeg. is now shown twice:

*Abies alba* Mill., Gard. Dict., ed. 8: *Abies* No. 1. 1768 [& Test name fact].

≡ *Pinus picea* L., Sp. Pl.: 1001. 1753 [Pinus name fact test].

≡ *Pinus pectinata* Lam., nom. illeg., Fl. Franç. 2: 202. 1779, nom. illeg.

≡ *Abies pectinata* DC., nom. illeg., in Lamarck & Candolle, Fl. Franç., ed. 3, 3: 276. 1805, nom. illeg.

≡ *Abies nobilis* A. Dietr., nom. illeg., Fl. Berlin: 793. 1824, nom. illeg. [is earlier homonym of *Abies nobilis* (D. Don) Lindl.]

this should be fixed

**#80 - 05/15/2023 02:09 PM - Katja Luther**

- Description updated

**#81 - 05/15/2023 02:54 PM - Katja Luther**

- Description updated

**#82 - 05/15/2023 03:07 PM - Katja Luther**

- Description updated

**#83 - 05/17/2023 01:06 PM - Andreas Müller**

- Subject changed from Use DTOs for portal taxon page to Use DTOs for portal taxon page - first implementation for E+M

- Description updated

**#84 - 05/17/2023 01:19 PM - Andreas Müller**

- Tags changed from performance to performance, euro+med

- Description updated

**#85 - 05/17/2023 01:22 PM - Andreas Müller**

- Description updated

**#86 - 05/17/2023 01:34 PM - Katja Luther**

- Description updated

**#87 - 05/17/2023 02:03 PM - Andreas Müller**

- Description updated

**#88 - 05/17/2023 03:09 PM - Andreas Müller**

- Description updated

**#89 - 05/25/2023 10:56 AM - Katja Luther**

- Description updated

**#90 - 05/26/2023 11:35 AM - Katja Luther**

- Description updated

With the current implementation the textual distribution

**#91 - 05/26/2023 11:48 AM - Katja Luther**

- Description updated

**#92 - 05/26/2023 01:22 PM - Andreas Müller**

- Description updated

**#93 - 05/26/2023 01:24 PM - Andreas Müller**

- Description updated

**#94 - 05/26/2023 04:26 PM - Andreas Müller**

- Description updated

**#95 - 05/26/2023 04:28 PM - Andreas Müller**

- Copied to feature request #10322: Use DTOs for portal taxon page (cont.) added

**#96 - 05/27/2023 09:11 PM - Andreas Müller**

- Status changed from In Progress to Resolved

- Target version changed from Release 5.44 to Release 5.38

- % Done changed from 30 to 70

**#97 - 05/27/2023 10:34 PM - Andreas Müller**

- Related to task #4911: improve performance of distributionInfoFor service added

**#98 - 05/27/2023 10:47 PM - Andreas Müller**

- Status changed from Resolved to In Progress

- % Done changed from 70 to 60

Looks like the name relationship filter is not yet implemented, neither on portal side when calling the webservice nor on server side

**#99 - 05/27/2023 10:59 PM - Andreas Müller**

- Related to feature request #9503: Handle term tree of areas and distribution status for distributionInfo in dataportal added

**#100 - 05/28/2023 02:02 PM - Andreas Müller**

Andreas Müller wrote in [#note-98](#):

Looks like the name relationship filter is not yet implemented, neither on portal side when calling the webservice nor on server side

This was partly a mistake. The name relationships filter exists on dataportal side (php). Only the possible prefiltering serverside is not implemented yet. But this is a minor issue.

**#101 - 05/28/2023 02:04 PM - Andreas Müller**

- Assignee changed from Andreas Müller to Katja Luther

However, taxon annotations are not yet shown but they were in old version. Maybe I was wrong when I was saying recently that they are also not implemented in the old version. So they should still be implemented before closing this ticket.

**#102 - 05/28/2023 02:15 PM - Andreas Müller**

- Description updated

**#103 - 05/28/2023 03:23 PM - Andreas Müller**

- Related to feature request #10336: Allow defining the "et al." position in name formatters for data portal added

**#104 - 05/29/2023 05:27 PM - Andreas Müller**

- Related to bug #7716: Apply description sources (references) for a DescriptionBase to all included description elements added

**#105 - 05/30/2023 09:26 PM - Andreas Müller**

- Description updated
- Status changed from In Progress to Resolved
- % Done changed from 60 to 90

All issues relevant for E+M seem to be fixed. From my side we can close this ticket. Please do the final review.

**#106 - 05/31/2023 12:50 PM - Andreas Müller**

- % Done changed from 90 to 70

Applied in changeset [cdmlib|89f98d29dae1e1f05229e3d6795d509b6cc0af40](#).

**#107 - 06/06/2023 12:40 PM - Katja Luther**

Andreas Müller wrote in [#note-101](#):

However, taxon annotations are not yet shown but they were in old version. Maybe I was wrong when I was saying recently that they are also not implemented in the old version. So they should still be implemented before closing this ticket.

This is fixed.

**#108 - 06/06/2023 12:47 PM - Katja Luther**

- Status changed from Resolved to Closed
- Assignee changed from Katja Luther to Andreas Müller

I tested some random pages of euro+med and I could not find any error messages or problems, I also tested some pages of cyprus, cichorieae and flora of cuba to find potential regressions in the current implementation. I think we can close this ticket.

**#109 - 06/26/2023 11:01 AM - Andreas Müller**

- Related to bug #10360: Correct Name in Source display in portal added

**#110 - 01/17/2024 10:40 AM - Andreas Müller**

- Related to bug #7781: original spelling is missing for accepted taxon in taxon page added

**#111 - 03/28/2024 02:50 PM - Andreas Müller**

- % Done changed from 70 to 100

**Files**

clipboard-202302201350-qnda3.png	25.3 KB	02/20/2023	Andreas Müller
clipboard-202305112039-ssit3.png	36.6 KB	05/11/2023	Andreas Müller
clipboard-202305112041-wxgfh.png	25.1 KB	05/11/2023	Andreas Müller