

**EDIT**  
Platform for  
Cybertaxonomy



# TaxEditor

## User manual, appendix:

### Platform output model for botany ("CDM-light" 2.08a)

Version: 9 September 2022

Katja Luther, Andreas Müller, Andreas Kohlbecker, Anton Güntsch & Walter G. Berendsohn

Botanischer Garten und Botanisches Museum Berlin, Freie Universität Berlin



To the extent possible under law, the authors has waived all copyright and related or neighboring rights to EDIT Platform for Cybertaxonomy output model for botany ("CDM-light" 2.07). This work is published from: Germany.



## Contents

1	Introduction.....	2
	Current limitations: .....	2
	Implementation.....	2
	Conventions.....	2
2	Table definitions (export) .....	3
	CommonNameFact.csv.....	3
	CondensedDistributionFact.csv .....	<b>Error! Bookmark not defined.</b>
	FactSources.csv .....	3
	GeographicAreaFact.csv .....	3
	HomotypicGroup.csv .....	3
	Identifier.csv .....	4
	MediaFact.....	4
	Metadata .....	4
	NameFact.csv .....	5
	NameRelationship .....	5
	PersonOrTeam.csv.....	5
	PersonTeamRelation.csv .....	6
	Reference.csv .....	6
	ScientificName.csv.....	7
	SimpleFact.csv .....	8
	Specimen.csv .....	9
	SpecimenFact .....	9
	Synonym .....	10
	Taxon .....	10
	TaxonInteractionFact.....	11
	TypeSpecimen .....	11
	Additional tables (for processing in MS Access and Word) .....	12
	Facts2Use (designates fact categories that should be processed and their sequence in the output).....	12
	Settings (controls output).....	12
3	Schema.ini file.....	13
4	Processing CDM-Light with Microsoft Office programs.....	16
	4.1. Role of schema.ini.....	16
	4.2. Producing Print-Output (Word, PDF, HTML).....	16
	4.3. Producing data for World Flora Online.....	16



## 1 Introduction

### Current limitations:

- Single classification
- No concept relationships except partial and pro-parte synonyms and misapplied names (as flags in synonym.csv table)
- Note: All taxon nodes must have a name Rank assigned, including “pseudotaxa” like clade names and subtitles (e.g. “excluded names”) introduced into the hierarchy to structure the output
- Hybrid formulas will be converted to empty name strings

### Implementation

- Export to csv tables
- Character encoding Unicode UTF-8 (Windows Characterset 65001)
- Choice if csv tables are packed into .zip file

### Conventions

- All attributes ending in \_ID or \_Fk are UUIDs as designated in the CDM
- Sequence of attributes in tables must be maintained for usage in MS-Access etc.

## 2 Table definitions (export)

(note that examples may come from different records)

### CommonNameFact.csv

1	Fact_ID	UUID of Fact	507fcd90-0bcb-436a-8548-8de58e1f5b70	Text
2	Taxon_Fk	Pointer to Taxon_ID in Taxon.csv	adcc91d1-35e0-4516-a8b0-9760da4aeeb8	Text
3	FactText	The actual common name	Guayabilla	Memo
4	Language	Language designation taken from a term list	Spanish	Text
5	AreaLabel	An area designation taken from a term list	Colombia, Republic of	Text

### FactSources.csv

1	Fact_Fk	Pointer to Fact_Id *Fact.csv	13d596d7-ec0f-4d5c-a4d6-da6e4d718442	Text
2	Reference_Fk	Pointer to Reference_ID in Reference.csv	b7197851-6bcc-4861-9db6-0a502837d072	Text
3	NameInSource_Fk	The scientific name used in the source fact	812097ff-6dfc-4061-9be6-7e384c31b0f4	Memo

### GeographicAreaFact.csv

1	Fact_ID	UUID of Fact	44d8e6e0-73f7-4b42-b722-7f2aeb45d44e	Text
2	Taxon_Fk	Taxon Pointer	3b1e2257-da35-44ea-87d5-2e7e0e55a017	Text
3	AreaLabel	The name of the geographic area	Ecuador	Text
4	StatusLabel	Occurrence status within the geographic area	native	Text

### HomotypicGroup.csv

1	HomotypicGroup_ID	UUID of homotypic Group	15360909-e644-4990-8dd2-b03f1f3c79e8	Text
2	HomotypicGroupString	Concatenated output string for homotypic group (names and citations) + status + some name relations (e.g. "non")	<i>Pfeiffera</i> <i>miyagawae</i> Barthlott & Rauh in Cact. Succ. J. (Los Angeles) 59: 63-64. 1987 ≡ <i>Lepismium</i> <i>miyagawae</i> (Barthlott & Rauh) Barthlott in Bradleya 5: 99. 1987 ≡ <i>Rhipsalis</i> <i>miyagawae</i> (Barthlott & Rauh) Kimmach in Cact. Succ. J. (Los Angeles) 68(3): 156. 1996	Memo
3	TypeSpecimenString	Concatenated output of all TypeSpecimen citations in the ScientificName table for the names belonging to the homotypic group		Memo



4	TypeStatementsString	Concatenated output of all (normally: one) TypeStatements in the ScientificName table for the names belonging to the homotypic group		Memo
5	HomotypicGroupStringWithSec	String (2) with sec.-References inserted.		Memo
6	HomotypicGroupStringWithoutAccepted	String (2) without the homotypic group of the accepted name (allows separate formatting of the accepted name)		Memo
7	HomotypicGroupStringWithoutAcceptedWithSec	String (6) with sec.-References inserted		Memo
8	SortOrder	Position of the homotypic group in the output of Synonyms; 0 designates group of the accepted name, >0 the sequence the homotypic group of heterotypic synonyms. Sort order is chronological (year) using the oldest valid name in the group and ascending; groups only containing designations or invalid "names" come last, again in chronological order.	22	Short
9	HomotypicGroupTypeStatementReference			Text

### Identifier.csv

1	ForeignKey	Pointer to UUID of identified object in the referenced table	b3dd1aed-92e0-4058-be8e-4a3956d9f621	Text
2	ReferencedTable	The table holding the record of the identified object	ScientificName	Text
3	ExternalIdentifier	The actual identifier in the external system	wfo-2142232	Text
4	IdentifierType	The respective external identifier system	WFO Name Identifier	Text

### MediaFact

This is a table for facts containing media and no text

1	Fact_ID	UUID of Fact	b3dd1aed-92e0-4058-be8e-4a3956d9f621	Text
2	Taxon_Fk	Taxon Pointer (UUID)	15360909-e644-4990-8dd2-b03f1f3c79e8	Text
3	Name_Fk	Name Pointer (UUID)	3b1e2257-da35-44ea-87d5-2e7e0e55a017	Text
4	MediaURI	URI of the media object	<a href="https://www.gbif.org/occurrence/1987019250">https://www.gbif.org/occurrence/1987019250</a>	Text

### Metadata

1	EditInstance_ID	Identifier for the CDM Instance (database)		Text
---	-----------------	--	--	------

2	EditInstanceName	Name of the CDM instance (database)		Text
3	DatasetTitle			
4	DatasetContributor			
5	DatasetCreator			
6	DatasetDescription			
7	DatasetDownloadLink			
8	DatasetBaseUrl			
9	DatasetKeywords			
10	DataSetLandingPage			
11	Language			
12	Licence			
13	DatasetLocation			
14	RecommendedCitation			

### NameFact.csv

(NB: Protologue-links are covered in the ScientificName table)

1	Fact_ID	UUID of Fact	b3dd1aed-92e0-4058-be8e-4a3956d9f621	Text
2	Name_Fk	Name Pointer (UUID)	15360909-e644-4990-8dd2-b03f1f3c79e8	Text
3	FactText	The actual fact	Standl. in J. Washington Acad. Sci. 14(11): 244. 1924	Memo
4	Language	The language of the FactText	English	Text
5	MediaURI	Link to Medium accompanying the fact	<a href="https://www.biodiversitylibrary.org/page/1988822">https://www.biodiversitylibrary.org/page/1988822</a>	Text
6	FactCategory	Category of the name fact	Additional publication	Text

### NameRelationship

1	Name1_Fk	UUID of first scientific name	666013f3-dd63-45ae-a118-412b7c113816	Text
2	Name2_Fk	UUID of second scientific name	25440686-bb1a-44e8-a5b6-8c0a67d84c10	Text
3	NameRelationshipType	description of relationship	is basionym of	Text

### PersonOrTeam.csv

1	PersonOrTeam_ID	The UUID of the Author or Team	81058813-47f8-42ab-905f-de14b32291ce	Text
2	AbbrevNames	Nomenclatural abbreviation of author or team	T.Moore & Mast. [empty for bibliography-only authors]	Text
3	FullNames	Bibliographic citation of author(s)	Moore, T. & Masters, M.T.	Text

4	PersonOtherNames	for single person only – first or other names	Jean Paul	Text
5	PersonFamilyNames	for single person only – last or family names	Belmondo	Text
6	PersonPrefix	for single person only – title etc.	Dr.	Text
7	PersonSuffix	for single person only - suffix	jr.	Text

### PersonTeamRelation.csv

1	AuthorTeam_Fk	Pointer (UUID) of a team in PersonOrTeam.csv	ab34e611-6e60-4dbb-b6d9-a53ce06e8dde	Text
2	Author_Fk	Pointer (UUID) of an individual person in PersonOrTeam.csv	77181551-8f22-4a59-8bdb-5c721c55668e	Text
3	SequenceNumber	Position in the team	1	Short

### Reference.csv

1	Reference_ID	The UUID for the nomenclatural or bibliographic reference	189bde42-f464-4a55-b773-365886751d77	Text
2	BibliographicShortCitation	Reference citation used in Text or e.g. as sec.-Reference	Allen (2014) Allen & Seymore (2014) Allen & al. (2014)	Text
3	Title	Full title	Eriosyce (Cactaceae): The genus revised and amplified	Memo
4	AbbrevTitle	Nomenclatural abbreviation of title	Eriosyce (Cactac.) Gen. Revis. Ampl.	Text
5	DatePublished	Publication date (string)	1957 ["1956"]	Text
6	Edition	Edition	3	Text
7	Editor	Name of Editor	Marc Dubois	Text
8	ISBN	ISBN Number		Text
9	ISSN	ISSN Number		Text
10	Organisation	Is used for Reference Type Proceedings		Text
11	Pages	Page range of article or section	333-356	Text
12	PlacePublished	Town and country of publication	London	Text
13	Publisher	Publishing house	Oxford University Press	Text
14	ReferenceAbstract	Abstract		Memo
15	SeriesPart			Text
16	Volume	Volume and number	3(15)	Text
17	Year	Publication year	1922	Text
18	FullAuthor	= FullNames in table PersonOrTeam	Adrian Coulter	Text
19	Author_Fk	Pointer (UUID) of person or team in PersonOrTeam.csv		Text
20	InReference	Pointer (UUID) to reference to which current reference belongs (e.g. journal if this is an article)		Text



21	Institution	Used for Reference Types Thesis and Report		Text
22	LSID	Life Science Identifier		Text
23	School	Attribute in use for publications of type Thesis	University of Oxford	Text
24	ReferenceType	Type of publication	Article	Text
25	URI	URI for the full publication if available on-line		Text

**ScientificName.csv**

1	Name_ID	UUID for the Name in the CDM Instance	25440686-bb1a-44e8-a5b6-8c0a67d84c10	Text
2	LSID	IPNI Life Science Identifier	urn:lsid:ipni.org:names:36673-1	Text
3	Rank	VerbatimRank (Code – Latin)	Species	Text
4	RankSequence	Numeric Rank Identifier (ordered) using the cdm rank class see <a href="http://cybertaxonomy.eu/cdmlib/apidocs/eu/etaxonomy/cdm/model/name/RankClass.html">http://cybertaxonomy.eu/cdmlib/apidocs/eu/etaxonomy/cdm/model/name/RankClass.html</a>	44	Short
5	FullNameWithAuthors	For Tropicos name checking – Authors in Tropicos Standard (no blanks between initials, but a blank between lastname and initials, and some other exceptions)	Coccoloba nicaraguensis Standl. & L.O. Williams	Text
6	FullNameNoAuthors	For name checking (= nameCache)	Coccoloba nicaraguensis	Text
7	GenusOrUninomial	Genus or monomial Name	Cactus	Text
8	InfragenericRank	Abbreviated rank term for subdivision of genus	subg.	Text
9	InfraGenericEpithet	Epithet of a generic subdivision	Isocactus	Text
10	SpecificEpithet	Epithet of species	alba	Text
11	InfraspecificRank	Abbreviated rank term for infraspecies	var.	Text
12	InfraSpecificEpithet	Infraspecific epithet	nigra	Text
13	BasionymExAuthorTeam_Fk	Pointer (UUID) to basionym ex author(s)	25t40686-bb1a-44e8-a5b6-8c0a67d84c10	Text
14	BasionymAuthorTeam_Fk	Pointer to basionym author(s)	25440686-bb1a-44e8-a5b6-8c0a67d84c10	Text
15	PublishingExAuthorTeam_Fk	Pointer to publishing ex author(s)	11440686-bb1a-44e8-a5b6-8c0a67d84c10	Text
16	PublishingAuthorTeam_Fk	Pointer to combination author(s)	55540686-bb1a-44e8-a5b6-8c0a67d84c10	Text
17	AuthorTeamString	Nomenclatural authorship string including basionym authors and ex authors	(L.) Willd. ex Rose	Text
18	Reference_Fk	Pointer (UUID) to nomenclatural reference (reference_csv)		Text
19	PublicationType	Article / Book / Book-section etc.	In CDM it is no problem to provide all reference types	Text
20	AbbreviatedTitle	BPH- or TL2-Type abbreviation (A/B) or	abbrev title of the “higher” (see below) nomenclatural reference, NOT the cache!	Text
21	FullTitle	Bibliographic citation of Book (for B-s)	See above, not abbreviated	Memo
22	AbbreviatedInRefAuthor	Abbreviated author of the “higher” reference (Higher references are Books, Journals, etc., NOT (Book)Section,		Text





		Article, but careful with PrintSeries which are usually not higher references in terms of citations)		
23	FullRefAuthor	Same as AbbreviatedRefAuthor but not abbreviated		Text
24	Collation	Volume (issue): Page - OtherPage, Figure (standard citation)		Text
25	Volumelssue	In cdm volume and issue are in one field		Text
26	Detail	Incl. page, other page, figure, ... (a.k.a. nomenclaturalMicroReference		Text
27	DatePublished			Text
28	YearPublished			Text
29	VerbatimDate			Text
30	ProtologueURI	Concatenated list of URLs given for the protologue or nomenclatural act.		Text
31	NomenclaturalStatus	Concatenated list of status' assigned to the name		Text
32	NomenclaturalStatusAbbreviation			Text
33	HomotypicGroup_Fk	Can be used as an arbitrary unique identifier for the homotypic group, or as a pointer to the concatenated homotypic group string		Text
34	HomotypicGroupSequenceNumber			Short
35	ProtologueTypeStatement	The original (verbatim) text establishing the type of this name in the protologue		Text
36	TypeSpecimens	Text composed from individual type specimens assigned to this name		Text
37	TypeStatements	Free text. May include citation of the type(s) of this name, and may describe actions taken in the typification process		Text
38	FullNameWithRef			Text
39	AppendedPhrase	A free-text annex to the scientific name		Text

### SimpleFact.csv

1	Fact_ID			Text
2	Taxon_Fk	Taxon Pointer		Text
3	FactText			Memo
4	Language	For every representation of a Multilanguage text create a new fact		Text
5	MediaURI	URI; URI; ...		Text
6	FactsCategory			Text



**Specimen.csv**

1	Specimen_ID			Text
2	SpecimenCitation	Locality, Collector, Number, Date, Herbarium code and herbarium number, if present.	titleCache	Memo
3	FieldUnitCitation	Specimen citation without herbarium code and number		
4	Locality			Memo
5	Country			Text
6	AreaCategory1	Usually abbreviated		Text
7	AreaName1			Text
8	AreaCategory2	Usually abbreviated		Text
9	AreaName2			Text
10	AreaCategory3	Usually abbreviated		Text
11	AreaName3			Text
12	FurtherAreas			Text
13	CollectorString		Should be the collectorString if it is implemented (?) otherwise titleCache	Text
14	CollectorNumber			Text
15	CollectionDate			Text
16	SpecimenImageURIs	URI; URI; ...		Memo
17	HerbariumAbbrev			Text
18	MediaSpecimenURL	Specimen only available as media?		Text
19	PreferredStableID	CETAF GUID		Memo
20	Barcode			Text
21	CatalogueNumber			Text
22	AccessionNumber			Text

**SpecimenFact**

1	Fact_ID			Text
2	Taxon_Fk	Taxon Pointer		Text
3	Specimen_Fk			Text
4	SpecimenDescription			Memo
5	SpecimenNotes			Memo



### Synonym

1	Synonym_ID			Text
2	Taxon_Fk	Taxon Pointer		Text
3	Name_Fk			Text
4	SynSecReference_Fk			Text
5	SynSecReference	Bibliographic short citation of syn-sec.-reference		Memo
6	SecReference_Fk			Text
7	SecReference			Memo
8	IsProParteSynonym			Bit
9	IsPartial			Bit
10	isMisapplied			Bit
11	Published	Marker for published names		Bit
12	SortIndex	Sequence of synonyms, sorted chronologically by homotypic group and by valid taxa within homotypic group. Designations and invalid names come last.	2	Short
13	AppendedPhrase	A free-text annex to the name of the synonym		Text

### Taxon

1	Taxon_ID	Taxon Identifier		Text
2	Classification_ID	Uuid of the classification to which the taxon pertains in this output		Text
3	ClassificationName	Name of the classification to which the taxon pertains in this output		Text
4	Name_Fk	Uuid of the name of the taxon		Text
5	Parent_Fk	Uuid of the parent taxon		Text
6	SecReference_Fk	Uuid of the secundum reference		Text
7	SecReference	Bibliographic short citation of sec.-reference		Text
8	SecSubName_Fk	Uuid of the accepted name in the sec. reference		Text
9	SecSubName	Accepted name in the sec. reference w/o authors		Text
10	SecSubNameAuthors	Author string of the accepted name in the sec. ref.		Text
11	AppendedPhrase	A free-text annex to the name of the taxon		Text



12	SortIndex	Sortorder determined at time of export		Short
13	PlacementIncluded	The taxon is included in its parent taxon		Bit
14	PlacementDoubtful	Marker for doubtful placement of taxon		Bit
15	Unplaced	Marker for unplaced taxon		Bit
16	Excluded	Marker for excluded for some reason		Bit
17	ExcludedExact	Marker for a taxon excluded w/o specified reason		Bit
18	ExcludedGeo	Marker, excluded because out of geographic scope		Bit
19	ExcludedTax	Marker, excluded because out of taxonomic scope		Bit
20	ExcludedNom	Marker, excluded for nomenclatural reasons		Bit
21	UncertainApplication	Name of verified uncertain application		Bit
22	PlacementUnresolved	Name still to be revised		Bit
23	PlacementStatus	Placement statement as text		Text
24	PlacementNotes	Reason for the placement of the taxon		Memo
25	PlacementReference_Fk	Uuid of the placement reference		Text
26	PlacementReference	Reference for the placement		Text
27	Published	Marker for published taxa		Bit

### **TaxonInteractionFact**

1	Fact_ID			Text
2	Taxon_Fk	Taxon Pointer		Text
3	Taxon2_Fk	Taxon Pointer		Text
4	Description			Memo

### **TypeSpecimen**

1	TypeSpecimen_ID			Text
2	ScientificName_Fk	Pointer to typified name		Text
3	Specimen_Fk	Pointer to specimen data		Text
4	TypeStatus	Kind of type	Holotype, Lectotype, Isotype etc.	Memo
5	TypeDesignatedBy_Fk	Pointer to the bibliographic source reference of the nomenclaturally relevant designation		Text
6	TypeInformationSource	List of source references for the type information	Bauer (1992), Manning (1995)	Text
7	TypeInfoSourcePreferred	Pointer to the preferred bibliographic source reference for the type information		Text

Additional tables (for processing in MS Access and Word)

**Facts2Use (designates fact categories that should be processed and their sequence in the output)**

1	FactCategory	Name of the fact category		Text
2	FactSequence	Position of the facts belonging to this categorie in the output		Short
3	FactPrompt	Category name in output		Text

**Settings (controls output)**

1	SettingText	Parameter name	DoIndComNm	Text
2	SetValue	Setting	0, -1	Bit

Current parameters (SettingText):

- DoIndComNm
- DoIndSciNm
- DoClean
- Debug
- InclSupraspTypes
- InclSpeciesTypes
- InclFactRef
- InclSecRef
- InclSynSecRef
- DoEnglish
- GenericTypeNewLine



### 3 Schema.ini file

[CommonNameFact.csv]  
Format=CSVDelimited  
CharacterSet=65001  
Col1=Fact\_ID Text  
Col2=Taxon\_FK Text  
Col3=FactText Memo  
Col4=Language Text  
Col5=AreaLabel Text

[Facts2use.csv]  
Format=CSVDelimited  
CharacterSet=65001  
Col1=FactCategory Text  
Col2=FactSequence Short  
Col3=FactPrompt Text

[FactSources.csv]  
Format=CSVDelimited  
CharacterSet=65001  
Col1=Fact\_Fk Text  
Col2=Reference\_Fk Text  
Col3=NameInSource\_Fk Text  
Col4=FactType Text

[GeographicAreaFact.csv]  
Format=CSVDelimited  
CharacterSet=65001  
Col1=Fact\_ID Text  
Col2=Taxon\_FK Text  
Col3=AreaLabel Text  
Col4=StatusLabel Text

[HomotypicGroup.csv]  
Format=CSVDelimited  
CharacterSet=65001  
Col1=HomotypicGroup\_ID Text  
Col2=HomotypicGroupString Memo  
Col3=TypeSpecimenString Memo  
Col4=TypeStatementsString Memo  
Col5=HomotypicGroupStringWithSec Memo  
Col6=HomotypicGroupStringWithoutAccepted Memo  
Col7=HomotypicGroupStringWithoutAcceptedWithSec Memo  
Col8=SortIndex Short  
Col9=HomotypicGroupTypeStatementReference Text

[Identifier.csv]  
Format=CSVDelimited  
CharacterSet=65001  
Col1=ForeignKey Text  
Col2=ReferencedTable Text  
Col3=ExternalIdentifier Text  
Col4=IdentifierType Text

[MediaFact.csv]  
Format=CSVDelimited  
CharacterSet=65001  
Col1=Fact\_ID Text  
Col2=Taxon\_FK Text  
Col3=Name\_Fk Text  
Col4=MediaURI Text

[Metadata.csv]  
Col1=EditInstance\_ID  
Col2=EditInstanceName  
Col3=DatasetTitle  
Col4=DatasetContributor  
Col5=DatasetCreator  
Col6=DatasetDescription  
Col7=DatasetDownloadLink  
Col8=DatasetBaseUrl  
Col9=DatasetKeywords  
Col10=DataSetLandingPage  
Col11=Language  
Col12=Licence  
Col13=DatasetLocation  
Col14=RecommendedCitation

[NameFact.csv]  
Format=CSVDelimited  
CharacterSet=65001  
Col1=Fact\_ID Text  
Col2=Name\_FK Text  
Col3=FactText Memo  
Col4=Language Text  
Col5=MediaURI Text  
Col6=FactCategory Text

[NameRelationship.csv]  
Format=CSVDelimited  
CharacterSet=65001  
Col1=Name1\_Fk Text  
Col2=Name2\_Fk Text  
Col3=NameRelationshipType Text

[PersonOrTeam.csv]  
Format=CSVDelimited  
CharacterSet=65001  
Col1=PersonOrTeam\_ID Text  
Col2=AbbrevNames Text  
Col3=FullNames Text  
Col4=PersonOtherNames Text  
Col5=PersonFamilyName Text  
Col6=PersonPrefix Text  
Col7=PersonSuffix Text



[PersonTeamRelation.csv]  
Format=CSVDelimited  
CharacterSet=65001  
Col1=AuthorTeam\_Fk Text  
Col2=Author\_Fk Text  
Col3=SequenceNumber Short

[Reference.csv]  
Format=CSVDelimited  
CharacterSet=65001  
Col1=Reference\_ID Text  
Col2=BibliographicShortCitation Text  
Col3=Title Memo  
Col4=AbbrevTitle Text  
Col5=DatePublished Text  
Col6=Edition Text  
Col7=Editor Text  
Col8=ISBN Text  
Col9=ISSN Text  
Col10=Organisation Text  
Col11=Pages Text  
Col12=PlacePublished Text  
Col13=Publisher Text  
Col14=ReferenceAbstract Memo  
Col15=SeriesPart Text  
Col16=Volume Text  
Col17=Year Text  
Col18=FullAuthor Text  
Col19=Author\_Fk Text  
Col20=InReference Text  
Col21=Institution Text  
Col22=LSID Text  
Col23=School Text  
Col24=ReferenceType Text  
Col25=URI Text

[ScientificName.csv]  
Format=CSVDelimited  
CharacterSet=65001  
Col1=Name\_ID Text  
Col2=LSID Text  
Col3=Rank Text  
Col4=RankSequence Short  
Col5=FullNameWithAuthors Text  
Col6=FullNameNoAuthors Text  
Col7=GenusOrUninomial Text  
Col8=InfragenericRank Text  
Col9=InfraGenericEpithet Text  
Col10=SpecificEpithet Text  
Col11=InfraspecificRank Text  
Col12=InfraSpecificEpithet Text  
Col13=BasionymExAuthorTeam\_Fk Text  
Col14=BasionymAuthorTeam\_Fk Text  
Col15=PublishingExAuthorTeam\_Fk Text  
Col16=PublishingAuthorTeam\_Fk Text  
Col17=AuthorTeamString Text  
Col18=Reference\_Fk Text

Col19=PublicationType Text  
Col20=AbbreviatedTitle Text  
Col21=FullTitle Memo  
Col22=AbbreviatedInRefAuthor Text  
Col23=FullInRefAuthor Text  
Col24=Collation Text  
Col25=VolumeIssue Text  
Col26=Detail Text  
Col27=DatePublished Text  
Col28=YearPublished Text  
Col29=VerbatimDate Text  
Col30=ProtologueURI Text  
Col31=NomenclaturalStatus Text  
Col32=NomenclaturalStatusAbbreviation Text  
Col33=HomotypicGroup\_Fk Text  
Col34=HomotypicGroupSequenceNumber Short  
Col35=ProtologueTypeStatement Text  
Col36=TypeSpecimens Memo  
Col37=TypeStatements Memo  
Col38=FullNameWithRef Text  
Col39=AppendedPhrase Text

[Settings.csv]  
Format=CSVDelimited  
CharacterSet=65001  
Col1=Setting Text  
Col2=SetValue bit

[SimpleFact.csv]  
Format=CSVDelimited  
CharacterSet=65001  
Col1=Fact\_ID Text  
Col2=Taxon\_Fk Text  
Col3=FactText Memo  
Col4=Language Text  
Col5=MediaURI Text  
Col6=FactCategory Text



[Specimen.csv]

Format=CSVDelimited  
CharacterSet=65001  
Col1=Specimen\_ID Text  
Col2=SpecimenCitation Memo  
Col3=FieldUnitCitation Memo  
Col4=Locality Memo  
Col5=Country Text  
Col6=AreaCategory1 Text  
Col7=AreaName1 Text  
Col8=AreaCategory2 Text  
Col9=AreaName2 Text  
Col10=AreaCategory3 Text  
Col11=AreaName3 Text  
Col12=FurtherAreas Text  
Col13=CollectorString Text  
Col14=CollectorNumber Text  
Col15=CollectionDate Text  
Col16=SpecimenImageURIs Memo  
Col17=HerbariumAbbrev Text  
Col18=MediaSpecimenURI Text  
Col19=PreferredStableID Text  
Col20=Barcode Text  
Col21=CatalogueNumber Text  
Col22=AccessionNumber Text

[SpecimenFact.csv]

Format=CSVDelimited  
CharacterSet=65001  
Col1=Fact\_ID Text  
Col2=Taxon\_Fk Text  
Col3=Specimen\_Fk Text  
Col4=SpecimenDescription Memo  
Col5=SpecimenNotes Memo

[Synonym.csv]

Format=CSVDelimited  
CharacterSet=65001  
Col1=Synonym\_ID Text  
Col2=Taxon\_Fk Text  
Col3=Name\_Fk Text  
Col4=SynSecReference\_Fk Text  
Col5=SynSecReference Memo  
Col6=SecReference\_Fk Text  
Col7=SecReference Memo  
Col8=IsProParteSynonym Bit  
Col9=IsPartial Bit  
Col10=IsMisapplied Bit  
Col11=Published Bit  
Col12=SortIndex Short  
Col13=AppendedPhrase Text

[Taxon.csv]

Format=CSVDelimited  
CharacterSet=65001  
Col1=Taxon\_ID Text  
Col2=Classification\_ID Text

Col3=ClassificationName Text  
Col4=Name\_Fk Text  
Col5=Parent\_Fk Text  
Col6=SecReference\_Fk Text  
Col7=SecReference Text  
Col8=SecSubName\_Fk Text  
Col9=SecSubName Text  
Col10=SecSubNameAuthors Text  
Col11=AppendedPhrase Text  
Col12=SortIndex Short  
Col13=PlacementIncluded bit  
Col14=PlacementDoubtful bit  
Col15=Unplaced bit  
Col16=Excluded bit  
Col17=ExcludedExact bit  
Col18=ExcludedGeo bit  
Col19=ExcludedTax bit  
Col20=ExcludedNom bit  
Col21=UncertainApplication bit  
Col22=PlacementUnresolved bit  
Col23=PlacementStatus text  
Col24=PlacementNotes Memo  
Col25=PlacementReference\_Fk Text  
Col26=PlacementReference Text  
Col27=Published bit

[TaxonInteractionFact.csv]

Format=CSVDelimited  
CharacterSet=65001  
Col1=Fact\_ID Text  
Col2=Taxon\_Fk Text  
Col3=Taxon2\_Fk Text  
Col4=Description Memo





## **4 Processing CDM-Light with Microsoft Office programs**

### **4.1. Role of schema.ini**

For import in MS-Access (and Excel ?) place schema.ini as a text-only file in the same directory with your access database and the CDM-light .cvs tables. This ensures that the character encoding and the data type of the fields in the tables are recognised (otherwise these programs try to detect the data type from the first few records).

Schema.ini defines attribute data types for import into MS-Access according to the Microsoft Jet data types: Bit, Byte, Short [= Integer], Long, Currency, Single, Double, DateTime, Text [≤ 255 characters], Memo [≤ 2 GB text BLOB] (see [https://en.wikibooks.org/wiki/JET\\_Database/Data\\_types](https://en.wikibooks.org/wiki/JET_Database/Data_types)). Default type is Text.

### **4.2. Producing Print-Output (Word, PDF, HTML)**

To produce a textual checklist of the content: Manual-EDIT-Platform-Appendix-Checklist-Document-Procedure.docx (in preparation)

### **4.3. Producing data for World Flora Online**

To produce a Darwin Core Archive format file to replace a family treatment in the World Flora Online taxonomic backbone: Manual-EDIT-Platform-Appendix-WFO-Backbone-Procedure.pdf

To produce a Darwin Core Archive format file for Content to be added to the World Flora Online database: Manual-EDIT-Platform-Appendix-WFO-Content-Procedure.pdf (in preparation)