TaxEditor

User manual, appendix:

Platform output model for botany ("CDM-light" 2.05)

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Contents

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
•   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 IDs 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

CondensedDistributionFact.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	Condensed distribution		Memo

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
4	FactType	may be SimpleFact, GeographicAreaFact, SpecimenFact or CondensedDistributionFact	SimpleFact	Text

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")	*Pfeiffera* *miyagawae* Barthlott & Rauh in Cact. Succ. J. (Los Angeles) 59: 63-64. 1987 ≡ *Lepismium* *miyagawae* (Barthlott & Rauh) Barthlott in Bradleya 5: 99. 1987 ≡ *Rhipsalis* *miyagawae* (Barthlott & Rauh) Kimnach 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

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	https://www.gbif.org/occurrence/1987019250	Text

Metadata

| 1 | EditInstance_ID | Identifier for the CDM Instance (database) | | Text |
| 2 | EditInstanceName | Name of the CDM instance (database) | | Text |

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	https://www.biodiversitylibrary.org/page/1988822	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 Identifer	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 http://cybertaxonomy.eu/cdmlib/apidocs/eu/etaxonomy/cdm/model/name/RankClass.html	44	Short
5	FullNameWithAuthors	For Tropicos name checking – Authors in Tropicos Standard (no blanks between initialss, 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 mononomial 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)	254406ss-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, Article, but careful with PrintSeries which are usually not higher references in terms of citations)		Text
23	FullRefAuthor	Same as AbbreviatedRefAuthor but not abbreviated		Text

24	Collation	Volume (issue): Page - OtherPage, Figure (standard citation)		Text
25	VolumeIssue	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

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

Taxon

1	Taxon_ID	Taxon Identifier		Text
2	Classification_ID			Text
3	ClassificationName			Text
4	Name_Fk			Text
5	Parent_Fk	Uuid of the parent taxon		Text
6	SecReference_Fk			Text
7	SecReference	Bibliographic short citation of sec.-reference		Memo
8	SortIndex	Sortorder determined at time of export		Short
9	Excluded	Marker for excluded taxa		Bit
10	ExcludedNotes	Reason for the exclusion of the taxon		Memo
11	Published	Marker for published taxa		Bit
12	Unplaced	Marker for unplaced taxa		Bit

TaxonInteractionFact

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

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

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

[CondensedDistributionFact.csv]
Format=CSVDelimited
CharacterSet=65001
Col1=Fact_ID Text
Col2=Taxon_FK Text
Col3=FactText Memo

[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=SortOrder Short

[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

[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

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

[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=SortOrder Short

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=SortIndex Short
Col9=Excluded bit
Col10=ExcludedNotes Memo
Col11=Published bit
Col12=Unplaced 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). 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.docx

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.docx (in preparation)