UniMus:Natur

Databaseskjemaer

De naturhistoriske objektsamlingene i UniMus er bygd over samme lest, dvs. at databasestrukturen til de forskjellige samlingene (botanikk: alger, karplanter, lav, mose og sopp; zoologi: entomologi og evertebrater) har en felles oppbygning. Forskjellen ligger først og fremst i enkeltfelt knyttet til objektene, f.eks. hvordan de samles inn og stedfestes, og, noen grad, i grupperingen av artene.

Nedenfor har vi vedlagt databaseskjemaene til to av objektsamlingene, karplanter og entomologi, i PDF-format. (Skjemaene er laget med https://dbschema.com/, slik at utgangspunktet for PDFene også er tilgjengelige.)

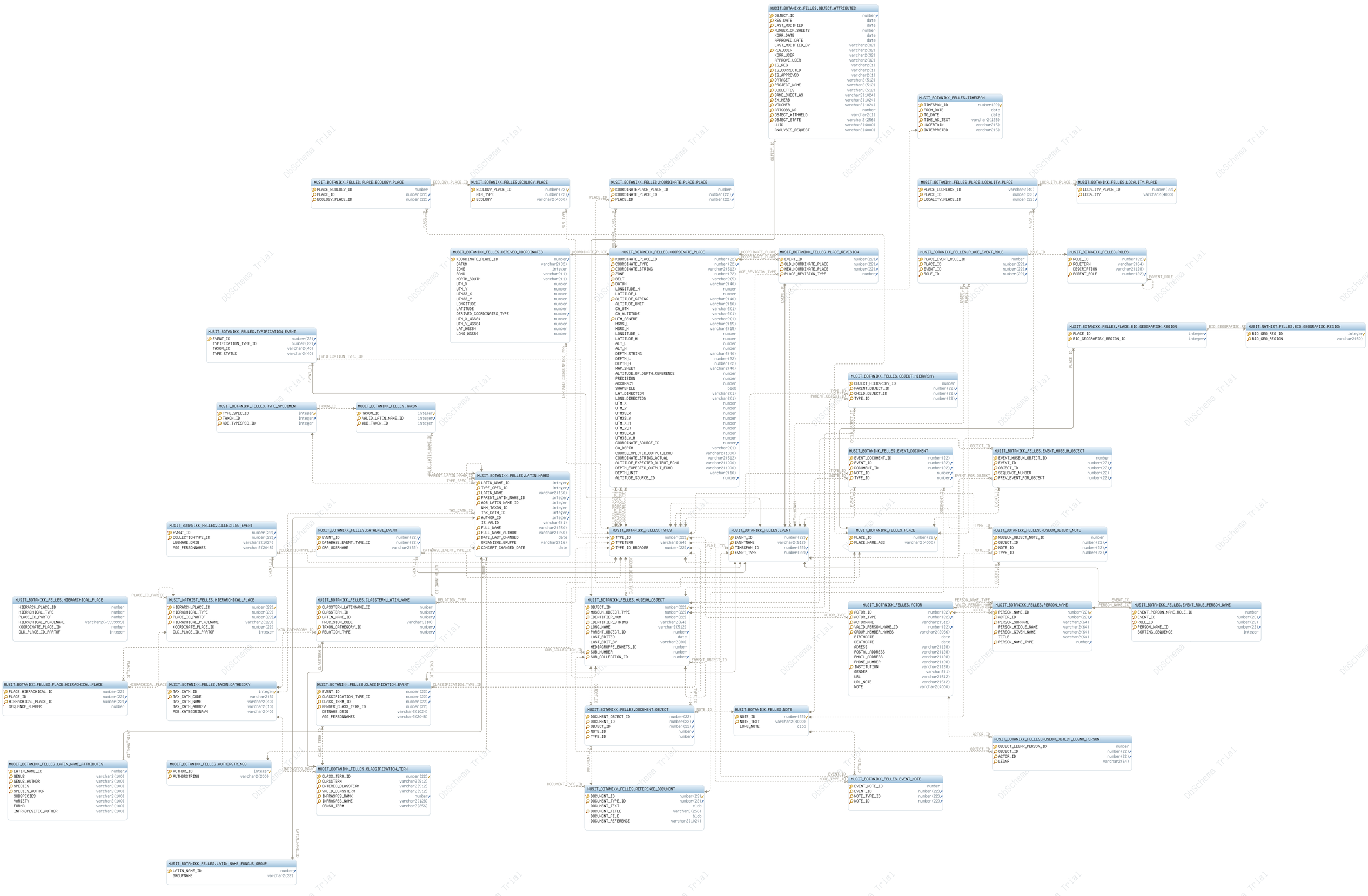
Eksport

Innholdet i samlingene eksporteres daglig ut i tab-separerte filer basert på Darwin Core-formatet (https://dwc.tdwg.org/). I det vedlagte eksempelet vises ett objekt (en post) fra NHMs mosebase. Eksempelet vises i vertikalt format for oversiktens skyld.

Foreløpig eksporteres dataene i to varianter, hvor den ene varianten (zip) består av to filer, en fil med selve objektdataene og en fil med lenker til bilder av objektene. I den andre varianten (gz) finner man lenkene til bildefilene i et eget felt i den tab-separerte filen.

Intern migrering

I forbindelse med migrering av data fra Oracle (gammelt, eksisterende system) til PostgreSQL (nytt, web-basert system) er det utarbeidet et JSON-eksport for å lette flyttingen av alle data ("legacy data") fra én databasemodell/-struktur til en annen. Dette ble gjort for naturhistorie i forbindelse med de marine evertebrat-dataene (og gjøres i UniMus:Kultur-prosjektet for alle samlingstyper). Vi vedlegger også en slik "JSON-klump" for å illustrere en annen måte å eksportere eller flytte data på, som beholder mye av informasjonen fra databasestrukturen med en tekseksport av data.


MUSIT_BOTANIKK_FELLES.OBJECT_ATTRIBUTES
OBJECT_ID number
REG_DATE date
LAST_MODIFIED date
NUMBER_OF_SHEETS number
KORR_DATE date
APPROVED_DATE date
LAST_MODIFIED_BY varchar2(32)
REG_USER varchar2(32)
KORR_USER varchar2(32)
APPROVE_USER varchar2(32)
IS_REG varchar2(1)
IS_CORRECTED varchar2(1)
IS_APPROVED varchar2(1)
DATASET varchar2(512)
PROJECT_NAME varchar2(512)
DUBLETTES varchar2(512)
SAME_SHEET_AS varchar2(1024)
EX_HERB varchar2(1024)
VOUCHER varchar2(1024)
ARTSOBS_NR number
OBJECT_WITHHELD varchar2(1)
OBJECT_STATE varchar2(256)
UUID varchar2(4000)
ANALYSIS_REQUEST varchar2(4000)
MUSIT_BOTANIKK_FELLES.TIMESPAN
TIMESPAN_ID number(22)
FROM_DATE date
TO_DATE date
TIME_AS_TEXT varchar2(128)
UNCERTAIN varchar2(5)
INTERPRETED varchar2(5)
MUSIT_BOTANIKK_FELLES.PLACE_ECOLOGY_PLACE
PLACE_ECOLOGY_ID number
PLACE_ID number(22)
ECOLOGY_PLACE_ID number(22)
MUSIT_BOTANIKK_FELLES.ECOLOGY_PLACE
ECOLOGY_PLACE_ID number(22)
NIN_TYPE number(22)
ECOLOGY varchar2(4000)
MUSIT_BOTANIKK_FELLES.KOORDINATE_PLACE_PLACE
KOORDINATE_PLACE_ID number
KOORDINATE_PLACE_ID number(22)
PLACE_ID number(22)
MUSIT_BOTANIKK_FELLES.PLACE_LOCALITY_PLACE
PLACE_LOCPLACE_ID varchar2(40)
PLACE_ID number(22)
LOCALITY_PLACE_ID number(22)
MUSIT_BOTANIKK_FELLES.LOCALITY_PLACE
LOCALITY_PLACE_ID number(22)
LOCALITY varchar2(4000)
MUSIT_BOTANIKK_FELLES.DERIVED_COORDINATES
KOORDINATE_PLACE_ID number
DATUM varchar2(32)
ZONE integer
BAND varchar2(1)
NORTH_SOUTH varchar2(1)
UTM_X number
UTM_Y number
UTM33_X number
UTM33_Y number
LONGITUDE number
LATITUDE number
DERIVED_COORDINATES_TYPE number
UTM_X_WGS84 number
UTM_Y_WGS84 number
LAT_WGS84 number
LONG_WGS84 number
MUSIT_BOTANIKK_FELLES.KOORDINATE_PLACE
KOORDINATE_PLACE_ID number(22)
COORDINATE_TYPE number(22)
COORDINATE_STRING varchar2(512)
ZONE number(22)
BELT varchar2(5)
DATUM varchar2(40)
LONGITUDE_M number
LATITUDE_L number
ALTITUDE_STRING varchar2(40)
ALTITUDE_UNIT varchar2(10)
CA_UTM varchar2(1)
CA_ALTITUDE varchar2(1)
UTM_SENERE varchar2(1)
MGRS_L varchar2(15)
MGRS_H varchar2(15)
LONGITUDE_L number
LATITUDE_H number
ALT_L number
ALT_H number
DEPTH_STRING varchar2(40)
DEPTH_L number(22)
DEPTH_H number(22)
MAP_SHEET varchar2(40)
ALTITUDE_OF_DEPTH_REFERENCE number
PRECISION number
ACCURACY number
SHAPEFILE blob
LAT_DIRECTION varchar2(1)
LONG_DIRECTION varchar2(1)
UTM_X number
UTM_Y number
UTM33_X number
UTM33_Y number
UTM_X_H number
UTM_Y_H number
UTM33_X_H number
UTM33_Y_H number
COORDINATE_SOURCE_ID number
CA_DEPTH varchar2(1)
COORD_EXPECTED_OUTPUT_ECHO varchar2(1000)
COORDINATE_STRING_ACTUAL varchar2(512)
ALTITUDE_EXPECTED_OUTPUT_ECHO varchar2(1000)
DEPTH_EXPECTED_OUTPUT_ECHO varchar2(1000)
DEPTH_UNIT varchar2(10)
ALTITUDE_SOURCE_ID number
MUSIT_BOTANIKK_FELLES.PLACE_REVISION
EVENT_ID number(22)
OLD_KOORDINATE_PLACE number(22)
NEW_KOORDINATE_PLACE number(22)
PLACE_REVISION_TYPE number
MUSIT_BOTANIKK_FELLES.PLACE_EVENT_ROLE
PLACE_EVENT_ROLE_ID number
PLACE_ID number(22)
EVENT_ID number(22)
ROLE_ID number(22)
MUSIT_BOTANIKK_FELLES.ROLES
ROLE_ID number(22)
ROLETERM varchar2(64)
DESCRIPTION varchar2(128)
PARENT_ROLE number(22)
MUSIT_BOTANIKK_FELLES.TYPIFICATION_EVENT
EVENT_ID number(22)
TYPIFICATION_TYPE_ID number(22)
TAXON_ID varchar2(40)
TYPE_STATUS varchar2(40)
MUSIT_BOTANIKK_FELLES.PLACE_BIO_GEOGRAFISK_REGION
PLACE_ID integer
BIO_GEOGRAFISK_REGION_ID integer
MUSIT_NATHIST_FELLES.BIO_GEOGRAFISK_REGION
BIO_GEO_REG_ID integer
BIO_GEO_REGION varchar2(50)
MUSIT_BOTANIKK_FELLES.OBJECT_HIERARCHY
OBJECT_HIERARCHY_ID number
PARENT_OBJECT_ID number(22)
CHILD_OBJECT_ID number(22)
TYPE_ID number(22)
MUSIT_BOTANIKK_FELLES.TYPE_SPECIMEN
TYPE_SPEC_ID integer
TAXON_ID integer
ADB_TYPESPEC_ID integer
MUSIT_BOTANIKK_FELLES.TAXON
TAXON_ID integer
VAL_ID_LATIN_NAME_ID integer
ADB_TAXON_ID integer
MUSIT_BOTANIKK_FELLES.EVENT_DOCUMENT
EVENT_DOCUMENT_ID number(22)
EVENT_ID number(22)
DOCUMENT_ID number(22)
NOTE_ID number
TYPE_ID number
MUSIT_BOTANIKK_FELLES.EVENT_MUSEUM_OBJECT
EVENT_MUSEUM_OBJECT_ID number
EVENT_ID number(22)
OBJECT_ID number(22)
SEQUENCE_NUMBER number(22)
PREV_EVENT_FOR_OBJEKT number(22)
MUSIT_BOTANIKK_FELLES.LATIN_NAMES
LATIN_NAME_ID integer
TYPE_SPEC_ID integer
LATIN_NAME varchar2(150)
PARENT_LATIN_NAME_ID integer
ADB_LATIN_NAME_ID integer
NNM_TAXON_ID integer
TAX_CATH_ID integer
AUTHOR_ID integer
IS_VAL_ID varchar2(1)
FULL_NAME varchar2(250)
FULL_NAME_AUTHOR varchar2(250)
DATE_LAST_CHANGED date
ORGANISME_GRUPPE varchar2(16)
CONCEPT_CHANGED_DATE date
MUSIT_BOTANIKK_FELLES.COLLECTING_EVENT
EVENT_ID number(22)
COLLECTIONTYPE_ID number(22)
LEGNAME_ORIG varchar2(1024)
AGG_PERSONNAMES varchar2(2048)
MUSIT_BOTANIKK_FELLES.DATABASE_EVENT
EVENT_ID number(22)
DATABASE_EVENT_TYPE_ID number(22)
ORA_USERNAME varchar2(32)
MUSIT_BOTANIKK_FELLES.TYPES
TYPE_ID number(22)
TYPETERM varchar2(64)
TYPE_ID_BROADER number(22)
MUSIT_BOTANIKK_FELLES.EVENT
EVENT_ID number(22)
EVENTNAME varchar2(512)
TIMESPAN_ID number(22)
EVENT_TYPE number(22)
MUSIT_BOTANIKK_FELLES.PLACE
PLACE_ID number(22)
PLACE_NAME_AGG varchar2(4000)
MUSIT_BOTANIKK_FELLES.MUSEUM_OBJECT_NOTE
MUSEUM_OBJECT_NOTE_ID number
OBJECT_ID number(22)
NOTE_ID number(22)
TYPE_ID number(22)
MUSIT_BOTANIKK_FELLES.HIERARCHICAL_PLACE
HIERARCH_PLACE_ID number
HIERACHICAL_TYPE number
PLACE_ID_PARTOF number
HIERACHICAL_PLACENAME varchar2(-999999)
KOORDINATE_PLACE_ID number
OLD_PLACE_ID_PARTOF integer
MUSIT_NATHIST_FELLES.HIERARCHICAL_PLACE
HIERARCH_PLACE_ID number(22)
HIERACHICAL_TYPE number(22)
PLACE_ID_PARTOF number(22)
HIERACHICAL_PLACENAME varchar2(128)
KOORDINATE_PLACE_ID number(22)
OLD_PLACE_ID_PARTOF integer
MUSIT_BOTANIKK_FELLES.CLASSTERM_LATIN_NAME
CLASSTERM_LATINNAME_ID number
CLASSTERM_ID number
LATIN_NAME_ID number
PRECISION_CODE varchar2(10)
TAXON_CATHEGORY_ID number
RELATION_TYPE number
MUSIT_BOTANIKK_FELLES.MUSEUM_OBJECT
OBJECT_ID number(22)
MUSEUM_OBJECT_TYPE number(22)
IDENTIFIER_NUM number(22)
IDENTIFIER_STRING varchar2(64)
LONG_NAME varchar2(512)
PARENT_OBJECT_ID number
LAST_EDITED date
LAST_EDIT_BY varchar2(30)
MEDIAGRUPPE_ENHETS_ID number
SUB_NUMBER number
SUB_COLLECTION_ID number
MUSIT_BOTANIKK_FELLES.ACTOR
ACTOR_ID number(22)
ACTOR_TYPE number(22)
ACTORNAME varchar2(512)
VALID_PERSON_NAME_ID number(22)
GROUP_MEMBER_NAMES varchar2(2056)
BIRTHDATE date
DEATHDATE date
ADRESS varchar2(128)
POSTAL_ADDRESS varchar2(128)
EMAIL_ADDRESS varchar2(128)
PHONE_NUMBER varchar2(128)
INSTITUTION varchar2(128)
GENDER varchar2(1)
URL varchar2(512)
URL_NOTE varchar2(512)
NOTE varchar2(4000)
MUSIT_BOTANIKK_FELLES.PERSON_NAME
PERSON_NAME_ID number(22)
ACTOR_ID number(22)
PERSON_SURNAME varchar2(64)
PERSON_MIDDLE_NAME varchar2(64)
PERSON_GIVEN_NAME varchar2(64)
TITLE varchar2(64)
PERSON_NAME_TYPE number
MUSIT_BOTANIKK_FELLES.EVENT_ROLE_PERSON_NAME
EVENT_PERSON_NAME_ROLE_ID number
EVENT_ID number(22)
ROLE_ID number(22)
PERSON_NAME_ID number(22)
SORTING_SEQUENCE integer
MUSIT_BOTANIKK_FELLES.PLACE_HIERACHICAL_PLACE
PLACE_HIERHCHICAL_ID number(22)
PLACE_ID number(22)
HIERACHICAL_PLACE_ID number(22)
SEQUENCE_NUMBER number
MUSIT_BOTANIKK_FELLES.TAXON_CATHEGORY
TAX_CATH_ID integer
TAX_CATH_CODE varchar2(3)
TAX_CATH_NAME varchar2(40)
TAX_CATH_ABBREV varchar2(10)
ADB_KATEGORINAVN varchar2(40)
MUSIT_BOTANIKK_FELLES.CLASSIFICATION_EVENT
EVENT_ID number(22)
CLASSIFICATION_TYPE_ID number(22)
CLASS_TERM_ID number(22)
GENDER_CLASS_TERM_ID number(22)
GETNAME_ORIG varchar2(1024)
AGG_PERSONNAMES varchar2(2048)
MUSIT_BOTANIKK_FELLES.DOCUMENT_OBJECT
DOCUMENT_OBJECT_ID number(22)
DOCUMENT_ID number(22)
OBJECT_ID number(22)
NOTE_ID number
TYPE_ID number
MUSIT_BOTANIKK_FELLES.NOTE
NOTE_ID number(22)
NOTE_TEXT varchar2(4000)
LONG_NOTE clob
MUSIT_BOTANIKK_FELLES.MUSEUM_OBJECT.LEGNR_PERSON
OBJECT_LEGNR_PERSON_ID number
OBJECT_ID number(22)
ACTOR_ID number(22)
LEGNR varchar2(64)
MUSIT_BOTANIKK_FELLES.LATIN_NAME_ATTRIBUTES
LATIN_NAME_ID number
GENUS varchar2(100)
GENUS_AUTHOR varchar2(100)
SPECIES varchar2(100)
SPECIES_AUTHOR varchar2(100)
SUBSPECIES varchar2(100)
VARIETY varchar2(100)
FORMA varchar2(100)
INFRASPESIFIC_AUTHOR varchar2(100)
MUSIT_BOTANIKK_FELLES.AUTHORSTRINGS
AUTHOR_ID integer
AUTHORSTRING varchar2(200)
MUSIT_BOTANIKK_FELLES.CLASSIFICATION_TERM
CLASS_TERM_ID number(22)
CLASSTERM varchar2(512)
ENTERED_CLASSTERM varchar2(512)
VALID_CLASSTERM varchar2(512)
INFRASPES_RANK number
INFRASPES_NAME varchar2(128)
SENSU_TERM varchar2(256)
MUSIT_BOTANIKK_FELLES.REFERENCE_DOCUMENT
DOCUMENT_ID number(22)
DOCUMENT_TYPE_ID number(22)
DOCUMENT_TEXT clob
DOCUMENT_TITLE varchar2(256)
DOCUMENT_FILE blob
DOCUMENT_REFERENCE varchar2(1024)
MUSIT_BOTANIKK_FELLES.EVENT_NOTE
EVENT_NOTE_ID number
EVENT_ID number(22)
NOTE_TYPE_ID number(22)
NOTE_ID number(22)
MUSIT_BOTANIKK_FELLES.LATIN_NAME_FUNGUS_GROUP
LATIN_NAME_ID number
GROUPNAME varchar2(32)
PLACE_ECOLOGY_PLACE
ECOLOGY_PLACE_ID
PLACE_ID
NIN_TYPE
KOORDINATE_PLACE_PLACE
KOORDINATE_PLACE_ID
PLACE_ID
LOCALITY_PLACE_ID
ROLE_ID
PARENT_ROLE
BIO_GEOGRAFISK_RE
OBJECT_ID
TYPE_ID
PARENT_OBJECT_ID
CHILD_OBJECT_ID
EVENT_FOR_OBJEKT
NOTE_ID
EVENT_TYPE
PERSON_NAME_TYPE
VAL_ID_PERSON_NAME
ACTOR_TYPE
PERSON_NAME_ID
TYPE_SPEC_ID
TAXON_ID
VAL_ID_LATIN_NAME_ID
PARENT_LATIN_NAME_ID
TAX_CATH_ID
COLLECTIONTYPE_ID
DATABASE_EVENT_TYPE_ID
LATIN_NAME_ID
PLACE_ID_PARTOF
TAXON_CATHEGORY_ID
RELATION_TYPE
SUB_COLLECTION_ID
CLASSTERM_ID
CLASSIFICATION_TYPE_ID
CLASS_TERM_ID
INFRASPES_RANK
DOCUMENT_TYPE_ID
DOCUMENT_ID
EVENT_NOTE_ID
NOTE_TYPE_ID
DbSchema Trial

Layout_001

Table MUSIT_BOTANIKK_FELLES.ACTOR		
* Pk	ACTOR_ID	number(22)
Idx	ACTOR_TYPE	number(22)
Idx	ACTORNAME	varchar2(512)
Idx	VALID_PERSON_NAME_ID	number(22)
Idx	GROUP_MEMBER_NAMES	varchar2(2056)
	BIRTHDATE	date
	DEATHDATE	date
	ADRESS	varchar2(128)
	POSTAL_ADDRESS	varchar2(128)
	EMAIL_ADDRESS	varchar2(128)
	PHONE_NUMBER	varchar2(128)
Idx	INSTITUTION	varchar2(128)
	GENDER	varchar2(1)
	URL	varchar2(512)
	URL_NOTE	varchar2(512)
	NOTE	varchar2(4000)
Indexes		
	I_ACTOR_ACTORNAME	ACTORNAME
	I_ACTOR_ACTORTYPE	ACTOR_TYPE
	I_ACTOR_GROUP_MEMBERS	GROUP_MEMBER_NAMES
	I_ACTOR_INSTITUTION	INSTITUTION
	I_ACTOR_VALID_PERSONNAME_ID	VALID_PERSON_NAME_ID
Pk	PK_ACTOR	ACTOR_ID
Foreign Keys		
	FK_ACTOR_PERSON_NAME (VALID_PERSON_NAME_ID) ref PERSON_NAME (PERSON_NAME_ID)	
	TYPES_ACTOR (ACTOR_TYPE) ref TYPES (TYPE_ID)	

Table MUSIT_BOTANIKK_FELLES.AUTHORSTRINGS		
* Pk	AUTHOR_ID	integer
Idx	AUTHORSTRING	varchar2(200)
Indexes		
	I_AUTORSTRENG	AUTHORSTRING
Pk	PK_AUTHORSTRINGS	AUTHOR_ID

Table MUSIT_NATHIST_FELLES.BIO_GEOGRAFISK_REGION			
Gamle fylker blir overført til bio-geografiske regioner og mappes til HP			
* Pk	BIO_GEO_REG_ID	integer	
Idx	BIO_GEO_REGION	varchar2(50)	
Indexes			
	INDX_BIO_GEO_REG	BIO_GEO_REGION	
Pk	PK_BIO_GEO_REGID	BIO_GEO_REG_ID	

Table MUSIT_BOTANIKK_FELLES.CLASSIFICATION_EVENT		
* Pk	EVENT_ID	number(22)
Idx	CLASSIFICATION_TYPE_ID	number(22)
Idx	CLASS_TERM_ID	number(22)
Idx	GENDER_CLASS_TERM_ID	number(22)
	DETNAME_ORIG	varchar2(1024)
	AGG_PERSONNAMES	varchar2(2048)
Indexes		
	I_CLASS_CLASSTERM	CLASS_TERM_ID

Table MUSIT_BOTANIKK_FELLES.CLASSIFICATION_EVENT		
	I_CLASS_CLASSTYPE	CLASSIFICATION_TYPE_ID
	I_CLASS_GENTERTERM	GENDER_CLASS_TERM_ID
Pk	PK_CLASS_EVENT	EVENT_ID
Foreign Keys		
	CLASSTERM_CLASSEVENT (CLASS_TERM_ID) ref CLASSIFICATION_TERM (CLASS_TERM_ID)	
	EVENT_CLASSIFICATION_EVENT (EVENT_ID) ref EVENT (EVENT_ID)	
	TYPES_CLASSIFICATION_EVENT (CLASSIFICATION_TYPE_ID) ref TYPES (TYPE_ID)	

Table MUSIT_BOTANIKK_FELLES.CLASSIFICATION_TERM		
* Pk	CLASS_TERM_ID	number(22)
Idx	CLASSTERM	varchar2(512)
Idx	ENTERED_CLASSTERM	varchar2(512)
Idx	VALID_CLASSTERM	varchar2(512)
Idx	INFRASPES_RANK	number
Idx	INFRASPES_NAME	varchar2(128)
	SENSU_TERM	varchar2(256)
Indexes		
	I_CLASSTERM_ENTERED	ENTERED_CLASSTERM
	I_CLASSTERM_INFRASPES_NAME	INFRASPES_NAME
	I_CLASSTERM_RANK	INFRASPES_RANK
	I_CLASSTERM_TERM	CLASSTERM
	I_CLASSTERM_VALID	VALID_CLASSTERM
Pk	PK_CLASS_TERM	CLASS_TERM_ID
Foreign Keys		
	FK_TAX_CATH_RANK (INFRASPES_RANK) ref TAXON_CATHEGORY (TAX_CATH_ID)	

Table MUSIT_BOTANIKK_FELLES.CLASSTERM_LATIN_NAME		
* Pk	CLASSTERM_LATINNAME_ID	number
* Idx	CLASSTERM_ID	number
* Idx	LATIN_NAME_ID	number
	PRECISION_CODE	varchar2(10)
Idx	TAXON_CATHEGORY_ID	number
Idx	RELATION_TYPE	number
Indexes		
	I_CLASSTERM_LATIN_CLASSTERM	CLASSTERM_ID
	I_CLASSTERM_LATIN_LATIN_ID	LATIN_NAME_ID
	I_CLASSTERM_LATIN_TAXKATH	TAXON_CATHEGORY_ID
	I_CLASSTERM_LATNAME_RELTYPE	RELATION_TYPE
Pk	PK_CLASSTERM_LATINNAME	CLASSTERM_LATINNAME_ID
Foreign Keys		
	FK_CLASSLATCLASSTERM (CLASSTERM_ID) ref CLASSIFICATION_TERM (CLASS_TERM_ID)	
	FK_CLASSLAT_LATINNAME (LATIN_NAME_ID) ref LATIN_NAMES (LATIN_NAME_ID)	
	FK_CLASSLATTAXCATH (TAXON_CATHEGORY_ID) ref TAXON_CATHEGORY (TAX_CATH_ID)	
	FK_CLASSLATRELTYOE (RELATION_TYPE) ref TYPES (TYPE_ID)	

Table MUSIT_BOTANIKK_FELLES.COLLECTING_EVENT		
* Pk	EVENT_ID	number(22)
Idx	COLLECTIONTYPE_ID	number(22)
	LEGNAME_ORIG	varchar2(1024)
	AGG_PERSONNAMES	varchar2(2048)
Indexes		
	I_COLLECENTTYPE	COLLECTIONTYPE_ID
Pk	PK_COLLECTION_EVENT	EVENT_ID

Table MUSIT_BOTANIKK_FELLES.COLLECTING_EVENT		
Foreign Keys		
	EVENT_COLLECTING_EVENT (EVENT_ID) ref EVENT (EVENT_ID)	
	TYPES_COLLECTING_EVENT (COLLECTIONTYPE_ID) ref TYPES (TYPE_ID)	

Table MUSIT_BOTANIKK_FELLES.DATABASE_EVENT		
* Pk	EVENT_ID	number(22)
Idx	DATABASE_EVENT_TYPE_ID	number(22)
* Idx	ORA_USERNAME	varchar2(32)
Indexes		
	I_DBEVENT_TYPE	DATABASE_EVENT_TYPE_ID
	I_DBEVENT_USERNAME	ORA_USERNAME
Pk	PK_DATABASE_EVENT	EVENT_ID
Foreign Keys		
	EVENT_DATABASE_EVENT (EVENT_ID) ref EVENT (EVENT_ID)	
	TYPES_DATABASE_EVENT (DATABASE_EVENT_TYPE_ID) ref TYPES (TYPE_ID)	

Table MUSIT_BOTANIKK_FELLES.DERIVED_COORDINATES		
* Pk	KOORDINATE_PLACE_ID	number
	DATUM	varchar2(32)
	ZONE	integer
	BAND	varchar2(1)
	NORTH_SOUTH	varchar2(1)
	UTM_X	number
	UTM_Y	number
	UTM33_X	number
	UTM33_Y	number
	LONGITUDE	number
	LATITUDE	number
	DERIVED_COORDINATES_TYPE	number
	UTM_X_WGS84	number
	UTM_Y_WGS84	number
	LAT_WGS84	number
	LONG_WGS84	number
Indexes		
Pk	PK_KOORDINATE_PLACE_ID	KOORDINATE_PLACE_ID
Foreign Keys		
	FK_KOORDINATE_PLACE_ID (KOORDINATE_PLACE_ID) ref KOORDINATE_PLACE (KOORDINATE_PLACE_ID)	
	FK_TYPES_DERIVED_COORDINATES (DERIVED_COORDINATES_TYPE) ref TYPES (TYPE_ID)	

Table MUSIT_BOTANIKK_FELLES.DOCUMENT_OBJECT		
* Pk	DOCUMENT_OBJECT_ID	number(22)
Idx	DOCUMENT_ID	number(22)
Idx	OBJECT_ID	number(22)
Idx	NOTE_ID	number
Idx	TYPE_ID	number
Indexes		
	I_DOCUMENT_OBJECT_DOC	DOCUMENT_ID
	I_DOCUMENT_OBJECT_OBJECT	OBJECT_ID
	I_DOK_NOTE	NOTE_ID
	I_DOK_TYPE	TYPE_ID
Pk	PK_DOCUMENT_OBJECT	DOCUMENT_OBJECT_ID
Foreign Keys		
	BO_DOC_CONNECTION (OBJECT_ID) ref MUSEUM_OBJECT (OBJECT_ID)	

Table MUSIT_BOTANIKK_FELLES.DOCUMENT_OBJECT		
	REFERENCE_DOC_OBJ_NOTE (NOTE_ID) ref NOTE (NOTE_ID)	
	REFERNCE_DOC_BIOOBJ_CONNECTION (DOCUMENT_ID) ref REFERENCE_DOCUMENT (DOCUMENT_ID)	
	REFERENCE_DOC_OBJ_TYPE (TYPE_ID) ref TYPES (TYPE_ID)	

Table MUSIT_BOTANIKK_FELLES.ECOLOGY_PLACE		
* Pk	ECOLOGY_PLACE_ID	number(22)
	NIN_TYPE	number(22)
Idx	ECOLOGY	varchar2(4000)
Indexes		
	I_ECOLOGY	ECOLOGY
Pk	PK_ECOLOGY	ECOLOGY_PLACE_ID
Foreign Keys		
	TYPES_ECOLOGY_PLACE (NIN_TYPE) ref TYPES (TYPE_ID)	

Table MUSIT_BOTANIKK_FELLES.EVENT		
* Pk	EVENT_ID	number(22)
Idx	EVENTNAME	varchar2(512)
Idx	TIMESPAN_ID	number(22)
Idx	EVENT_TYPE	number(22)
Indexes		
	I_EVENTNAME	EVENTNAME
	I_EVENT_EVENTTYPE	EVENT_TYPE
	I_EVENT_TIMESPAN	TIMESPAN_ID
Pk	PK_EVENT	EVENT_ID
Foreign Keys		
	TIMESPAN_EVENT (TIMESPAN_ID) ref TIMESPAN (TIMESPAN_ID)	
	TYPES_EVENT (EVENT_TYPE) ref TYPES (TYPE_ID)	

Table MUSIT_BOTANIKK_FELLES.EVENT_DOCUMENT		
* Pk	EVENT_DOCUMENT_ID	number(22)
Idx	EVENT_ID	number(22)
Idx	DOCUMENT_ID	number(22)
Idx	NOTE_ID	number
Idx	TYPE_ID	number
Indexes		
	I_EVENT_DOK_EVENT	EVENT_ID
	I_EVENT_DOK_NOTE	NOTE_ID
	I_EVENT_DOK_REFDOC	DOCUMENT_ID
	I_EVENT_DOK_TYPES	TYPE_ID
Pk	PK_EVENT_DOCUMENT	EVENT_DOCUMENT_ID
Foreign Keys		
	EVENT_EVENT_DOCUMENT (EVENT_ID) ref EVENT (EVENT_ID)	
	FK_EVENT_DOC_NOTE_ID (NOTE_ID) ref NOTE (NOTE_ID)	
	DOC_EVENT (DOCUMENT_ID) ref REFERENCE_DOCUMENT (DOCUMENT_ID)	
	FK_EVENT_DOC_TYPE_ID (TYPE_ID) ref TYPES (TYPE_ID)	

Table MUSIT_BOTANIKK_FELLES.EVENT_MUSEUM_OBJECT		
* Pk	EVENT_MUSEUM_OBJECT_ID	number
Idx	EVENT_ID	number(22)
Idx	OBJECT_ID	number(22)
Idx	SEQUENCE_NUMBER	number(22)
Idx	PREV_EVENT_FOR_OBJEKT	number(22)
Indexes		

Table MUSIT_BOTANIKK_FELLES.EVENT_MUSEUM_OBJECT		
	I_EVENT_MUSEUM_OBJECT_SEQ	SEQUENCE_NUMBER
	I_EVENT_OBJECT_EVENT_ID	EVENT_ID
	I_EVENT_OBJECT_OBJECT	OBJECT_ID
	I_EVENT_OBJECT_PREV	PREV_EVENT_FOR_OBJEKT
Pk	PK_EVENT_MUSEUM_OBJECT	EVENT_MUSEUM_OBJECT_ID
Foreign Keys		
	EVENT_EVENT_MUSEUM_OBJECT (EVENT_ID) ref EVENT (EVENT_ID)	
	PREVEVENT_EVENTMUS (PREV_EVENT_FOR_OBJEKT) ref EVENT (EVENT_ID)	
	MUS_OBJ__EVENT_MUSOBJ_REL (OBJECT_ID) ref MUSEUM_OBJECT (OBJECT_ID)	

Table MUSIT_BOTANIKK_FELLES.EVENT_NOTE		
* Pk	EVENT_NOTE_ID	number
Idx	EVENT_ID	number(22)
Idx	NOTE_TYPE_ID	number(22)
Idx	NOTE_ID	number(22)
Indexes		
	I_EVENTNOTE_EVENT_ID	EVENT_ID
	I_EVENTNOTE_NOTE_ID	NOTE_ID
	I_EVENTNOTE_TYPE	NOTE_TYPE_ID
Pk	PK_EVENT_NOTE	EVENT_NOTE_ID
Foreign Keys		
	EVENT_EVENT_NOTE (EVENT_ID) ref EVENT (EVENT_ID)	
	NOTE_EVENT_NOTE (NOTE_ID) ref NOTE (NOTE_ID)	
	TYPES_EVENT_NOTE (NOTE_TYPE_ID) ref TYPES (TYPE_ID)	

Table MUSIT_BOTANIKK_FELLES.EVENT_ROLE_PERSON_NAME		
* Pk	EVENT_PERSON_NAME_ROLE_ID	number
* Idx	EVENT_ID	number(22)
* Idx	ROLE_ID	number(22)
* Idx	PERSON_NAME_ID	number(22)
	SORTING_SEQUENCE	integer
Indexes		
	I_ERPN_EVENT_ID	EVENT_ID
	I_ERPN_PERSON_NAME_ID	PERSON_NAME_ID
	I_ERPN_ROLE_ID	ROLE_ID
Pk	PK_EVENT_ROLE_PERSON_NAME	EVENT_PERSON_NAME_ROLE_ID
Foreign Keys		
	FK_EVENT_ROLE_PN_EVENT (EVENT_ID) ref EVENT (EVENT_ID)	
	FK_EVENT_ROLE_PN_PERSON (PERSON_NAME_ID) ref PERSON_NAME (PERSON_NAME_ID)	

Table MUSIT_NATHIST_FELLES.HIERARCHICAL_PLACE			
* Pk	HIERARCH_PLACE_ID	number(22)	
Idx	HIERACHICAL_TYPE	number(22)	
Idx	PLACE_ID_PARTOF	number(22)	
Idx	HIERACHICAL_PLACENAME	varchar2(128)	
	KOORDINATE_PLACE_ID	number(22)	
	OLD_PLACE_ID_PARTOF	integer	ved splitting av kommuen og fylke. f.eks mister vi link til Sør-trøndelag hvis en kommune skal ført inn i ny kommune og så til trøndelag
Indexes			
	I_HP_NAME	HIERACHICAL_PLACENAME	
	I_HP_PARTOF	PLACE_ID_PARTOF	
	I_HP_TYPE	HIERACHICAL_TYPE	
Pk	PK_HIERACHICAL_PLACE	HIERARCH_PLACE_ID	

Table MUSIT_NATHIST_FELLES.HIERARCHICAL_PLACE

Foreign Keys		
	FK_HIERARCHICAL_PLACE_PARENT (PLACE_ID_PARTOF) ref HIERARCHICAL_PLACE (HIERARCH_PLACE_ID)	

Table MUSIT_BOTANIKK_FELLES.KOORDINATE_PLACE

* Pk	KOORDINATE_PLACE_ID	number(22)
Idx	COORDINATE_TYPE	number(22)
Idx	COORDINATE_STRING	varchar2(512)
Idx	ZONE	number(22)
Idx	BELT	varchar2(5)
Idx	DATUM	varchar2(40)
	LONGITUDE_H	number
	LATITUDE_L	number
Idx	ALTITUDE_STRING	varchar2(40)
	ALTITUDE_UNIT	varchar2(10)
	CA_UTM	varchar2(1)
	CA_ALTITUDE	varchar2(1)
Idx	UTM_SENERE	varchar2(1)
	MGRS_L	varchar2(15)
	MGRS_H	varchar2(15)
	LONGITUDE_L	number
	LATITUDE_H	number
	ALT_L	number
	ALT_H	number
	DEPTH_STRING	varchar2(40)
	DEPTH_L	number(22)
	DEPTH_H	number(22)
	MAP_SHEET	varchar2(40)
	ALTITUDE_OF_DEPTH_REFERENCE	number
	PRECISION	number
	ACCURACY	number
	SHAPEFILE	blob
	LAT_DIRECTION	varchar2(1)
	LONG_DIRECTION	varchar2(1)
	UTM_X	number
	UTM_Y	number
	UTM33_X	number
	UTM33_Y	number
	UTM_X_H	number
	UTM_Y_H	number
	UTM33_X_H	number
	UTM33_Y_H	number
	COORDINATE_SOURCE_ID	number
	CA_DEPTH	varchar2(1)
	COORD_EXPECTED_OUTPUT_ECHO	varchar2(1000)
	COORDINATE_STRING_ACTUAL	varchar2(512)
	ALTITUDE_EXPECTED_OUTPUT_ECHO	varchar2(1000)
	DEPTH_EXPECTED_OUTPUT_ECHO	varchar2(1000)
	DEPTH_UNIT	varchar2(10)
	ALTITUDE_SOURCE_ID	number
Indexes		
	I_ALTSTRING	ALTITUDE_STRING
	I_COORDPLACE_BELT	BELT
	I_COORDPLACE_COORDSTRING	COORDINATE_STRING
	I_COORDPLACE_COORDTYPE	COORDINATE_TYPE

Table MUSIT_BOTANIKK_FELLES.KOORDINATE_PLACE		
	I_COORDPLACE_DATUM	DATUM
	I_COORDPLACE_LATER	UTM_SENERE
	I_COORDPLACE_ZONE	ZONE
Pk	PK_KOORDINATE_PLACE	KOORDINATE_PLACE_ID
Foreign Keys		
	FK_KOORD_PLACE_ALTI_SOURCE (ALTITUDE_SOURCE_ID) ref TYPES (TYPE_ID)	
	FK_KOORD_PLACE_COORD_SOURCE (COORDINATE_SOURCE_ID) ref TYPES (TYPE_ID)	
	TYPES_KOORDINATE_PLACE (COORDINATE_TYPE) ref TYPES (TYPE_ID)	

Table MUSIT_BOTANIKK_FELLES.KOORDINATE_PLACE_PLACE		
* Pk	KOORDINATEPLACE_PLACE_ID	number
Idx	KOORDINATE_PLACE_ID	number(22)
Idx	PLACE_ID	number(22)
Indexes		
	I_KOORD_PLACE_PLACE_KOORD_ID	KOORDINATE_PLACE_ID
	I_KOORD_PLACE_PLACE_PLACE_ID	PLACE_ID
Pk	PK_KOORDINATE_PLACE_PLACE	KOORDINATEPLACE_PLACE_ID
Foreign Keys		
	KOORD_PLACE_KOORD_PLACE_PLACE (KOORDINATE_PLACE_ID) ref KOORDINATE_PLACE (KOORDINATE_PLACE_ID)	
	PLACE_KOORDINATE_PLACE_PLACE (PLACE_ID) ref PLACE (PLACE_ID)	

Table MUSIT_BOTANIKK_FELLES.LATIN_NAMES		
* Pk	LATIN_NAME_ID	integer
Idx	TYPE_SPEC_ID	integer
Idx	LATIN_NAME	varchar2(150)
Idx	PARENT_LATIN_NAME_ID	integer
Idx	ADB_LATIN_NAME_ID	integer
	NHM_TAXON_ID	integer
	TAX_CATH_ID	integer
Idx	AUTHOR_ID	integer
	IS_VALID	varchar2(1)
Idx	FULL_NAME	varchar2(250)
Idx	FULL_NAME_AUTHOR	varchar2(250)
Idx	DATE_LAST_CHANGED	date
	ORGANISME_GRUPPE	varchar2(16)
Idx	CONCEPT_CHANGED_DATE	date
Indexes		
	I_ADB_LATIN_NAME	ADB_LATIN_NAME_ID
	I_AUTOR_ID	AUTHOR_ID
	I_CONCEPT_LAST_CHANGED	CONCEPT_CHANGED_DATE
	I_FULL_NAME	FULL_NAME
	I_FULL_NAME_AUTOR	FULL_NAME_AUTHOR
	I_LAST_CHANGED	DATE_LAST_CHANGED
	I_LATIN_NAME	LATIN_NAME
	I_PARENT_TAXON_NAME	PARENT_LATIN_NAME_ID
	I_TYPE_SPEC_ID	TYPE_SPEC_ID
Pk	PK_LATIN_NAMES	LATIN_NAME_ID
Foreign Keys		
	AUTHORSTRINGS_LATIN_NAMES (AUTHOR_ID) ref AUTHORSTRINGS (AUTHOR_ID)	
	LATIN_NAMES_PARENT_NAME (PARENT_LATIN_NAME_ID) ref LATIN_NAMES (LATIN_NAME_ID)	
	TAXON_CATHEGORY_LATIN_NAMES (TAX_CATH_ID) ref TAXON_CATHEGORY (TAX_CATH_ID)	
	TYPE_SPECIMEN_LATIN_NAMES (TYPE_SPEC_ID) ref TYPE_SPECIMEN (TYPE_SPEC_ID)	

Table MUSIT_BOTANIKK_FELLES.LATIN_NAME_ATTRIBUTES		
* Pk	LATIN_NAME_ID	number
Idx	GENUS	varchar2(100)
Idx	GENUS_AUTHOR	varchar2(100)
Idx	SPECIES	varchar2(100)
Idx	SPECIES_AUTHOR	varchar2(100)
	SUBSPECIES	varchar2(100)
	VARIETY	varchar2(100)
	FORMA	varchar2(100)
	INFRASPESIFIC_AUTHOR	varchar2(100)
Indexes		
	I_GENUS	GENUS
	I_GENUS_AUTHOR	GENUS_AUTHOR
	I_SPECIES	SPECIES
	I_SPECIES_AUTHOR	SPECIES_AUTHOR
Pk	PK_LATIN_NAME_ATTR	LATIN_NAME_ID
Foreign Keys		
	FK_LATIN_NAME_ID (LATIN_NAME_ID) ref LATIN_NAMES (LATIN_NAME_ID)	

Table MUSIT_BOTANIKK_FELLES.LATIN_NAME_FUNGUS_GROUP		
* Pk	LATIN_NAME_ID	number
	GROUPNAME	varchar2(32)
Indexes		
Pk	PK_LATINNAME_GROUP	LATIN_NAME_ID
Foreign Keys		
	FK_LATIN_NAME_GROUP_LATIN_NAME (LATIN_NAME_ID) ref LATIN_NAMES (LATIN_NAME_ID)	

Table MUSIT_BOTANIKK_FELLES.LOCALITY_PLACE		
* Pk	LOCALITY_PLACE_ID	number(22)
Idx	LOCALITY	varchar2(4000)
Indexes		
	I_LOCALITY	LOCALITY
Pk	PK_LOCALITY	LOCALITY_PLACE_ID

Table MUSIT_BOTANIKK_FELLES.MUSEUM_OBJECT		
* Pk	OBJECT_ID	number(22)
Idx	MUSEUM_OBJECT_TYPE	number(22)
Idx	IDENTIFIER_NUM	number(22)
Idx	IDENTIFIER_STRING	varchar2(64)
Idx	LONG_NAME	varchar2(512)
Idx	PARENT_OBJECT_ID	number
	LAST_EDITED	date
	LAST_EDIT_BY	varchar2(30)
	MEDIAGRUPPE_ENHETS_ID	number
Idx	SUB_NUMBER	number
Idx	SUB_COLLECTION_ID	number
Indexes		
	I_BIOLOGICAL_OBJECT_TYPE	MUSEUM_OBJECT_TYPE
	I_MUSOBJECT_PARENT	PARENT_OBJECT_ID
	I_MUSOBJ_LONG_NAME	LONG_NAME
	I_OBJEKT_ID_NUM	IDENTIFIER_NUM
	I_OBJEKT_ID_STRING	IDENTIFIER_STRING
	I_SUB_COLLECTION_ID	SUB_COLLECTION_ID
	I_SUB_NUMBER	SUB_NUMBER

Table MUSIT_BOTANIKK_FELLES.MUSEUM_OBJECT		
Pk	PK_MUSEUMOBJECT	OBJECT_ID
Foreign Keys		
	FK_MUSOBJECT_PARENT (PARENT_OBJECT_ID) ref MUSEUM_OBJECT (OBJECT_ID)	
	FK_SUB_COLLECTION (SUB_COLLECTION_ID) ref MUSEUM_OBJECT (OBJECT_ID)	
	TYPES_MUSEUM_OBJECT (MUSEUM_OBJECT_TYPE) ref TYPES (TYPE_ID)	

Table MUSIT_BOTANIKK_FELLES.MUSEUM_OBJECT_LEGNR_PERSON		
* Pk	OBJECT_LEGNR_PERSON_ID	number
Idx	OBJECT_ID	number(22)
Idx	ACTOR_ID	number(22)
Idx	LEGNR	varchar2(64)
Indexes		
	I_MUS_LEGNR_ACTOR_OBJ_ACT	ACTOR_ID
	I_MUS_LEGNR_ACTOR_OBJ_OBJ	OBJECT_ID
	I_MUS_LEGNR_LEG_OBJECT_LEGNR	LEGNR
Pk	PK_MUS_LEGNR_OBJECT	OBJECT_LEGNR_PERSON_ID
Foreign Keys		
	FK_MUS_LEGNR_LEG_ACTOR (ACTOR_ID) ref ACTOR (ACTOR_ID)	
	FK_MUS_LEGNR_LEG_OBJECT (OBJECT_ID) ref MUSEUM_OBJECT (OBJECT_ID)	

Table MUSIT_BOTANIKK_FELLES.MUSEUM_OBJECT_NOTE		
* Pk	MUSEUM_OBJECT_NOTE_ID	number
Unq	OBJECT_ID	number(22)
Unq	NOTE_ID	number(22)
Unq	TYPE_ID	number(22)
Indexes		
	I_MUS_OBJ_NOTE_NOTE	NOTE_ID
	I_MUS_OBJ_NOTE_OBJ	OBJECT_ID
	I_MUS_OBJ_NOTE_TYPE	TYPE_ID
Pk	PK_MUSEUM_OBJECT_NOTE	MUSEUM_OBJECT_NOTE_ID
Unq	UNIQUE_OBJECT_NOTE_TYPE	TYPE_ID, NOTE_ID, OBJECT_ID
Foreign Keys		
	MUS_OBJ_NOTE (OBJECT_ID) ref MUSEUM_OBJECT (OBJECT_ID)	
	NOTE_MUSEUM_OBJECT_NOTE (NOTE_ID) ref NOTE (NOTE_ID)	
	TYPES_MUSEUM_OBJECT_NOTE (TYPE_ID) ref TYPES (TYPE_ID)	

Table MUSIT_BOTANIKK_FELLES.NOTE		
* Pk	NOTE_ID	number(22)
Idx	NOTE_TEXT	varchar2(4000)
	LONG_NOTE	clob
Indexes		
	I_UPPER_NOTETEXT	NOTE_TEXT
Pk	PK_NOTE	NOTE_ID

Table MUSIT_BOTANIKK_FELLES.OBJECT_ATTRIBUTES		
* Pk	OBJECT_ID	number
Idx	REG_DATE	date
Idx	LAST_MODIFIED	date
Idx	NUMBER_OF_SHEETS	number
	KORR_DATE	date
	APPROVED_DATE	date
	LAST_MODIFIED_BY	varchar2(32)
Idx	REG_USER	varchar2(32)

Table MUSIT_BOTANIKK_FELLES.OBJECT_ATTRIBUTES		
	KORR_USER	varchar2(32)
	APPROVE_USER	varchar2(32)
Idx	IS_REG	varchar2(1)
Idx	IS_CORRECTED	varchar2(1)
Idx	IS_APPROVED	varchar2(1)
Idx	DATASET	varchar2(512)
Idx	PROJECT_NAME	varchar2(512)
Idx	DUBLETTES	varchar2(512)
Idx	SAME_SHEET_AS	varchar2(1024)
Idx	EX_HERB	varchar2(1024)
Idx	VOUCHER	varchar2(1024)
Idx	ARTSOBS_NR	number
Idx	OBJECT_WITHHELD	varchar2(1)
Idx	OBJECT_STATE	varchar2(256)
	UUID	varchar2(4000)
	ANALYSIS_REQUEST	varchar2(4000)
Indexes		
	I_ARTOBS_NUMBER	ARTSOBS_NR
	I_DATASET	DATASET
	I_DUBLETTES	DUBLETTES
	I_EXHERB	EX_HERB
	I_ISAPPROVED	IS_APPROVED
	I_ISCORR	IS_CORRECTED
	I_ISREG	IS_REG
	I_OA_LAST_MOD_DATE	LAST_MODIFIED
	I_OA_NUM_SHEETS	NUMBER_OF_SHEETS
	I_OA_REGDATE	REG_DATE
	I_OA_REG_BY	REG_USER
	I_OBJECT_STATE	OBJECT_STATE
	I_OBJECT_WITHHELD	OBJECT_WITHHELD
	I_PROJECT_NAME	PROJECT_NAME
	I_SAME_SHEET_AS	SAME_SHEET_AS
	I_VOUCHER	VOUCHER
Pk	PK_OBJECT_ATTRIBUTES	OBJECT_ID
Foreign Keys		
	FK_OBJ_ATTRS_OBJECT (OBJECT_ID) ref MUSEUM_OBJECT (OBJECT_ID)	

Table MUSIT_BOTANIKK_FELLES.OBJECT_HIERARCHY		
* Pk	OBJECT_HIERARCHY_ID	number
Idx	PARENT_OBJECT_ID	number(22)
Idx	CHILD_OBJECT_ID	number(22)
Idx	TYPE_ID	number(22)
Indexes		
	I_OBJECT_HIEARCHY_CHILD	CHILD_OBJECT_ID
	I_OBJECT_HIEARCHY_PARENT	PARENT_OBJECT_ID
	I_OBJECT_HIEARCHY_TYPE	TYPE_ID
Pk	PK_OBJECT_HIERARCHY	OBJECT_HIERARCHY_ID
Foreign Keys		
	BIOOBJ_SUBOBJ (CHILD_OBJECT_ID) ref MUSEUM_OBJECT (OBJECT_ID)	
	BIOOBJ_SUBOBJ2 (PARENT_OBJECT_ID) ref MUSEUM_OBJECT (OBJECT_ID)	
	TYPES_OBJECT_HIERARCHY (TYPE_ID) ref TYPES (TYPE_ID)	

Table MUSIT_BOTANIKK_FELLES.PERSON_NAME		
* Pk	PERSON_NAME_ID	number(22)

Table MUSIT_BOTANIKK_FELLES.PERSON_NAME		
Idx	ACTOR_ID	number(22)
Idx	PERSON_SURNAME	varchar2(64)
	PERSON_MIDDLE_NAME	varchar2(64)
Idx	PERSON_GIVEN_NAME	varchar2(64)
	TITLE	varchar2(64)
Idx	PERSON_NAME_TYPE	number
Indexes		
	I_PERSONNAME_ACTOR_ID	ACTOR_ID
	I_PERSONNAME_GIVENNAME	PERSON_GIVEN_NAME
	I_PERSONNAME_PERSONNAME_TYPE	PERSON_NAME_TYPE
	I_PERSONNAME_SURNAME	PERSON_SURNAME
Pk	PK_PERSONNAME	PERSON_NAME_ID
Foreign Keys		
	ACTOR_PERSON_NAME (ACTOR_ID) ref ACTOR (ACTOR_ID)	
	FK_PERSONNAME_TYPE (PERSON_NAME_TYPE) ref TYPES (TYPE_ID)	

Table MUSIT_BOTANIKK_FELLES.PLACE		
* Pk	PLACE_ID	number(22)
Idx	PLACE_NAME_AGG	varchar2(4000)
Indexes		
	I_PLACE_PLACENAME	PLACE_NAME_AGG
Pk	PL_PLACE	PLACE_ID

Table MUSIT_BOTANIKK_FELLES.PLACE_BIO_GEOGRAFISK_REGION			
tabell som knytter hvert sted til en bio-geografisk region (som er de gamle fylkene)			
* Pk	PLACE_ID	integer	
* Pk	BIO_GEOGRAFISK_REGION_ID	integer	
Indexes			
Pk	PK_PLACEID_BIOGEOREGID	PLACE_ID, BIO_GEOGRAFISK_REGION_ID	
Foreign Keys			
	FK_PLACE_BIO_GEO_PLACEID (PLACE_ID) ref PLACE (PLACE_ID)		
	FK_PLACE_BIO_GEO_REGID (BIO_GEOGRAFISK_REGION_ID) ref BIO_GEOGRAFISK_REGION (BIO_GEO_REG_ID)		

Table MUSIT_BOTANIKK_FELLES.PLACE_ECOLOGY_PLACE		
* Pk	PLACE_ECOLOGY_ID	number
Unq	PLACE_ID	number(22)
Unq	ECOLOGY_PLACE_ID	number(22)
Indexes		
	I_PLACE_ECOL_ECOLPLACE_ID	ECOLOGY_PLACE_ID
	I_PLACE_ECOL_PLACE_ID	PLACE_ID
Pk	PK_PLACE_ECOLOGY_PLACE	PLACE_ECOLOGY_ID
Unq	TUC_PLACE_ECOLOGY_PLACE_1	PLACE_ID, ECOLOGY_PLACE_ID
Foreign Keys		
	ECOL_PLACE_PLACE_ECOL_PLACE (ECOLOGY_PLACE_ID) ref ECOLOGY_PLACE (ECOLOGY_PLACE_ID)	
	PLACE_PLACE_ECOLOGY_PLACE (PLACE_ID) ref PLACE (PLACE_ID)	

Table MUSIT_BOTANIKK_FELLES.PLACE_EVENT_ROLE		
* Pk	PLACE_EVENT_ROLE_ID	number
Idx	PLACE_ID	number(22)

Table MUSIT_BOTANIKK_FELLES.PLACE_EVENT_ROLE		
Idx	EVENT_ID	number(22)
Idx	ROLE_ID	number(22)
Indexes		
	I_PLACE_EVENT_ROLE_EVENT_ID	EVENT_ID
	I_PLACE_EVENT_ROLE_PLACE_ID	PLACE_ID
	I_PLACE_EVENT_ROLE_ROLE_ID	ROLE_ID
Pk	PK_PLACE_EVENT_ROLE	PLACE_EVENT_ROLE_ID
Foreign Keys		
	EVENT_PLACE_EVENT_ROLE (EVENT_ID) ref EVENT (EVENT_ID)	
	PLACE_PLACE_EVENT_ROLE (PLACE_ID) ref PLACE (PLACE_ID)	
	ROLES_PLACE_EVENT_ROLE (ROLE_ID) ref ROLES (ROLE_ID)	

Table MUSIT_BOTANIKK_FELLES.PLACE_HIERACHICAL_PLACE		
* Pk	PLACE_HIERACHICAL_ID	number(22)
Idx	PLACE_ID	number(22)
Idx	HIERACHICAL_PLACE_ID	number(22)
*	SEQUENCE_NUMBER	number
Indexes		
	I_PLACE_HP_HP	HIERACHICAL_PLACE_ID
	I_PLACE_HP_PLACE	PLACE_ID
Pk	PK_PLACE_HIERACHICAL_PLACE	PLACE_HIERACHICAL_ID
Foreign Keys		
	FK_PLACE_HP_PLACE (PLACE_ID) ref PLACE (PLACE_ID)	
	FK_PLACE_HP_HP (HIERACHICAL_PLACE_ID) ref HIERARCHICAL_PLACE (HIERARCH_PLACE_ID)	

Table MUSIT_BOTANIKK_FELLES.PLACE_LOCALITY_PLACE		
* Pk	PLACE_LOCPLACE_ID	varchar2(40)
Unq	PLACE_ID	number(22)
Unq	LOCALITY_PLACE_ID	number(22)
Indexes		
	I_PLACELOCPLACE_LOCPL_ID	LOCALITY_PLACE_ID
Pk	PK_PLACE_LOCALITY_PLACE	PLACE_LOCPLACE_ID
Unq	TUC_PLACE_LOCALITY_PLACE_1	PLACE_ID, LOCALITY_PLACE_ID
Foreign Keys		
	LOC_PLACE_PLACE_LOC_PLACE (LOCALITY_PLACE_ID) ref LOCALITY_PLACE (LOCALITY_PLACE_ID)	
	PLACE_PLACE_LOCALITY_PLACE (PLACE_ID) ref PLACE (PLACE_ID)	

Table MUSIT_BOTANIKK_FELLES.PLACE_REVISION		
* Pk	EVENT_ID	number(22)
Idx	OLD_KOORDINATE_PLACE	number(22)
Idx	NEW_KOORDINATE_PLACE	number(22)
Idx	PLACE_REVISION_TYPE	number
Indexes		
	I_NEW_KOORDPLACE	NEW_KOORDINATE_PLACE
	I_OLD_KOORDPLACE	OLD_KOORDINATE_PLACE
	I_PLACE_REV_TYPE	PLACE_REVISION_TYPE
Pk	PK_PLACE_REVISION	EVENT_ID
Foreign Keys		
	EVENT_PLACE_REVISION (EVENT_ID) ref EVENT (EVENT_ID)	
	KOORDPL_PLACEREV (OLD_KOORDINATE_PLACE) ref KOORDINATE_PLACE (KOORDINATE_PLACE_ID)	
	KOORD_PL_PLACEREV (NEW_KOORDINATE_PLACE) ref KOORDINATE_PLACE (KOORDINATE_PLACE_ID)	
	FK_PLACE_REV_TYPE (PLACE_REVISION_TYPE) ref TYPES (TYPE_ID)	

Table MUSIT_BOTANIKK_FELLES.REFERENCE_DOCUMENT		
* Pk	DOCUMENT_ID	number(22)
Idx	DOCUMENT_TYPE_ID	number(22)
	DOCUMENT_TEXT	clob
Idx	DOCUMENT_TITLE	varchar2(256)
	DOCUMENT_FILE	blob
	DOCUMENT_REFERENCE	varchar2(1024)
Indexes		
	I_DOCUMENT_DOCTITLE	DOCUMENT_TITLE
	I_DOCUMENT_DOCTYPE	DOCUMENT_TYPE_ID
Pk	PK_DOCUMENT	DOCUMENT_ID
Foreign Keys		
	TYPES_REFERENCE_DOCUMENT (DOCUMENT_TYPE_ID) ref TYPES (TYPE_ID)	

Table MUSIT_BOTANIKK_FELLES.ROLES		
* Pk	ROLE_ID	number(22)
Idx	ROLETERM	varchar2(64)
	DESCRIPTION	varchar2(128)
Idx	PARENT_ROLE	number(22)
Indexes		
	I_PARENT_ROLE	PARENT_ROLE
	I_ROLETERM	ROLETERM
Pk	PK_ROLES	ROLE_ID
Foreign Keys		
	ROLES_ROLES (PARENT_ROLE) ref ROLES (ROLE_ID)	

Table MUSIT_BOTANIKK_FELLES.TAXON		
* Pk	TAXON_ID	integer
Idx	VALID_LATIN_NAME_ID	integer
Idx	ADB_TAXON_ID	integer
Indexes		
	I_ADB_LATNAVN	ADB_TAXON_ID
	I_VALID_LATIN_NAME	VALID_LATIN_NAME_ID
Pk	PK_TAXON	TAXON_ID
Foreign Keys		
	LATIN_NAMES_TAXON (VALID_LATIN_NAME_ID) ref LATIN_NAMES (LATIN_NAME_ID)	

Table MUSIT_BOTANIKK_FELLES.TAXON_CATHEGORY		
* Pk	TAX_CATH_ID	integer
Idx	TAX_CATH_CODE	varchar2(3)
	TAX_CATH_NAME	varchar2(40)
	TAX_CATH_ABBREV	varchar2(10)
	ADB_KATEGORINAVN	varchar2(40)
Indexes		
	I_TAXON_CATH_CODE	TAX_CATH_CODE
Pk	PK_TAXON_CATH	TAX_CATH_ID

Table MUSIT_BOTANIKK_FELLES.TIMESPAN		
* Pk	TIMESPAN_ID	number(22)
Idx	FROM_DATE	date
Idx	TO_DATE	date
Idx	TIME_AS_TEXT	varchar2(128)
Idx	UNCERTAIN	varchar2(5)
Idx	INTERPRETED	varchar2(5)

Table MUSIT_BOTANIKK_FELLES.TIMESPAN		
Indexes		
	I_TIMESPAN_FROMDATE	FROM_DATE
	I_TIMESPAN_INTERPRET	INTERPRETED
	I_TIMESPAN_PERIOD	TIME_AS_TEXT
	I_TIMESPAN_TODATE	TO_DATE
	I_TIMESPAN_UNCERT	UNCERTAIN
Pk	PK_TIMESPAN	TIMESPAN_ID

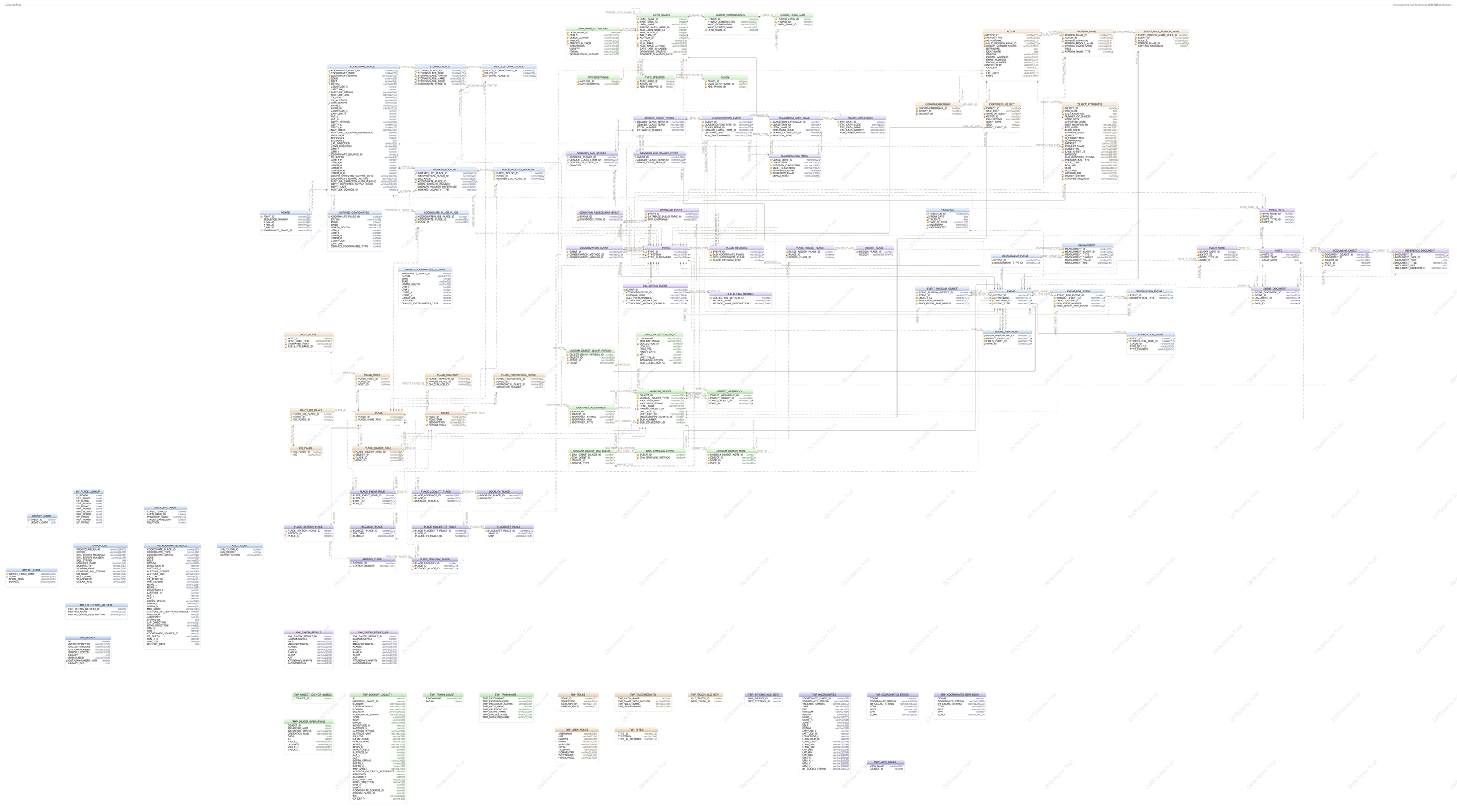
Table MUSIT_BOTANIKK_FELLES.TYPES		
* Pk	TYPE_ID	number(22)
Idx	TYPETERM	varchar2(64)
Idx	TYPE_ID_BROADER	number(22)
Indexes		
	I_TYPETERM_BROADER	TYPE_ID_BROADER
	I_TYPE_TYPETERM	TYPETERM
Pk	PK_TYPES	TYPE_ID
Foreign Keys		
	TYPES_TYPES (TYPE_ID_BROADER) ref TYPES (TYPE_ID)	

Table MUSIT_BOTANIKK_FELLES.TYPE_SPECIMEN		
* Pk	TYPE_SPEC_ID	integer
Idx	TAXON_ID	integer
Idx	ADB_TYPESPEC_ID	integer
Indexes		
	I_ADB_TYPESPEC_ID	ADB_TYPESPEC_ID
	I_TYPESPEC_TAXON	TAXON_ID
Pk	PK_TYPE_SPECIMEN	TYPE_SPEC_ID
Foreign Keys		
	TAXON_TYPE_SPECIMEN (TAXON_ID) ref TAXON (TAXON_ID)	

Table MUSIT_BOTANIKK_FELLES.TYPIFICATION_EVENT		
* Pk	EVENT_ID	number(22)
	TYPIFICATION_TYPE_ID	number(22)
	TAXON_ID	varchar2(40)
	TYPE_STATUS	varchar2(40)
Indexes		
Pk	PK_TYPIFICATION_EVENT	EVENT_ID
Foreign Keys		
	EVENT_TYPIFICATION_EVENT (EVENT_ID) ref EVENT (EVENT_ID)	
	TYPES_TYPIFICATION_EVENT (TYPIFICATION_TYPE_ID) ref TYPES (TYPE_ID)	

View MUSIT_BOTANIKK_FELLES.HIERARCHICAL_PLACE

```
CREATE VIEW ${schema}.${name} AS select
"HIERARCH_PLACE_ID","HIERACHICAL_TYPE","PLACE_ID_PARTOF","HIERACHICAL_PLACENAME","KOORDINATE_PLACE_ID",
old_place_id_partof
 from musit_nathist_felles.hierarchical_place
```


LATIN_NAMES
HYBRID_COMBINATIONS
HYBRID_LATIN_NAME
LATIN_NAME_ATTRIBUTES
ACTOR
PERSON_NAME
EVENT_ROLE_PERSON_NAME
KOORDINATE_PLACE
STORING_PLACE
PLACE_STORING_PLACE
AUTHORSTRINGS
TYPE_SPECIMEN
TAXON
GROUPMEMBERSHIP
IDENTIFIERS_OBJECT
OBJECT_ATTRIBUTES
GENDER_STAGE_TERMS
CLASSIFICATION_EVENT
CLASSTERM_LATIN_NAME
TAXON_CATEGORY
GENDERS_AND_STAGES
GENDERS_AND_STAGES_EVENT
CLASSIFICATION_TERM
INDEXED_LOCALITY
PLACE_INDEXED_LOCALITY
POINTS
DERIVED_COORDINATES
KOORDINATE_PLACE_PLACE
CONDITION_ASSESSMENT_EVENT
DATABASE_EVENT
TIMESPAN
TYPES_NOTE
CONSERVATION_EVENT
TYPES
PLACE_REVISION
PLACE_REGION_PLACE
REGION_PLACE
MEASUREMENT_EVENT
MEASUREMENT
EVENT_NOTE
NOTE
DOCUMENT_OBJECT
REFERENCE_DOCUMENT
DERIVED_COORDINATES_12_APPR.
COLLECTING_EVENT
COLLECTING_METHOD
EVENT_MUSEUM_OBJECT
EVENT
EVENT_FOR_EVENT
OBSERVATION_EVENT
EVENT_DOCUMENT
HOST_PLACE
USER_COLLECTION_SEQS
MUSEUM_OBJECT_LEGAR_PERSON
EVENT_HIERARCHY
TIFFICATION_EVENT
PLACE_HOST
PLACE_HIERARCHY
PLACE_HIERACHICAL_PLACE
MUSEUM_OBJECT
OBJECT_HIERARCHY
PLACE_ESS_PLACE
PLACE
ROLES
IDENTIFIER_ASSIGNMENT
ESS_PLACE
PLACE_OBJECT_ROLE
MUSEUM_OBJECT_DNA_EVENT
DNA_SAMPLING_EVENT
MUSEUM_OBJECT_NOTE
MV_PLACE_LOOKUP
PLACE_EVENT_ROLE
PLACE_LOCALITY_PLACE
LOCALITY_PLACE
USGNCV_EVENT
TMP_COPY_TAXON
PLACE_STATION_PLACE
ECOLOGY_PLACE
PLACE_PLACEATTR_PLACE
PLACEATTR_PLACE
ERROR_LOG
HYS_KOORDINATE_PLACE
XML_TAXON
STATION_PLACE
PLACE_ECOLOGY_PLACE
IMPORT_TERM
IMP_COLLECTING_METHOD
XML_TAXON_RESULT
XML_TAXON_RESULT_ALL
IMP_LEGACY
TMP_OBJECT_IDS_FOR_LABELS
TMP_LOOKUP_LOCALITY
TMP_TAXON_COUNT
TMP_TAXONNAME
TMP_ROLES
TMP_TAXONRESULTS
TMP_TAXON_OLD_NEW
TMP_TYPESES_OLD_NEW
TMP_KOORDINATES
TMP_KOORDINATES_ERROR
TMP_KOORDINATES_ERR_ECHO
TMP_OBJECT_OPERATIONS
TMP_USER_ROLES
TMP_TYPES
TMP_VIEW_ROLES

Layout with Tools

Table ACTOR		
* Pk	ACTOR_ID	number(22)
Idx	ACTOR_TYPE	number(22)
Idx	ACTORNAME	varchar2(512)
Idx	VALID_PERSON_NAME_ID	number(22)
Idx	GROUP_MEMBER_NAMES	varchar2(2056)
	BIRTHDATE	date
	DEATHDATE	date
	ADRESS	varchar2(128)
	POSTAL_ADDRESS	varchar2(128)
	EMAIL_ADDRESS	varchar2(128)
	PHONE_NUMBER	varchar2(128)
Idx	INSTITUTION	varchar2(128)
	GENDER	varchar2(1)
	URL	varchar2(512)
	URL_NOTE	varchar2(512)
	NOTE	varchar2(4000)
Indexes		
	I_ACTOR_ACTORNAME	ACTORNAME
	I_ACTOR_ACTORTYPE	ACTOR_TYPE
	I_ACTOR_GROUP_MEMBERS	GROUP_MEMBER_NAMES
	I_ACTOR_INSTITUTION	INSTITUTION
	I_ACTOR_VALID_PERSONNAME_ID	VALID_PERSON_NAME_ID
Pk	PK_ACTOR	ACTOR_ID
Foreign Keys		
	FK_ACTOR_PERSON_NAME (VALID_PERSON_NAME_ID) ref PERSON_NAME (PERSON_NAME_ID)	
	TYPES_ACTOR (ACTOR_TYPE) ref TYPES (TYPE_ID)	

Table AUTHORSTRINGS		
* Pk	AUTHOR_ID	integer
Idx	AUTHORSTRING	varchar2(200)
Indexes		
	I_AUTORSTRENG	AUTHORSTRING
Pk	PK_AUTHORSTRINGS	AUTHOR_ID

Table CLASSIFICATION_EVENT		
* Pk	EVENT_ID	number(22)
Idx	CLASSIFICATION_TYPE_ID	number(22)
Idx	CLASS_TERM_ID	number(22)
Idx	GENDER_CLASS_TERM_ID	number(22)
	DETNAME_ORIG	varchar2(1024)
	AGG_PERSONNAMES	varchar2(2048)
Indexes		
	I_CLASS_CLASSTERM	CLASS_TERM_ID
	I_CLASS_CLASSTYPE	CLASSIFICATION_TYPE_ID
	I_CLASS_GENTERTERM	GENDER_CLASS_TERM_ID
Pk	PK_CLASS_EVENT	EVENT_ID
Foreign Keys		
	CLASSTERM_CLASSEVENT (CLASS_TERM_ID) ref CLASSIFICATION_TERM (CLASS_TERM_ID)	
	EVENT_CLASSIFICATION_EVENT (EVENT_ID) ref EVENT (EVENT_ID)	
	FK_CLASSEVENT_GENDERCLASS (GENDER_CLASS_TERM_ID) ref GENDER_STAGE_TERMS (GENDER_CLASS_TERM_ID)	
	TYPES_CLASSIFICATION_EVENT (CLASSIFICATION_TYPE_ID) ref TYPES (TYPE_ID)	

Table CLASSIFICATION_TERM		
* Pk	CLASS_TERM_ID	number(22)
Idx	CLASSTERM	varchar2(512)
Idx	ENTERED_CLASSTERM	varchar2(512)
Idx	VALID_CLASSTERM	varchar2(512)
Idx	INFRASPES_RANK	number
Idx	INFRASPES_NAME	varchar2(128)
	SENSU_TERM	varchar2(256)
Indexes		
	I_CLASSTERM_ENTERED	ENTERED_CLASSTERM
	I_CLASSTERM_INFRASPES_NAME	INFRASPES_NAME
	I_CLASSTERM_RANK	INFRASPES_RANK
	I_CLASSTERM_TERM	CLASSTERM
	I_CLASSTERM_VALID	VALID_CLASSTERM
Pk	PK_CLASS_TERM	CLASS_TERM_ID
Foreign Keys		
	FK_TAX_CATH_RANK (INFRASPES_RANK) ref TAXON_CATHEGORY (TAX_CATH_ID)	

Table CLASSTERM_LATIN_NAME		
* Pk	CLASSTERM_LATINNAME_ID	number
* Idx	CLASSTERM_ID	number
* Idx	LATIN_NAME_ID	number
	PRECISION_CODE	varchar2(10)
Idx	TAXON_CATHEGORY_ID	number
Idx	RELATION_TYPE	number
Indexes		
	I_CLASSTERM_LATIN_CLASSTERM	CLASSTERM_ID
	I_CLASSTERM_LATIN_LATIN_ID	LATIN_NAME_ID
	I_CLASSTERM_LATIN_NAME_RELATIO	RELATION_TYPE
	I_CLASSTERM_LATIN_TAXKATH	TAXON_CATHEGORY_ID
Pk	PK_CLASSTERM_LATINNAME	CLASSTERM_LATINNAME_ID
Foreign Keys		
	FK_CLASSLATCLASSTERM (CLASSTERM_ID) ref CLASSIFICATION_TERM (CLASS_TERM_ID)	
	FK_CLASSLAT_LATINNAME (LATIN_NAME_ID) ref LATIN_NAMES (LATIN_NAME_ID)	
	FK_CLASSLATTAXCATH (TAXON_CATHEGORY_ID) ref TAXON_CATHEGORY (TAX_CATH_ID)	
	FK_CLASSLATRELTYOE (RELATION_TYPE) ref TYPES (TYPE_ID)	

Table COLLECTING_EVENT		
* Pk	EVENT_ID	number(22)
Idx	COLLECTIONTYPE_ID	number(22)
	LEGNAME_ORIG	varchar2(1024)
	AGG_PERSONNAMES	varchar2(2048)
Idx	COLLECTING_METHOD_ID	number(22)
	COLLECTING_METHOD_DETAILS	varchar2(1024)
Indexes		
	I_COLLECTING_EVENT_COLLECTING_	COLLECTING_METHOD_ID
	I_COLLECTING_EVENT_COLLECTIONT	COLLECTIONTYPE_ID
Pk	PK_COLLECTION_EVENT	EVENT_ID
Foreign Keys		
	COL_METHOD_COLLECTING_EVENT (COLLECTING_METHOD_ID) ref COLLECTING_METHOD (COLLECTING_METHOD_ID)	
	EVENT_COLLECTING_EVENT (EVENT_ID) ref EVENT (EVENT_ID)	
	TYPES_COLLECTING_EVENT (COLLECTIONTYPE_ID) ref TYPES (TYPE_ID)	

Table COLLECTING_METHOD		
* Pk	COLLECTING_METHOD_ID	number
	METHOD_NAME	varchar2(100)
	METHOD_NAME_DESCRIPTION	varchar2(1000)
Indexes		
Pk	PK_COLLECTING_METHOD	COLLECTING_METHOD_ID

Table CONDITION_ASSESSMENT_EVENT		
* Pk	EVENT_ID	number(22)
Idx	CONDITION_TERM_ID	number(22)
Indexes		
	I_CONDITION_ASSESSMENT_EVENT_C	CONDITION_TERM_ID
Pk	PK_CONDITION_ASSESSMENT_EVENT	EVENT_ID
Foreign Keys		
	EVENT_CONDASS_EVENT (EVENT_ID) ref EVENT (EVENT_ID)	
	TYPES_CONDASS (CONDITION_TERM_ID) ref TYPES (TYPE_ID)	

Table CONSERVATION_EVENT		
* Pk	EVENT_ID	number(22)
Idx	CONSERVATION_METHOD_ID	number(22)
Idx	CONSERVATION_MEDIUM_ID	number(22)
Indexes		
	I_CONSERVATION_CON_METHOD_ID	CONSERVATION_METHOD_ID
	I_CONSERVATION_EVENT_CONSERVAT	CONSERVATION_MEDIUM_ID
Pk	PK_CONSERVATION_EVENT	EVENT_ID
Foreign Keys		
	EVENT_CONSERVATION_EVENT (EVENT_ID) ref EVENT (EVENT_ID)	
	TYPES_CONDASS_EVENT (CONSERVATION_METHOD_ID) ref TYPES (TYPE_ID)	
	TYPES_CONSERVATION_EVENT (CONSERVATION_MEDIUM_ID) ref TYPES (TYPE_ID)	

Table DATABASE_EVENT		
* Pk	EVENT_ID	number(22)
Idx	DATABASE_EVENT_TYPE_ID	number(22)
* Idx	ORA_USERNAME	varchar2(32)
Indexes		
	I_DBEVENT_TYPE	DATABASE_EVENT_TYPE_ID
	I_DBEVENT_USERNAME	ORA_USERNAME
Pk	PK_DATABASE_EVENT	EVENT_ID
Foreign Keys		
	EVENT_DATABASE_EVENT (EVENT_ID) ref EVENT (EVENT_ID)	
	TYPES_DATABASE_EVENT (DATABASE_EVENT_TYPE_ID) ref TYPES (TYPE_ID)	

Table DERIVED_COORDINATES		
* Pk	KOORDINATE_PLACE_ID	number
	DATUM	varchar2(32)
	ZONE	integer
	BAND	varchar2(1)
	NORTH_SOUTH	varchar2(1)
	UTM_X	number
	UTM_Y	number
	UTM33_X	number
	UTM33_Y	number
	LONGITUDE	number
	LATITUDE	number

Table DERIVED_COORDINATES		
	DERIVED_COORDINATES_TYPE	number
Indexes		
Pk	PK_KOORDINATE_PLACE_ID	KOORDINATE_PLACE_ID
Foreign Keys		
	FK_KOORDINATE_PLACE_ID (KOORDINATE_PLACE_ID) ref KOORDINATE_PLACE (KOORDINATE_PLACE_ID)	

Table DERIVED_COORDINATES_12_APRIL		
*	KOORDINATE_PLACE_ID	number
	DATUM	varchar2(32)
	ZONE	integer
	BAND	varchar2(1)
	NORTH_SOUTH	varchar2(1)
	UTM_X	number
	UTM_Y	number
	UTM33_X	number
	UTM33_Y	number
	LONGITUDE	number
	LATITUDE	number
	DERIVED_COORDINATES_TYPE	number

Table DNA_SAMPLING_EVENT		
* Pk	EVENT_ID	number
Idx	DNA_SAMPLING_METHOD	number
Indexes		
	I_DNA_METHOD	DNA_SAMPLING_METHOD
Pk	PK_DNA_EVENT	EVENT_ID
Foreign Keys		
	FK_DNA_EVENT_EVENT (EVENT_ID) ref EVENT (EVENT_ID)	
	FK_DNAEVENT_METHOD (DNA_SAMPLING_METHOD) ref TYPES (TYPE_ID)	

Table DOCUMENT_OBJECT		
* Pk	DOCUMENT_OBJECT_ID	number(22)
Idx	DOCUMENT_ID	number(22)
Idx	OBJECT_ID	number(22)
Idx	NOTE_ID	number
Idx	TYPE_ID	number
Indexes		
	I_DOCUMENT_OBJECT_DOC	DOCUMENT_ID
	I_DOCUMENT_OBJECT_NOTE_ID	NOTE_ID
	I_DOCUMENT_OBJECT_OBJECT	OBJECT_ID
	I_DOCUMENT_OBJECT_TYPE_ID	TYPE_ID
Pk	PK_DOCUMENT_OBJECT	DOCUMENT_OBJECT_ID
Foreign Keys		
	BO_DOC_CONNECTION (OBJECT_ID) ref MUSEUM_OBJECT (OBJECT_ID)	
	REFERENCE_DOC_OBJ_NOTE (NOTE_ID) ref NOTE (NOTE_ID)	
	REFERNCE_DOC_BIOOBJ_CONNECTION (DOCUMENT_ID) ref REFERENCE_DOCUMENT (DOCUMENT_ID)	
	REFERENCE_DOC_OBJ_TYPE (TYPE_ID) ref TYPES (TYPE_ID)	

Table ECOLOGY_PLACE		
* Pk	ECOLOGY_PLACE_ID	number(22)
Idx	NIN_TYPE	number(22)

Table ECOLOGY_PLACE		
Idx	ECOLOGY	varchar2(4000)
Indexes		
	I_ECOLOGY	ECOLOGY
	I_ECOLOGY_PLACE_NIN_TYPE	NIN_TYPE
Pk	PK_ECOLOGY	ECOLOGY_PLACE_ID
Foreign Keys		
	TYPES_ECOLOGY_PLACE (NIN_TYPE) ref TYPES (TYPE_ID)	

Table EIS_PLACE		
* Pk	EIS_PLACE_ID	number
	EIS	varchar2(10)
Indexes		
Pk	PK_EIS	EIS_PLACE_ID

Table ERROR_LOG		
	PROCEDURE_NAME	varchar2(4000)
	ERROE	varchar2(1024)
	ORA_ERROR_MESSAGE	varchar2(1024)
	ORA_ERROR_NUMBER	varchar2(128)
	SQL_STRING	clob
	MODIFIED_DATE	timestamp(6)
	MODIFIED_BY	varchar2(40)
	SCHEMA_NAME	varchar2(64)
	CURRENT_SQL_STRING	varchar2(64)
	DB_NAME	varchar2(64)
	HOST_NAME	varchar2(64)
	IP_ADDRESS	varchar2(64)
	CLIENT_INFO	varchar2(64)

Table EVENT		
* Pk	EVENT_ID	number(22)
Idx	EVENTNAME	varchar2(512)
Idx	TIMESPAN_ID	number(22)
Idx	EVENT_TYPE	number(22)
Indexes		
	I_EVENTNAME	EVENTNAME
	I_EVENT_EVENTTYPE	EVENT_TYPE
	I_EVENT_TIMESPAN	TIMESPAN_ID
Pk	PK_EVENT	EVENT_ID
Foreign Keys		
	TIMESPAN_EVENT (TIMESPAN_ID) ref TIMESPAN (TIMESPAN_ID)	
	TYPES_EVENT (EVENT_TYPE) ref TYPES (TYPE_ID)	

Table EVENT_DOCUMENT		
* Pk	EVENT_DOCUMENT_ID	number(22)
Idx	EVENT_ID	number(22)
Idx	DOCUMENT_ID	number(22)
Idx	NOTE_ID	number
Idx	TYPE_ID	number
Indexes		
	I_EVENT_DOK_EVENT	EVENT_ID
	I_EVENT_DOK_NOTE	NOTE_ID
	I_EVENT_DOK_REFDOC	DOCUMENT_ID

Table EVENT_DOCUMENT		
	I_EVENT_DOK_TYPES	TYPE_ID
Pk	PK_EVENT_DOCUMENT	EVENT_DOCUMENT_ID
Foreign Keys		
	EVENT_EVENT_DOCUMENT (EVENT_ID) ref EVENT (EVENT_ID)	
	FK_EVENT_DOC_NOTE_ID (NOTE_ID) ref NOTE (NOTE_ID)	
	DOC_EVENT (DOCUMENT_ID) ref REFERENCE_DOCUMENT (DOCUMENT_ID)	
	FK_EVENT_DOC_TYPE_ID (TYPE_ID) ref TYPES (TYPE_ID)	

Table EVENT_FOR_EVENT		
* Pk	EVENT_FOR_EVENT_ID	number
Unq	SUBJECT_EVENT_ID	number(22)
Unq	OBJECT_EVENT_ID	number(22)
Idx	SEQUENCE_NUMBER	number(22)
Idx	PREV_EVENT_FOR_EVENT	number(22)
Indexes		
	I_EVENT_EVENT_FOR_EVENT_ID	OBJECT_EVENT_ID
	I_EVENT_EVENT_FOR_EVENT_PREV	PREV_EVENT_FOR_EVENT
	I_EVENT_EVENT_FOR_EVENT_SEQ	SEQUENCE_NUMBER
	I_EVENT_FOR_EVENT_EVENT_ID	SUBJECT_EVENT_ID
Pk	PK_EVENT_FOR_EVENT	EVENT_FOR_EVENT_ID
Unq	UNIQUE_EVENT_FOR_EVENT	SUBJECT_EVENT_ID, OBJECT_EVENT_ID
Foreign Keys		
	EVENT_EVENT_FOR_EVENT (SUBJECT_EVENT_ID) ref EVENT (EVENT_ID)	
	FK_PREVEVENT_FOR_EVENT (PREV_EVENT_FOR_EVENT) ref EVENT (EVENT_ID)	
	MUS_OBJ__EVENT_FOR_EVENT_REL (OBJECT_EVENT_ID) ref MUSEUM_OBJECT (OBJECT_ID)	

Table EVENT_HIERARCHY		
* Pk	EVENT_HIERARCHY_ID	number(22)
Unq	PARENT_EVENT_ID	number(22)
Unq	CHILD_EVENT_ID	number(22)
Idx	TYPE_ID	number(22)
Indexes		
	I_EVENTHIEARCY_CHILD	CHILD_EVENT_ID
	I_EVENTHIEARCY_PARENT	PARENT_EVENT_ID
	I_EVENTHIEARCY_TYPE	TYPE_ID
Pk	PK_EVENT_HIERARCHY	EVENT_HIERARCHY_ID
Unq	UNIQUE_EVENT_HIERARCHY	PARENT_EVENT_ID, CHILD_EVENT_ID
Foreign Keys		
	EVENT_EVENT_HIERARCHY (PARENT_EVENT_ID) ref EVENT (EVENT_ID)	
	EV_EVENTHIERARCHY (CHILD_EVENT_ID) ref EVENT (EVENT_ID)	
	TYPES_EVENT_HIERARCHY (TYPE_ID) ref TYPES (TYPE_ID)	

Table EVENT_MUSEUM_OBJECT		
* Pk	EVENT_MUSEUM_OBJECT_ID	number
Unq	EVENT_ID	number(22)
Unq	OBJECT_ID	number(22)
Idx	SEQUENCE_NUMBER	number(22)
Idx	PREV_EVENT_FOR_OBJEKT	number(22)
Indexes		
	I_EVENT_MUSEUM_OBJECT_SEQ	SEQUENCE_NUMBER
	I_EVENT_OBJECT_EVENT_ID	EVENT_ID
	I_EVENT_OBJECT_OBJECT_ID	OBJECT_ID
	I_EVENT_OBJECT_PREV	PREV_EVENT_FOR_OBJEKT

Table EVENT_MUSEUM_OBJECT		
Pk	PK_EVENT_MUSEUM_OBJECT	EVENT_MUSEUM_OBJECT_ID
Unq	UNIQUE_EVENT_MUSEUM_OBJECT	EVENT_ID, OBJECT_ID
Foreign Keys		
	EVENT_EVENT_MUSEUM_OBJECT (EVENT_ID) ref EVENT (EVENT_ID)	
	PREVEVENT_EVENTMUS (PREV_EVENT_FOR_OBJEKT) ref EVENT (EVENT_ID)	
	MUS_OBJ__EVENT_MUSOBJ_REL (OBJECT_ID) ref MUSEUM_OBJECT (OBJECT_ID)	

Table EVENT_NOTE		
* Pk	EVENT_NOTE_ID	number
Idx	EVENT_ID	number(22)
Idx	NOTE_TYPE_ID	number(22)
Idx	NOTE_ID	number(22)
Indexes		
	I_EVENTNOTE_EVENT_ID	EVENT_ID
	I_EVENTNOTE_NOTE_ID	NOTE_ID
	I_EVENTNOTE_TYPE	NOTE_TYPE_ID
Pk	PK_EVENT_NOTE	EVENT_NOTE_ID
Foreign Keys		
	EVENT_EVENT_NOTE (EVENT_ID) ref EVENT (EVENT_ID)	
	NOTE_EVENT_NOTE (NOTE_ID) ref NOTE (NOTE_ID)	
	TYPES_EVENT_NOTE (NOTE_TYPE_ID) ref TYPES (TYPE_ID)	

Table EVENT_ROLE_PERSON_NAME		
* Pk	EVENT_PERSON_NAME_ROLE_ID	number
* Idx	EVENT_ID	number(22)
* Idx	ROLE_ID	number(22)
* Idx	PERSON_NAME_ID	number(22)
	SORTING_SEQUENCE	integer
Indexes		
	I_ERPN_EVENT_ID	EVENT_ID
	I_ERPN_PERSON_NAME_ID	PERSON_NAME_ID
	I_ERPN_ROLE_ID	ROLE_ID
Pk	PK_EVENT_ROLE_PERSON_NAME	EVENT_PERSON_NAME_ROLE_ID
Foreign Keys		
	FK_EVENT_ROLE_PN_EVENT (EVENT_ID) ref EVENT (EVENT_ID)	
	FK_EVENT_ROLE_PN_PERSON (PERSON_NAME_ID) ref PERSON_NAME (PERSON_NAME_ID)	

Table GENDERS_AND_STAGES		
* Pk	GENDERS_STAGES_ID	number
Idx	GENDER_CLASS_TERM_ID	number(22)
Idx	GENDER_OR_STAGE_ID	number(22)
	QUANTITY	integer
Indexes		
	I_GENDERS_AND_STAGES_GENDER_CL	GENDER_CLASS_TERM_ID
	I_GENDERS_AND_STAGES_GENDER_OR	GENDER_OR_STAGE_ID
Pk	PK_GENDERS_AND_STAGES	GENDERS_STAGES_ID
Foreign Keys		
	FK_GENDER_CLASS_TERM_ID (GENDER_CLASS_TERM_ID) ref GENDER_STAGE_TERMS (GENDER_CLASS_TERM_ID)	
	TYPES_GENDERS_AND_STAGES (GENDER_OR_STAGE_ID) ref TYPES (TYPE_ID)	

Table GENDERS_AND_STAGES_EVENT		
* Pk	EVENT_ID	number(22)

Table GENDERS_AND_STAGES_EVENT		
Idx	GENDER_CLASS_TERM_ID	number(22)
Idx	STAGE_CLASS_TERM_ID	number(22)
Indexes		
	I_GENDERS_AND_STAGES_EVENT_STA	STAGE_CLASS_TERM_ID
	I_GENDER_CLASS_CLASSTERM	GENDER_CLASS_TERM_ID
Pk	PK_GENDERS_AND_STAGES_EVENT	EVENT_ID
Foreign Keys		
	EVENT_GENDERS_AND_STAGES_EVENT (EVENT_ID) ref EVENT (EVENT_ID)	
	FK_GENDER_CLASS_TERMS_ID_GEN (GENDER_CLASS_TERM_ID) ref GENDER_STAGE_TERMS (GENDER_CLASS_TERM_ID)	
	FK_GENDER_CLASS_TERMS_ID_STAGE (STAGE_CLASS_TERM_ID) ref GENDER_STAGE_TERMS (GENDER_CLASS_TERM_ID)	

Table GENDER_STAGE_TERMS		
* Pk	GENDER_CLASS_TERM_ID	number(22)
	GENDER_CLASS_TERM	varchar2(64)
	TOTAL_NUMBER	number(22)
	ESTIMATED_NUMBER	varchar2(1)
Indexes		
Pk	PK_GENDER_STAGE_TERM	GENDER_CLASS_TERM_ID

Table GROUPMEMBERSHIP		
* Pk	GROUPMEMBERSHIP_ID	number
Idx	GROUP_ID	number
Idx	MEMBER_ID	number
Indexes		
	I_GROUPMEMBERSHIP_GROUP_ID	GROUP_ID
	I_GROUPMEMBERSHIP_MEMBER_ID	MEMBER_ID
Pk	PK_GROUPMEMBERSHIP	GROUPMEMBERSHIP_ID
Foreign Keys		
	FK_GROUP_GROUP (GROUP_ID) ref ACTOR (ACTOR_ID)	
	FK_GROUP_MEMBER (MEMBER_ID) ref ACTOR (ACTOR_ID)	

Table HIS_KOORDINATE_PLACE		
	KOORDINATE_PLACE_ID	number(22)
	COORDINATE_TYPE	number(22)
	COORDINATE_STRING	varchar2(512)
	ZONE	number(22)
	BELT	varchar2(5)
	DATUM	varchar2(40)
	LONGITUDE_H	number
	LATITUDE_L	number
	ALTITUDE_STRING	varchar2(40)
	ALTITUDE_UNIT	varchar2(10)
	CA_UTM	varchar2(1)
	CA_ALTITUDE	varchar2(1)
	UTM_SENERE	varchar2(1)
	MGRS_L	varchar2(15)
	MGRS_H	varchar2(15)
	LONGITUDE_L	number
	LATITUDE_H	number
	ALT_L	number
	ALT_H	number
	DEPTH_STRING	varchar2(40)

Table HIS_KOORDINATE_PLACE		
	DEPTH_L	number(22)
	DEPTH_H	number(22)
	MAP_SHEET	varchar2(40)
	ALTITUDE_OF_DEPTH_REFERENCE	number
	PRECISION	number
	ACCURACY	number
	SHAPEFILE	blob
	LAT_DIRECTION	varchar2(1)
	LONG_DIRECTION	varchar2(1)
	UTM_X	number
	UTM_Y	number
	COORDINATE_SOURCE_ID	number
	CA_DEPTH	varchar2(1)
	UTM_X_H	number
	UTM_Y_H	number
	HISTORY_DATE	date

Table HOST_PLACE		
* Pk	HOST_ID	number
Idx	HOST_FREE_TEXT	varchar2(4000)
Idx	VALIDATED_HOST	varchar2(512)
Idx	ADB_LATIN_NAME_ID	number
Indexes		
	I_ADB_LATINNAME_HOST	ADB_LATIN_NAME_ID
	I_HOST_FREETEXT	HOST_FREE_TEXT
	I_VALIDATED_HOST	VALIDATED_HOST
Pk	PK_HOST	HOST_ID

Table HYBRID_COMBINATIONS		
* Pk	HYBRID_ID	integer
	HYBRID_COMBINATION	varchar2(1000)
	VALID_COMBINATION	varchar2(1000)
	VALID_HYBRID_NAME	varchar2(40)
Idx	LATIN_NAME_ID	integer
Indexes		
	I_HYBRID_COMBINATIONS_LATIN_NA	LATIN_NAME_ID
Pk	PK_HYBRIDS	HYBRID_ID
Foreign Keys		
	LATIN_NAMES_HYBRID_COMB (LATIN_NAME_ID) ref LATIN_NAMES (LATIN_NAME_ID)	

Table HYBRID_LATIN_NAME		
* Pk	HYBRID_LATIN_ID	integer
Idx	HYBRID_ID	integer
Idx	LATIN_NAME_ID	integer
Indexes		
	I_HYBRID_LATIN_NAME_HYBRID_ID	HYBRID_ID
	I_HYBRID_LATIN_NAME_LATIN_NAME	LATIN_NAME_ID
Pk	PK_LATINNAME_HYBRID	HYBRID_LATIN_ID
Foreign Keys		
	HYBRIDCOMB_LATIN_NAME (HYBRID_ID) ref HYBRID_COMBINATIONS (HYBRID_ID)	
	LATIN_NAMES_HYBRID_LATIN_NAME (LATIN_NAME_ID) ref LATIN_NAMES (LATIN_NAME_ID)	

Table IDENTIFIERS_OBJECT		
* Idx	OBJECT_ID	number
*	OLD_IDENT	varchar2(32)
* Idx	TYPE_OF_IDENT	number
Idx	ACTOR_ID	number
	COLLECTION	varchar2(64)
	IDENT_DATE	date
	SEQ	integer
* Pk	IDENT_EVENT_ID	number
Indexes		
	I_IDENTIFIERS_OBJECT_ACTOR_ID	ACTOR_ID
	I_IDENTIFIERS_OBJECT_OBJECT_ID	OBJECT_ID
	I_IDENTIFIERS_OBJECT_TYPE_OF_I	TYPE_OF_IDENT
Pk	PK_IDENT_EVENT_ID	IDENT_EVENT_ID
Foreign Keys		
	FK_IDENT_ACTOR (ACTOR_ID) ref ACTOR (ACTOR_ID)	
	FK_OBJECT (OBJECT_ID) ref MUSEUM_OBJECT (OBJECT_ID)	
	FK_IDENT_TYPE (TYPE_OF_IDENT) ref TYPES (TYPE_ID)	

Table IDENTIFIER_ASSIGNMENT		
* Pk	EVENT_ID	number
* Idx	OBJECT_ID	number
Idx	IDENTIFIER_STRING	varchar2(64)
Idx	IDENTIFIER_NUM	number
Idx	IDENTIFIER_TYPE	number
Indexes		
	I_IDASS_IDNUM	IDENTIFIER_NUM
	I_IDASS_IDSTRING	IDENTIFIER_STRING
	I_IDASS_IDTYPE	IDENTIFIER_TYPE
	I_IDASS_OBJEKT	OBJECT_ID
Pk	PK_ID_ASS_EVENT_ID	EVENT_ID
Foreign Keys		
	FK_ID_ASS_EVENT (EVENT_ID) ref EVENT (EVENT_ID)	
	FK_ID_ASS_OBJEKT (OBJECT_ID) ref MUSEUM_OBJECT (OBJECT_ID)	
	FK_ID_ASS_IDTYPE (IDENTIFIER_TYPE) ref TYPES (TYPE_ID)	

Table IMPORT_TERM		
* Pk	IMPORT_FIELD_NAME	varchar2(100)
* Pk	TERM	varchar2(100)
	NORM_TERM	varchar2(100)
	DETAILS	varchar2(1000)
Indexes		
Pk	PK_IMPORT_TERM	IMPORT_FIELD_NAME, TERM

Table IMP_COLLECTING_METHOD		
	COLLECTING_METHOD_ID	number
	METHOD_NAME	varchar2(100)
	METHOD_NAME_DESCRIPTION	varchar2(1000)

Table IMP_LEGACY		
	ID	number
	INSTITUTIONCODE	varchar2(255)
	COLLECTIONCODE	varchar2(255)
	CATALOGNUMBER	varchar2(255)

Table IMP_LEGACY		
	SUBCOLLECTION	varchar2(255)
	LEGACY	clob
	SUBNUMBER	varchar2(255)
Idx	CATALOGNUMBER_NUM	number
	LEGACY_OLD	clob
Indexes		
	I_CATALOGNUMBER_NUM	CATALOGNUMBER_NUM

Table INDEXED_LOCALITY		
* Pk	INDEXED_LOC_PLACE_ID	number(22)
	HIERARCHICAL_PLACE_ID	number(22)
Idx	LOC_NAME	varchar2(128)
Idx	KOORDINATE_PLACE_ID	number(22)
	LOCAL_LOCALITY_NUMBER	varchar2(40)
	LOCALITY_NUMBER_REFERENCE	varchar2(40)
Idx	INDEXED_LOCALITY_TYPE	number
Indexes		
	I_INDLOC_KOORD	KOORDINATE_PLACE_ID
	I_INDLOC_LOCNAME	LOC_NAME
	I_INDLOC_TYPE	INDEXED_LOCALITY_TYPE
Pk	PK_INDEXEDLOCALITY	INDEXED_LOC_PLACE_ID
Foreign Keys		
	KOORD_PLACE_INDEXED_LOC (KOORDINATE_PLACE_ID) ref KOORDINATE_PLACE (KOORDINATE_PLACE_ID)	
	FK_INDLOCTYPE (INDEXED_LOCALITY_TYPE) ref TYPES (TYPE_ID)	

Table KOORDINATE_PLACE		
* Pk	KOORDINATE_PLACE_ID	number(22)
Idx	COORDINATE_TYPE	number(22)
Idx	COORDINATE_STRING	varchar2(512)
Idx	ZONE	number(22)
Idx	BELT	varchar2(5)
Idx	DATUM	varchar2(40)
	LONGITUDE_H	number
	LATITUDE_L	number
Idx	ALTITUDE_STRING	varchar2(40)
	ALTITUDE_UNIT	varchar2(10)
	CA_UTM	varchar2(1)
	CA_ALTITUDE	varchar2(1)
Idx	UTM_SENERE	varchar2(1)
	MGRS_L	varchar2(15)
	MGRS_H	varchar2(15)
	LONGITUDE_L	number
	LATITUDE_H	number
	ALT_L	number
	ALT_H	number
	DEPTH_STRING	varchar2(40)
	DEPTH_L	number(22)
	DEPTH_H	number(22)
Idx	MAP_SHEET	varchar2(40)
	ALTITUDE_OF_DEPTH_REFERENCE	number
	PRECISION	number
	ACCURACY	number
	SHAPEFILE	blob

Table KOORDINATE_PLACE		
	LAT_DIRECTION	varchar2(1)
	LONG_DIRECTION	varchar2(1)
	UTM_X	number
	UTM_Y	number
Idx	COORDINATE_SOURCE_ID	number
	CA_DEPTH	varchar2(1)
	UTM_X_H	number
	UTM_Y_H	number
	UTM33_X	number
	UTM33_Y	number
	UTM33_X_H	number
	UTM33_Y_H	number
	COORD_EXPECTED_OUTPUT_ECHO	varchar2(1000)
	COORDINATE_STRING_ACTUAL	varchar2(512)
	ALTITUDE_EXPECTED_OUTPUT_ECHO	varchar2(1000)
	DEPTH_EXPECTED_OUTPUT_ECHO	varchar2(1000)
	DEPTH_UNIT	varchar2(10)
	ALTITUDE_SOURCE_ID	number
Indexes		
	I_ALTSTRING	ALTITUDE_STRING
	I_COORDPLACE_BELT	BELT
	I_COORDPLACE_COORDSTRING	COORDINATE_STRING
	I_COORDPLACE_COORDTYPE	COORDINATE_TYPE
	I_COORDPLACE_DATUM	DATUM
	I_COORDPLACE_LATER	UTM_SENERE
	I_COORDPLACE_ZONE	ZONE
	I_KOORDINATE_PLACE_COORDINATE_	COORDINATE_SOURCE_ID
	I_MAPSHEET	MAP_SHEET
Pk	PK_KOORDINATE_PLACE	KOORDINATE_PLACE_ID
Foreign Keys		
	FK_KOORD_PLACE_ALTI_SOURCE (ALTITUDE_SOURCE_ID) ref TYPES (TYPE_ID)	
	FK_KOORD_PLACE_COORD_SOURCE (COORDINATE_SOURCE_ID) ref TYPES (TYPE_ID)	
	TYPES_KOORDINATE_PLACE (COORDINATE_TYPE) ref TYPES (TYPE_ID)	

Table KOORDINATE_PLACE_PLACE		
* Pk	KOORDINATEPLACE_PLACE_ID	number
Idx	KOORDINATE_PLACE_ID	number(22)
Idx	PLACE_ID	number(22)
Indexes		
	I_KOORD_PLACE_PLACE_KOORD_ID	KOORDINATE_PLACE_ID
	I_KOORD_PLACE_PLACE_PLACE_ID	PLACE_ID
Pk	PK_KOORDINATE_PLACE_PLACE	KOORDINATEPLACE_PLACE_ID
Foreign Keys		
	KOORD_PLACE_KOORD_PLACE_PLACE (KOORDINATE_PLACE_ID) ref KOORDINATE_PLACE (KOORDINATE_PLACE_ID)	
	PLACE_KOORDINATE_PLACE_PLACE (PLACE_ID) ref PLACE (PLACE_ID)	

Table LATIN_NAMES		
* Pk	LATIN_NAME_ID	integer
Idx	TYPE_SPEC_ID	integer
Idx	LATIN_NAME	varchar2(150)
Idx	PARENT_LATIN_NAME_ID	integer
Idx	ADB_LATIN_NAME_ID	integer
	NHM_TAXON_ID	integer

Table LATIN_NAMES		
Idx	TAX_CATH_ID	integer
Idx	AUTHOR_ID	integer
	IS_VALID	varchar2(1)
Idx	FULL_NAME	varchar2(250)
Idx	FULL_NAME_AUTHOR	varchar2(250)
	DATE_LAST_CHANGED	date
	ORGANISME_GRUPPE	varchar2(16)
	CONCEPT_CHANGED_DATE	date
Indexes		
	I_ADB_LATIN_NAME	ADB_LATIN_NAME_ID
	I_AUTOR_ID	AUTHOR_ID
	I_FULL_NAME	FULL_NAME
	I_FULL_NAME_AUTOR	FULL_NAME_AUTHOR
	I_LATIN_NAME	LATIN_NAME
	I_LATIN_NAMES_TAX_CATH_ID	TAX_CATH_ID
	I_PARENT_TAXON_NAME	PARENT_LATIN_NAME_ID
	I_TYPE_SPEC_ID	TYPE_SPEC_ID
Pk	PK_LATIN_NAMES	LATIN_NAME_ID
Foreign Keys		
	AUTHORSTRINGS_LATIN_NAMES (AUTHOR_ID) ref AUTHORSTRINGS (AUTHOR_ID)	
	LATIN_NAMES_PARENT_NAME (PARENT_LATIN_NAME_ID) ref LATIN_NAMES (LATIN_NAME_ID)	
	TAXON_CATHEGORY_LATIN_NAMES (TAX_CATH_ID) ref TAXON_CATHEGORY (TAX_CATH_ID)	
	TYPE_SPECIMEN_LATIN_NAMES (TYPE_SPEC_ID) ref TYPE_SPECIMEN (TYPE_SPEC_ID)	

Table LATIN_NAME_ATTRIBUTES		
* Pk	LATIN_NAME_ID	number
Idx	GENUS	varchar2(100)
Idx	GENUS_AUTHOR	varchar2(100)
Idx	SPECIES	varchar2(100)
Idx	SPECIES_AUTHOR	varchar2(100)
	SUBSPECIES	varchar2(100)
	VARIETY	varchar2(100)
	FORMA	varchar2(100)
	INFRASPESIFIC_AUTHOR	varchar2(100)
Indexes		
	I_GENUS	GENUS
	I_GENUS_AUTHOR	GENUS_AUTHOR
	I_SPECIES	SPECIES
	I_SPECIES_AUTHOR	SPECIES_AUTHOR
Pk	PK_LATIN_NAME_ATTR	LATIN_NAME_ID
Foreign Keys		
	FK_LATIN_NAME_ID (LATIN_NAME_ID) ref LATIN_NAMES (LATIN_NAME_ID)	

Table LEGACY_EVENT		
* Pk	EVENT_ID	number
	LEGACY_DATA	clob
Indexes		
Pk	PK_LEGACY_EVENT	EVENT_ID

Table LOCALITY_PLACE		
* Pk	LOCALITY_PLACE_ID	number(22)
Idx	LOCALITY	varchar2(4000)
Indexes		

Table LOCALITY_PLACE		
	I_LOCALITY	LOCALITY
Pk	PK_LOCALITY	LOCALITY_PLACE_ID

Table MEASURMENT		
* Pk	MEASURMENT_ID	number(22)
Idx	MEASURMENT_EVENT_ID	number(22)
Idx	MEASURMENT_TYPE	number(22)
	MEASURMENT_TARGET	varchar2(100)
	MEASURMENT_VALUE	number(22)
	MEASURMENT_UNIT	varchar2(40)
Indexes		
	I_MEASURMENT_MEASURMENT_EVENT_	MEASURMENT_EVENT_ID
	I_MEASURMENT_MEASURMENT_TYPE	MEASURMENT_TYPE
Pk	PK_MEASURMENT	MEASURMENT_ID
Foreign Keys		
	MEASURMENT_EVENT_MEASURMENT (MEASURMENT_EVENT_ID) ref MEASURMENT_EVENT (EVENT_ID)	
	TYPES_MEASURMENT (MEASURMENT_TYPE) ref TYPES (TYPE_ID)	

Table MEASURMENT_EVENT		
* Pk	EVENT_ID	number(22)
Idx	MEASURMENT_TYPE_ID	number(22)
Indexes		
	I_MEASURMENT_EVENT_MEASURMENT_	MEASURMENT_TYPE_ID
Pk	PK_MEASURMENT_EVENT	EVENT_ID
Foreign Keys		
	EVENT_MEASURMENT_EVENT (EVENT_ID) ref EVENT (EVENT_ID)	
	TYPES_MEASURMENT_EVENT (MEASURMENT_TYPE_ID) ref TYPES (TYPE_ID)	

Table MUSEUM_OBJECT		
* Pk	OBJECT_ID	number(22)
Idx	MUSEUM_OBJECT_TYPE	number(22)
Idx	IDENTIFIER_NUM	number(22)
Idx	IDENTIFIER_STRING	varchar2(64)
Idx	LONG_NAME	varchar2(512)
Idx	PARENT_OBJECT_ID	number
	LAST_EDITED	date
	LAST_EDIT_BY	varchar2(30)
	MEDIAGRUPPE_ENHETS_ID	number
Idx	SUB_NUMBER	number
Idx	SUB_COLLECTION_ID	number
Indexes		
	I_BIOLOGICAL_OBJECT_TYPE	MUSEUM_OBJECT_TYPE
	I_MUSOBJECT_PARENT	PARENT_OBJECT_ID
	I_MUSOBJ_LONG_NAME	LONG_NAME
	I_OBJEKT_ID_NUM	IDENTIFIER_NUM
	I_OBJEKT_ID_STRING	IDENTIFIER_STRING
	I_SUB_COLLECTION_ID	SUB_COLLECTION_ID
	I_SUB_NUMBER	SUB_NUMBER
Pk	PK_MUSEUMOBJECT	OBJECT_ID
Foreign Keys		
	FK_MUSOBJECT_PARENT (PARENT_OBJECT_ID) ref MUSEUM_OBJECT (OBJECT_ID)	
	FK_SUB_COLLECTION (SUB_COLLECTION_ID) ref MUSEUM_OBJECT (OBJECT_ID)	
	TYPES_MUSEUM_OBJECT (MUSEUM_OBJECT_TYPE) ref TYPES (TYPE_ID)	

Table MUSEUM_OBJECT_DNA_EVENT		
* Pk	DNA_EVENT_OBJECT_ID	number
* Idx	DNA_EVENT_ID	number
* Idx	OBJECT_ID	number
Idx	SAMPLE_TYPE	number
Indexes		
	I_DNAEVENTOBJECT_EVENT	DNA_EVENT_ID
	I_DNAEVENTOBJECT_OBJECT	OBJECT_ID
	I_DNAEVENTOBJECT_TYPE	SAMPLE_TYPE
Pk	PK_DNA_EVENT_OBJECT	DNA_EVENT_OBJECT_ID
Foreign Keys		
	FK_DNA_EVENT_OBJECT_EVENT (DNA_EVENT_ID) ref DNA_SAMPLING_EVENT (EVENT_ID)	
	FK_DNA_EVENT_OBJECT_OBJECT (OBJECT_ID) ref MUSEUM_OBJECT (OBJECT_ID)	
	FK_DNA_EVENT_OBJECT_TYPE (SAMPLE_TYPE) ref TYPES (TYPE_ID)	

Table MUSEUM_OBJECT_LEGNR_PERSON		
* Pk	OBJECT_LEGNR_PERSON_ID	number
Idx	OBJECT_ID	number(22)
Idx	ACTOR_ID	number(22)
Idx	LEGNR	varchar2(64)
Indexes		
	I_MUS_LEGNR_ACTOR_OBJ_ACT	ACTOR_ID
	I_MUS_LEGNR_ACTOR_OBJ_OBJ	OBJECT_ID
	I_MUS_LEGNR_LEG_OBJECT_LEGNR	LEGNR
Pk	PK_MUS_LEGNR_OBJECT	OBJECT_LEGNR_PERSON_ID
Foreign Keys		
	FK_MUS_LEGNR_LEG_ACTOR (ACTOR_ID) ref ACTOR (ACTOR_ID)	
	FK_MUS_LEGNR_LEG_OBJECT (OBJECT_ID) ref MUSEUM_OBJECT (OBJECT_ID)	

Table MUSEUM_OBJECT_NOTE		
* Pk	MUSEUM_OBJECT_NOTE_ID	number
Unq	OBJECT_ID	number(22)
Unq	NOTE_ID	number(22)
Unq	TYPE_ID	number(22)
Indexes		
	I_MUS_OBJ_NOTE_NOTE	NOTE_ID
	I_MUS_OBJ_NOTE_OBJ	OBJECT_ID
	I_MUS_OBJ_NOTE_TYPE	TYPE_ID
Pk	PK_MUSEUM_OBJECT_NOTE	MUSEUM_OBJECT_NOTE_ID
Unq	UNIQUE_OBJECT_NOTE_TYPE	TYPE_ID, NOTE_ID, OBJECT_ID
Foreign Keys		
	MUS_OBJ_NOTE (OBJECT_ID) ref MUSEUM_OBJECT (OBJECT_ID)	
	NOTE_MUSEUM_OBJECT_NOTE (NOTE_ID) ref NOTE (NOTE_ID)	
	TYPES_MUSEUM_OBJECT_NOTE (TYPE_ID) ref TYPES (TYPE_ID)	

Table MV_PLACE_LOOKUP		
	P_ROWID	rowid
	PLP_ROWID	rowid
	LP_ROWID	rowid
	KPP_ROWID	rowid
	KP_ROWID	rowid
	PHP_ROWID	rowid
	MHS_ROWID	rowid
	PRP_ROWID	rowid

Table MV_PLACE_LOOKUP		
	RP_ROWID	rowid
	PEP_ROWID	rowid
	EP_ROWID	rowid
	PLACE_ID	number(22)
	PLACE_LOCPLACE_ID	varchar2(40)
	LOCALITY_PLACE_ID	number(22)
	KOORDINATEPLACE_PLACE_ID	number
	PLACE_HIERACHICAL_ID	number(22)
	HIERARCH_PLACE_ID	number(22)
	PLACE_REGION_PLACE_ID	number
	PLACE_EIS_PLACE_ID	number
	LOCALITY	varchar2(4000)
	KOORDINATE_PLACE_ID	number(22)
	COORDINATE_TYPE	number(22)
	COORDINATE_STRING	varchar2(512)
	ZONE	number(22)
	BELT	varchar2(5)
	DATUM	varchar2(40)
	LONGITUDE_H	number
	LATITUDE_L	number
	ALTITUDE_STRING	varchar2(40)
	ALTITUDE_UNIT	varchar2(10)
	CA_UTM	varchar2(1)
	CA_ALTITUDE	varchar2(1)
	UTM_SENERE	varchar2(1)
	MGRS_L	varchar2(15)
	MGRS_H	varchar2(15)
	LONGITUDE_L	number
	LATITUDE_H	number
	ALT_L	number
	ALT_H	number
	DEPTH_STRING	varchar2(40)
	DEPTH_L	number(22)
	DEPTH_H	number(22)
	MAP_SHEET	varchar2(40)
	ALTITUDE_OF_DEPTH_REFERENCE	number
	PRECISION	number
	ACCURACY	number
	SHAPEFILE	blob
	LAT_DIRECTION	varchar2(1)
	LONG_DIRECTION	varchar2(1)
	UTM_X	number
	UTM_Y	number
	COORDINATE_SOURCE_ID	number
	CA_DEPTH	varchar2(1)
	UTM_X_H	number
	UTM_Y_H	number
	UTM33_X	number
	UTM33_Y	number
	UTM33_X_H	number
	UTM33_Y_H	number
	COORD_EXPECTED_OUTPUT_ECHO	varchar2(1000)
	COORDINATE_STRING_ACTUAL	varchar2(512)
	ALTITUDE_EXPECTED_OUTPUT_ECHO	varchar2(1000)
	DEPTH_EXPECTED_OUTPUT_ECHO	varchar2(1000)
	DEPTH_UNIT	varchar2(10)

Table MV_PLACE_LOOKUP		
	ALTITUDE_SOURCE_ID	number
	HIERACHICAL_PLACENAME	varchar2(128)
	KOMMUNE	varchar2(128)
	FYLKE	varchar2(128)
	LAND	varchar2(128)
	REGION_PLACE_ID	number
	REGION	varchar2(3 CHAR)
	EIS_PLACE_ID	number
	EIS	varchar2(10)

Table NOTE		
* Pk	NOTE_ID	number(22)
Idx	NOTE_TEXT	varchar2(4000)
	LONG_NOTE	clob
Indexes		
	I_UPPER_NOTETEXT	NOTE_TEXT
Pk	PK_NOTE	NOTE_ID

Table OBJECT_ATTRIBUTES		
* Pk	OBJECT_ID	number
Idx	REG_DATE	date
Idx	LAST_MODIFIED	date
Idx	NUMBER_OF_SHEETS	number
	KORR_DATE	date
	APPROVED_DATE	date
	LAST_MODIFIED_BY	varchar2(32)
Idx	REG_USER	varchar2(32)
	KORR_USER	varchar2(32)
	APPROVE_USER	varchar2(32)
Idx	IS_REG	varchar2(1)
Idx	IS_CORRECTED	varchar2(1)
Idx	IS_APPROVED	varchar2(1)
Idx	DATASET	varchar2(512)
Idx	PROJECT_NAME	varchar2(512)
Idx	DUBLETTES	varchar2(512)
Idx	SAME_SHEET_AS	varchar2(1024)
	BARCODE	varchar2(1024)
	OLD_IDENTIFIER_STRING	varchar2(1024)
Idx	PREPARATION_TYPE	number
	SLIDE_TUBE	varchar2(1024)
	BOX_JAR	varchar2(1024)
	UUID	varchar2(4000)
Idx	VOUCHER	varchar2(1024)
Idx	ARTSOBS_NR	varchar2(256)
Idx	OBJECT_OWNER	number
Idx	ANALYSIS_REQUEST	varchar2(4000)
Indexes		
	I_ANALYSIS_REQUEST	ANALYSIS_REQUEST
	I_ARTSOBS_NR	ARTSOBS_NR
	I_DATASET	DATASET
	I_DUBLETTES	DUBLETTES
	I_ISAPPROVED	IS_APPROVED
	I_ISCORR	IS_CORRECTED
	I_ISREG	IS_REG

Table OBJECT_ATTRIBUTES		
	I_OA_LAST_MOD_DATE	LAST_MODIFIED
	I_OA_NUM_SHEETS	NUMBER_OF_SHEETS
	I_OA_REGDATE	REG_DATE
	I_OA_REG_BY	REG_USER
	I_OBJECT_ATTRIBUTES_PREPARATIO	PREPARATION_TYPE
	I_OBJECT_OWNER	OBJECT_OWNER
	I_PROJECT_NAME	PROJECT_NAME
	I_SAME_SHEET_AS	SAME_SHEET_AS
	I_VOUCHER	VOUCHER
Pk	PK_OBJECT_ATTRIBUTES	OBJECT_ID
Foreign Keys		
	FK_OBJECTOWNER_ACTOR (OBJECT_OWNER) ref ACTOR (ACTOR_ID)	
	FK_OBJ_ATTRS_OBJECT (OBJECT_ID) ref MUSEUM_OBJECT (OBJECT_ID)	
	FK_PREPARATION_TYPE (PREPARATION_TYPE) ref TYPES (TYPE_ID)	

Table OBJECT_HIERARCHY		
* Pk	OBJECT_HIERARCHY_ID	number
Idx	PARENT_OBJECT_ID	number(22)
Idx	CHILD_OBJECT_ID	number(22)
Idx	TYPE_ID	number(22)
Indexes		
	I_OBJECT_HIEARCHY_CHILD	CHILD_OBJECT_ID
	I_OBJECT_HIEARCHY_PARENT	PARENT_OBJECT_ID
	I_OBJECT_HIEARCHY_TYPE	TYPE_ID
Pk	PK_OBJECT_HIERARCHY	OBJECT_HIERARCHY_ID
Foreign Keys		
	BIOOBJ_SUBOBJ (CHILD_OBJECT_ID) ref MUSEUM_OBJECT (OBJECT_ID)	
	BIOOBJ_SUBOBJ2 (PARENT_OBJECT_ID) ref MUSEUM_OBJECT (OBJECT_ID)	
	TYPES_OBJECT_HIERARCHY (TYPE_ID) ref TYPES (TYPE_ID)	

Table OBSERVATION_EVENT		
* Pk	EVENT_ID	number(22)
Idx	OBSERVATION_TYPE	number(22)
Indexes		
	I_OBSERVATION_EVENT_OBSERVATIO	OBSERVATION_TYPE
Pk	PK_OBSERVATION_EVENT	EVENT_ID
Foreign Keys		
	EVENT_OBSERVATION_EVENT (EVENT_ID) ref EVENT (EVENT_ID)	
	TYPES_OBSERVATION_EVENT (OBSERVATION_TYPE) ref TYPES (TYPE_ID)	

Table PERSON_NAME		
* Pk	PERSON_NAME_ID	number(22)
Idx	ACTOR_ID	number(22)
Idx	PERSON_SURNAME	varchar2(64)
	PERSON_MIDDLE_NAME	varchar2(64)
Idx	PERSON_GIVEN_NAME	varchar2(64)
	TITLE	varchar2(64)
Idx	PERSON_NAME_TYPE	number
Indexes		
	I_PERSONNAME_ACTOR_ID	ACTOR_ID
	I_PERSONNAME_GIVENNAME	PERSON_GIVEN_NAME
	I_PERSONNAME_PERSONNAME_TYPE	PERSON_NAME_TYPE
	I_PERSONNAME_SURNAME	PERSON_SURNAME

Table PERSON_NAME		
Pk	PK_PERSONNAME	PERSON_NAME_ID
Foreign Keys		
	ACTOR_PERSON_NAME (ACTOR_ID) ref ACTOR (ACTOR_ID)	
	FK_PERSONNAME_TYPE (PERSON_NAME_TYPE) ref TYPES (TYPE_ID)	

Table PLACE		
* Pk	PLACE_ID	number(22)
Idx	PLACE_NAME_AGG	varchar2(4000)
Indexes		
	I_PLACE_PLACENAME	PLACE_NAME_AGG
Pk	PL_PLACE	PLACE_ID

Table PLACEATTR_PLACE		
* Pk	PLACEATTR_PLACE_ID	number(22)
	SAMPLE	varchar2(100)
	SHIP	varchar2(1000)
Indexes		
Pk	PK_PLACEATTR	PLACEATTR_PLACE_ID

Table PLACE_ECOLOGY_PLACE		
* Pk	PLACE_ECOLOGY_ID	number
Unq	PLACE_ID	number(22)
Unq	ECOLOGY_PLACE_ID	number(22)
Indexes		
	I_PLACE_ECOL_ECOLPLACE_ID	ECOLOGY_PLACE_ID
	I_PLACE_ECOL_PLACE_ID	PLACE_ID
Pk	PK_PLACE_ECOLOGY_PLACE	PLACE_ECOLOGY_ID
Unq	TUC_PLACE_ECOLOGY_PLACE_1	PLACE_ID, ECOLOGY_PLACE_ID
Foreign Keys		
	ECOL_PLACE_PLACE_ECOL_PLACE (ECOLOGY_PLACE_ID) ref ECOLOGY_PLACE (ECOLOGY_PLACE_ID)	
	PLACE_PLACE_ECOLOGY_PLACE (PLACE_ID) ref PLACE (PLACE_ID)	

Table PLACE_EIS_PLACE		
* Pk	PLACE_EIS_PLACE_ID	number
Idx	PLACE_ID	number
Idx	EIS_PLACE_ID	number
Indexes		
	IX_PLACE_EIS_P_EIS_PLAC	EIS_PLACE_ID
	IX_PLACE_EIS_P_PLAC	PLACE_ID
Pk	PK_PLACE_EIS_PLACE	PLACE_EIS_PLACE_ID
Foreign Keys		
	FK_PLACE_EIS_P_EIS_PLACE (EIS_PLACE_ID) ref EIS_PLACE (EIS_PLACE_ID)	
	FK_PLACE_EIS_P_PLACE (PLACE_ID) ref PLACE (PLACE_ID)	

Table PLACE_EVENT_ROLE		
* Pk	PLACE_EVENT_ROLE_ID	number
Idx	PLACE_ID	number(22)
Idx	EVENT_ID	number(22)
Idx	ROLE_ID	number(22)
Indexes		
	I_PLACE_EVENT_ROLE_EVENT_ID	EVENT_ID

Table PLACE_EVENT_ROLE		
	I_PLACE_EVENT_ROLE_PLACE_ID	PLACE_ID
	I_PLACE_EVENT_ROLE_ROLE_ID	ROLE_ID
Pk	PK_PLACE_EVENT_ROLE	PLACE_EVENT_ROLE_ID
Foreign Keys		
	EVENT_PLACE_EVENT_ROLE (EVENT_ID) ref EVENT (EVENT_ID)	
	PLACE_PLACE_EVENT_ROLE (PLACE_ID) ref PLACE (PLACE_ID)	
	ROLES_PLACE_EVENT_ROLE (ROLE_ID) ref ROLES (ROLE_ID)	

Table PLACE_HIEARCHY		
* Pk	PLACE_HIEARCHY_ID	number(22)
Unq	PARENT_PLACE_ID	number(22)
Unq	CHILD_PLACE_ID	number(22)
Indexes		
	I_PLACE_HIEARCHY_CHILD	CHILD_PLACE_ID
	I_PLACE_HIEARCHY_PARENT	PARENT_PLACE_ID
Pk	PK_PLACE_CONTAINER	PLACE_HIEARCHY_ID
Unq	UNIQUE_PLACE_HIEARCHY	PARENT_PLACE_ID, CHILD_PLACE_ID
Foreign Keys		
	PLACE_CONTAINER_REL (CHILD_PLACE_ID) ref PLACE (PLACE_ID)	
	PLACE_PLACECONTAINER_REL (PARENT_PLACE_ID) ref PLACE (PLACE_ID)	

Table PLACE_HIERACHICAL_PLACE		
* Pk	PLACE_HIERACHICAL_ID	number(22)
Idx	PLACE_ID	number(22)
Idx	HIERACHICAL_PLACE_ID	number(22)
*	SEQUENCE_NUMBER	number
Indexes		
	I_PLACE_HP_HP	HIERACHICAL_PLACE_ID
	I_PLACE_HP_PLACE	PLACE_ID
Pk	PK_PLACE_HIERACHICAL_PLACE	PLACE_HIERACHICAL_ID
Foreign Keys		
	FK_PLACE_HP_PLACE (PLACE_ID) ref PLACE (PLACE_ID)	

Table PLACE_HOST		
* Pk	PLACE_HOST_ID	number
Idx	PLACE_ID	number
Idx	HOST_ID	number
Indexes		
	I_PLACE_HOST_HOST	HOST_ID
	I_PLACE_HOST_PLACE	PLACE_ID
Pk	PK_PLACE_HOST	PLACE_HOST_ID
Foreign Keys		
	FK_PLACE_HOST_HOST (HOST_ID) ref HOST_PLACE (HOST_ID)	
	FK_PLACE_HOST_PLACE (PLACE_ID) ref PLACE (PLACE_ID)	

Table PLACE_INDEXED_LOCALITY		
* Pk	PLACE_INDLOC_ID	number
Unq	PLACE_ID	number(22)
Unq	INDEXED_LOC_PLACE_ID	number(22)
Indexes		
	I_PLACE_INDEXED_LOCALITY_INDEX	INDEXED_LOC_PLACE_ID
Pk	PK_PLACE_INDEXED_LOCALITY	PLACE_INDLOC_ID
Unq	TUC_PLACE_INDEXED_LOCALITY_1	PLACE_ID, INDEXED_LOC_PLACE_ID

Table PLACE_INDEXED_LOCALITY		
Foreign Keys		
	IND_LOC_PLACE_IND_LOC (INDEXED_LOC_PLACE_ID) ref INDEXED_LOCALITY (INDEXED_LOC_PLACE_ID)	
	PLACE_PLACE_INDEXED_LOCALITY (PLACE_ID) ref PLACE (PLACE_ID)	

Table PLACE_LOCALITY_PLACE		
* Pk	PLACE_LOCPLACE_ID	varchar2(40)
Unq	PLACE_ID	number(22)
Unq	LOCALITY_PLACE_ID	number(22)
Indexes		
	I_PLACELOCPLACE_LOCPL_ID	LOCALITY_PLACE_ID
	I_PLACELOCPLACE_PL_ID	PLACE_ID
Pk	PK_PLACE_LOCALITY_PLACE	PLACE_LOCPLACE_ID
Unq	TUC_PLACE_LOCALITY_PLACE_1	PLACE_ID, LOCALITY_PLACE_ID
Foreign Keys		
	LOC_PLACE_PLACE_LOC_PLACE (LOCALITY_PLACE_ID) ref LOCALITY_PLACE (LOCALITY_PLACE_ID)	
	PLACE_PLACE_LOCALITY_PLACE (PLACE_ID) ref PLACE (PLACE_ID)	

Table PLACE_OBJECT_ROLE		
* Pk	PLACE_OBJECT_ROLE_ID	number(22)
Unq	OBJECT_ID	number(22)
Unq	PLACE_ID	number(22)
Unq	ROLE_ID	number(22)
Indexes		
	I_PLACE_OBJ_ROLE_OBJ	OBJECT_ID
	I_PLACE_OBJ_ROLE_PLACE	PLACE_ID
	I_PLACE_OBJ_ROLE_ROLE	ROLE_ID
Pk	PK_PLACE_OBJECT_ROLE	PLACE_OBJECT_ROLE_ID
Unq	UNIQUE_OBJECT_PLACE_ROLE	OBJECT_ID, PLACE_ID, ROLE_ID
Foreign Keys		
	MUS_OBJ_PLACE (OBJECT_ID) ref MUSEUM_OBJECT (OBJECT_ID)	
	PLACE_PLACE_OBJECT_ROLE (PLACE_ID) ref PLACE (PLACE_ID)	
	ROLES_PLACE_OBJECT_ROLE (ROLE_ID) ref ROLES (ROLE_ID)	

Table PLACE_PLACEATTR_PLACE		
* Pk	PLACE_PLACEATTR_PLACE_ID	number(22)
	PLACE_ID	number(22)
	PLACEATTR_PLACE_ID	number(22)
Indexes		
Pk	PK_PLACE_PLACEATTR_PLACE_ID	PLACE_PLACEATTR_PLACE_ID
Foreign Keys		
	PLACE_PLACEATTR_PLACE_PLACE (PLACE_ID) ref PLACE (PLACE_ID)	
	PLACEATTR_PLACE_P_PATTR_PLACE (PLACEATTR_PLACE_ID) ref PLACEATTR_PLACE (PLACEATTR_PLACE_ID)	

Table PLACE_REGION_PLACE		
* Pk	PLACE_REGION_PLACE_ID	number
Idx	PLACE_ID	number
Idx	REGION_PLACE_ID	number
Indexes		
	I_PLACE_REGION_PLACE_PLACE_ID	PLACE_ID
	I_PLACE_REGION_PLACE_REGION_PL	REGION_PLACE_ID
Pk	PK_PLACE_REGION_PLACE	PLACE_REGION_PLACE_ID

Table PLACE_REGION_PLACE		
Foreign Keys		
	FK_PLACE_RP_PLACE (PLACE_ID) ref PLACE (PLACE_ID)	
	FK_PLACE_RP_RG (REGION_PLACE_ID) ref REGION_PLACE (REGION_PLACE_ID)	

Table PLACE_REVISION		
* Pk	EVENT_ID	number(22)
Idx	OLD_KOORDINATE_PLACE	number(22)
Idx	NEW_KOORDINATE_PLACE	number(22)
Idx	PLACE_REVISION_TYPE	number
Indexes		
	I_PLACE_REVISION_NEW_KOORDINAT	NEW_KOORDINATE_PLACE
	I_PLACE_REVISION_OLD_KOORDINAT	OLD_KOORDINATE_PLACE
	I_PLACE_REVISION_PLACE_REVISIO	PLACE_REVISION_TYPE
Pk	PK_PLACE_REVISION	EVENT_ID
Foreign Keys		
	EVENT_PLACE_REVISION (EVENT_ID) ref EVENT (EVENT_ID)	
	KOORDPL_PLACEREV (OLD_KOORDINATE_PLACE) ref KOORDINATE_PLACE (KOORDINATE_PLACE_ID)	
	KOORD_PL_PLACEREV (NEW_KOORDINATE_PLACE) ref KOORDINATE_PLACE (KOORDINATE_PLACE_ID)	
	FK_PLACE_REV_TYPE (PLACE_REVISION_TYPE) ref TYPES (TYPE_ID)	

Table PLACE_STATION_PLACE		
* Pk	PLACE_STATION_PLACE_ID	number
* Idx	STATION_ID	number
* Idx	PLACE_ID	number
Indexes		
	I_PLACE_STATION_PLACE	PLACE_ID
	I_PLACE_STATION_STATION	STATION_ID
Pk	PK_PLACE_STATION_PLACE	PLACE_STATION_PLACE_ID
Foreign Keys		
	FK_PLACE_STATION_PLACE (PLACE_ID) ref PLACE (PLACE_ID)	
	FK_PLACE_STATION_STATION (STATION_ID) ref STATION_PLACE (STATION_ID)	

Table PLACE_STORING_PLACE		
* Pk	PLACE_STORINGPLACE_ID	number(22)
Unq	PLACE_ID	number(22)
Unq	STORING_PLACE_ID	number(22)
Indexes		
	I_PLACE_STORING_PLACE_STORING_	STORING_PLACE_ID
Pk	PK_PLACE_STORING_PLACE	PLACE_STORINGPLACE_ID
Unq	TUC_PLACE_STORING_PLACE_1	PLACE_ID, STORING_PLACE_ID
Foreign Keys		
	PLACE_PLACE_STORING_PLACE (PLACE_ID) ref PLACE (PLACE_ID)	
	STOR_PLACE_PLACE_STOR_PLACE (STORING_PLACE_ID) ref STORING_PLACE (STORING_PLACE_ID)	

Table POINTS		
* Pk	POINT_ID	number(22)
	SEQUENCE_NUMBER	number(22)
	X_VALUE	number(22)
	Y_VALUE	number(22)
	Z_VALUE	number(22)
Idx	KOORDINATE_PLACE_ID	number(22)

Table POINTS		
Indexes		
	I_POINTS_COORD	KOORDINATE_PLACE_ID
Pk	PK_POINTS	POINT_ID
Foreign Keys		
	KOORDINATE_PLACE_POINTS (KOORDINATE_PLACE_ID) ref KOORDINATE_PLACE (KOORDINATE_PLACE_ID)	

Table REFERENCE_DOCUMENT		
* Pk	DOCUMENT_ID	number(22)
Idx	DOCUMENT_TYPE_ID	number(22)
	DOCUMENT_TEXT	clob
Idx	DOCUMENT_TITLE	varchar2(256)
	DOCUMENT_FILE	blob
	DOCUMENT_REFERENCE	varchar2(1024)
Indexes		
	I_DOCUMENT_DOCTITLE	DOCUMENT_TITLE
	I_DOCUMENT_DOCTYPE	DOCUMENT_TYPE_ID
Pk	PK_DOCUMENT	DOCUMENT_ID
Foreign Keys		
	TYPES_REFERENCE_DOCUMENT (DOCUMENT_TYPE_ID) ref TYPES (TYPE_ID)	

Table REGION_PLACE		
* Pk	REGION_PLACE_ID	number
	REGION	varchar2(3 CHAR)
Indexes		
Pk	PK_REGION	REGION_PLACE_ID

Table ROLES		
* Pk	ROLE_ID	number(22)
Idx	ROLETERM	varchar2(64)
	DESCRIPTION	varchar2(128)
Idx	PARENT_ROLE	number(22)
Indexes		
	I_PARENT_ROLE	PARENT_ROLE
	I_ROLETERM	ROLETERM
Pk	PK_ROLES	ROLE_ID
Foreign Keys		
	ROLES_ROLES (PARENT_ROLE) ref ROLES (ROLE_ID)	

Table STATION_PLACE		
* Pk	STATION_ID	number
Idx	STATION_NUMBER	varchar2(128)
Indexes		
	I_STATION_NUMBER	STATION_NUMBER
Pk	PK_STATION_PLACE	STATION_ID

Table STORING_PLACE		
* Pk	STORING_PLACE_ID	number(22)
Idx	STORINGPLACE_TYPE	number(22)
Idx	STORINGPLACE_PARTOF	number(22)
Idx	STORINGPLACE_NAME	varchar2(128)
Idx	STORINGPLACE_CODE	varchar2(20)

Table STORING_PLACE		
Idx	KOORDINATE_PLACE_ID	number(22)
Indexes		
	I_STORINGPLACENAME	STORINGPLACE_NAME
	I_STORINGPLACE_CODE	STORINGPLACE_CODE
	I_STORINGPLACE_STORING_PARTOF	STORINGPLACE_PARTOF
	I_STORINGPLACE_TYPE	STORINGPLACE_TYPE
	I_STORING_PLACE_KOORDINATE_PLA	KOORDINATE_PLACE_ID
Pk	PK_STORINGPLACE	STORING_PLACE_ID
Foreign Keys		
	KOORDINATE_PLACE_STORING_PLACE (KOORDINATE_PLACE_ID) ref KOORDINATE_PLACE (KOORDINATE_PLACE_ID)	
	STORING_PLACE_STORING_PLACE (STORINGPLACE_PARTOF) ref STORING_PLACE (STORING_PLACE_ID)	
	TYPES_STORING_PLACE (STORINGPLACE_TYPE) ref TYPES (TYPE_ID)	

Table TAXON		
* Pk	TAXON_ID	integer
Idx	VALID_LATIN_NAME_ID	integer
Idx	ADB_TAXON_ID	integer
Indexes		
	I_ADB_LATNAVN	ADB_TAXON_ID
	I_VALID_LATIN_NAME	VALID_LATIN_NAME_ID
Pk	PK_TAXON	TAXON_ID
Foreign Keys		
	LATIN_NAMES_TAXON (VALID_LATIN_NAME_ID) ref LATIN_NAMES (LATIN_NAME_ID)	

Table TAXON_CATHEGORY		
* Pk	TAX_CATH_ID	integer
Idx	TAX_CATH_CODE	varchar2(3)
	TAX_CATH_NAME	varchar2(40)
	TAX_CATH_ABBREV	varchar2(10)
	ADB_KATEGORINAVN	varchar2(40)
Indexes		
	I_TAXONCATH_CODE	TAX_CATH_CODE
Pk	PK_TAXON_CATH	TAX_CATH_ID

Table TIMESPAN		
* Pk	TIMESPAN_ID	number(22)
Idx	FROM_DATE	date
Idx	TO_DATE	date
Idx	TIME_AS_TEXT	varchar2(128)
Idx	UNCERTAIN	varchar2(5)
Idx	INTERPRETED	varchar2(5)
Indexes		
	I_TIMESPAN_FROMDATE	FROM_DATE
	I_TIMESPAN_INTERPRET	INTERPRETED
	I_TIMESPAN_PERIOD	TIME_AS_TEXT
	I_TIMESPAN_TODATE	TO_DATE
	I_TIMESPAN_UNCERT	UNCERTAIN
Pk	PK_TIMESPAN	TIMESPAN_ID

Table TMP_COPY_TAXON		
*	CLASS_TERM_ID	number

Table TMP_COPY_TAXON		
*	LATIN_NAME_ID	number
	PRECISION_CODE	varchar2(10)
	TAXON_CATHEGORY	number
	RELATION	number

Table TMP_KOORDINATES		
	KOORDINATE_PLACE_ID	number(22)
	COORDINATE_STRING	varchar2(512)
	VALIDATE_STATUS	varchar2(4000)
	TYPE	varchar2(19)
	FAG	varchar2(30)
	MUSEUM	varchar2(64)
	REGNR	number(22)
	MGRS_L	varchar2(4000)
	MGRS_H	varchar2(15)
	ZONE	number(22)
	BELT	varchar2(5)
	DATUM	varchar2(40)
	LATITUDE_L	number
	LATITUDE_H	number
	LONGITUDE_L	number
	LONGITUDE_H	number
	LONG_DEG	varchar2(2048)
	LONG_MIN	varchar2(2048)
	LONG_SEK	varchar2(2048)
	LAT_DEG	varchar2(2048)
	LAT_MIN	varchar2(2048)
	LAT_SEK	varchar2(2048)
	UTM_X	varchar2(4000)
	UTM_X_H	varchar2(4000)
	UTM_Y	varchar2(2048)
	UTM_Y_H	varchar2(2048)
	NY_COORD_STRING	varchar2(4000)

Table TMP_KOORDINATES_ERROR		
	COUNT	number
	COORDINATE_STRING	varchar2(512)
	NY_COORD_STRING	varchar2(4000)
	ZONE	number(22)
	BELT	varchar2(5)
	ERR	number
	ECHO	varchar2(512)

Table TMP_KOORDINATES_ERR_ECHO		
	COUNT	number
	COORDINATE_STRING	varchar2(512)
	NY_COORD_STRING	varchar2(4000)
	ZONE	number(22)
	BELT	varchar2(5)
	ERR	number
	ECHO	varchar2(4000)

Table TMP_LOOKUP_LOCALITY		
	R	number
	HIERARCH_PLACE_ID	number
	COUNTRY	varchar2(128)
	STATEPROVINCE	varchar2(128)
	COUNTY	varchar2(128)
	LOCALITY	varchar2(4000)
	COORDINATE_STRING	varchar2(512)
	ZONE	number(22)
	BELT	varchar2(5)
	DATUM	varchar2(40)
	LONGITUDE_H	number
	LATITUDE_L	number
	ALTITUDE_STRING	varchar2(40)
	ALTITUDE_UNIT	varchar2(10)
	CA_UTM	varchar2(1)
	CA_ALTITUDE	varchar2(1)
	UTM_SENERE	varchar2(1)
	MGRS_L	varchar2(15)
	MGRS_H	varchar2(15)
	LONGITUDE_L	number
	LATITUDE_H	number
	ALT_L	number
	ALT_H	number
	DEPTH_STRING	varchar2(40)
	DEPTH_L	number(22)
	DEPTH_H	number(22)
	MAP_SHEET	varchar2(40)
	ALTITUDE_OF_DEPTH_REFERENCE	number
	PRECISION	number
	ACCURACY	number
	LAT_DIRECTION	varchar2(1)
	LONG_DIRECTION	varchar2(1)
	UTM_X	number
	UTM_Y	number
	COORDINATE_SOURCE_ID	number
	REGION_PLACE_ID	number
	EIS	varchar2(100)
	CA_DEPTH	varchar2(1)

Table TMP_OBJECT_IDS_FOR_LABELS		
Idx	OBJECT_ID	number
Indexes		
	I_TMP_OBJECT_LABELS	OBJECT_ID

Table TMP_OBJECT_OPERATIONS		
	OBJECT_ID	integer
	IDENTIFIER_NUM	integer
	IDENTIFIER_STRING	varchar2(255)
	OPERATION_UUID	varchar2(255)
	DATA	clob
	ID1	integer
	VALUE_1	varchar2(4000)
	LOGDATE	timestamp(6)
	VALUE_2	varchar2(4000)

Table TMP_OBJECT_OPERATIONS		
	VALUE_3	varchar2(4000)

Table TMP_ROLES		
*	ROLE_ID	number(22)
	ROLETERM	varchar2(64)
	DESCRIPTION	varchar2(128)
	PARENT_ROLE	number(22)

Table TMP_TAXONNAME		
	TMP_TAXONNAME	varchar2(250)
	TMP_PRECISIONCODE	varchar2(50)
	TMP_PRECISIONTAXTYPE	varchar2(50)
	TMP_LATIN_NAME	number
	TMP_RELATIONTYPE	varchar2(15)
	TMP_GENUS_NAME	varchar2(100)
	TMP_SPECIES_NAME	varchar2(100)
	TMP_INFRASPESNAME	varchar2(100)

Table TMP_TAXONRESULTS		
	TMP_LATIN_NAME	number
	TMP_NAME_WITH_AUTHOR	varchar2(250)
	TMP_VALID_NAME	varchar2(250)
	TMP_SEARCHNAME	varchar2(250)

Table TMP_TAXON_COUNT		
	TAXONNAME	varchar2(250)
	ANTALL	integer

Table TMP_TAXON_OLD_NEW		
*	OLD_TAXON_ID	number
*	NEW_TAXON_ID	number

Table TMP_TYPEEKS_OLD_NEW		
*	OLD_TYPEKS_ID	number
*	NEW_TYPEEKS_ID	number

Table TMP_TYPES		
*	TYPE_ID	number(22)
	TYPETERM	varchar2(64)
	TYPE_ID_BROADER	number(22)

Table TMP_USER_ROLES		
	USERNAME	varchar2(30)
*	USR	varchar2(100)
	GRUPPE	varchar2(30)
*	NAMN	varchar2(100)
	ADRESSE	varchar2(4000)
	EPOST	varchar2(500)
	TELEFON	varchar2(50)
	KOMMENTAR	varchar2(4000)

Table TMP_USER_ROLES		
*	INSTITUSJON	varchar2(100)
	FORKLARING	varchar2(4000)

Table TMP_VIEW_ROLES		
*	VIEW_NAME	varchar2(32)
	OBJECT_ID	number

Table TYPES		
* Pk	TYPE_ID	number(22)
Idx	TYPETERM	varchar2(64)
Idx	TYPE_ID_BROADER	number(22)
Indexes		
	I_TYPETERM_BROADER	TYPE_ID_BROADER
	I_TYPE_TYPETERM	TYPETERM
Pk	PK_TYPES	TYPE_ID
Foreign Keys		
	TYPES_TYPES (TYPE_ID_BROADER) ref TYPES (TYPE_ID)	

Table TYPES_NOTE		
* Pk	TYPE_NOTE_ID	number
Unq	TYPE_ID	number
Unq	NOTE_TYPE_ID	number
Idx	NOTE_ID	number
Indexes		
	I_TYPES_NOTE_NOTE_ID	NOTE_ID
	I_TYPES_NOTE_NOTE_TYPE_ID	NOTE_TYPE_ID
Pk	PK_TYPE_NOTE	TYPE_NOTE_ID
Unq	TYPE_NOTE2	TYPE_ID, NOTE_TYPE_ID
Foreign Keys		
	NOTE_TYPE_NOTE (NOTE_ID) ref NOTE (NOTE_ID)	
	TYPES_TYPE_NOTE (NOTE_TYPE_ID) ref TYPES (TYPE_ID)	
	TYPE_TYPE_NOTE (TYPE_ID) ref TYPES (TYPE_ID)	

Table TYPE_SPECIMEN		
* Pk	TYPE_SPEC_ID	integer
Idx	TAXON_ID	integer
Idx	ADB_TYPESPEC_ID	integer
Indexes		
	I_ADB_TYPESPEC_ID	ADB_TYPESPEC_ID
	I_TYPESPEC_TAXON	TAXON_ID
Pk	PK_TYPE_SPECIMEN	TYPE_SPEC_ID
Foreign Keys		
	TAXON_TYPE_SPECIMEN (TAXON_ID) ref TAXON (TAXON_ID)	

Table TYPIFICATION_EVENT		
* Pk	EVENT_ID	number(22)
Idx	TYPIFICATION_TYPE_ID	number(22)
	TAXON_ID	varchar2(40)
	TYPE_STATUS	varchar2(40)
	TYPE_NUMBER	varchar2(1024)
Indexes		
	I_TYPIFICATION_EVENT_TYPIFICAT	TYPIFICATION_TYPE_ID

Table TYPIFICATION_EVENT		
Pk	PK_TYPIFICATION_EVENT	EVENT_ID
Foreign Keys		
	EVENT_TYPIFICATION_EVENT (EVENT_ID) ref EVENT (EVENT_ID)	
	TYPES_TYPIFICATION_EVENT (TYPIFICATION_TYPE_ID) ref TYPES (TYPE_ID)	

Table USER_COLLECTION_SEQS		
* Idx	USERNAME	varchar2(32)
*	SEQUENCENAME	varchar2(32)
* Idx	COLLECTION_ID	number
	LOW_VAL	number
	HIGH_VAL	number
	FINISH_DATE	date
* Pk	NR	number
	LAST_VALUE	number
	ZZSUBCOLLECTION	varchar2(3)
	SUB_COLLECTION_ID	number
Indexes		
	I_USERNAME	USERNAME
	I_USER_COLL	COLLECTION_ID
Pk	PK_USER_COLL_SEQ	NR
Foreign Keys		
	FK_USERSEQ_COLL (COLLECTION_ID) ref MUSEUM_OBJECT (OBJECT_ID)	

Table XML_TAXON		
	XML_TAXON_ID	number
	XML_RESULT	xmltype
	SEARCH_STRING	varchar2(255)

Table XML_TAXON_RESULT		
	XML_TAXON_RESULT_ID	number
	LATINSKNAVNID	number
	RIKE	varchar2(256)
	MAGNOLIOPHYTA	varchar2(256)
	KLASSE	varchar2(256)
	ORDEN	varchar2(256)
	FAMILIE	varchar2(256)
	SLEKT	varchar2(256)
	ART	varchar2(256)
	VITENSKAPLIGNAVN	varchar2(256)
	AUTORSTRENG	varchar2(256)

Table XML_TAXON_RESULT_ALL		
	XML_TAXON_RESULT_ID	number
	LATINSKNAVNID	number
	RIKE	varchar2(256)
	MAGNOLIOPHYTA	varchar2(256)
	KLASSE	varchar2(256)
	ORDEN	varchar2(256)
	FAMILIE	varchar2(256)
	SLEKT	varchar2(256)
	ART	varchar2(256)
	VITENSKAPLIGNAVN	varchar2(256)
	AUTORSTRENG	varchar2(256)

Eksempel på Darwin Core-eksport av en mosepost/et moseobjekt	
Darwin Core-kode (/https://dwc.tdwg.org/)	**Eksempel**
dcterms:modified	15.06.2016
institutionCode	O
collectionCode	B
basisOfRecord	Preserved specimen
catalogNumber	108/1
scientificName	Hookeria lucens
scientificNameAuthorship	(Hedw.) Sm.
kingdom	Plantae
phylum	Bryophyta
class	Bryopsida
order	Hookeriales
family	Hookeriaceae
genus	Hookeria
specificEpithet	
infraspecificEpithet	
identifiedBy	N. Wulfsberg
dateIdentified	1874-08-20
typeStatus	
recordNumber	
fieldNumber	
recordedBy	N. Wulfsberg
eventDate	1874-08-20
continent	
country	Norway
stateProvince	Vestland
county	Tysnes
locality	Tysnes
decimalLongitude	
decimalLatitude	
coordinateUncertaintyInMeters	
verbatimElevation	497537
verbatimDepth	
sex	
lifeStage	
preparations	
individualCount	
otherCatalogNumbers	
occurrenceRemarks	
samplingProtocol	
identificationQualifier	
habitat	
associatedTaxa	
georeferenceRemarks	OR
verbatimCoordinates	
verbatimSRS	

associatedMedia	http://www.unimus.no/felles/bilder/web_hent_bilde.php?id=14516887&type=jpeg
CreativeCommonsLicense	http://creativecommons.org/licenses/by-sa/4.0/
ArtObsID	
occurrenceID	
UTMsone	
UTMX	
UTMY	
datasetName	
createdDate	28.02.1997 00:00
bioGeoRegion	Hordaland
recordedById	https://www.wikidata.org/wiki/Q16650632
identifiedById	https://www.wikidata.org/wiki/Q16650632

Marine evertebrat-eksempel i JSON-format (benyttet til intern flytting av data)


```
{
    "jobTypeName": "ntnu_vm_mi",
    "museumObjects": [
        {
            "museumObject": {
                "object": {
                    "OBJECT_ID": 1317753,
                    "MUSEUM_OBJECT_TYPE": 29,
                    "IDENTIFIER_NUM": 1406,
                    "IDENTIFIER_STRING": "NTNU-VM-MI-Dry-1406",
                    "LONG_NAME": "MI object nr Dry-1406 ved NTNU-VM MUSEUM",
                    "PARENT_OBJECT_ID": 1128113,
                    "LAST_EDITED": "2017-12-20T22:00:00.000Z",
                    "LAST_EDIT_BY": "VIDARBA",
                    "MEDIAGRUPPE_ENHETS_ID": null,
                    "SUB_NUMBER": null,
                    "SUB_COLLECTION_ID": 1128114
                },
                "refs": {
                    "museum": {
                        "IDENTIFIER_STRING": "NTNU-VM"
                    },
```

"collection": {
    "IDENTIFIER_STRING": "MI"
},
"subcollection": {
    "IDENTIFIER_STRING": "DRY"
},
"objectAttributes": {
    "object": {
        "OBJECT_ID": 1317753,
        "REG_DATE": "2002-01-10T22:00:00.000Z",
        "LAST_MODIFIED": "2002-01-22T22:00:00.000Z",
        "NUMBER_OF_SHEETS": 1,
        "KORR_DATE": "2002-01-22T22:00:00.000Z",
        "APPROVED_DATE": null,
        "LAST_MODIFIED_BY": "Hermanstad, Stig Arve",
        "REG_USER": "Hermanstad, Stig Arve",
        "KORR_USER": null,
        "APPROVE_USER": null,
        "IS_REG": "1",
        "IS_CORRECTED": "1",
        "IS_APPROVED": "1",
        "DATASET": "Norsk samling (Marine bunndyr)",
        "PROJECT_NAME": null,

"DUBLETTES": null,
"SAME_SHEET_AS": null,
"BARCODE": null,
"OLD_IDENTIFIER_STRING": "-1",
"PREPARATION_TYPE": 235,
"SLIDE_TUBE": null,
"BOX_JAR": "30",
"UUID": "6D24C563-8798-4350-8DCE-13B265BE6E14",
"VOUCHER": null,
"ARTSOBS_NR": null,
"OBJECT_OWNER": null,
"ANALYSIS_REQUEST": null
},
"refs": {
"preparationType": {
"TYPE_ID": 235,
"TYPETERM": "Dried",
"TYPE_ID_BROADER": 122
}
}
},
"eventMuseumObjects": [
{

"object": {
"EVENT_MUSEUM_OBJECT_ID": 6153875,
"EVENT_ID": 6155290,
"OBJECT_ID": 1317753,
"SEQUENCE_NUMBER": 1,
"PREV_EVENT_FOR_OBJEKT": null
},
"refs": {
"event": {
"object": {
"EVENT_ID": 6155290,
"EVENTNAME": null,
"TIMESPAN_ID": 2301950,
"EVENT_TYPE": 77
},
"refs": {
"timespan": {
"TIMESPAN_ID": 2301950,
"FROM_DATE": null,
"TO_DATE": null,
"TIME_AS_TEXT": "Undated",
"UNCERTAIN": null,
"INTERPRETED": "0"

```
},
"eventType": {
    "TYPE_ID": 77,
    "TYPETERM": "Innsamlingshendelse",
    "TYPE_ID_BROADER": 51
},
"collectingEvent": {
    "object": {
        "EVENT_ID": 6155290,
        "COLLECTIONTYPE_ID": 77,
        "LEGNAME_ORIG": null,
        "AGG_PERSONNAMES": null,
        "COLLECTING_METHOD_ID": null,
        "COLLECTING_METHOD_DETAILS": null
    },
    "refs": {
        "collectionType": {
            "TYPE_ID": 77,
            "TYPETERM": "Innsamlingshendelse",
            "TYPE_ID_BROADER": 51
        }
    }
},
```

"placeEventRoles": [
{
"object": {
"PLACE_EVENT_ROLE_ID": 1401125,
"PLACE_ID": 1401125,
"EVENT_ID": 6155290,
"ROLE_ID": 21
},
"refs": {
"role": {
"ROLE_ID": 21,
"ROLETERM": "Funnsted",
"DESCRIPTION": null,
"PARENT_ROLE": 17
},
"locality": {
"PLACE_LOCPLACE_ID": "1390402",
"PLACE_ID": 1401125,
"LOCALITY_PLACE_ID": 1390402,
"LOCALITY": "Frohavet ytre nord Osen"
},
"hierarchicalPlace": {
"object": {

"PLACE_HIERACHICAL_ID": 1365749,
"PLACE_ID": 1401125,
"SEQUENCE_NUMBER": 1,
"HIERARCH_PLACE_ID": 4704,
"HIERACHICAL_TYPE": 42,
"PLACE_ID_PARTOF": 4317,
"HIERACHICAL_PLACENAME": "Osen",
"KOORDINATE_PLACE_ID": null,
"OLD_PLACE_ID_PARTOF": null
},
"refs": {
"hierachicalType": {
"TYPE_ID": 42,
"TYPETERM": "Kommune",
"TYPE_ID_BROADER": 38
}
}
},
"coordinatePlace": {
"object": {
"KOORDINATEPLACE_PLACE_ID": 1400541,
"PLACE_ID": 1401125,
"KOORDINATE_PLACE_ID": 1435080,

"COORDINATE_TYPE": 252,

"COORDINATE_STRING": "NS 73000,31000",

"ZONE": 32,

"BELT": "W",

"DATUM": "WGS84",

"LONGITUDE_H": null,

"LATITUDE_L": null,

"ALTITUDE_STRING": null,

"ALTITUDE_UNIT": null,

"CA_UTM": "0",

"CA_ALTITUDE": "0",

"UTM_SENERE": "0",

"MGRS_L": "NS 73000, 31000",

"MGRS_H": null,

"LONGITUDE_L": null,

"LATITUDE_H": null,

"ALT_L": null,

"ALT_H": null,

"DEPTH_STRING": null,

"DEPTH_L": null,

"DEPTH_H": null,

"MAP_SHEET": null,

"ALTITUDE_OF_DEPTH_REFERENCE": null,

"PRECISION": 100,
"ACCURACY": null,
"SHAPEFILE": null,
"LAT_DIRECTION": null,
"LONG_DIRECTION": null,
"UTM_X": null,
"UTM_Y": null,
"COORDINATE_SOURCE_ID": 164,
"CA_DEPTH": "0",
"UTM_X_H": null,
"UTM_Y_H": null,
"UTM33_X": null,
"UTM33_Y": null,
"UTM33_X_H": null,
"UTM33_Y_H": null,
"COORD_EXPECTED_OUTPUT_ECHO": "32W NS 73000,31000",
"COORDINATE_STRING_ACTUAL": "NS 73000,31000",
"ALTITUDE_EXPECTED_OUTPUT_ECHO": null,
"DEPTH_EXPECTED_OUTPUT_ECHO": null,
"DEPTH_UNIT": null,
"ALTITUDE_SOURCE_ID": null
},
"refs": {

"coordinateType": {
"TYPE_ID": 252,
"TYPETERM": "MGRS",
"TYPE_ID_BROADER": 251
},
"coordinateSource": {
"TYPE_ID": 164,
"TYPETERM": "Norgesglasset",
"TYPE_ID_BROADER": 147
}
}
}
}
}
],
"eventRolePersonNames": [
{
"object": {
"EVENT_PERSON_NAME_ROLE_ID": 2644462,
"EVENT_ID": 6155290,
"ROLE_ID": 10,
"PERSON_NAME_ID": 14180,
"SORTING_SEQUENCE": 1

```
},
"refs": {
    "role": {
        "ROLE_ID": 10,
        "ROLETERM": "Leg",
        "DESCRIPTION": null,
        "PARENT_ROLE": 7
    },
    "personName": {
        "object": {
            "PERSON_NAME_ID": 14180,
            "ACTOR_ID": 13924,
            "PERSON_SURNAME": "Taraldsen",
            "PERSON_MIDDLE_NAME": null,
            "PERSON_GIVEN_NAME": "Trygve",
            "TITLE": null,
            "PERSON_NAME_TYPE": 229
        },
        "refs": {
            "actor": {
                "object": {
                    "ACTOR_ID": 13924,
                    "ACTOR_TYPE": 23,
```

"ACTORNAME": "Taraldsen, Trygve",
"VALID_PERSON_NAME_ID": 14180,
"GROUP_MEMBER_NAMES": null,
"BIRTHDATE": null,
"DEATHDATE": null,
"ADRESS": null,
"POSTAL_ADDRESS": null,
"EMAIL_ADDRESS": null,
"PHONE_NUMBER": null,
"INSTITUTION": null,
"GENDER": null,
"URL": null,
"URL_NOTE": null,
"NOTE": null
},
"refs": {
"validPersonName": {
"object": {
"PERSON_NAME_ID": 14180,
"ACTOR_ID": 13924,
"PERSON_SURNAME": "Taraldsen",
"PERSON_MIDDLE_NAME": null,
"PERSON_GIVEN_NAME": "Trygve",

"TITLE": null,
"PERSON_NAME_TYPE": 229
}
},
"actorType": {
"TYPE_ID": 23,
"TYPETERM": "Person",
"TYPE_ID_BROADER": 22
}
}
}
}
}
}
]
}
}
}
},
{
"object": {
"EVENT_MUSEUM_OBJECT_ID": 6153876,

"EVENT_ID": 6155291,
"OBJECT_ID": 1317753,
"SEQUENCE_NUMBER": 2,
"PREV_EVENT_FOR_OBJEKT": 6155290
},
"refs": {
"event": {
"object": {
"EVENT_ID": 6155291,
"EVENTNAME": "Place rev for 1317753",
"TIMESPAN_ID": 2301951,
"EVENT_TYPE": 79
},
"refs": {
"timespan": {
"TIMESPAN_ID": 2301951,
"FROM_DATE": "2017-12-21",
"TO_DATE": "2017-12-21",
"TIME_AS_TEXT": "21.12.2017",
"UNCERTAIN": null,
"INTERPRETED": "0"
},
"eventType": {

```
                "TYPE_ID": 79,
                "TYPETERM": "Place revision",
                "TYPE_ID_BROADER": 51
            }
        }
    }
}
},
{
    "object": {
        "EVENT_MUSEUM_OBJECT_ID": 6153877,
        "EVENT_ID": 6155292,
        "OBJECT_ID": 1317753,
        "SEQUENCE_NUMBER": 3,
        "PREV_EVENT_FOR_OBJEKT": 6155291
    },
    "refs": {
        "event": {
            "object": {
                "EVENT_ID": 6155292,
                "EVENTNAME": null,
                "TIMESPAN_ID": 2301952,
                "EVENT_TYPE": 66
```

```
},
"refs": {
    "timespan": {
        "TIMESPAN_ID": 2301952,
        "FROM_DATE": "1977-01-01",
        "TO_DATE": "1977-12-31",
        "TIME_AS_TEXT": "1977",
        "UNCERTAIN": "N",
        "INTERPRETED": "0"
    },
    "eventType": {
        "TYPE_ID": 66,
        "TYPETERM": "Bestemmelseshendelse",
        "TYPE_ID_BROADER": 51
    },
    "classificationEvent": {
        "object": {
            "EVENT_ID": 6155292,
            "CLASSIFICATION_TYPE_ID": 68,
            "CLASS_TERM_ID": 1428880,
            "GENDER_CLASS_TERM_ID": null,
            "DETNAME_ORIG": null,
            "AGG_PERSONNAMES": null
```

```
},
"refs": {
    "classificationType": {
        "TYPE_ID": 68,
        "TYPETERM": "Originalbestemmelse",
        "TYPE_ID_BROADER": 66
    },
    "classTerm": {
        "object": {
            "CLASS_TERM_ID": 1428880,
            "CLASSTERM": "Bittium reticulatum (da Costa, 1778)",
            "ENTERED_CLASSTERM": "Bittium reticulatum",
            "VALID_CLASSTERM": "Bittium reticulatum (da Costa, 1778)",
            "INFRASPES_RANK": null,
            "INFRASPES_NAME": null,
            "SENSU_TERM": null
        },
        "refs": {
            "classtermLatinName": {
                "object": {
                    "CLASSTERM_LATINNAME_ID": 1292971,
                    "CLASSTERM_ID": 1428880,
                    "LATIN_NAME_ID": 428005,
```

"PRECISION_CODE": null,
"TAXON_CATHEGORY_ID": null,
"RELATION_TYPE": null
},
"refs": {
"latinName": {
"object": {
"LATIN_NAME_ID": 428005,
"TYPE_SPEC_ID": 385832,
"LATIN_NAME": "reticulatum",
"PARENT_LATIN_NAME_ID": 428004,
"ADB_LATIN_NAME_ID": 108947,
"NHM_TAXON_ID": null,
"TAX_CATH_ID": 161,
"AUTHOR_ID": 109256,
"IS_VALID": "1",
"FULL_NAME": "Bittium reticulatum",
"FULL_NAME_AUTHOR": "Bittium reticulatum (da Costa, 1778)",
"DATE_LAST_CHANGED": "2009-09-08T22:00:00.000Z",
"ORGANISME_GRUPPE": null,
"CONCEPT_CHANGED_DATE": "2009-09-08T22:00:00.000Z"
},
"refs": {

"typeSpec": {
"object": {
"TYPE_SPEC_ID": 385832,
"TAXON_ID": 361292,
"ADB_TYPESPEC_ID": 100292
},
"refs": {
"taxon": {
"TAXON_ID": 361292,
"VALID_LATIN_NAME_ID": 428005,
"ADB_TAXON_ID": 68166
}
}
},
"taxCath": {
"TAX_CATH_ID": 161,
"TAX_CATH_CODE": "SP",
"TAX_CATH_NAME": "Species, Species, Art",
"TAX_CATH_ABBREV": null,
"ADB_KATEGORINAVN": "Art"
},
"authorstrings": {
"AUTHOR_ID": 109256,

"AUTHORSTRING": "(da Costa, 1778)"
}
}
}
}
}
}
}
},
"eventRolePersonNames": [
{
"object": {
"EVENT_PERSON_NAME_ROLE_ID": 2644463,
"EVENT_ID": 6155292,
"ROLE_ID": 12,
"PERSON_NAME_ID": 14610,
"SORTING_SEQUENCE": 1
},
"refs": {
"role": {
"ROLE_ID": 12,
"ROLETERM": "Det",

"DESCRIPTION": null,
"PARENT_ROLE": 7
},
"personName": {
"object": {
"PERSON_NAME_ID": 14610,
"ACTOR_ID": 14354,
"PERSON_SURNAME": "Sneli",
"PERSON_MIDDLE_NAME": null,
"PERSON_GIVEN_NAME": "Jon-Arne",
"TITLE": null,
"PERSON_NAME_TYPE": 229
},
"refs": {
"actor": {
"object": {
"ACTOR_ID": 14354,
"ACTOR_TYPE": 23,
"ACTORNAME": "Sneli, Jon-Arne",
"VALID_PERSON_NAME_ID": 14610,
"GROUP_MEMBER_NAMES": null,
"BIRTHDATE": null,
"DEATHDATE": null,

"ADRESS": null,
"POSTAL_ADDRESS": null,
"EMAIL_ADDRESS": null,
"PHONE_NUMBER": null,
"INSTITUTION": null,
"GENDER": null,
"URL": null,
"URL_NOTE": null,
"NOTE": null
},
"refs": {
"validPersonName": {
"object": {
"PERSON_NAME_ID": 14610,
"ACTOR_ID": 14354,
"PERSON_SURNAME": "Sneli",
"PERSON_MIDDLE_NAME": null,
"PERSON_GIVEN_NAME": "Jon-Arne",
"TITLE": null,
"PERSON_NAME_TYPE": 229
}
},
"actorType": {

"TYPE_ID": 23,
"TYPETERM": "Person",
"TYPE_ID_BROADER": 22
}
}
}
}
}
}
]
}
}
}
},
{
"object": {
"EVENT_MUSEUM_OBJECT_ID": 6153878,
"EVENT_ID": 6155293,
"OBJECT_ID": 1317753,
"SEQUENCE_NUMBER": 4,
"PREV_EVENT_FOR_OBJEKT": 6155292
},

```
"refs": {
    "event": {
        "object": {
            "EVENT_ID": 6155293,
            "EVENTNAME": null,
            "TIMESPAN_ID": null,
            "EVENT_TYPE": 121
        },
        "refs": {
            "eventType": {
                "TYPE_ID": 121,
                "TYPETERM": "Kjønnstadiumhendelse",
                "TYPE_ID_BROADER": 52
            },
            "genderTerm": {
                "GENDER_CLASS_TERM_ID": 1826199,
                "GENDER_CLASS_TERM": "13u",
                "TOTAL_NUMBER": 13,
                "ESTIMATED_NUMBER": "0"
            },
            "stageTerm": {
                "GENDER_CLASS_TERM_ID": 1826200,
                "GENDER_CLASS_TERM": "13u",
```

```
                "TOTAL_NUMBER": 0,
                "ESTIMATED_NUMBER": "0"
            }
        }
    }
}
},
{
    "object": {
        "EVENT_MUSEUM_OBJECT_ID": 6153879,
        "EVENT_ID": 6155294,
        "OBJECT_ID": 1317753,
        "SEQUENCE_NUMBER": 5,
        "PREV_EVENT_FOR_OBJEKT": 6155293
    },
    "refs": {
        "event": {
            "object": {
                "EVENT_ID": 6155294,
                "EVENTNAME": null,
                "TIMESPAN_ID": null,
                "EVENT_TYPE": 232
            },
```

```
                    "refs": {
                        "eventType": {
                            "TYPE_ID": 232,
                            "TYPETERM": "Legacy",
                            "TYPE_ID_BROADER": 51
                        }
                    }
                }
            }
        }
    ]
}
```