BIEN

https://projects.nceas.ucsb.edu/nceas/projects/bien/wiki/VegBIEN_schema

Legend

location | event | plant | occurrence | specimen | analytical | determination | misc | party | method | reference | community

^ Core

v Other

location
location_id
source_id
sourceaccessioncode
parent_id
authorlocationcode
accesslevel
accessconditions
sublocationxposition_m
sublocationyposition_m
iscultivated
authorzone
authordatum
authorlocation
locationnarrative
azimuth
shape
area_m2
standsize
placementmethod
permanence
layoutnarrative
elevation_m
elevationaccuracy_m
elevationrange_m
verbatimelevation
slopeaspect_deg
18 more...

project
project_id
source_id
sourceaccessioncode
projectname
projectdescription
startdate
stopdate
accessioncode

stratum
stratum_id
locationevent_id
stratumheight
stratumbase
stratumcover
2 more...

aggregateoccurrence
aggregateoccurrence_id
source_id
sourceaccessioncode
taxonoccurrence_id
collectiondate
cover_fraction
linecover_m
basalarea_m2
biomass_kg_m2
inferencearea_m2
count
stratum_id
coverindex_id
occurrencestatus_dwc
method_id
notes
accessioncode

plant
plant_id

stemobservation
stemobservation_id
source_id
sourceaccessioncode
plantobservation_id
authorstemcode
tag
tags
xposition_m
yposition_m
diameterbreastheight_m
basaldiameter_m
diameteraccuracy_m
height_m
heightfirstbranch_m
heightaccuracy_m
health
age
accessioncode

plantobservation
plantobservation_id
source_id
sourceaccessioncode
aggregateoccurrence_id
overallheight_m
overallheightaccuracy_m
authorplantcode
stemcount
plant_id
accessioncode

coordinates
coordinates_id
source_id
latitude_deg
longitude_deg
verbatimlatitude
verbatimlongitude
verbatimcoordinates
footprintgeometry_dwc
coordsaccuracy_m

locationevent
locationevent_id
source_id
sourceaccessioncode
accesslevel
parent_id
location_id
project_id
authoreventcode
previous_id
obsstartdate
obsenddate
dateaccuracy
method_id
temperature_c
precipitation_m
62 more...

taxonoccurrence
taxonoccurrence_id
source_id
sourceaccessioncode
locationevent_id
authortaxoncode
collector_id
growthform
iscultivated
cultivatedbasis
isnative
accessioncode

specimenreplicate
specimenreplicate_id
source_id
sourceaccessioncode
plantobservation_id
institution_id
collectioncode_dwc
catalognumber_dwc
collectionnumber
description
specimen_id
accessioncode

voucher
voucher_id
taxonoccurrence_id
specimenreplicate_id

specimen
specimen_id

trait
trait_id
taxonoccurrence_id
name
value
units

place
place_id
source_id
canon_place_id
matched_place_id
coordinates_id
placename_id
continent
country
stateprovince
county
description
geovalid
distance_to_country_m
distance_to_state_m
distance_to_county_m

locationplace
locationplace_id
location_id
place_id
identifier_id

soilsample
soilsample_id
locationevent_id
horizon
description
depthtop_m
depthbottom_m
color
texture
organic_fraction
sand_fraction
silt_fraction
clay_fraction
coarse_fraction
ph
acidity_fraction
basesaturation_fraction
cationexchangecapacity_cmol_kg
conductivity
7 more...

taxondetermination
taxondetermination_id
taxonoccurrence_id
source_id
taxonverbatim_id
party_id
role
determinationtype
reference_id
isoriginal
is_datasource_current
iscurrent
taxonfit
taxonconfidence
grouptype
notes
revisions
determinationdate
accessioncode

taxonverbatim
taxonverbatim_id
source_id
taxonlabel_id
verbatimrank
taxonomicname
taxonname
author
family
genus
specific_epithet
morphospecies
morphoname
growthform
description

methodtaxonclass
methodtaxonclass_id
method_id
taxonlabel_id
included
submethod_id
taxonclass

method
method_id
source_id
name
description
diameterheight_m
mindiameter_m
maxdiameter_m
minheight_m
maxheight_m
observationtype
observationmeasure
covermethod_id
samplingfactor
coverbasis
stemsamplemethod
shape
length_m
width_m
radius_m
area_m2
samplearea_m2
subplotspacing_m
subplotmethod_id
pointsperline
accessioncode

userdefined
userdefined_id
userdefinedname
userdefinedmetadata
userdefinedcategory
userdefinedtype
tablename
accessioncode

definedvalue
definedvalue_id
userdefined_id
tablerecord_id
definedvalue

placename
placename_id
parent_id
rank
placename

taxonconcept
taxonlabel_id
concept_reference_id

taxonlabel_relationship
descendant_id
ancestor_id
relationship

taxonlabel
taxonlabel_id
source_id
sourceaccessioncode
taxonstatus
canon_label_id
matched_label_id
parent_id
taxonepithet
rank
taxonomicname
accessioncode

analytical_stem
datasource
institutionCode
collectionCode
catalogNumber
occurrenceID
country
stateProvince
county
locality
decimalLatitude
decimalLongitude
coordinateUncertaintyInMeters
coordinateSource_bien
georeferenceProtocol_bien
geovalid_bien
isNewWorld_bien
projectID
locationID
locationName
subplot
individualCode
elevationInMeters
plotArea_ha
samplingProtocol
dateCollected
family_verbatim
scientificName_verbatim
scientificNameAuthorship_verbatim
family_matched
taxonName_matched
scientificNameAuthorship_matched
higherPlantGroup_bien
family
genus
speciesBinomial
taxonName
scientificNameAuthorship
scientificNameWithMorphospecies
threatened_bien
identifiedBy
dateIdentified
identificationRemarks
growthForm
cultivated_bien
cultivatedBasis_bien
recordedBy
recordNumber
coverPercent
diameterBreastHeight_cm
height_m
5 more...

analytical_aggregate
datasource
country
stateProvince
county
decimalLatitude
decimalLongitude
coordinateUncertaintyInMeters
geovalid_bien
isNewWorld_bien
locationID
elevationInMeters
plotArea_ha
samplingProtocol
dateCollected
higherPlantGroup_bien
family
genus
speciesBinomial
taxonName
scientificNameAuthorship
scientificNameWithMorphospecies
threatened_bien
identifiedBy
growthForm
cultivated_bien
cultivatedBasis_bien
coverPercent
individualCount
individualCount_1cm_or_more
individualCount_2_5cm_or_more
individualCount_10cm_or_more

locationeventcontributor
locationeventcontributor_id
locationevent_id
party_id
role
contributiondate

projectcontributor
projectcontributor_id
project_id
party_id
role

provider_count
level
provider
count
sourcetype
observationtype

note
note_id
notelink_id
party_id
role
notetype
notetext
notedate
accessioncode

notelink
notelink_id
tablename
attributename
tablerecord

taxoncorrelation
taxoncorrelation_id
taxonstatus_id
taxonlabel_id
plantconvergence
correlationstart
correlationstop

taxonstatus
taxonstatus_id
taxonlabel_id
party_id
taxonlabelstatus
source_id
plantpartycomments
startdate
stopdate
accessioncode

taxonlineage
taxonlineage_id
childtaxonstatus_id
parenttaxonstatus_id

covermethod
covermethod_id
source_id
covertype
coverestimationmethod
accessioncode

coverindex
coverindex_id
covermethod_id
covercode
upperlimit
lowerlimit
coverpercent
indexdescription

commclass
commclass_id
locationevent_id
inspection
tableanalysis
multivariateanalysis
classpublication_id
9 more...

source
source_id
matched_source_id
parent_id
shortname
citation
sourcetype
accesslevel
accessconditions
observationtype
title
titlesuperior
volume
issue
pagerange
totalpages
publisher
publicationplace
isbn
edition
numberofvolumes
chapternumber
reportnumber
communicationtype
degree
url
doi
additionalinfo
pubdate
accessdate
conferencedate
accessioncode

cultivated_family_locations
family
country

commdetermination
commdetermination_id
commclass_id
commconcept_id
commcode
commname
classfit
classconfidence
commauthority_id
notes
type
nomenclaturaltype

commconcept
commconcept_id
commname_id
reference_id
commdescription
commname
accessioncode

commname
commname_id
commname
source_id
dateentered

commusage
commusage_id
commname_id
commname
commconcept_id
commnamestatus
classsystem
party_id
commstatus_id
usagestart
usagestop

sourcelist
sourcelist_id
source_id
name

sourcename
sourcelist_id
name
matched_source_id

telephone
telephone_id
party_id
phonenumber
phonetype

party
party_id
source_id
sourceaccessioncode
fullname
salutation
givenname
middlename
surname
suffix
department
organizationname
currentname_id
contactinstructions
email
partytype
partypublic
accessioncode

sourcecontributor
sourcecontributor_id
source_id
sourceparty_id
role
order

address
address_id
party_id
organization_id
orgposition
email
street
street2
city
stateprovince
postalcode
country
currentflag
addressstartdate

partymember
partymember_id
parentparty_id
childparty_id
role
memberstart
memberstop

commcorrelation
commcorrelation_id
commstatus_id
commconcept_id
commconvergence
correlationstart
correlationstop

commstatus
commstatus_id
commconcept_id
source_id
commconceptstatus
commparent_id
commlevel
commpartycomments
party_id
startdate
stopdate
accessioncode

threatened_taxonlabel
taxonlabel_id

commlineage
commlineage_id
parentcommstatus_id
childcommstatus_id

family_higher_plant_group
family
higher_plant_group

revision
revision_id
tablename
tableattribute
tablerecord
previousvaluetext
previousvaluetype
previousrevision_id
revisiondate