BIEN

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

Legend
- location
- event
- plant
- occurrence
- specimen
- method
- determination
- community
- misc
- reference
- party

^ Core subset

project
- 🔑 project_id
- ◆ datasource_id
- ◆ sourceaccessioncode
- ◆ projectname
- ◆ projectdescription
- ◆ startdate
- ◆ stopdate
- ◆ d_obscount
- ◆ d_lastlocationaddeddate
- ◆ accessioncode

location
- 🔑 location_id
- ◆ datasource_id
- ◆ sourceaccessioncode
- ◆ parent_id
- ◆ authorlocationcode
- ◆ centerlatitude
- ◆ centerlongitude
- ◆ locationaccuracy
- ◆ confidentialitystatus
- ◆ confidentialityreason
- ◆ publiclatitude
- ◆ publiclongitude
- ◆ sublocationxposition
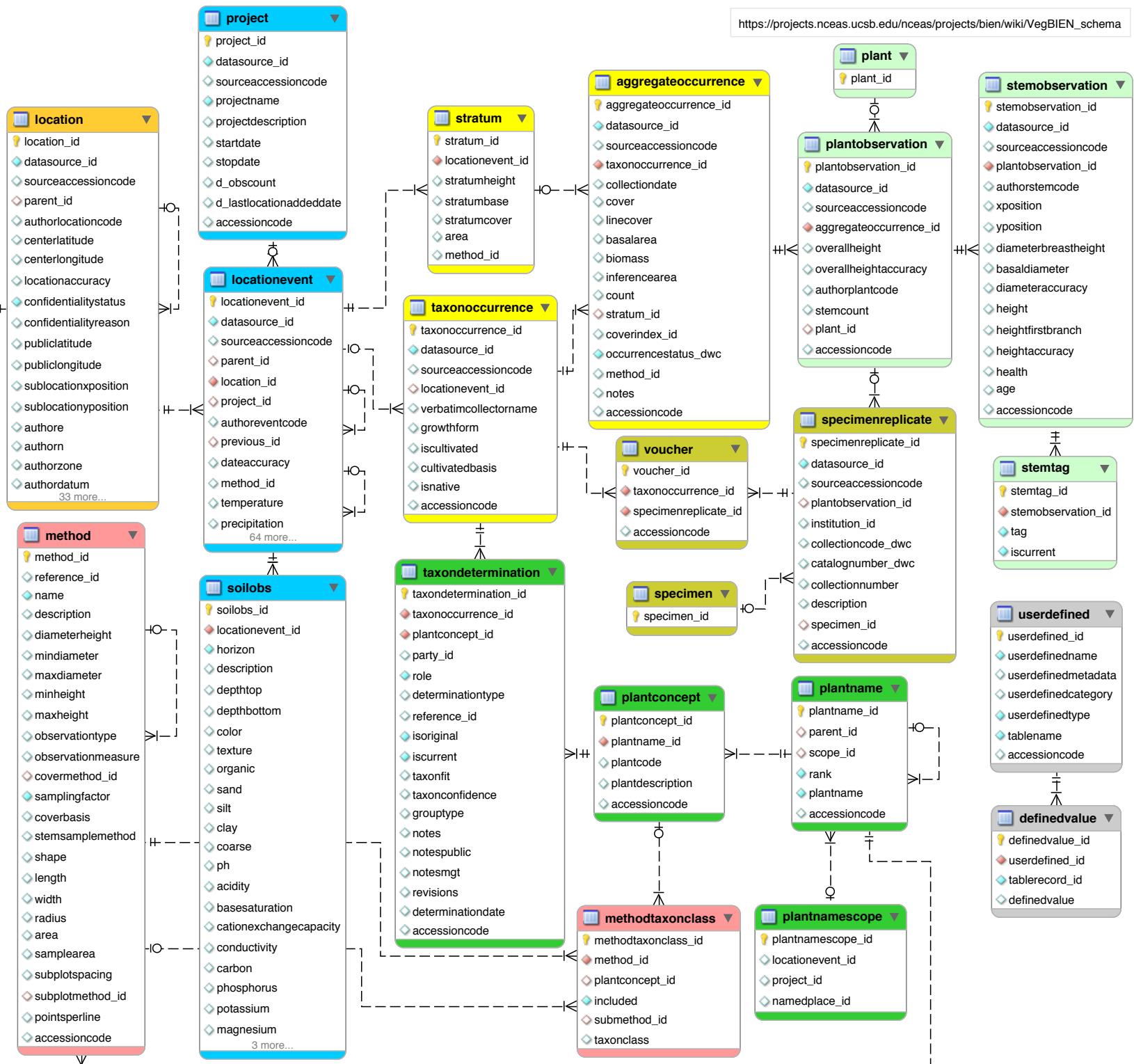- ◆ sublocationyposition
- ◆ authore
- ◆ authorn
- ◆ authorzone
- ◆ authordatum
- 33 more...

locationdetermination
- 🔑 locationdetermination_id
- ◆ location_id
- ◆ latitude
- ◆ longitude
- ◆ footprintgeometry_dwc
- ◆ coordsaccuracy
- ◆ namedplace_id
- ◆ identifier_id
- ◆ determinationdate
- ◆ isoriginal
- ◆ iscurrent
- ◆ calculated

namedplace
- 🔑 namedplace_id
- ◆ parent_id
- ◆ rank
- ◆ placename
- ◆ placecode
- ◆ placedescription
- ◆ accessioncode

commclass
- 🔑 commclass_id
- ◆ locationevent_id
- ◆ inspection
- ◆ tableanalysis
- ◆ multivariateanalysis
- ◆ classpublication_id
- ◆ classnotes
- ◆ commname
- 7 more...

locationevent
- 🔑 locationevent_id
- ◆ datasource_id
- ◆ sourceaccessioncode
- ◆ parent_id
- ◆ location_id
- ◆ project_id
- ◆ authoreventcode
- ◆ previous_id
- ◆ dateaccuracy
- ◆ method_id
- ◆ temperature
- ◆ precipitation
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method
- 🔑 method_id
- ◆ reference_id
- ◆ name
- ◆ description
- ◆ diameterheight
- ◆ mindiameter
- ◆ maxdiameter
- ◆ minheight
- ◆ maxheight
- ◆ observationtype
- ◆ observationmeasure
- ◆ covermethod_id
- ◆ samplingfactor
- ◆ coverbasis
- ◆ stemsamplemethod
- ◆ shape
- ◆ length
- ◆ width
- ◆ radius
- ◆ area
- ◆ samplearea
- ◆ subplotspacing
- ◆ subplotmethod_id
- ◆ pointsperline
- ◆ accessioncode

soilobs
- 🔑 soilobs_id
- ◆ locationevent_id
- ◆ horizon
- ◆ description
- ◆ depthtop
- ◆ depthbottom
- ◆ color
- ◆ texture
- ◆ organic
- ◆ sand
- ◆ silt
- ◆ clay
- ◆ coarse
- ◆ ph
- ◆ acidity
- ◆ basesaturation
- ◆ cationexchangecapacity
- ◆ conductivity
- ◆ carbon
- ◆ phosphorus
- ◆ potassium
- ◆ magnesium
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stratum
- 🔑 stratum_id
- ◆ locationevent_id
- ◆ stratumheight
- ◆ stratumbase
- ◆ stratumcover
- ◆ area
- ◆ method_id

taxonoccurrence
- 🔑 taxonoccurrence_id
- ◆ datasource_id
- ◆ sourceaccessioncode
- ◆ locationevent_id
- ◆ verbatimcollectorname
- ◆ growthform
- ◆ iscultivated
- ◆ cultivatedbasis
- ◆ isnative
- ◆ accessioncode

taxondetermination
- 🔑 taxondetermination_id
- ◆ taxonoccurrence_id
- ◆ plantconcept_id
- ◆ party_id
- ◆ role
- ◆ determinationtype
- ◆ reference_id
- ◆ isoriginal
- ◆ iscurrent
- ◆ taxonfit
- ◆ taxonconfidence
- ◆ grouptype
- ◆ notes
- ◆ notespublic
- ◆ notesmgt
- ◆ revisions
- ◆ determinationdate
- ◆ accessioncode

aggregateoccurrence
- 🔑 aggregateoccurrence_id
- ◆ datasource_id
- ◆ sourceaccessioncode
- ◆ taxonoccurrence_id
- ◆ collectiondate
- ◆ cover
- ◆ linecover
- ◆ basalarea
- ◆ biomass
- ◆ inferencearea
- ◆ count
- ◆ stratum_id
- ◆ coverindex_id
- ◆ occurrencestatus_dwc
- ◆ method_id
- ◆ notes
- ◆ accessioncode

voucher
- 🔑 voucher_id
- ◆ taxonoccurrence_id
- ◆ specimenreplicate_id
- ◆ accessioncode

specimen
- 🔑 specimen_id

plant
- 🔑 plant_id

plantobservation
- 🔑 plantobservation_id
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- ◆ sourceaccessioncode
- ◆ aggregateoccurrence_id
- ◆ overallheight
- ◆ overallheightaccuracy
- ◆ authorplantcode
- ◆ overallheight
- ◆ stemcount
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- ◆ accessioncode

specimenreplicate
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- ◆ sourceaccessioncode
- ◆ plantobservation_id
- ◆ institution_id
- ◆ collectioncode_dwc
- ◆ catalognumber_dwc
- ◆ collectionnumber
- ◆ description
- ◆ specimen_id
- ◆ accessioncode

stemobservation
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- ◆ datasource_id
- ◆ sourceaccessioncode
- ◆ plantobservation_id
- ◆ authorstemcode
- ◆ xposition
- ◆ yposition
- ◆ diameterbreastheight
- ◆ basaldiameter
- ◆ diameteraccuracy
- ◆ height
- ◆ heightfirstbranch
- ◆ heightaccuracy
- ◆ health
- ◆ age
- ◆ accessioncode

stemtag
- 🔑 stemtag_id
- ◆ stemobservation_id
- ◆ tag
- ◆ iscurrent

plantconcept
- 🔑 plantconcept_id
- ◆ plantname_id
- ◆ plantcode
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- ◆ accessioncode

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- 🔑 plantname_id
- ◆ parent_id
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- ◆ rank
- ◆ plantname
- ◆ accessioncode

methodtaxonclass
- 🔑 methodtaxonclass_id
- ◆ method_id
- ◆ plantconcept_id
- ◆ included
- ◆ submethod_id
- ◆ taxonclass

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- 🔑 plantnamescope_id
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userdefined
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- ◆ userdefinedmetadata
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definedvalue
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- ◆ userdefined_id
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- 🔷 upperlimit
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- 🔷 coverpercent
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- 🔷 tablename
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- 🔷 previousvaluetext
- 🔷 previousvaluetype
- 🔶 previousrevision_id
- 🔷 revisiondate

reference
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- 🔷 fulltext___
- 🔷 referencetype
- 🔷 title
- 🔷 titlesuperior
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- 🔷 issue
- 🔷 pagerange
- 🔷 totalpages
- 🔷 publisher
- 🔷 publicationplace
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- 🔷 numberofvolumes
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- 🔷 reportnumber
- 🔷 communicationtype
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- 🔷 additionalinfo
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- 🔷 accessioncode

referencecontributor
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- 🔶 referenceparty_id
- 🔷 roletype
- 🔷 position

referencejournal
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referencealtident
- 🔑 referencealtident_id
- 🔶 reference_id
- 🔷 system
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referenceparty
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- 🔷 type
- 🔷 positionname
- 🔷 salutation
- 🔷 givenname
- 🔷 surname
- 🔷 suffix
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- 🔶 currentparty_id
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partymember
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- 🔶 parentparty_id
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- 🔷 role
- 🔷 memberstart
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party
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- 🔷 salutation
- 🔷 givenname
- 🔷 middlename
- 🔷 surname
- 🔷 organizationname
- 🔶 currentname_id
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address
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- 🔷 email
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telephone
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