Script Formulario

CREATE TABLE public."Formulario"

(

"ID" integer NOT NULL GENERATED ALWAYS AS IDENTITY ( CYCLE INCREMENT 1 START 1 ),

"Tipo" character varying,

"Fecha" date,

"Anotador" character varying,

"Genero" character varying,

"Especie" character varying,

"Edad" integer,

"Zona" character varying,

"Descripcion" character varying(200)

);

ALTER TABLE IF EXISTS public."Formulario"

OWNER to postgres;

ALTER TABLE IF EXISTS public."Formulario"

ADD COLUMN "ID\_Formulario" character varying;

ALTER TABLE IF EXISTS public."Formulario"

ADD CONSTRAINT "ID\_Formulario" PRIMARY KEY ("ID\_Formulario")

INCLUDE ("ID", "Tipo", "Zona", "Fecha");

Ya no ahora las primiry key son todas ("ID", "Tipo", "Zona", "Fecha");

INSERT INTO public."Formulario"(

"Tipo", "Fecha", "Anotador", "Genero", "Especie", "Edad", "Zona", "Descripcion")

VALUES ('Planta', '2023-07-06', 'Stephanie', 'Floreado', 'Arbol',1, 'San Jose', 'En gira de campo');

select \*

FROM "Formulario"

select \*

FROM "Formulario"

WHERE "Tipo" = 'Planta'

CREATE TABLE public."Informacion"

(

"ID" integer,

"Numero\_planta" integer,

"Estado\_fenologico" "char",

"Estado\_fitosanitario" "char",

"Latitud" geometry,

"Longitud" geometry,

"Altitud" double precision,

"ID\_Formulario" integer,

"Zona\_Formulario" "char",

"Tipo\_Formulario" "char",

"Fecha\_formulario" date,

"Tiempo" time without time zone,

CONSTRAINT "ID\_Formulario" FOREIGN KEY ("Zona\_Formulario", "ID\_Formulario", "Tipo\_Formulario", "Fecha\_formulario")

REFERENCES public."Formulario" ("Zona", "ID", "Tipo", "Fecha") MATCH SIMPLE

ON UPDATE NO ACTION

ON DELETE NO ACTION

NOT VALID

);

ALTER TABLE IF EXISTS public."Informacion"

OWNER to postgres;

ALTER TABLE IF EXISTS public."Informacion"

ALTER COLUMN "ID" SET NOT NULL;

ALTER TABLE IF EXISTS public."Informacion"

ALTER COLUMN "ID" ADD GENERATED ALWAYS AS IDENTITY ( CYCLE INCREMENT 1 START 1 );

-- Table: public.Registro

-- DROP TABLE IF EXISTS public."Registro";

CREATE TABLE IF NOT EXISTS public."Registro"

(

"CodigoRegistro" integer,

"Calibracion" double precision,

"Observaciones" character varying(200) COLLATE pg\_catalog."default",

"Muestra" integer,

"CondicionCielo" character varying(200) COLLATE pg\_catalog."default",

"Wavelength" integer[],

"IDFormulario" integer,

"TipoFormulario" character varying(200) COLLATE pg\_catalog."default",

"ZonaFormulario" character varying(200) COLLATE pg\_catalog."default",

"FechaFormulario" date,

"IDInformacion" integer,

"ID" integer NOT NULL GENERATED ALWAYS AS IDENTITY ( CYCLE INCREMENT 1 START 1 MINVALUE 1 MAXVALUE 2147483647 CACHE 1 ),

CONSTRAINT "UNRegistro" UNIQUE ("IDFormulario", "TipoFormulario", "ZonaFormulario", "IDInformacion", "ID", "FechaFormulario"),

CONSTRAINT "FKRegistro" FOREIGN KEY ("IDFormulario", "TipoFormulario", "ZonaFormulario", "FechaFormulario", "IDInformacion")

REFERENCES public."Informacion" ("IDFormulario", "TipoFormulario", "ZonaFormulario", "FechaFormulario", "ID") MATCH SIMPLE

ON UPDATE CASCADE

ON DELETE CASCADE

NOT VALID

)

TABLESPACE pg\_default;

ALTER TABLE IF EXISTS public."Registro"

OWNER to postgres;

<https://openaccess.uoc.edu/bitstream/10609/51482/2/Bases%20de%20datos%20geográficas_Módulo2_Introducción%20a%20PostGIS.pdf>

Guía PostGIS

<https://live.osgeo.org/es/quickstart/postgis_quickstart.html>

INSERT INTO public."Prueba"( lat, lon)

VALUES ( ST\_GeomFromText('POINT(-0.1257 51.508)',4326), ST\_GeomFromText('POINT(-0.1257 51.508)',4326))

select \*

FROM "Prueba"