Configuration Files Database Models

1. Parameters

```
CREATE TABLE public.parameters
(
    gid int DEFAULT nextval('geoindex_gid_seq'::regclass) PRIMARY KEY NOT NULL,
name varchar(50) NOT NULL,
    title varchar(100),
    unit varchar(20),
~~categories varchar(200),~~
~~    detail_view varchar(100),~~
    search_view boolean DEFAULT true ,
    explore_view boolean DEFAULT true ,
    scale_names varchar(250),
    scale_colors varchar(100)
);
CREATE UNIQUE INDEX parameters_gid_uindex ON public.parameters (gid);
CREATE UNIQUE INDEX parameters_name_uindex ON public.parameters (name);

CREATE TABLE public.categories
(
    id int DEFAULT nextval('geoindex_gid_seq'::regclass) PRIMARY KEY NOT NULL,
name varchar(50),
type varchar(50)
);
CREATE UNIQUE INDEX categories_id_uindex ON public.categories (id);

CREATE TABLE public.parameter_categories
(
    gid int DEFAULT nextval('geoindex_gid_seq'::regclass) PRIMARY KEY NOT NULL,
    parameter_gid int NOT NULL,
    category_gid int NOT NULL,
    CONSTRAINT parameter_fk FOREIGN KEY (parameter_gid) REFERENCES parameters (gid),
    CONSTRAINT categories_fk FOREIGN KEY (category_gid) REFERENCES categories (id)
);
```

Sample For GLM (Not complete)

Parameters

gid	name	Name	unit	searchView	exploreView	scale_names	scale_colors
8018546	turbidity-glenda	Turbity	NTU	TRUE	TRUE		
8018542	chlorophyll-a-glenda	Chlorophyll a	ug/L	TRUE	TRUE		
8018544	silica-glenda	Silica	mg/L	TRUE	TRUE		
8018545	total-phosphorus-glenda	Total Phosphorus	ug/L	TRUE	TRUE		
8018541	alkalinity-glenda	Alkalinity	mg/L	TRUE	TRUE		
8018543	nitrogen-glenda	Nitrite-Nitrate	mg/L	TRUE	TRUE		
8018547	biomass	Zooplankton Biomass	ug/m^3	TRUE	TRUE	Calanoids, Cyclopoids, Limnocalanus, Daphnids Cladocerans, Predatory Cladocerans, Non-Daphnid Cladocerans	#00FFFF, #FFFF00, #0000FF, #FF3939, #660000, #660066
8018548	density	Zooplankton Density	#/m^3	TRUE	TRUE	Calanoids, Cyclopoids, Limnocalanus, Daphnids Cladocerans, Predatory Cladocerans, Non-Daphnid Cladocerans	#00FFFF, #FFFF00, #0000FF, #FF3939, #660000, #660066

Categories

Id	Name	Type
35785	nutrients	time
8018549	nutrients	stacked_line
8018550	biology	stacked_bar
8018551	contaminants	time

Parameter Categories

gid	Parameter_gid	category_gid
8018552	8018546	35785
8018553	8018542	35785
8018554	8018544	35785
8018555	8018545	35785
8018556	8018543	35785
8018557	8018541	35785
8018558	8018547	8018550
8018559	8018548	8018550
8018560	8018541	8018551

-- Needs Updating —
/api/parameters

/api/parameters


```
{"id": 8018543,
"name": "nitrogen-glenda",
"title": "Nitrite-Nitrate",
"unit": "mg/L",
"categories": ["nutrients"],
"detail_view": ["time"],
"search_view": true,
"explore_view": true,
"scale_names": [],
"scale_colors": []
},
{"id": 8018548,
"name": "density",
"title": "Zooplankton Density",
"unit": "#/m^3",
"categories": ["biology"],
"detail_view": ["stacked_bar"],
"search_view": true,
"explore_view": true,
"scale_names": ["Calanoids","Cyclopoids","Limnocalanus","Daphnids Cladocerans","Predatory Cladocerans","
Non-Daphnid Cladocerans"],
"scale_colors": ["#00FFFF","#FFFF00","#0000FF","#FF3939","#660000","#660066"]
}
```


2. Sources