



Main Layout

Table deployedonplatform		
Idx	Name	Data Type
* Pk	id	INT AUTO_INCREMENT
* Idx	deployment_id	INT
* Idx	platform_id	INT
*	start_date	DATETIME
	end_date	DATETIME
* Idx	geolocation	INT
Idx	location_of_interest	INT
Indexes		
Type	Name	On
Pk	pk_deployedonplatform	id
	fk_deployedonplatform_deployments	deployment_id
	fk_deployedonplatform_platforms1	platform_id
	fk_deployedonplatform_locations1	geolocation
	fk_deployedonplatform_locations2	location_of_interest
Foreign Keys		
Type	Name	On
	fk_deployedonplatform_deployments (deployment_id) ref deployments (id)	
	fk_deployedonplatform_locations1 (geolocation) ref locations (id)	
	fk_deployedonplatform_locations2 (location_of_interest) ref locations (id)	
	fk_deployedonplatform_platforms1 (platform_id) ref platforms (id)	
Options		
ENGINE=InnoDB AUTO_INCREMENT=27 DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci		

Table deployments		
Idx	Name	Data Type
* Pk	id	INT AUTO_INCREMENT
*	name	VARCHAR(45)
*	label	VARCHAR(45)
*	description	VARCHAR(500)
	external_url	VARCHAR(100)
*	start_date	DATETIME
	end_date	DATETIME
*	visibility	SMALLINT
Indexes		
Type	Name	On
Pk	pk_deployments	id
Options		
ENGINE=InnoDB AUTO_INCREMENT=19 DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci		

Table disciplines		
Idx	Name	Data Type
* Pk	id	VARCHAR(50)
*	label	VARCHAR(100)
*	comment	VARCHAR(200)
Indexes		

Table disciplines

Type	Name	On
Pk	pk_disciplines	id
Unq	id_UNIQUE	id

Options

ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci

Table features_of_interest

Idx	Name	Data Type
* Pk	id	INT AUTO_INCREMENT
* Unq	name	VARCHAR(45)
*	label	VARCHAR(45)
*	description	VARCHAR(200)

Indexes

Type	Name	On
Pk	pk_features_of_interest	id
Unq	name_UNIQUE	name

Options

ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci

Table locations

Idx	Name	Data Type
* Pk	id	INT AUTO_INCREMENT
	description	VARCHAR(200)
*	name	VARCHAR(45)
	label	VARCHAR(45)
	address	VARCHAR(100)
*	geometry	VARCHAR
*	type	VARCHAR(45)

Indexes

Type	Name	On
Pk	pk_locations	id

Options

ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci

Table observable_properties

Idx	Name	Data Type
* Pk	id	VARCHAR(45)
* Unq	name	VARCHAR(45)
*	description	VARCHAR(1000)
*	cumulative	TINYINT

Indexes

Type	Name	On
Pk	pk_observableproperties	id
Unq	name_UNIQUE	name
Unq	id_UNIQUE	id

Options

ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci

Table observable_recommended_units

Idx	Name	Data Type
* Pk	observableproperties_id	VARCHAR(45)
* Pk	units_id	VARCHAR(45)
Indexes		
Type	Name	On
Pk	pk_observable_recommended_units	observableproperties_id, units_id
	fk_observableproperties_has_units_units1	units_id
Foreign Keys		
Type	Name	On
	fk_observableproperties_has_units_observableproperties1 (observableproperties_id) ref observable_properties (id)	
	fk_observableproperties_has_units_units1 (units_id) ref units (id)	
Options		
ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci		

Table platforms

Idx	Name	Data Type
* Pk	id	INT AUTO_INCREMENT
*	name	VARCHAR(45)
*	label	VARCHAR(45)
*	type	VARCHAR(45)
*	description	VARCHAR(500)
*	static	TINYINT DEFAULT '1'
*	visibility	SMALLINT DEFAULT '0'
Indexes		
Type	Name	On
Pk	pk_platforms	id
Options		
ENGINE=InnoDB AUTO_INCREMENT=14 DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci		

Table sensors

Idx	Name	Data Type
* Pk	id	INT AUTO_INCREMENT
	name	VARCHAR(45)
*	label	VARCHAR(45)
	description	VARCHAR(500)
*	implements	VARCHAR(45)
* Idx	platform	INT
Indexes		
Type	Name	On
Pk	pk_sensors	id
	fk_sensors_platforms1	platform
Foreign Keys		
Type	Name	On
	fk_sensors_platforms1 (platform) ref platforms (id)	
Options		
ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci		

Table sensors_senses_observables

Idx	Name	Data Type
* Pk	Sensor_id	INT
* Pk	observableProperty_id	VARCHAR(45)
Indexes		
Type	Name	On
Pk	pk_sensors_senses_observables	Sensor_id, observableProperty_id
	fk_sensors_has_observableproperty_observableproperties1	observableProperty_id
Foreign Keys		
Type	Name	On
	fk_sensors_has_observableproperty_observableproperties1 (observableProperty_id)	ref observable_properties (id)
	fk_sensors_senses_observables_sensors (Sensor_id)	ref sensors (id)
Options		
ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci		

Table timeseries

Idx	Name	Data Type
* Pk	id	INT AUTO_INCREMENT
*	observedProperty	VARCHAR(100)
	comment	VARCHAR(100)
* Idx	unit	VARCHAR(45)
*	time_interval	VARCHAR(45)
*	cumulative	TINYINT
*	visibility	TINYINT
* Idx	from_sensor	INT
Indexes		
Type	Name	On
Pk	pk_timeseries	id
	fk_timeseries_sensors1	from_sensor
	fk_timeseries_units1	unit
Foreign Keys		
Type	Name	On
	fk_timeseries_sensors1 (from_sensor)	ref sensors (id)
	fk_timeseries_units1 (unit)	ref units (id)
Options		
ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci		

Table timeseries_has_disciplines

Idx	Name	Data Type
* Pk	timeseries_id	INT
* Pk	disciplines_id	VARCHAR(50)
Indexes		
Type	Name	On
Pk	pk_timeseries_has_disciplines	timeseries_id, disciplines_id
	fk_timeseries_has_disciplines_disciplines1	disciplines_id
Foreign Keys		
Type	Name	On
	fk_timeseries_has_disciplines_disciplines1 (disciplines_id)	ref disciplines (id)
	fk_timeseries_has_disciplines_timeseries1 (timeseries_id)	ref timeseries (id)

Table timeseries_has_disciplines

Options

ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci

Table timeseries_has_features_of_interest

Idx	Name	Data Type
* Pk	timeseries_id	INT
* Pk	features_of_interest_id	INT

Indexes

Type	Name	On
Pk	pk_timeseries_has_features_of_in	timeseries_id, features_of_interest_id
	fk_timeseries_has_features_of_interest_features_of_interest1	features_of_interest_id

Foreign Keys

Type	Name	On
	fk_timeseries_has_features_of_interest_features_of_interest1 (features_of_interest_id)	ref features_of_interest (id)
	fk_timeseries_has_features_of_interest_timeseries1 (timeseries_id)	ref timeseries (id)

Options

ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci

Table units

Idx	Name	Data Type
* Pk	id	VARCHAR(45)
*	label	VARCHAR(45)
*	symbol	VARCHAR(5)
*	comment	VARCHAR(300)

Indexes

Type	Name	On
Pk	pk_units	id
Unq	id_UNIQUE	id

Options

ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci