

## Diccionario de datos

Design Name	DiagramaLogico
Version Date	12.05.2018 07:20:44
Version Comment	
Model Name	Relational_1

Table Name	Abono
Functional Name	Abono
Abbreviation	
Classification Type Name	
Object Type Name	

Number Of Columns	5
Number Of Rows Min.	0
Number Of Rows Max.	9999999
Expected Number Of Rows	0
Expected Growth	0
Growth Interval	Year

#### Columns

No	Column Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Security	Abbreviation
1	codigo	P		Y	NUMERIC - AI - ID	LT				
2	fechaHora			Y	Datetime	LT				
3	codigoColaborador		F	Y	NUMERIC	LT				
4	codigoHuerta		F	Y	NUMERIC	LT				
5	codigoPlanta		F	Y	NUMERIC	LT				

#### Indexes

Index Name	State	Functional	Spatial	Expression	Column Name	Sort Order
PK_Abono	PK				codigo	ASC

#### Foreign Keys (referring to)

Name	Referring To	Mandatory	Transferable	In Arc	Columns	Referred Columns	Delete Rule
FK_Abono_Colaborador	Colaborador	Y	Y		codigoColaborador	codigoColaborador	
FK_Abono_Planta	Planta	Y	Y		codigoPlanta	codigoPlanta	
FK_Abono_Huerta	Huerta	Y	Y		codigoHuerta	codigoHuerta	

Table Name	Arbol
Functional Name	Arbol
Abbreviation	
Classification Type Name	
Object Type Name	

Number Of Columns	6
Number Of Rows Min.	0
Number Of Rows Max.	9999999
Expected Number Of Rows	0
Expected Growth	0
Growth Interval	Year

Columns

No	Column Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Security	Abbreviation
1	codigoPlanta	P	F	Y	NUMERIC	LT				
2	peligroExticion			Y	NVARCHAR (2 CHAR)	LT		'NO'		
3	especie		F	Y	NUMERIC	LT				
4	corteza		F	Y	NUMERIC	LT				
5	xilema		F	Y	NUMERIC	LT				
6	cambium		F	Y	NUMERIC	LT				

Indexes

Index Name	State	Functional	Spatial	Expression	Column Name	Sort Order
PK_Arbol	PK				codigoPlanta	ASC

Constraints

Type	Column / Constraint Name	Details	
Column Level	peligroExticion	Values List	
		Value	Description
		'NO'	
		'SI'	

Foreign Keys (referring to)

Name	Referring To	Mandatory	Transferable	In Arc	Columns	Referred Columns	Delete Rule
FK_Arbol_Planta	Planta	Y	Y		codigoPlanta	codigoPlanta	
FK_Arbol_TipoXilema	TipoXilema	Y	Y		xilema	codigoXilema	
FK_Arbol_TipoCambium	TipoCambium	Y	Y		cambium	codigoCambium	
FK_Arbol_Especie	Especie	Y	Y		especie	codigoEspecie	
FK_Arbol_TipoCorteza	TipoCorteza	Y	Y		corteza	codigoCorteza	

Table Name	CalificacionHuerta
Functional Name	CalificacionHuerta
Abbreviation	
Classification Type Name	
Object Type Name	

Number Of Columns	6
Number Of Rows Min.	0
Number Of Rows Max.	9999999
Expected Number Of Rows	0
Expected Growth	0
Growth Interval	Year

Columns

No	Column Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Security	Abbreviation
1	codigoCalificacion	P		Y	NUMERIC - AI - ID	LT				
2	fechaHora			Y	Datetime	LT				
3	comentario				NVARCHAR (250 CHAR)	LT				
4	puntuacion			Y	NUMERIC (1)	LT				
5	username		F	Y	NVARCHAR (15 CHAR)	LT				
6	codigoHuerta		F	Y	NUMERIC	LT				

Indexes

Index Name	State	Functional	Spatial	Expression	Column Name	Sort Order
PK_CalificacionHuerta	PK				codigoCalificacion	ASC
UN_CalificacionHuerta	UK				username	ASC
					codigoHuerta	ASC

Constraints

Type	Column / Constraint Name	Details			
Column Level	puntuacion	Ranges			
		Begin Value	End Value	Description	
		1	5		

Foreign Keys (referring to)

Name	Referring To	Mandatory	Transferable	In Arc	Columns	Referred Columns	Delete Rule
FK_CalificacionHuerta_Usuario	Usuario	Y	Y		username	username	
FK_CalificacionHuerta_Huerta	Huerta	Y	Y		codigoHuerta	codigoHuerta	

Table Name	CambioClave
Functional Name	CambioClave
Abbreviation	
Classification Type Name	
Object Type Name	

Number Of Columns	5
Number Of Rows Min.	0
Number Of Rows Max.	9999999
Expected Number Of Rows	0
Expected Growth	0
Growth Interval	Year

#### Columns

No	Column Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Security	Abbreviation
1	codigo	P		Y	NUMERIC - AI - ID	LT				
2	fechaHora			Y	Datetime	LT				
3	claveVieja			Y	VARCHAR (15 CHAR)	LT				
4	claveNueva			Y	VARCHAR (15 CHAR)	LT				
5	username		F	Y	NVARCHAR (15 CHAR)	LT				

#### Indexes

Index Name	State	Functional	Spatial	Expression	Column Name	Sort Order
PK_CambioClave	PK				codigo	ASC

#### Foreign Keys (referring to)

Name	Referring To	Mandatory	Transferable	In Arc	Columns	Referred Columns	Delete Rule
FK_CambioClave_Usuario	Usuario	Y	Y		username	username	

Table Name	Canton
Functional Name	Canton
Abbreviation	
Classification Type Name	
Object Type Name	

Number Of Columns	3
Number Of Rows Min.	0
Number Of Rows Max.	9999999
Expected Number Of Rows	0
Expected Growth	0
Growth Interval	Year

#### Columns

No	Column Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Security	Abbreviation
1	codigo	P		Y	NUMERIC - AI - ID	LT				
2	nombre			Y	NVARCHAR (20 CHAR)	LT				
3	provincia		F	Y	NUMERIC	LT				

#### Indexes

Index Name	State	Functional	Spatial	Expression	Column Name	Sort Order
PK_Canton	PK				codigo	ASC

#### Foreign Keys (referring to)

Name	Referring To	Mandatory	Transferable	In Arc	Columns	Referred Columns	Delete Rule
FK_Canton_Provincia	Provincia	Y	Y		provincia	codigo	

#### Foreign Keys (referred from)

Name	Referred From	Mandatory	Transferable	In Arc	Columns	Referred Columns	Delete Rule
FK_Distrito_Canton	Distrito	Y	Y		canton	codigo	



Table Name	Clase
Functional Name	Clase
Abbreviation	
Classification Type Name	
Object Type Name	

Number Of Columns	3
Number Of Rows Min.	0
Number Of Rows Max.	9999999
Expected Number Of Rows	0
Expected Growth	0
Growth Interval	Year

#### Columns

No	Column Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Security	Abbreviation
1	codigoClase	P		Y	NUMERIC - AI - ID	LT				
2	nombre			Y	NVARCHAR (15 CHAR)	LT				
3	division		F	Y	NUMERIC	LT				

#### Indexes

Index Name	State	Functional	Spatial	Expression	Column Name	Sort Order
PK_Clase	PK				codigoClase	ASC
UN_Clase	UK				nombre	ASC

#### Foreign Keys (referring to)

Name	Referring To	Mandatory	Transferable	In Arc	Columns	Referred Columns	Delete Rule
FK_Clase_Division	Division	Y	Y		division	codigoDivision	

#### Foreign Keys (referred from)

Name	Referred From	Mandatory	Transferable	In Arc	Columns	Referred Columns	Delete Rule
FK_Orden_Clase	Orden	Y	Y		clase	codigoClase	

Table Name	Colaborador
Functional Name	Colaborador
Abbreviation	
Classification Type Name	
Object Type Name	

Number Of Columns	4
Number Of Rows Min.	0
Number Of Rows Max.	9999999
Expected Number Of Rows	0
Expected Growth	0
Growth Interval	Year

#### Columns

No	Column Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Security	Abbreviation
1	codigoColaborador	P		Y	NUMERIC - AI - ID	LT				
2	activo				NVARCHAR (10)	LT				
3	encargado		F	Y	NUMERIC	LT				
4	Persona_cedula		F	Y	NUMERIC (9)	LT				

#### Indexes

Index Name	State	Functional	Spatial	Expression	Column Name	Sort Order
PK_Colaborador	PK				codigoColaborador	ASC
Colaborador__IDX	UN				Persona_cedula	ASC

#### Foreign Keys (referring to)

Name	Referring To	Mandatory	Transferable	In Arc	Columns	Referred Columns	Delete Rule
FK_Colaborador_Colaborador	Colaborador	Y	Y		encargado	codigoColaborador	
FK_Colaborador_Persona	Persona	Y	Y		Persona_cedula	cedula	

#### Foreign Keys (referred from)

Name	Referred From	Mandatory	Transferable	In Arc	Columns	Referred Columns	Delete Rule
FK_Abono_Colaborador	Abono	Y	Y		codigoColaborador	codigoColaborador	
FK_ColabHuerta_Colaborador	ColaboradorHuerta	Y	Y		colaborador	codigoColaborador	
FK_Colaborador_Colaborador	Colaborador	Y	Y		encargado	codigoColaborador	

Table Name	ColaboradorHuerta
Functional Name	ColaboradorHuerta
Abbreviation	
Classification Type Name	
Object Type Name	

Number Of Columns	2
Number Of Rows Min.	0
Number Of Rows Max.	9999999
Expected Number Of Rows	0
Expected Growth	0
Growth Interval	Year

Columns

No	Column Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Security	Abbreviation
1	huerta		F	Y	NUMERIC	LT				
2	colaborador		F	Y	NUMERIC	LT				

Indexes

Index Name	State	Functional	Spatial	Expression	Column Name	Sort Order
UN_ColaboradorHuerta	UK				colaborador	ASC
					huerta	ASC

Foreign Keys (referring to)

Name	Referring To	Mandatory	Transferable	In Arc	Columns	Referred Columns	Delete Rule
FK_ColaboradorHuerta_Huerta	Huerta	Y	Y		huerta	codigoHuerta	
FK_ColabHuerta_Colaborador	Colaborador	Y	Y		colaborador	codigoColaborador	

Table Name	Color
Functional Name	Color
Abbreviation	
Classification Type Name	
Object Type Name	

Number Of Columns	3
Number Of Rows Min.	0
Number Of Rows Max.	9999999
Expected Number Of Rows	0
Expected Growth	0
Growth Interval	Year

Columns

No	Column Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Security	Abbreviation
1	codigoColor	P		Y	NUMERIC - AI - ID	LT				
2	nombre			Y	NVARCHAR (10 CHAR)	LT				
3	descripcion				NVARCHAR (20 CHAR)	LT				

Indexes

Index Name	State	Functional	Spatial	Expression	Column Name	Sort Order
PK_ColorHortaliza	PK				codigoColor	ASC
UN_ColorHortaliza	UK				nombre	ASC

Foreign Keys (referred from)

Name	Referred From	Mandatory	Transferable	In Arc	Columns	Referred Columns	Delete Rule
FK_Hortaliza_ColorHortaliza	Hortaliza	Y	Y		codigoColor	codigoColor	
FK_VitaminaColor_Color	VitaminaColor	Y	Y		codigoColor	codigoColor	

Table Name	Distrito
Functional Name	Distrito
Abbreviation	
Classification Type Name	
Object Type Name	

Number Of Columns	3
Number Of Rows Min.	0
Number Of Rows Max.	9999999
Expected Number Of Rows	0
Expected Growth	0
Growth Interval	Year

#### Columns

No	Column Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Security	Abbreviation
1	codigo	P		Y	NUMERIC - AI - ID	LT				
2	nombre			Y	NVARCHAR (20 CHAR)	LT				
3	canton		F	Y	NUMERIC	LT				

#### Indexes

Index Name	State	Functional	Spatial	Expression	Column Name	Sort Order
PK_Distrito	PK				codigo	ASC

#### Foreign Keys (referring to)

Name	Referring To	Mandatory	Transferable	In Arc	Columns	Referred Columns	Delete Rule
FK_Distrito_Canton	Canton	Y	Y		canton	codigo	

#### Foreign Keys (referred from)

Name	Referred From	Mandatory	Transferable	In Arc	Columns	Referred Columns	Delete Rule
FK_Huerta_Distrito	Huerta	Y	Y		ubicacion	codigo	

Table Name	Division
Functional Name	Division
Abbreviation	
Classification Type Name	
Object Type Name	

Number Of Columns	2
Number Of Rows Min.	0
Number Of Rows Max.	9999999
Expected Number Of Rows	0
Expected Growth	0
Growth Interval	Year

#### Columns

No	Column Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Security	Abbreviation
1	codigoDivision	P		Y	NUMERIC - AI - ID	LT				
2	nombre			Y	NVARCHAR (15 CHAR)	LT				

#### Indexes

Index Name	State	Functional	Spatial	Expression	Column Name	Sort Order
PK_Division	PK				codigoDivision	ASC
UN_Division	UK				nombre	ASC

#### Foreign Keys (referred from)

Name	Referred From	Mandatory	Transferable	In Arc	Columns	Referred Columns	Delete Rule
FK_Clase_Division	Clase	Y	Y		division	codigoDivision	

Table Name	EmailPersona
Functional Name	EmailPersona
Abbreviation	
Classification Type Name	
Object Type Name	

Number Of Columns	2
Number Of Rows Min.	0
Number Of Rows Max.	9999999
Expected Number Of Rows	0
Expected Growth	0
Growth Interval	Year

Columns

No	Column Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Security	Abbreviation
1	email			Y	NVARCHAR (20 CHAR)	LT				
2	cedula		F	Y	NUMERIC (9)	LT				

Indexes

Index Name	State	Functional	Spatial	Expression	Column Name	Sort Order
UN_EmailPersona	UK				email	ASC
					cedula	ASC

Foreign Keys (referring to)

Name	Referring To	Mandatory	Transferable	In Arc	Columns	Referred Columns	Delete Rule
FK_EmailPersona_Persona	Persona	Y	Y		cedula	cedula	

Table Name	Especie
Functional Name	Especie
Abbreviation	
Classification Type Name	
Object Type Name	

Number Of Columns	3
Number Of Rows Min.	0
Number Of Rows Max.	9999999
Expected Number Of Rows	0
Expected Growth	0
Growth Interval	Year

#### Columns

No	Column Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Security	Abbreviation
1	codigoEspecie	P		Y	NUMERIC - AI - ID	LT				
2	nombre			Y	NVARCHAR (15 CHAR)	LT				
3	genero		F	Y	NUMERIC	LT				

#### Indexes

Index Name	State	Functional	Spatial	Expression	Column Name	Sort Order
PK_Especie	PK				codigoEspecie	ASC
UN_Especie	UK				nombre	ASC

#### Foreign Keys (referring to)

Name	Referring To	Mandatory	Transferable	In Arc	Columns	Referred Columns	Delete Rule
FK_Especie_Genero	Genero	Y	Y		genero	codigoGenero	

#### Foreign Keys (referred from)

Name	Referred From	Mandatory	Transferable	In Arc	Columns	Referred Columns	Delete Rule
FK_Arbol_Especie	Arbol	Y	Y		especie	codigoEspecie	



Table Name	Familia
Functional Name	Familia
Abbreviation	
Classification Type Name	
Object Type Name	

Number Of Columns	3
Number Of Rows Min.	0
Number Of Rows Max.	9999999
Expected Number Of Rows	0
Expected Growth	0
Growth Interval	Year

#### Columns

No	Column Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Security	Abbreviation
1	codigoFamilia	P		Y	NUMERIC - AI - ID	LT				
2	nombre			Y	NVARCHAR (15 CHAR)	LT				
3	orden		F	Y	NUMERIC	LT				

#### Indexes

Index Name	State	Functional	Spatial	Expression	Column Name	Sort Order
PK_Familia	PK				codigoFamilia	ASC
UN_Familia	UK				nombre	ASC

#### Foreign Keys (referring to)

Name	Referring To	Mandatory	Transferable	In Arc	Columns	Referred Columns	Delete Rule
FK_Familia_Orden	Orden	Y	Y		orden	codigoOrden	

#### Foreign Keys (referred from)

Name	Referred From	Mandatory	Transferable	In Arc	Columns	Referred Columns	Delete Rule
FK_Genero_Familia	Genero	Y	Y		familia	codigoFamilia	

Table Name	Genero
Functional Name	Genero
Abbreviation	
Classification Type Name	
Object Type Name	

Number Of Columns	3
Number Of Rows Min.	0
Number Of Rows Max.	9999999
Expected Number Of Rows	0
Expected Growth	0
Growth Interval	Year

#### Columns

No	Column Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Security	Abbreviation
1	codigoGenero	P		Y	NUMERIC - AI - ID	LT				
2	nombre			Y	NVARCHAR (15 CHAR)	LT				
3	familia		F	Y	NUMERIC	LT				

#### Indexes

Index Name	State	Functional	Spatial	Expression	Column Name	Sort Order
PK_Genero	PK				codigoGenero	ASC
UN_Genero	UK				nombre	ASC

#### Foreign Keys (referring to)

Name	Referring To	Mandatory	Transferable	In Arc	Columns	Referred Columns	Delete Rule
FK_Genero_Familia	Familia	Y	Y		familia	codigoFamilia	

#### Foreign Keys (referred from)

Name	Referred From	Mandatory	Transferable	In Arc	Columns	Referred Columns	Delete Rule
FK_Especie_Genero	Especie	Y	Y		genero	codigoGenero	

Table Name	Hortaliza
Functional Name	Hortaliza
Abbreviation	
Classification Type Name	
Object Type Name	

Number Of Columns	3
Number Of Rows Min.	0
Number Of Rows Max.	9999999
Expected Number Of Rows	0
Expected Growth	0
Growth Interval	Year

#### Columns

No	Column Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Security	Abbreviation
1	codigoPlanta	P	F	Y	NUMERIC - AI - ID	LT				
2	codigoTipo		F	Y	NUMERIC	LT				
3	codigoColor		F	Y	NUMERIC	LT				

#### Indexes

Index Name	State	Functional	Spatial	Expression	Column Name	Sort Order
PK_Hortaliza	PK				codigoPlanta	ASC

#### Foreign Keys (referring to)

Name	Referring To	Mandatory	Transferable	In Arc	Columns	Referred Columns	Delete Rule
FK_Hortaliza_ColorHortaliza	Color	Y	Y		codigoColor	codigoColor	
FK_Hortaliza_TipoHortaliza	TipoHortaliza	Y	Y		codigoTipo	codigoTipo	
FK_Hortaliza_Planta	Planta	Y	Y		codigoPlanta	codigoPlanta	

#### Foreign Keys (referred from)

Name	Referred From	Mandatory	Transferable	In Arc	Columns	Referred Columns	Delete Rule
FK_PropHortaliza_Hortaliza	PropiedadHortaliza	Y	Y		codigoPlanta	codigoPlanta	

Table Name	Huerta
Functional Name	Huerta
Abbreviation	
Classification Type Name	
Object Type Name	

Number Of Columns	5
Number Of Rows Min.	0
Number Of Rows Max.	9999999
Expected Number Of Rows	0
Expected Growth	0
Growth Interval	Year

#### Columns

No	Column Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Security	Abbreviation
1	codigoHuerta	P		Y	NUMERIC - AI - ID	LT				
2	nombre			Y	NVARCHAR (15 CHAR)	LT				
3	activo				NVARCHAR (10 CHAR)	LT				
4	ubicacion		F	Y	NUMERIC	LT				
5	localizacion		F	Y	NUMERIC	LT				

#### Indexes

Index Name	State	Functional	Spatial	Expression	Column Name	Sort Order
PK_Huerta	PK				codigoHuerta	ASC
UN_Huerta	UK				nombre	ASC
Huerta__IDX	UN				localizacion	ASC

#### Foreign Keys (referring to)

Name	Referring To	Mandatory	Transferable	In Arc	Columns	Referred Columns	Delete Rule
FK_Huerta_Distrito	Distrito	Y	Y		ubicacion	codigo	
FK_Huerta_Localizacion	Localizacion	Y	Y		localizacion	codigo	

#### Foreign Keys (referred from)

Name	Referred From	Mandatory	Transferable	In Arc	Columns	Referred Columns	Delete Rule
FK_Abono_Huerta	Abono	Y	Y		codigoHuerta	codigoHuerta	

Name	Referred From	Mandatory	Transferable	In Arc	Columns	Referred Columns	Delete Rule
FK_CalificacionHuerta_Huerta	CalificacionHuerta	Y	Y		codigoHuerta	codigoHuerta	
FK_ColaboradorHuerta_Huerta	ColaboradorHuerta	Y	Y		huerta	codigoHuerta	
FK_PlantaHuerta_Huerta	PlantaHuerta	Y	Y		huerta	codigoHuerta	
FK_Transaccion_Huerta	Transaccion	Y	Y		huerta	codigoHuerta	

Table Name	Localizacion
Functional Name	Localizacion
Abbreviation	
Classification Type Name	
Object Type Name	

Number Of Columns	3
Number Of Rows Min.	0
Number Of Rows Max.	9999999
Expected Number Of Rows	0
Expected Growth	0
Growth Interval	Year

#### Columns

No	Column Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Security	Abbreviation
1	codigo	P		Y	NUMERIC - AI - ID	LT				
2	xCoord				NUMERIC (8,6)	LT				
3	yCoord				NUMERIC (8,6)	LT				

#### Indexes

Index Name	State	Functional	Spatial	Expression	Column Name	Sort Order
PK_Localizacion	PK				codigo	ASC
UN_Localizacion	UK				xCoord	ASC
					yCoord	ASC

#### Foreign Keys (referred from)

Name	Referred From	Mandatory	Transferable	In Arc	Columns	Referred Columns	Delete Rule
FK_Huerta_Localizacion	Huerta	Y	Y		localizacion	codigo	

Table Name	Orden
Functional Name	Orden
Abbreviation	
Classification Type Name	
Object Type Name	

Number Of Columns	3
Number Of Rows Min.	0
Number Of Rows Max.	9999999
Expected Number Of Rows	0
Expected Growth	0
Growth Interval	Year

#### Columns

No	Column Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Security	Abbreviation
1	codigoOrden	P		Y	NUMERIC - AI - ID	LT				
2	nombre			Y	NVARCHAR (15 CHAR)	LT				
3	clase		F	Y	NUMERIC	LT				

#### Indexes

Index Name	State	Functional	Spatial	Expression	Column Name	Sort Order
PK_Orden	PK				codigoOrden	ASC
UN_Orden	UK				nombre	ASC

#### Foreign Keys (referring to)

Name	Referring To	Mandatory	Transferable	In Arc	Columns	Referred Columns	Delete Rule
FK_Orden_Clase	Clase	Y	Y		clase	codigoClase	

#### Foreign Keys (referred from)

Name	Referred From	Mandatory	Transferable	In Arc	Columns	Referred Columns	Delete Rule
FK_Familia_Orden	Familia	Y	Y		orden	codigoOrden	

Table Name	Pais
Functional Name	Pais
Abbreviation	
Classification Type Name	
Object Type Name	

Number Of Columns	2
Number Of Rows Min.	0
Number Of Rows Max.	9999999
Expected Number Of Rows	0
Expected Growth	0
Growth Interval	Year

#### Columns

No	Column Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Security	Abbreviation
1	codigo	P		Y	NVARCHAR (3 CHAR)	LT				
2	nombre			Y	NVARCHAR (10 CHAR)	LT				

#### Indexes

Index Name	State	Functional	Spatial	Expression	Column Name	Sort Order
PK_Pais	PK				codigo	ASC

#### Foreign Keys (referred from)

Name	Referred From	Mandatory	Transferable	In Arc	Columns	Referred Columns	Delete Rule
FK_Persona_Pais	Persona	Y	Y		pais	codigo	
FK_Provincia_Pais	Provincia	Y	Y		pais	codigo	



Table Name	Persona
Functional Name	Persona
Abbreviation	
Classification Type Name	
Object Type Name	

Number Of Columns	8
Number Of Rows Min.	0
Number Of Rows Max.	9999999
Expected Number Of Rows	0
Expected Growth	0
Growth Interval	Year

#### Columns

No	Column Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Security	Abbreviation
1	cedula	P		Y	NUMERIC (9)	LT				
2	primerNombre			Y	NVARCHAR (10 CHAR)	LT				
3	segundoNombre				NVARCHAR (10 CHAR)	LT				
4	primerApellido			Y	NVARCHAR (10 CHAR)	LT				
5	segundoApellido				NVARCHAR (10 CHAR)	LT				
6	fechaNac			Y	Datetime	LT				
7	imagen				BLOB	LT				
8	pais		F	Y	NVARCHAR (3 CHAR)	LT				

#### Indexes

Index Name	State	Functional	Spatial	Expression	Column Name	Sort Order
PK_Persona	PK				cedula	ASC

#### Foreign Keys (referring to)

Name	Referring To	Mandatory	Transferable	In Arc	Columns	Referred Columns	Delete Rule
FK_Persona_Pais	Pais	Y	Y		pais	codigo	

#### Foreign Keys (referred from)

Name	Referred From	Mandatory	Transferable	In Arc	Columns	Referred Columns	Delete Rule
FK_Colaborador_Persona	Colaborador	Y	Y		Persona_cedula	cedula	

Name	Referred From	Mandatory	Transferable	In Arc	Columns	Referred Columns	Delete Rule
FK_EmailPersona_Persona	EmailPersona	Y	Y		cedula	cedula	
FK_TelefonoPersona_Persona	TelefonoPersona	Y	Y		cedula	cedula	
FK_Transaccion_Persona	Transaccion	Y	Y		cedula	cedula	
FK_Usuario_Persona	Usuario	Y	Y		cedula	cedula	

Table Name	Planta
Functional Name	Planta
Abbreviation	
Classification Type Name	
Object Type Name	

Number Of Columns	4
Number Of Rows Min.	0
Number Of Rows Max.	9999999
Expected Number Of Rows	0
Expected Growth	0
Growth Interval	Year

#### Columns

No	Column Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Security	Abbreviation
1	codigoPlanta	P		Y	NUMERIC - AI - ID	LT				
2	nombre			Y	VARCHAR (15 CHAR)	LT				
3	activo				NVARCHAR (10 CHAR)	LT				
4	imagen			Y	BLOB	LT				

#### Indexes

Index Name	State	Functional	Spatial	Expression	Column Name	Sort Order
PK_Planta	PK				codigoPlanta	ASC

#### Foreign Keys (referred from)

Name	Referred From	Mandatory	Transferable	In Arc	Columns	Referred Columns	Delete Rule
FK_Abono_Planta	Abono	Y	Y		codigoPlanta	codigoPlanta	
FK_Arbol_Planta	Arbol	Y	Y		codigoPlanta	codigoPlanta	
FK_Hortaliza_Planta	Hortaliza	Y	Y		codigoPlanta	codigoPlanta	
FK_PlantaHuerta_Planta	PlantaHuerta	Y	Y		planta	codigoPlanta	
FK_Transaccion_Planta	Transaccion	Y	Y		planta	codigoPlanta	

Table Name	PlantaHuerta
Functional Name	PlantaHuerta
Abbreviation	
Classification Type Name	
Object Type Name	

Number Of Columns	3
Number Of Rows Min.	0
Number Of Rows Max.	9999999
Expected Number Of Rows	0
Expected Growth	0
Growth Interval	Year

Columns

No	Column Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Security	Abbreviation
1	precio			Y	NUMERIC (12,2)	LT		0		
2	planta		F	Y	NUMERIC	LT				
3	huerta		F	Y	NUMERIC	LT				

Indexes

Index Name	State	Functional	Spatial	Expression	Column Name	Sort Order
UN_PlantaHuerta	UK				planta	ASC
					huerta	ASC

Constraints

Type	Column / Constraint Name	Details			
Column Level	precio	Ranges			
		Begin Value	End Value	Description	
		0			

Foreign Keys (referring to)

Name	Refering To	Mandatory	Transferable	In Arc	Columns	Referred Columns	Delete Rule
FK_PlantaHuerta_Planta	Planta	Y	Y		planta	codigoPlanta	
FK_PlantaHuerta_Huerta	Huerta	Y	Y		huerta	codigoHuerta	

Table Name	Propiedad
Functional Name	Propiedad
Abbreviation	
Classification Type Name	
Object Type Name	

Number Of Columns	2
Number Of Rows Min.	0
Number Of Rows Max.	9999999
Expected Number Of Rows	0
Expected Growth	0
Growth Interval	Year

#### Columns

No	Column Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Security	Abbreviation
1	codigoPropiedad	P		Y	NUMERIC - AI - ID	LT				
2	descripcion			Y	NVARCHAR (20 CHAR)	LT				

#### Indexes

Index Name	State	Functional	Spatial	Expression	Column Name	Sort Order
PK_Propiedad	PK				codigoPropiedad	ASC

#### Foreign Keys (referred from)

Name	Referred From	Mandatory	Transferable	In Arc	Columns	Referred Columns	Delete Rule
FK_PropHortaliza_Propiedad	PropiedadHortaliza	Y	Y		codigoPropiedad	codigoPropiedad	

Table Name	PropiedadHortaliza
Functional Name	PropiedadHortaliza
Abbreviation	
Classification Type Name	
Object Type Name	

Number Of Columns	2
Number Of Rows Min.	0
Number Of Rows Max.	9999999
Expected Number Of Rows	0
Expected Growth	0
Growth Interval	Year

Columns

No	Column Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Security	Abbreviation
1	codigoPropiedad	P	F	Y	NUMERIC	LT				
2	codigoPlanta	P	F	Y	NUMERIC	LT				

Indexes

Index Name	State	Functional	Spatial	Expression	Column Name	Sort Order
PK_PropiedadHortaliza	PK				codigoPropiedad	ASC
					codigoPlanta	ASC

Foreign Keys (referring to)

Name	Referring To	Mandatory	Transferable	In Arc	Columns	Referred Columns	Delete Rule
FK_PropHortaliza_Hortaliza	Hortaliza	Y	Y		codigoPlanta	codigoPlanta	
FK_PropHortaliza_Propiedad	Propiedad	Y	Y		codigoPropiedad	codigoPropiedad	

Table Name	Provincia
Functional Name	Provincia
Abbreviation	
Classification Type Name	
Object Type Name	

Number Of Columns	3
Number Of Rows Min.	0
Number Of Rows Max.	9999999
Expected Number Of Rows	0
Expected Growth	0
Growth Interval	Year

Columns

No	Column Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Security	Abbreviation
1	codigo	P		Y	NUMERIC - AI - ID	LT				
2	nombre			Y	NVARCHAR (20 CHAR)	LT				
3	pais		F	Y	NVARCHAR (3 CHAR)	LT				

Indexes

Index Name	State	Functional	Spatial	Expression	Column Name	Sort Order
PK_Provincia	PK				codigo	ASC

Foreign Keys (referring to)

Name	Referring To	Mandatory	Transferable	In Arc	Columns	Referred Columns	Delete Rule
FK_Provincia_Pais	Pais	Y	Y		pais	codigo	

Foreign Keys (referred from)

Name	Referred From	Mandatory	Transferable	In Arc	Columns	Referred Columns	Delete Rule
FK_Canton_Provincia	Canton	Y	Y		provincia	codigo	

Table Name	TelefonoPersona
Functional Name	TelefonoPersona
Abbreviation	
Classification Type Name	
Object Type Name	

Number Of Columns	2
Number Of Rows Min.	0
Number Of Rows Max.	9999999
Expected Number Of Rows	0
Expected Growth	0
Growth Interval	Year

Columns

No	Column Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Security	Abbreviation
1	telefono			Y	NVARCHAR (20 CHAR)	LT				
2	cedula		F	Y	NUMERIC (9)	LT				

Indexes

Index Name	State	Functional	Spatial	Expression	Column Name	Sort Order
UN_TelefonoPersona	UK				telefono	ASC
					cedula	ASC

Foreign Keys (referring to)

Name	Referring To	Mandatory	Transferable	In Arc	Columns	Referred Columns	Delete Rule
FK_TelefonoPersona_Persona	Persona	Y	Y		cedula	cedula	



Table Name	TipoCambium
Functional Name	TipoCambium
Abbreviation	
Classification Type Name	
Object Type Name	

Number Of Columns	2
Number Of Rows Min.	0
Number Of Rows Max.	9999999
Expected Number Of Rows	0
Expected Growth	0
Growth Interval	Year

Columns

No	Column Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Security	Abbreviation
1	codigoCambium	P		Y	NUMERIC - AI - ID	LT				
2	descripcion			Y	NVARCHAR (20 CHAR)	LT				

Indexes

Index Name	State	Functional	Spatial	Expression	Column Name	Sort Order
PK_TipoCambium	PK				codigoCambium	ASC

Foreign Keys (referred from)

Name	Referred From	Mandatory	Transferable	In Arc	Columns	Referred Columns	Delete Rule
FK_Arbol_TipoCambium	Arbol	Y	Y		cambium	codigoCambium	

Table Name	TipoCorteza
Functional Name	TipoCorteza
Abbreviation	
Classification Type Name	
Object Type Name	

Number Of Columns	2
Number Of Rows Min.	0
Number Of Rows Max.	9999999
Expected Number Of Rows	0
Expected Growth	0
Growth Interval	Year

#### Columns

No	Column Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Security	Abbreviation
1	codigoCorteza	P		Y	NUMERIC - AI - ID	LT				
2	descripcion			Y	NVARCHAR (20 CHAR)	LT				

#### Indexes

Index Name	State	Functional	Spatial	Expression	Column Name	Sort Order
PK_TipoCorteza	PK				codigoCorteza	ASC

#### Foreign Keys (referred from)

Name	Referred From	Mandatory	Transferable	In Arc	Columns	Referred Columns	Delete Rule
FK_Arbol_TipoCorteza	Arbol	Y	Y		corteza	codigoCorteza	

Table Name	TipoHortaliza
Functional Name	TipoHortaliza
Abbreviation	
Classification Type Name	
Object Type Name	

Number Of Columns	2
Number Of Rows Min.	0
Number Of Rows Max.	9999999
Expected Number Of Rows	0
Expected Growth	0
Growth Interval	Year

Columns

No	Column Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Security	Abbreviation
1	codigoTipo	P		Y	NUMERIC - AI - ID	LT				
2	descripcion			Y	NVARCHAR (20 CHAR)	LT				

Indexes

Index Name	State	Functional	Spatial	Expression	Column Name	Sort Order
PK_TipoHortaliza	PK				codigoTipo	ASC

Foreign Keys (referred from)

Name	Referred From	Mandatory	Transferable	In Arc	Columns	Referred Columns	Delete Rule
FK_Hortaliza_TipoHortaliza	Hortaliza	Y	Y		codigoTipo	codigoTipo	

Table Name	TipoTransaccion
Functional Name	TipoTransaccion
Abbreviation	
Classification Type Name	
Object Type Name	

Number Of Columns	2
Number Of Rows Min.	0
Number Of Rows Max.	9999999
Expected Number Of Rows	0
Expected Growth	0
Growth Interval	Year

Columns

No	Column Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Security	Abbreviation
1	codigoTipo	P		Y	NUMERIC - AI - ID	LT				
2	nombre			Y	NVARCHAR (15 CHAR)	LT				

Indexes

Index Name	State	Functional	Spatial	Expression	Column Name	Sort Order
PK_TipoTransaccion	PK				codigoTipo	ASC
UN_TipoTransaccion	UK				nombre	ASC

Foreign Keys (referred from)

Name	Referred From	Mandatory	Transferable	In Arc	Columns	Referred Columns	Delete Rule
FK_Transaccion_TipoTransaccion	Transaccion	Y	Y		tipoTransaccion	codigoTipo	

Table Name	TipoUsuario
Functional Name	TipoUsuario
Abbreviation	
Classification Type Name	
Object Type Name	

Number Of Columns	2
Number Of Rows Min.	0
Number Of Rows Max.	9999999
Expected Number Of Rows	0
Expected Growth	0
Growth Interval	Year

Columns

No	Column Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Security	Abbreviation
1	codigo	P		Y	NUMERIC - AI - ID	LT				
2	tipo			Y	NVARCHAR (15 CHAR)	LT				

Indexes

Index Name	State	Functional	Spatial	Expression	Column Name	Sort Order
PK_TipoUsuario	PK				codigo	ASC

Foreign Keys (referred from)

Name	Referred From	Mandatory	Transferable	In Arc	Columns	Referred Columns	Delete Rule
FK_Usuario_TipoUsuario	Usuario	Y	Y		tipoUsuario	codigo	

Table Name	TipoXilema
Functional Name	TipoXilema
Abbreviation	
Classification Type Name	
Object Type Name	

Number Of Columns	2
Number Of Rows Min.	0
Number Of Rows Max.	9999999
Expected Number Of Rows	0
Expected Growth	0
Growth Interval	Year

Columns

No	Column Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Security	Abbreviation
1	codigoXilema	P		Y	NUMERIC - AI - ID	LT				
2	descripcion			Y	NVARCHAR (20 CHAR)	LT				

Indexes

Index Name	State	Functional	Spatial	Expression	Column Name	Sort Order
PK_TipoXilema	PK				codigoXilema	ASC

Foreign Keys (referred from)

Name	Referred From	Mandatory	Transferable	In Arc	Columns	Referred Columns	Delete Rule
FK_Arbol_TipoXilema	Arbol	Y	Y		xilema	codigoXilema	

Table Name	Transaccion
Functional Name	Transaccion
Abbreviation	
Classification Type Name	
Object Type Name	

Number Of Columns	6
Number Of Rows Min.	0
Number Of Rows Max.	9999999
Expected Number Of Rows	0
Expected Growth	0
Growth Interval	Year

#### Columns

No	Column Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Security	Abbreviation
1	codigoTransaccion	P		Y	NUMERIC - AI - ID	LT				
2	fechaHora			Y	Datetime	LT				
3	tipoTransaccion		F	Y	NUMERIC	LT				
4	huerta		F	Y	NUMERIC	LT				
5	planta		F	Y	NUMERIC	LT				
6	cedula		F	Y	NUMERIC (9)	LT				

#### Indexes

Index Name	State	Functional	Spatial	Expression	Column Name	Sort Order
PK_Transaccion	PK				codigoTransaccion	ASC

#### Foreign Keys (referring to)

Name	Referring To	Mandatory	Transferable	In Arc	Columns	Referred Columns	Delete Rule
FK_Transaccion_Huerta	Huerta	Y	Y		huerta	codigoHuerta	
FK_Transaccion_TipoTransaccion	TipoTransaccion	Y	Y		tipoTransaccion	codigoTipo	
FK_Transaccion_Persona	Persona	Y	Y		cedula	cedula	
FK_Transaccion_Planta	Planta	Y	Y		planta	codigoPlanta	

Table Name	Usuario
Functional Name	Usuario
Abbreviation	
Classification Type Name	
Object Type Name	

Number Of Columns	5
Number Of Rows Min.	0
Number Of Rows Max.	9999999
Expected Number Of Rows	0
Expected Growth	0
Growth Interval	Year

Columns

No	Column Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Security	Abbreviation
1	username	P		Y	NVARCHAR (15 CHAR)	LT				
2	password			Y	NVARCHAR (15 CHAR)	LT				
3	estado			Y	NVARCHAR (7 CHAR)	LT				
4	tipoUsuario		F	Y	NUMERIC	LT				
5	cedula		F	Y	NUMERIC (9)	LT				

Indexes

Index Name	State	Functional	Spatial	Expression	Column Name	Sort Order
PK_Usuario	PK				username	ASC
UN_Usuario	UK				cedula	ASC

Constraints

Type	Column / Constraint Name	Details	
Column Level	estado	Values List	
		Value	Description
		'OFFLINE'	
		'ONLINE'	

Foreign Keys (referring to)



Name	Referring To	Mandatory	Transferable	In Arc	Columns	Referred Columns	Delete Rule
FK_Usuario_TipoUsuario	TipoUsuario	Y	Y		tipoUsuario	codigo	
FK_Usuario_Persona	Persona	Y	Y		cedula	cedula	

Foreign Keys (referred from)

Name	Referred From	Mandatory	Transferable	In Arc	Columns	Referred Columns	Delete Rule
FK_CalificacionHuerta_Usuario	CalificacionHuerta	Y	Y		username	username	
FK_CambioClave_Usuario	CambioClave	Y	Y		username	username	

Table Name	Vitamina
Functional Name	Vitamina
Abbreviation	
Classification Type Name	
Object Type Name	

Number Of Columns	2
Number Of Rows Min.	0
Number Of Rows Max.	9999999
Expected Number Of Rows	0
Expected Growth	0
Growth Interval	Year

Columns

No	Column Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Security	Abbreviation
1	codigoVitamina	P		Y	NUMERIC - AI - ID	LT				
2	nombre			Y	NVARCHAR (15 CHAR)	LT				

Indexes

Index Name	State	Functional	Spatial	Expression	Column Name	Sort Order
PK_Vitamina	PK				codigoVitamina	ASC
UN_Vitamina	UK				nombre	ASC

Foreign Keys (referred from)

Name	Referred From	Mandatory	Transferable	In Arc	Columns	Referred Columns	Delete Rule
FK_VitaminaColor_Vitamina	VitaminaColor	Y	Y		codigoVitamina	codigoVitamina	

Table Name	VitaminaColor
Functional Name	VitaminaColor
Abbreviation	
Classification Type Name	
Object Type Name	

Number Of Columns	2
Number Of Rows Min.	0
Number Of Rows Max.	9999999
Expected Number Of Rows	0
Expected Growth	0
Growth Interval	Year

Columns

No	Column Name	PK	FK	M	Data Type	DT kind	Domain Name	Formula (Default Value)	Security	Abbreviation
1	codigoVitamina	P	F	Y	NUMERIC	LT				
2	codigoColor	P	F	Y	NUMERIC	LT				

Indexes

Index Name	State	Functional	Spatial	Expression	Column Name	Sort Order
PK_VitaminaColor	PK				codigoVitamina	ASC
					codigoColor	ASC
UN_VitaminaColor	UK				codigoVitamina	ASC
					codigoColor	ASC

Foreign Keys (referring to)

Name	Refering To	Mandatory	Transferable	In Arc	Columns	Referred Columns	Delete Rule
FK_VitaminaColor_Color	Color	Y	Y		codigoColor	codigoColor	
FK_VitaminaColor_Vitamina	Vitamina	Y	Y		codigoVitamina	codigoVitamina	