

ITCR

p_user@localhost

















Data Dictionary

2017-10-16

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Legend

-  Primary key
-  Primary key disabled
-  User-defined primary key
-  Unique key
-  Unique key disabled
-  User-defined unique key
-  Active trigger
-  Disabled trigger
-  Primary key relation
-  User-defined primary key relation
-  Foreign key relation
-  User-defined foreign key relation
-  Input
-  Output
-  Input/Output
-  Nullable


1. p_user@localhost

1.1. Tables

1.1.1. Table: ACTION_HISTORY

Es un historial de todas las acciones que se han realizado en la base de datos





















Columns

	Name	Data type	N	Description / Attributes
	ACTION_ID	NUMBER(6, 0)		
	ACTION_NAME	VARCHAR2(10 BYTE)		
	TABLE_NAME	VARCHAR2(50 BYTE)		
	USER_NAME	VARCHAR2(50 BYTE)		
	ACTION_DATE	DATE		

Unique keys

	Columns	Name / Description
	ACTION_ID	ACTION_PK

Used by

	Name
	ACTION_HISTORY
	BEFOREDELETEADMIN_USER
	BEFOREDELETEANML_CLASS
	BEFOREDELETEANML_FAMILY
	BEFOREDELETEANML_GENDER
	BEFOREDELETEANML_ORDER
	BEFOREDELETEANML_SPECIE
	BEFOREDELETEANML_SUBORDER
	BEFOREDELETEBINNACLE
	BEFOREDELETECANTON
	BEFOREDELETECONTINENT
	BEFOREDELETECOUNTRY
	BEFOREDELETEDISTRICT
	BEFOREDELETEPROVINCE
	BEFOREDELETERATEXUSER
	BEFOREDELETESIGHT
	BEFOREDELETESYSTEM_PARAMETERS
	BEFOREDELETESYSTEM_USER
	BEFOREINSERTADMIN_USER
	BEFOREINSERTANML_CLASS

Name
⚡ BEFOREINSERTANML_FAMILY
⚡ BEFOREINSERTANML_GENDER
⚡ BEFOREINSERTANML_ORDER
⚡ BEFOREINSERTANML_SPECIE
⚡ BEFOREINSERTANML_SUBORDER
⚡ BEFOREINSERTBINNACLE
⚡ BEFOREINSERTCANTON
⚡ BEFOREINSERTCONTINENT
⚡ BEFOREINSERTCOUNTRY
⚡ BEFOREINSERTDISTRICT
⚡ BEFOREINSERTPROVINCE
⚡ BEFOREINSERTRATEXUSER
⚡ BEFOREINSERTSIGHT
⚡ BEFOREINSERTSYSTEM_PARAMETERS
⚡ BEFOREINSERTSYSTEM_USER
⚡ BEFOREUPDATEADMIN_USER
⚡ BEFOREUPDATEANML_CLASS
⚡ BEFOREUPDATEANML_FAMILY
⚡ BEFOREUPDATEANML_GENDER
⚡ BEFOREUPDATEANML_ORDER
⚡ BEFOREUPDATEANML_SPECIE
⚡ BEFOREUPDATEANML_SUBORDER
⚡ BEFOREUPDATEBINNACLE
⚡ BEFOREUPDATECANTON
⚡ BEFOREUPDATECONTINENT
⚡ BEFOREUPDATECOUNTRY
⚡ BEFOREUPDATEDISTRICT
⚡ BEFOREUPDATEPROVINCE
⚡ BEFOREUPDATERATEXUSER
⚡ BEFOREUPDATESIGHT
⚡ BEFOREUPDATESYSTEM_PARAMETERS
⚡ BEFOREUPDATESYSTEM_USER

1.1.2. Table: ADMIN_USER

Usuarios que pueden acceder a las opciones de administrador

Columns

Name	Data type	N	Description / Attributes
USER_ID	NUMBER(6, 0)		

Name	Data type	N	Description / Attributes
DATE_CREATION	DATE	N	
USER_CREATION	VARCHAR2(30 BYTE)	N	
DATE_MODIFICATION	DATE	N	
USER_MODIFICATION	VARCHAR2(30 BYTE)	N	

Links to

Table	Join	Title / Name / Description
➤ SYSTEM_USER	ADMIN_USER.USER_ID = SYSTEM_USER.USER_ID	SYS_C0011484

Triggers

Name	When	Description
⚡ BEFOREDELETEADMIN_USER	Before Delete	
⚡ BEFOREINSERTADMIN_USER	Before Insert	
⚡ BEFOREUPDATEADMIN_USER	Before Update	

Uses

Name
📄 ADMIN_USER
📄 SYSTEM_USER
⚡ BEFOREDELETEADMIN_USER
📄 ACTION_HISTORY
📄 ADMIN_USER
⚡ BEFOREINSERTADMIN_USER
📄 ACTION_HISTORY
📄 ADMIN_USER
⚡ BEFOREUPDATEADMIN_USER
📄 ACTION_HISTORY
📄 ADMIN_USER


Used by

Name
📄 ADMIN_USER
⚡ BEFOREDELETEADMIN_USER
⚡ BEFOREINSERTADMIN_USER
⚡ BEFOREUPDATEADMIN_USER

1.1.3. Table: ANML_CLASS

Grupo taxonómico que comprende varios órdenes de plantas o animales que presentan varios caracteres en común.

Columns

	Name	Data type	N	Description / Attributes
	CLASS_ID	NUMBER(6, 0)		
	CLASS_NAME	VARCHAR2(50 BYTE)		
	DATE_CREATION	DATE	<i>N</i>	
	USER_CREATION	VARCHAR2(30 BYTE)	<i>N</i>	
	DATE_MODIFICATION	DATE	<i>N</i>	
	USER_MODIFICATION	VARCHAR2(30 BYTE)	<i>N</i>	

Linked from

	Table	Join	Title / Name / Description
	ANML_ORDER	ANML_CLASS.CLASS_ID = ANML_ORDER.CLASS_ID	SYS_C0011010










Unique keys

	Columns	Name / Description
	CLASS_ID	CLASS_PK





Triggers


	Name	When	Description
	BEFOREDELETEANML_CLASS	Before Delete	
	BEFOREINSERTANML_CLASS	Before Insert	
	BEFOREUPDATEANML_CLASS	Before Update	

Uses

	Name
	BEFOREDELETEANML_CLASS
	ACTION_HISTORY
	ANML_CLASS
	BEFOREINSERTANML_CLASS
	ACTION_HISTORY
	ANML_CLASS
	BEFOREUPDATEANML_CLASS
	ACTION_HISTORY
	ANML_CLASS

Used by


	Name
	ANML_CLASS
	BEFOREDELETEANML_CLASS
	BEFOREINSERTANML_CLASS
	BEFOREUPDATEANML_CLASS

Name
 ANML_ORDER


1.1.4. Table: ANML_FAMILY

En biología, la familia es una unidad sistemática y una categoría taxonómica situada entre el orden y el género

Columns

	Name	Data type	N	Description / Attributes
	FAMILY_ID	NUMBER(6, 0)		
	SUBORDER_ID	NUMBER(6, 0)		
	FAMILY_NAME	VARCHAR2(50 BYTE)		
	DATE_CREATION	DATE	<i>N</i>	
	USER_CREATION	VARCHAR2(30 BYTE)	<i>N</i>	
	DATE_MODIFICATION	DATE	<i>N</i>	
	USER_MODIFICATION	VARCHAR2(30 BYTE)	<i>N</i>	

Links to

Table	Join	Title / Name / Description
 ANML_SUBORDER	ANML_FAMILY.SUBORDER_ID = ANML_SUBORDER.SUBORDER_ID	SYS_C0011012




Linked from

Table	Join	Title / Name / Description
 ANML_GENDER	ANML_FAMILY.FAMILY_ID = ANML_GENDER.FAMILY_ID	SYS_C0011013






Unique keys







Columns	Name / Description
 FAMILY_ID	FAMILY_PK

Triggers






Name	When	Description
 BEFOREDELETEANML_FAMILY	Before Delete	
 BEFOREINSERTANML_FAMILY	Before Insert	
 BEFOREUPDATEANML_FAMILY	Before Update	

Uses

Name
 ANML_FAMILY
 ANML_SUBORDER
 BEFOREDELETEANML_FAMILY
 ACTION_HISTORY
 ANML_FAMILY

Name
 BEFOREINSERTANML_FAMILY
 ACTION_HISTORY
 ANML_FAMILY
 BEFOREUPDATEANML_FAMILY
 ACTION_HISTORY
 ANML_FAMILY


Used by

Name
 ANML_FAMILY
 BEFOREDELETEANML_FAMILY
 BEFOREINSERTANML_FAMILY
 BEFOREUPDATEANML_FAMILY
 ANML_GENDER


1.1.5. Table: ANML_GENDER

En taxonomía, el género es una categoría taxonómica que se ubica entre la familia y la especie


Columns

	Name	Data type	N	Description / Attributes
	GENDER_ID	NUMBER(6, 0)		
	FAMILY_ID	NUMBER(6, 0)		
	GENDER_NAME	VARCHAR2(50 BYTE)		
	DATE_CREATION	DATE	N	
	USER_CREATION	VARCHAR2(30 BYTE)	N	
	DATE_MODIFICATION	DATE	N	
	USER_MODIFICATION	VARCHAR2(30 BYTE)	N	

Links to

Table	Join	Title / Name / Description
 ANML_FAMILY	ANML_GENDER.FAMILY_ID = ANML_FAMILY.FAMILY_ID	SYS_C0011013

Linked from

Table	Join	Title / Name / Description
 ANML_SPECIE	ANML_GENDER.GENDER_ID = ANML_SPECIE.GENDER_ID	SYS_C0011014

Unique keys

Columns	Name / Description
 GENDER_ID	GENDER_PK

Triggers

	Name	When	Description
⚡	BEFOREDELETEANML_GENDER	Before Delete	
⚡	BEFOREINSERTANML_GENDER	Before Insert	
⚡	BEFOREUPDATEANML_GENDER	Before Update	

Uses

	Name
📊	ANML_GENDER
📊	ANML_FAMILY
⚡	BEFOREDELETEANML_GENDER
📊	ACTION_HISTORY
📊	ANML_GENDER
⚡	BEFOREINSERTANML_GENDER
📊	ACTION_HISTORY
📊	ANML_GENDER
⚡	BEFOREUPDATEANML_GENDER
📊	ACTION_HISTORY
📊	ANML_GENDER

Used by

	Name
📊	ANML_GENDER
⚡	BEFOREDELETEANML_GENDER
⚡	BEFOREINSERTANML_GENDER
⚡	BEFOREUPDATEANML_GENDER
📊	ANML_SPECIE

1.1.6. Table: ANML_ORDER

El orden es la categoría taxonómica entre la clase y la familia

Columns

	Name	Data type	N	Description / Attributes
🔑	ORDER_ID	NUMBER(6, 0)		
	CLASS_ID	NUMBER(6, 0)		
	ORDER_NAME	VARCHAR2(50 BYTE)		
	DATE_CREATION	DATE	N	
	USER_CREATION	VARCHAR2(30 BYTE)	N	
	DATE_MODIFICATION	DATE	N	
	USER_MODIFICATION	VARCHAR2(30 BYTE)	N	

Links to

	Table	Join	Title / Name / Description
➤	ANML_CLASS	ANML_ORDER.CLASS_ID = ANML_CLASS.CLASS_ID	SYS_C0011010

Linked from

	Table	Join	Title / Name / Description
➤	ANML_SUBORDER	ANML_ORDER.ORDER_ID = ANML_SUBORDER.ORDER_ID	SYS_C0011011

Unique keys

	Columns	Name / Description
🔑	ORDER_ID	ORDER_PK

Triggers

	Name	When	Description
⚡	BEFOREDELETEANML_ORDER	Before Delete	
⚡	BEFOREINSERTANML_ORDER	Before Insert	
⚡	BEFOREUPDATEANML_ORDER	Before Update	

Uses

	Name
📊	ANML_ORDER
📊	ANML_CLASS
⚡	BEFOREDELETEANML_ORDER
📊	ACTION_HISTORY
📊	ANML_ORDER
⚡	BEFOREINSERTANML_ORDER
📊	ACTION_HISTORY
📊	ANML_ORDER
⚡	BEFOREUPDATEANML_ORDER
📊	ACTION_HISTORY
📊	ANML_ORDER


Used by

	Name
📊	ANML_ORDER
⚡	BEFOREDELETEANML_ORDER
⚡	BEFOREINSERTANML_ORDER
⚡	BEFOREUPDATEANML_ORDER
📊	ANML_SUBORDER

1.1.7. Table: ANML_SPECIE

Una especie se define a menudo como el conjunto de organismos o poblaciones naturales capaces de entrecruzarse y de producir descendencia fértil.


Columns

	Name	Data type	N	Description / Attributes
	SPECIE_ID	NUMBER(6, 0)		
	GENDER_ID	NUMBER(6, 0)		
	SPECIE_NAME	VARCHAR2(50 BYTE)		
	ENGLISH_NAME	VARCHAR2(50 BYTE)		
	SPANISH_NAME	VARCHAR2(50 BYTE)		
	SCIENTIFIC_NAME	VARCHAR2(50 BYTE)		
	SPECIE_COLOR	VARCHAR2(50 BYTE)		
	SPECIE_SIZE	VARCHAR2(50 BYTE)		
	DANGER_OF_EXTINCTION	NUMBER(1, 0)		
	DATE_CREATION	DATE	<i>N</i>	
	USER_CREATION	VARCHAR2(30 BYTE)	<i>N</i>	
	DATE_MODIFICATION	DATE	<i>N</i>	
	USER_MODIFICATION	VARCHAR2(30 BYTE)	<i>N</i>	

Links to

	Table	Join	Title / Name / Description
	ANML_GENDER	ANML_SPECIE.GENDER_ID = ANML_GENDER.GENDER_ID	SYS_C0011014




Linked from

	Table	Join	Title / Name / Description
	SIGHT	ANML_SPECIE.SPECIE_ID = SIGHT.SPECIE_ID	SYS_C0011020



Unique keys










	Columns	Name / Description
	SPECIE_ID	SPECIE_PK

Triggers






	Name	When	Description
	BEFOREDELETEANML_SPECIE	Before Delete	
	BEFOREINSERTANML_SPECIE	Before Insert	
	BEFOREUPDATEANML_SPECIE	Before Update	

Uses

Name
 ANML_SPECIE
 ANML_GENDER

Name
 BEFOREDELETEANML_SPECIE
 ACTION_HISTORY
 ANML_SPECIE
 BEFOREINSERTANML_SPECIE
 ACTION_HISTORY
 ANML_SPECIE
 BEFOREUPDATEANML_SPECIE
 ACTION_HISTORY
 ANML_SPECIE


Used by

Name
 ANML_SPECIE
 BEFOREDELETEANML_SPECIE
 BEFOREINSERTANML_SPECIE
 BEFOREUPDATEANML_SPECIE
 SIGHT


1.1.8. Table: ANML_SUBORDER

El orden es una subcategoria de orden


Columns

	Name	Data type	N	Description / Attributes
	SUBORDER_ID	NUMBER(6, 0)		
	ORDER_ID	NUMBER(6, 0)		
	SUBORDER_NAME	VARCHAR2(50 BYTE)		
	DATE_CREATION	DATE	<i>N</i>	
	USER_CREATION	VARCHAR2(30 BYTE)	<i>N</i>	
	DATE_MODIFICATION	DATE	<i>N</i>	
	USER_MODIFICATION	VARCHAR2(30 BYTE)	<i>N</i>	

Links to

Table	Join	Title / Name / Description
 ANML_ORDER	ANML_SUBORDER.ORDER_ID = ANML_ORDER.ORDER_ID	SYS_C0011011




Linked from

Table	Join	Title / Name / Description
 ANML_FAMILY	ANML_SUBORDER.SUBORDER_ID = ANML_FAMILY.SUBORDER_ID	SYS_C0011012

Unique keys

Columns		Name / Description
	SUBORDER_ID	SUBORDER_PK






Triggers

	Name	When	Description
	BEFOREDELETEANML_SUBORDER	Before Delete	
	BEFOREINSERTANML_SUBORDER	Before Insert	
	BEFOREUPDATEANML_SUBORDER	Before Update	

Uses

Name	
	ANML_SUBORDER
	ANML_ORDER
	BEFOREDELETEANML_SUBORDER
	ACTION_HISTORY
	ANML_SUBORDER
	BEFOREINSERTANML_SUBORDER
	ACTION_HISTORY
	ANML_SUBORDER
	BEFOREUPDATEANML_SUBORDER
	ACTION_HISTORY
	ANML_SUBORDER


Used by

Name	
	ANML_SUBORDER
	BEFOREDELETEANML_SUBORDER
	BEFOREINSERTANML_SUBORDER
	BEFOREUPDATEANML_SUBORDER
	ANML_FAMILY

1.1.9. Table: BINNACLE

Guarda los cambios que los usuarios realizan con respecto a las contraseñas

Columns

	Name	Data type	N	Description / Attributes
	BINNACLE_ID	NUMBER(6, 0)		
	USER_ID	NUMBER(6, 0)		
	OLD_PASSWORD	VARCHAR2(100 BYTE)		
	CURRENT_PASSWORD	VARCHAR2(100 BYTE)		
	DATE_CREATION	DATE	<i>N</i>	

Name	Data type	N	Description / Attributes
USER_CREATION	VARCHAR2(30 BYTE)	N	
DATE_MODIFICATION	DATE	N	
USER_MODIFICATION	VARCHAR2(30 BYTE)	N	

Links to

Table	Join	Title / Name / Description
➤ SYSTEM_USER	BINNACLE .USER_ID = SYSTEM_USER.USER_ID	SYS_C0011024

Unique keys

Columns	Name / Description
🔑 BINNACLE_ID	BINNACLE_PK

Triggers

Name	When	Description
⚡ BEFOREDELETEBINNACLE	Before Delete	
⚡ BEFOREINSERTBINNACLE	Before Insert	
⚡ BEFOREUPDATEBINNACLE	Before Update	

Uses

Name
📊 BINNACLE
📊 SYSTEM_USER
⚡ BEFOREDELETEBINNACLE
📊 ACTION_HISTORY
📊 BINNACLE
⚡ BEFOREINSERTBINNACLE
📊 ACTION_HISTORY
📊 BINNACLE
⚡ BEFOREUPDATEBINNACLE
📊 ACTION_HISTORY
📊 BINNACLE


Used by

Name
📊 BINNACLE
⚙️ ADDSYSTEMUSER
⚡ BEFOREDELETEBINNACLE
⚡ BEFOREINSERTBINNACLE
⚡ BEFOREUPDATEBINNACLE

1.1.10. Table: CANTON

Lugar que se ubica en una provincia

Columns

	Name	Data type	N	Description / Attributes
	CANTON_ID	NUMBER(6, 0)		
	PROVINCE_ID	NUMBER(6, 0)		
	CANTON_NAME	VARCHAR2(50 BYTE)		
	DATE_CREATION	DATE	<i>N</i>	
	USER_CREATION	VARCHAR2(30 BYTE)	<i>N</i>	
	DATE_MODIFICATION	DATE	<i>N</i>	
	USER_MODIFICATION	VARCHAR2(30 BYTE)	<i>N</i>	


Links to

	Table	Join	Title / Name / Description
	PROVINCE	CANTON.PROVINCE_ID = PROVINCE.PROVINCE_ID	SYS_C0011017

Linked from

	Table	Join	Title / Name / Description
	DISTRICT	CANTON.CANTON_ID = DISTRICT.CANTON_ID	SYS_C0011018









Unique keys




	Columns	Name / Description
	CANTON_ID	CANTON_PK

Triggers






	Name	When	Description
	BEFOREDELETECANTON	Before Delete	
	BEFOREINSERTCANTON	Before Insert	
	BEFOREUPDATECANTON	Before Update	

Uses

Name
 CANTON
 PROVINCE
 BEFOREDELETECANTON
 ACTION_HISTORY
 CANTON
 BEFOREINSERTCANTON
 ACTION_HISTORY
 CANTON

Name
 BEFOREUPDATECANTON
 ACTION_HISTORY
 CANTON


Used by

Name
 CANTON
 BEFOREDELETECANTON
 BEFOREINSERTCANTON
 BEFOREUPDATECANTON
 DISTRICT


1.1.11. Table: CONTINENT

Masa terrestre ubicada en el planeta tierra


Columns

	Name	Data type	N	Description / Attributes
	CONTINENT_ID	NUMBER(6, 0)		
	CONTINENT_NAME	VARCHAR2(50 BYTE)		
	DATE_CREATION	DATE	<i>N</i>	
	USER_CREATION	VARCHAR2(30 BYTE)	<i>N</i>	
	DATE_MODIFICATION	DATE	<i>N</i>	
	USER_MODIFICATION	VARCHAR2(30 BYTE)	<i>N</i>	




Linked from

Table	Join	Title / Name / Description
 COUNTRY	CONTINENT.CONTINENT_ID = COUNTRY.CONTINENT_ID	SYS_C0011015










Unique keys

Columns	Name / Description
 CONTINENT_ID	CONTINENT_PK






Triggers

Name	When	Description
 BEFOREDELETECONTINENT	Before Delete	
 BEFOREINSERTCONTINENT	Before Insert	
 BEFOREUPDATECONTINENT	Before Update	

Uses

Name
 BEFOREDELETECONTINENT
 ACTION_HISTORY
 CONTINENT
 BEFOREINSERTCONTINENT
 ACTION_HISTORY
 CONTINENT
 BEFOREUPDATECONTINENT
 ACTION_HISTORY
 CONTINENT


Used by

Name
 CONTINENT
 BEFOREDELETECONTINENT
 BEFOREINSERTCONTINENT
 BEFOREUPDATECONTINENT
 COUNTRY


1.1.12. Table: COUNTRY

Seccion de territorio que pertenece a un continente o region

Columns

Name	Data type	N	Description / Attributes
 COUNTRY_ID	NUMBER(6, 0)		
CONTINENT_ID	NUMBER(6, 0)		
COUNTRY_NAME	VARCHAR2(50 BYTE)		
DATE_CREATION	DATE	N	
USER_CREATION	VARCHAR2(30 BYTE)	N	
DATE_MODIFICATION	DATE	N	
USER_MODIFICATION	VARCHAR2(30 BYTE)	N	


Links to

Table	Join	Title / Name / Description
 CONTINENT	COUNTRY.CONTINENT_ID = CONTINENT.CONTINENT_ID	SYS_C0011015




Linked from

Table	Join	Title / Name / Description
 PROVINCE	COUNTRY.COUNTRY_ID = PROVINCE.COUNTRY_ID	SYS_C0011016

Unique keys

Columns		Name / Description
	COUNTRY_ID	COUNTRY_PK






Triggers

	Name	When	Description
	BEFOREDELETECOUNTRY	Before Delete	
	BEFOREINSERTCOUNTRY	Before Insert	
	BEFOREUPDATECOUNTRY	Before Update	

Uses

Name	
	COUNTRY
	CONTINENT
	BEFOREDELETECOUNTRY
	ACTION_HISTORY
	COUNTRY
	BEFOREINSERTCOUNTRY
	ACTION_HISTORY
	COUNTRY
	BEFOREUPDATECOUNTRY
	ACTION_HISTORY
	COUNTRY


Used by

Name	
	COUNTRY
	BEFOREDELETECOUNTRY
	BEFOREINSERTCOUNTRY
	BEFOREUPDATECOUNTRY
	PROVINCE

1.1.13. Table: DISTRICT

Area localizada en un canton

Columns

	Name	Data type	N	Description / Attributes
	DISTRICT_ID	NUMBER(6, 0)		
	CANTON_ID	NUMBER(6, 0)		
	DISTRICT_NAME	VARCHAR2(50 BYTE)		
	DATE_CREATION	DATE	<i>N</i>	
	USER_CREATION	VARCHAR2(30 BYTE)	<i>N</i>	

Name		Data type	N	Description / Attributes
	DATE_MODIFICATION	DATE	N	
	USER_MODIFICATION	VARCHAR2(30 BYTE)	N	

Links to

Table	Join	Title / Name / Description
➤ CANTON	DISTRICT.CANTON_ID = CANTON.CANTON_ID	SYS_C0011018

Linked from

Table	Join	Title / Name / Description
◀ SIGHT	DISTRICT.DISTRICT_ID = SIGHT.DISTRICT_ID	SYS_C0011021

Unique keys

Columns	Name / Description
🔑 DISTRICT_ID	DISTRICT_PK

Triggers


Name	When	Description
⚡ BEFOREDELETEDISTRICT	Before Delete	
⚡ BEFOREINSERTDISTRICT	Before Insert	
⚡ BEFOREUPDATEDISTRICT	Before Update	

Uses

Name
📊 DISTRICT
📊 CANTON
⚡ BEFOREDELETEDISTRICT
📊 ACTION_HISTORY
📊 DISTRICT
⚡ BEFOREINSERTDISTRICT
📊 ACTION_HISTORY
📊 DISTRICT
⚡ BEFOREUPDATEDISTRICT
📊 ACTION_HISTORY
📊 DISTRICT

Used by


Name
📊 DISTRICT
⚡ BEFOREDELETEDISTRICT
⚡ BEFOREINSERTDISTRICT
⚡ BEFOREUPDATEDISTRICT

Name
 SIGHT

1.1.14. Table: PROVINCE

Area geografica localizada en un pais

Columns

	Name	Data type	N	Description / Attributes
	PROVINCE_ID	NUMBER(6, 0)		
	COUNTRY_ID	NUMBER(6, 0)		
	PROVINCE_NAME	VARCHAR2(50 BYTE)		
	DATE_CREATION	DATE	<i>N</i>	
	USER_CREATION	VARCHAR2(30 BYTE)	<i>N</i>	
	DATE_MODIFICATION	DATE	<i>N</i>	
	USER_MODIFICATION	VARCHAR2(30 BYTE)	<i>N</i>	


Links to

Table	Join	Title / Name / Description
 COUNTRY	PROVINCE.COUNTRY_ID = COUNTRY.COUNTRY_ID	SYS_C0011016




Linked from

Table	Join	Title / Name / Description
 CANTON	PROVINCE.PROVINCE_ID = CANTON.PROVINCE_ID	SYS_C0011017






Unique keys







Columns	Name / Description
 PROVINCE_ID	PROVINCE_PK

Triggers






Name	When	Description
 BEFOREDELETEPROVINCE	Before Delete	
 BEFOREINSERTPROVINCE	Before Insert	
 BEFOREUPDATEPROVINCE	Before Update	

Uses

Name
 PROVINCE
 COUNTRY
 BEFOREDELETEPROVINCE
 ACTION_HISTORY
 PROVINCE

Name
 BEFOREINSERTPROVINCE
 ACTION_HISTORY
 PROVINCE
 BEFOREUPDATEPROVINCE
 ACTION_HISTORY
 PROVINCE

Used by

Name
 PROVINCE
 BEFOREDELETEPROVINCE
 BEFOREINSERTPROVINCE
 BEFOREUPDATEPROVINCE
 CANTON



1.1.15. Table: RATEXUSER

Guarda la puntuacion que un usuario realiza a un avistamiento




Columns

Name	Data type	N	Description / Attributes
USER_ID	NUMBER(6, 0)		
SIGHT_ID	NUMBER(6, 0)		
CALIFICATION	NUMBER(1, 0)		
DATE_CREATION	DATE	N	
USER_CREATION	VARCHAR2(30 BYTE)	N	
DATE_MODIFICATION	DATE	N	
USER_MODIFICATION	VARCHAR2(30 BYTE)	N	

Links to

Table	Join	Title / Name / Description
 SIGHT	RATEXUSER .SIGHT_ID = SIGHT.SIGHT_ID	SYS_C0011023
 SYSTEM_USER	RATEXUSER .USER_ID = SYSTEM_USER.USER_ID	SYS_C0011022





Triggers

Name	When	Description
 BEFOREDELETERATEXUSER	Before Delete	
 BEFOREINSERTRATEXUSER	Before Insert	
 BEFOREUPDATERATEXUSER	Before Update	

Uses

Name
 RATEXUSER
 SIGHT
 SYSTEM_USER
 BEFOREDELETERATEXUSER
 ACTION_HISTORY
 RATEXUSER
 BEFOREINSERTRATEXUSER
 ACTION_HISTORY
 RATEXUSER
 BEFOREUPDATERATEXUSER
 ACTION_HISTORY
 RATEXUSER


Used by

Name
 RATEXUSER
 BEFOREDELETERATEXUSER
 BEFOREINSERTRATEXUSER
 BEFOREUPDATERATEXUSER

1.1.16. Table: SIGHT

Conjunto de datos que representan el avistamiento de una especie por parte de un usuario

Columns

	Name	Data type	N	Description / Attributes
	SIGHT_ID	NUMBER(6, 0)		
	USER_ID	NUMBER(6, 0)		
	SPECIE_ID	NUMBER(6, 0)		
	DISTRICT_ID	NUMBER(6, 0)		
	LONGITUDE	NUMBER(20, 10)		
	LATITUDE	NUMBER(20, 10)		
	DATE_CREATION	DATE	<i>N</i>	
	USER_CREATION	VARCHAR2(30 BYTE)	<i>N</i>	
	DATE_MODIFICATION	DATE	<i>N</i>	
	USER_MODIFICATION	VARCHAR2(30 BYTE)	<i>N</i>	
	IMAGE_URL	VARCHAR2(100 BYTE)		

Links to

	Table	Join	Title / Name / Description
➤	ANML_SPECIE	SIGHT .SPECIE_ID = ANML_SPECIE.SPECIE_ID	SYS_C0011020
➤	DISTRICT	SIGHT .DISTRICT_ID = DISTRICT.DISTRICT_ID	SYS_C0011021
➤	SYSTEM_USER	SIGHT .USER_ID = SYSTEM_USER.USER_ID	SYS_C0011019

Linked from

	Table	Join	Title / Name / Description
➤	RATEXUSER	SIGHT .SIGHT_ID = RATEXUSER.SIGHT_ID	SYS_C0011023

Unique keys

	Columns	Name / Description
🔑	SIGHT_ID	SIGHT_PK

Triggers





	Name	When	Description
⚡	BEFOREDELETESIGHT	Before Delete	
⚡	BEFOREINSERTSIGHT	Before Insert	
⚡	BEFOREUPDATESIGHT	Before Update	

Uses

	Name
📊	SIGHT
📊	ANML_SPECIE
📊	DISTRICT
📊	SYSTEM_USER
⚡	BEFOREDELETESIGHT
📊	ACTION_HISTORY
📊	SIGHT
⚡	BEFOREINSERTSIGHT
📊	ACTION_HISTORY
📊	SIGHT
⚡	BEFOREUPDATESIGHT
📊	ACTION_HISTORY
📊	SIGHT

Used by


	Name
📊	SIGHT

Name
 BEFOREDELETESIGHT
 BEFOREINSERTSIGHT
 BEFOREUPDATESIGHT
 RATEXUSER

1.1.17. Table: SYSTEM_PARAMETERS

Parametros del sistema manejados por el administrador

Columns

	Name	Data type	N	Description / Attributes
	P_ID	NUMBER(6, 0)		
	P_NAME	VARCHAR2(50 BYTE)		
	P_VALUE	VARCHAR2(50 BYTE)		
	P_DESCRIPTION	VARCHAR2(100 BYTE)		
	DATE_CREATION	DATE	<i>N</i>	
	USER_CREATION	VARCHAR2(30 BYTE)	<i>N</i>	
	DATE_MODIFICATION	DATE	<i>N</i>	
	USER_MODIFICATION	VARCHAR2(30 BYTE)	<i>N</i>	







Unique keys




Columns	Name / Description
 P_ID	SP_PK

Triggers





	Name	When	Description
	BEFOREDELETESYSTEM_PARAMETERS	Before Delete	
	BEFOREINSERTSYSTEM_PARAMETERS	Before Insert	
	BEFOREUPDATESYSTEM_PARAMETERS	Before Update	

Uses

Name
 BEFOREDELETESYSTEM_PARAMETERS
 ACTION_HISTORY
 SYSTEM_PARAMETERS
 BEFOREINSERTSYSTEM_PARAMETERS
 ACTION_HISTORY
 SYSTEM_PARAMETERS

Name
 BEFOREUPDATESYSTEM_PARAMETERS
 ACTION_HISTORY
 SYSTEM_PARAMETERS


Used by

Name
 SYSTEM_PARAMETERS
 BEFOREDELETESYSTEM_PARAMETERS
 BEFOREINSERTSYSTEM_PARAMETERS
 BEFOREUPDATESYSTEM_PARAMETERS





1.1.18. Table: SYSTEM_USER

Usuario comun capaz de interactuar con el sistema


Columns

	Name	Data type	N	Description / Attributes
	USER_ID	NUMBER(6, 0)		
	USER_NICKNAME	VARCHAR2(50 BYTE)		
	USER_FIRSTNAME	VARCHAR2(50 BYTE)		
	USER_LASTNAME	VARCHAR2(50 BYTE)		
	USER_EMAIL	VARCHAR2(50 BYTE)		
	USER_PASSWORD	VARCHAR2(150 BYTE)		
	USER_BIRTHDATE	DATE		
	DATE_CREATION	DATE	<i>N</i>	
	USER_CREATION	VARCHAR2(30 BYTE)	<i>N</i>	
	DATE_MODIFICATION	DATE	<i>N</i>	
	USER_MODIFICATION	VARCHAR2(30 BYTE)	<i>N</i>	
	USER_PROFESSION	VARCHAR2(100 BYTE)	<i>N</i>	

Linked from




	Table	Join	Title / Name / Description
	ADMIN_USER	SYSTEM_USER.USER_ID = ADMIN_USER.USER_ID	SYS_C0011484
	BINNACLE	SYSTEM_USER.USER_ID = BINNACLE.USER_ID	SYS_C0011024
	RATEXUSER	SYSTEM_USER.USER_ID = RATEXUSER.USER_ID	SYS_C0011022
	SIGHT	SYSTEM_USER.USER_ID = SIGHT.USER_ID	SYS_C0011019

Unique keys










Columns	Name / Description
 USER_ID	USER_PK

Columns		Name / Description
	USER_EMAIL	UNIQUE_EMAILXUSER












Triggers

	Name	When	Description
	BEFOREDELETESYSTEM_USER	Before Delete	
	BEFOREINSERTSYSTEM_USER	Before Insert	
	BEFOREUPDATESYSTEM_USER	Before Update	

Uses

Name	
	BEFOREDELETESYSTEM_USER
	ACTION_HISTORY
	SYSTEM_USER
	BEFOREINSERTSYSTEM_USER
	ACTION_HISTORY
	SYSTEM_USER
	BEFOREUPDATESYSTEM_USER
	ACTION_HISTORY
	SYSTEM_USER


Used by

Name	
	SYSTEM_USER
	ADDSYSTEMUSER
	VERIFYPASSWORD
	VERIFYPASS
	BEFOREDELETESYSTEM_USER
	BEFOREINSERTSYSTEM_USER
	BEFOREUPDATESYSTEM_USER
	ADMIN_USER
	BINNACLE
	RATEXUSER
	SIGHT

1.2. Procedures

1.2.1. Procedure: ADDSYSTEMUSER

Input/Output

	Name	Data type	Description
	USERNAME	VARCHAR2	

Name		Data type	Description
→@	USERLASTNAME	VARCHAR2	
→@	USERNICK	VARCHAR2	
→@	USERPASSWORD	VARCHAR2	
→@	USERMAIL	VARCHAR2	
→@	USERPROFESSION	VARCHAR2	
→@	USERBIRTH	DATE	

Uses

Name	
⚙️	ADDSYSTEMUSER
📅	BINNACLE
📅	SYSTEM_USER

1.2.2. Procedure: VERIFYPASSWORD

Uses

Name	
⚙️	VERIFYPASSWORD
📅	SYSTEM_USER

1.3. Functions

1.3.1. Function: VERIFYPASS

Uses

Name	
fx	VERIFYPASS
📅	SYSTEM_USER