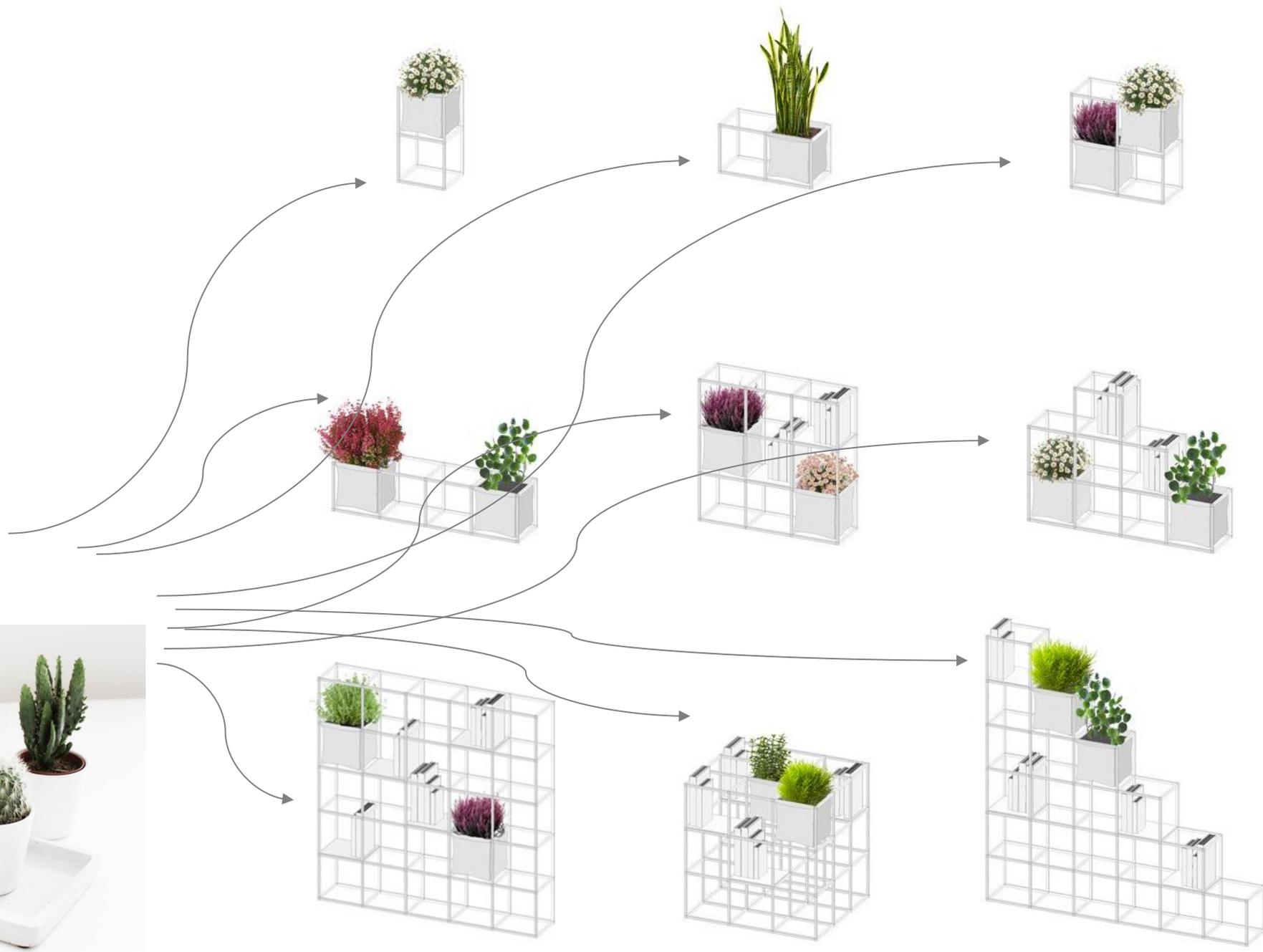
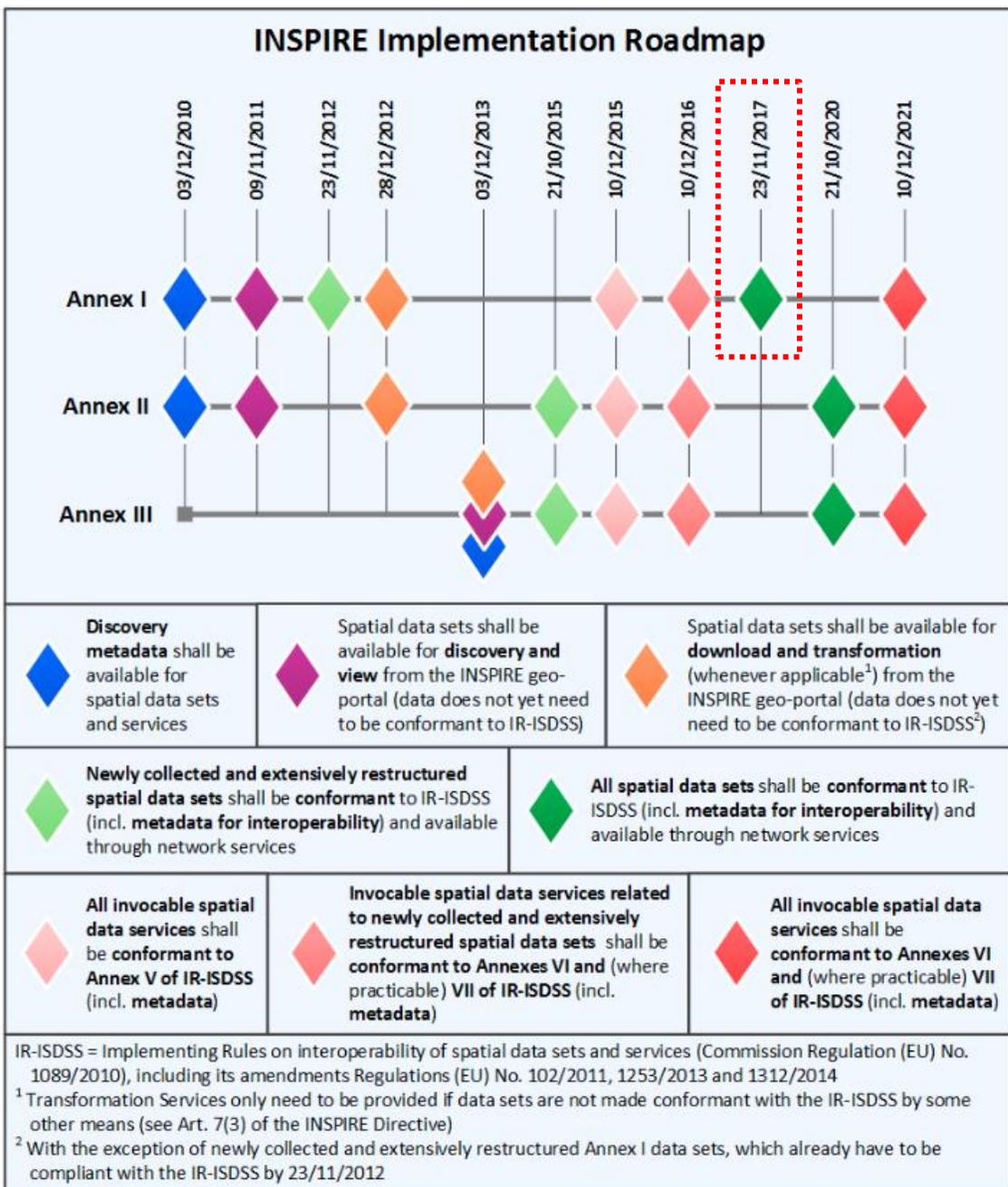


# Reporting covering Common Database on Designated Areas (CDDA) and INSPIRE Protected Sites

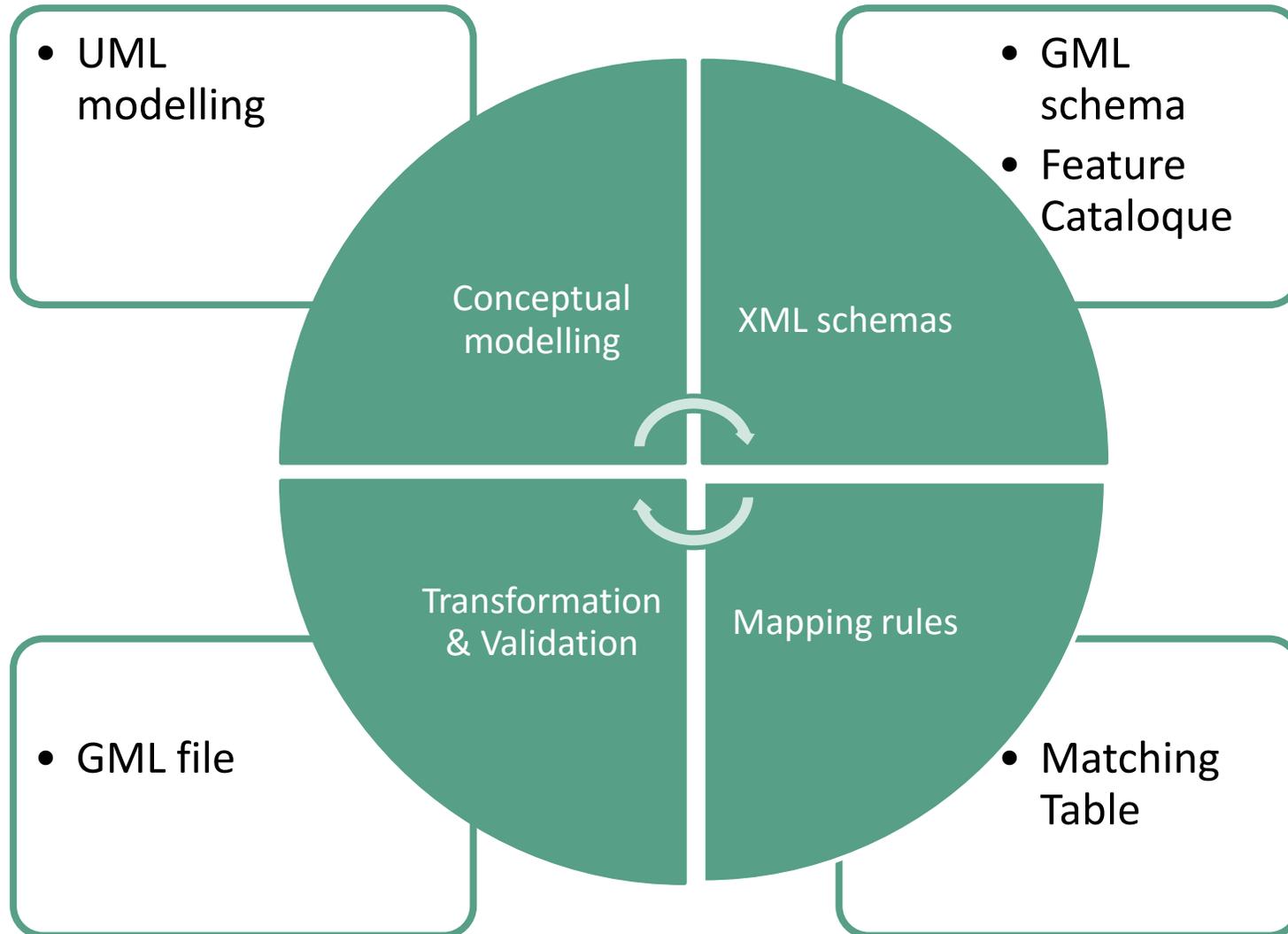
# Reporting covering Common Database on Designated Areas (CDDA) and INSPIRE Protected Sites



# Reporting covering Common Database on Designated Areas (CDDA) and INSPIRE Protected Sites

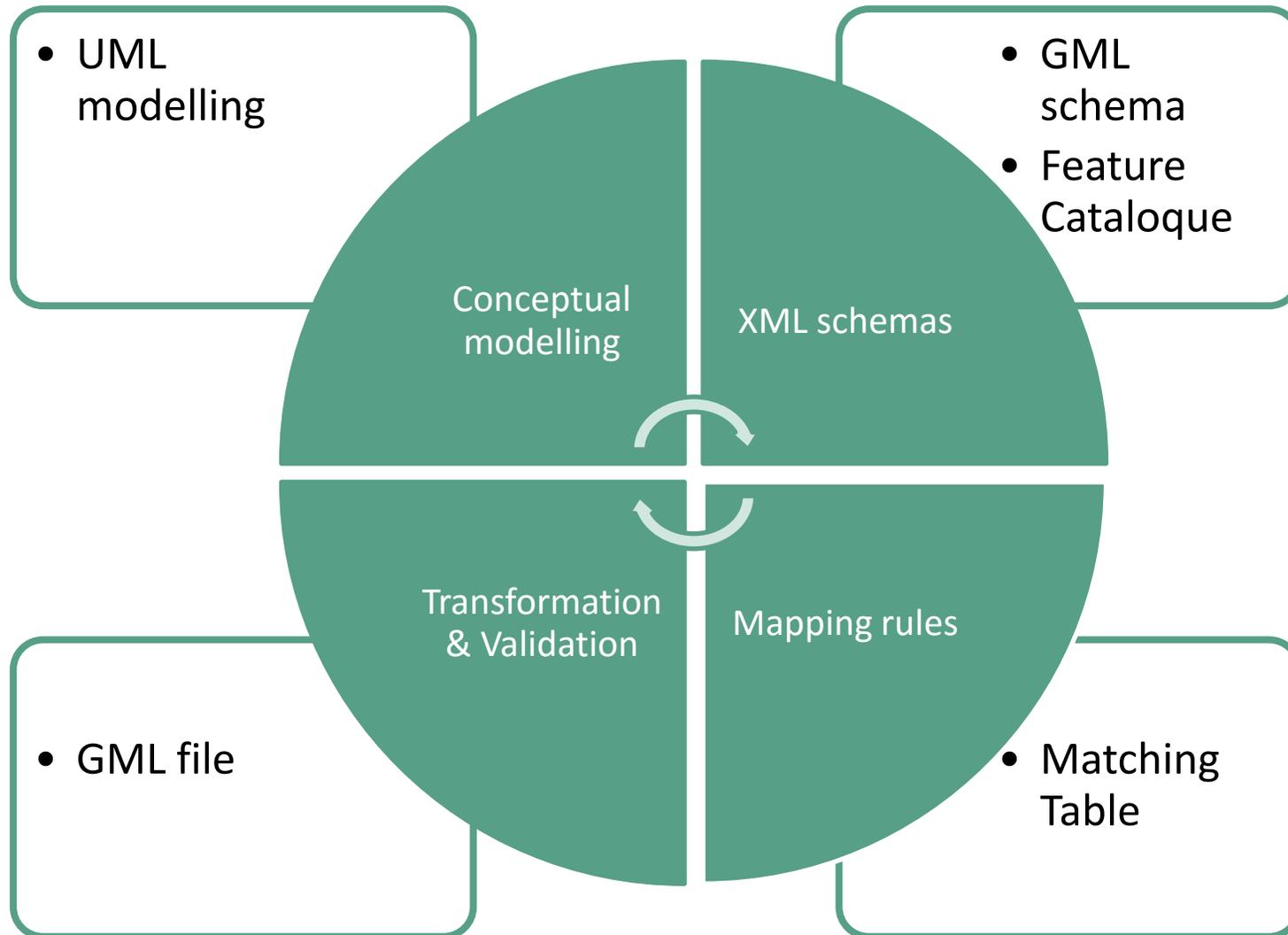


[ INSPIRE PS  
+  
CDDA ]



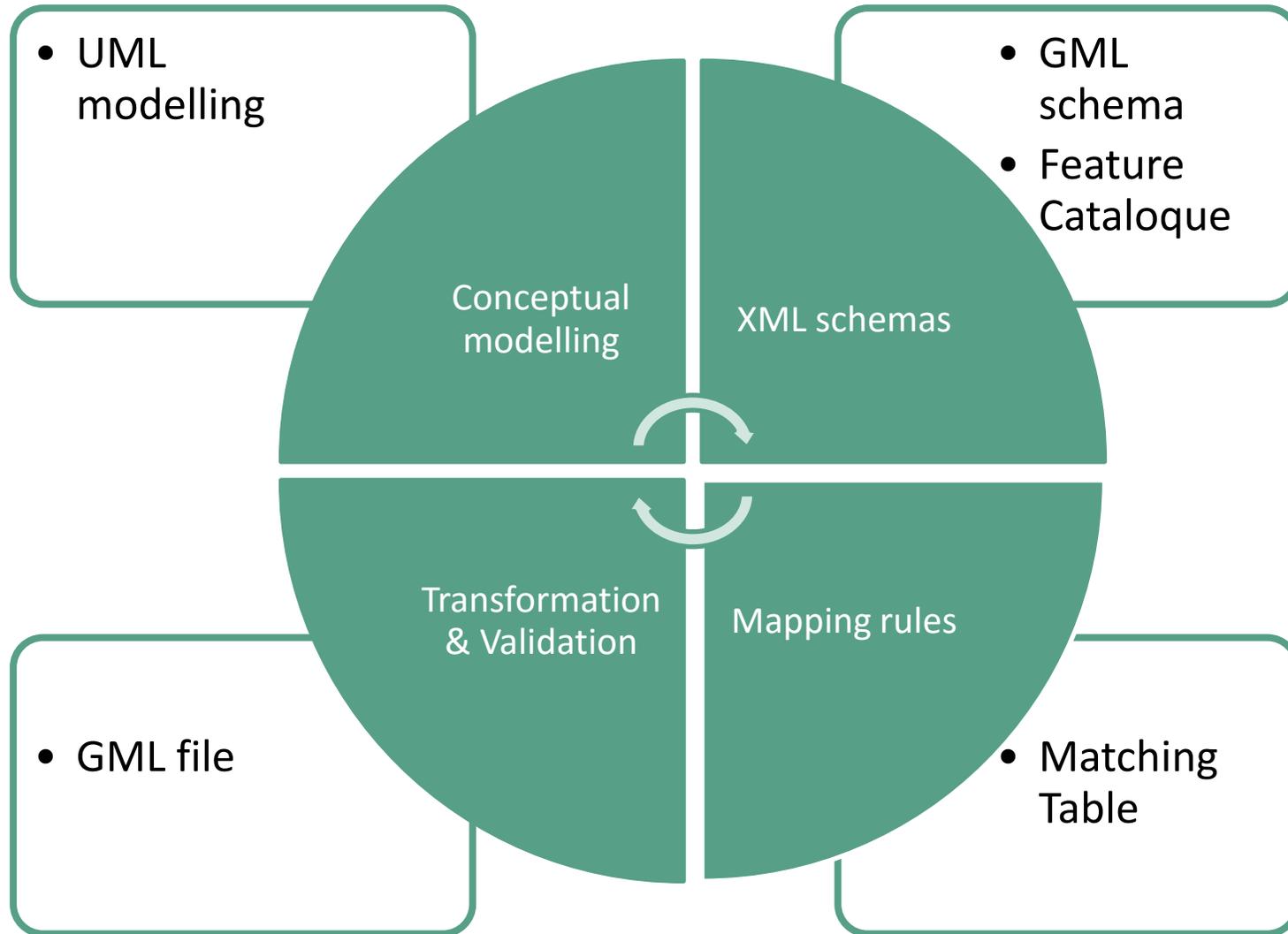


# Reporting covering Common Database on Designated Areas (CDDA) and INSPIRE Protected Sites



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<input>
  <parameter name="inputModelType" value="EA7" />
  <parameter name="inputFile" value="Cdda_V3.0.gap" />
  <parameter name="appSchemaNamespaceRegex" value="http://dd.eionet.europa.eu/schemaset/cdda/" />
  <parameter name="checkingConstraints" value="enabled" />
  <parameter name="sortedOutput" value="true" />
  <xi:include href="resources/config/StandardAliases.xml" />
  <parameter name="ignoreEncodingRuleTaggedValues" value="true"/>
</input>
<log>
  <parameter name="reportLevel" value="INFO" />
  <parameter name="logFile" value="cdda/cddaReporting/log.xml" />
</log>
<targets>
  <TargetXmlSchema class="de.interactive_instruments.ShapeChange.Target.XmlSchema.XmlSchema" m
  <targetParameter name="outputDirectory" value="cdda/cddaReporting/xsd" />
  <targetParameter name="defaultEncodingRule" value="CDDA" />
  <targetParameter name="sortedOutput" value="true" />
  <xi:include href="resources/config/StandardRules.xml" />
  <rules>
    <EncodingRule name="CDDA" extends="iso19136_2007_INSPIRE_Extensions">
      <rule name="rule-xsd-pkg-schematron"/>
      <rule name="rule-xsd-cis-codelist-constraints"/>
    </EncodingRule>
  </rules>
  <xi:include href="resources/config/StandardNamespaces.xml" />
  <xmlNamespaces>
    <XmlNamespace ns="http://inspire.ec.europa.eu/schemas/ps/4.0" nsabr="ps" location="h
    <XmlNamespace ns="http://inspire.ec.europa.eu/schemas/base/3.3" nsabr="base" locatio
  </xmlNamespaces>
  <xi:include href="resources/config/StandardMapEntries.xml" />
</TargetXmlSchema>
  <Target class="de.interactive_instruments.ShapeChange.Target.FeatureCatalogue.FeatureCatalog
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  <targetParameter name="outputFilename" value="CddaReporting_FC_V3.0" />
  <targetParameter name="name" value="CddaReporting_V3.0" />
  <targetParameter name="scope" value="This feature catalogue compiles CDDA-PS extension i
  <targetParameter name="inheritedProperties" value="true" />
  <targetParameter name="outputFormat" value="HTML_DOCX" />
  <targetParameter name="versionNumber" value="3.0" />
  <targetParameter name="versionDate" value="29/02/2016" />
  <targetParameter name="producer" value="European Environment Agency" />
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  <targetParameter name="xslthtmlFile" value="html.xml" />
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</targets>
</ShapeChangeConfiguration>
```

# Reporting covering Common Database on Designated Areas (CDDA) and INSPIRE Protected Sites



CddaReporting\_MT\_V3.0.xlsx - Excel

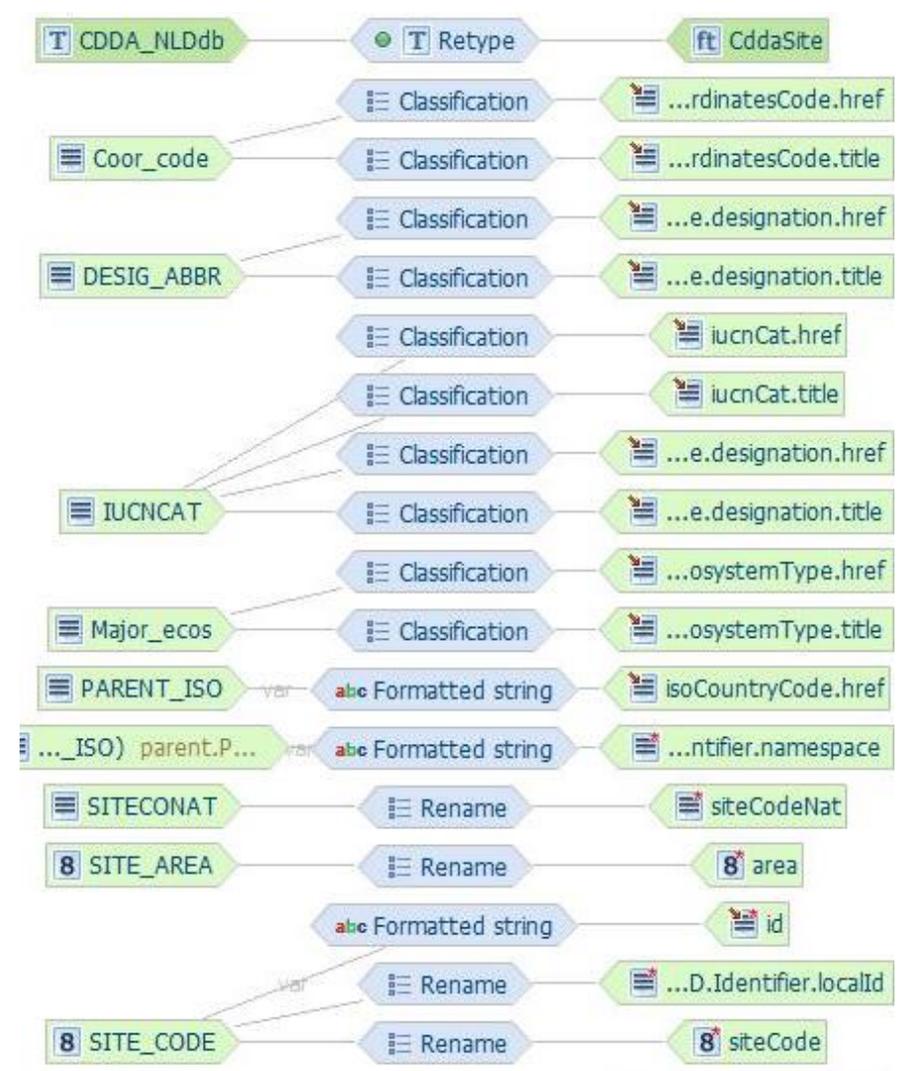
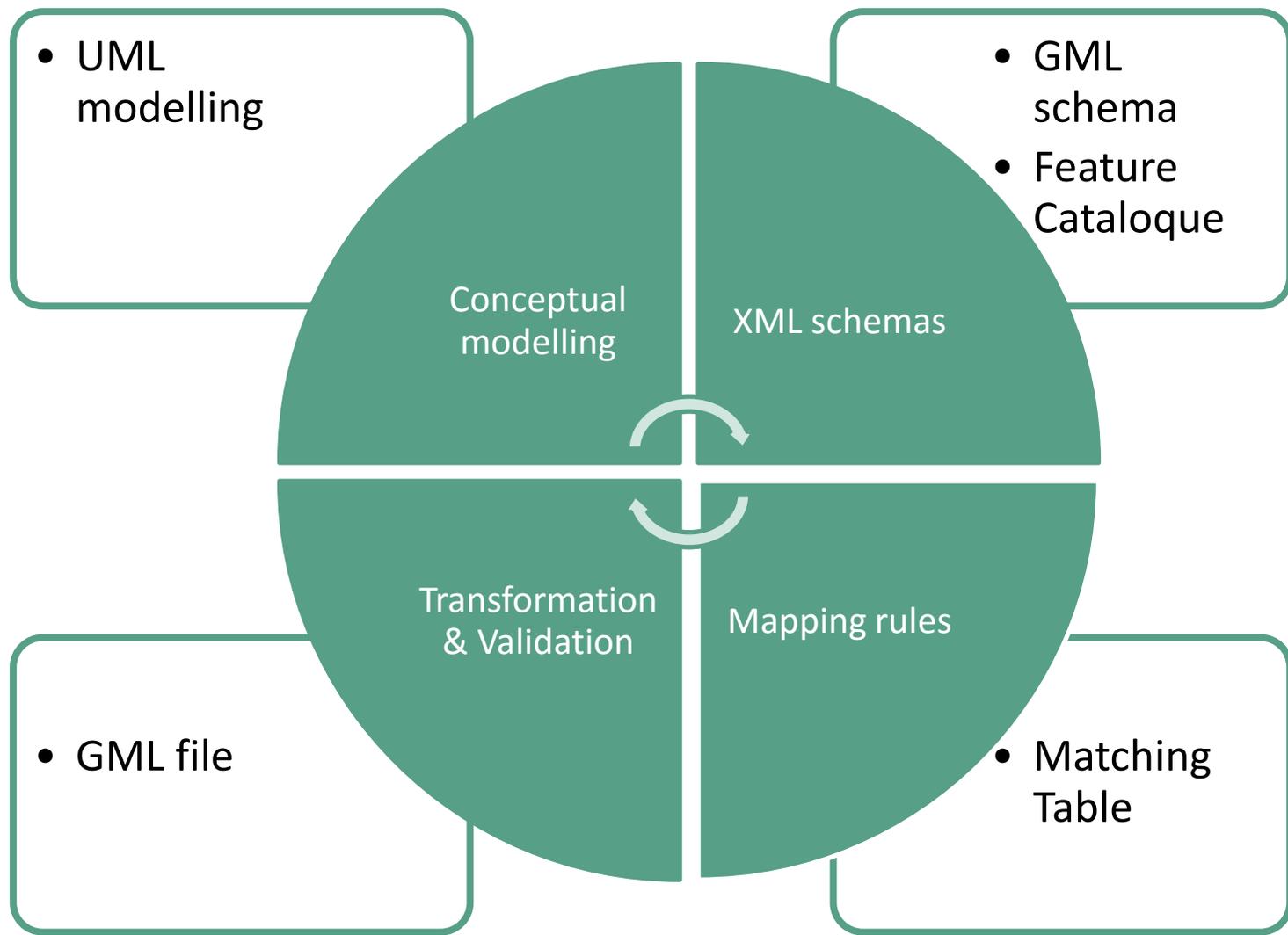
ARCHIVO INICIO INSERTAR DISEÑO DE PÁGINA FÓRMULAS DATOS REVISAR VISTA ACROBAT

Application Schema 'Protected Sites Simple' (version 3.0)

Application Schema 'Protected Sites Simple' (version 3.0)								Type	Documentation	Attribute role	Association Constraint
Type	Documentation	Attribute role	Association Constraint	Attribute / Association role / Constraint documentation	Values / Enumerations	Multiplicity	Voidable / Non-Voidable				
ProtectedSite	An area designated or managed within a framework of International, Community and Member States' legislation to achieve specific conservation objectives. Each protected site has a boundary defined through formal, legal or administrative agreements or decisions. The establishment of a protected site is normally underpinned by legislation and their given weight in decisions about land use change and spatial planning. Each site is normally selected as a representative example of a wider resource and selected through a formal criterion based approach. A protected site can be a contiguous extent of land/sea or a collection of discrete areas that together represent a single formal Protected Site. This class has the attributes, constraints and associations that are part of the Simple application schema.	geometry		The geometry defining the boundary of the Protected Site. The geometry may be determined by a wide range of methods, including surveying, digitisation or visual references to natural features or cadastral boundaries and may be defined by the legal document that creates the protected area. The geometry included in a data set that uses this data model is stored as a fixed geometry by coordinates, not by reference to natural, cadastral or administrative boundaries, although it may originally have been defined from these.	GML_Object	1					Point or polygon
		inspireID		External object identifier of the protected site. NOTE: An external object identifier is a unique object identifier published by the responsible body, which may be used by external applications to reference the spatial object. The identifier is an identifier of the spatial object, not an identifier of the real-world phenomenon.	Identifier	1					
		localid									SITE_CODE
		namespace									SITE_CODE
		versionId									{PARENT_ISOL}{ISO3}
		legalFoundationDate		The date that the protected site was legally created. This is the date that the real world object was created, not the date that its representation in an information system was created.	DateTime	1	voidable				

Matching Table CDDA structure

LISTO

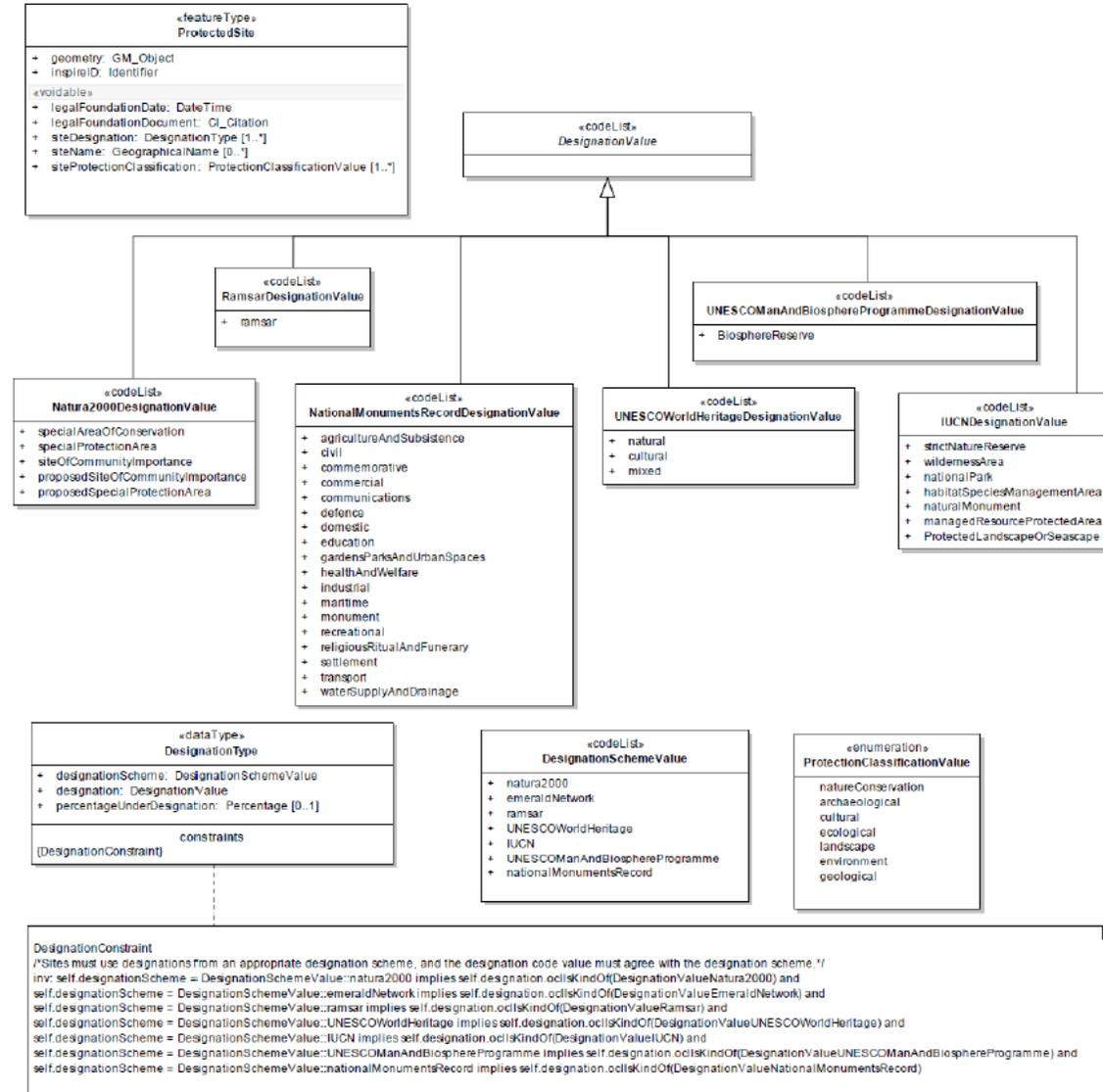
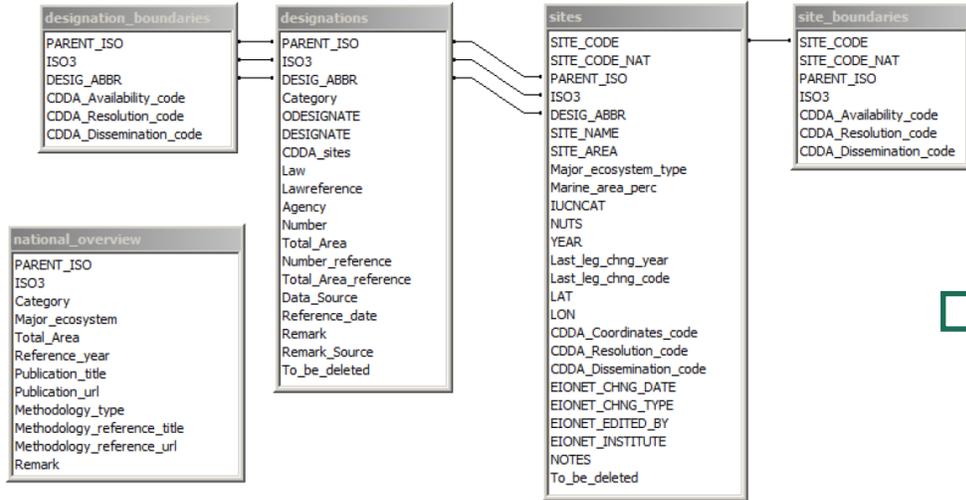


## CDDA

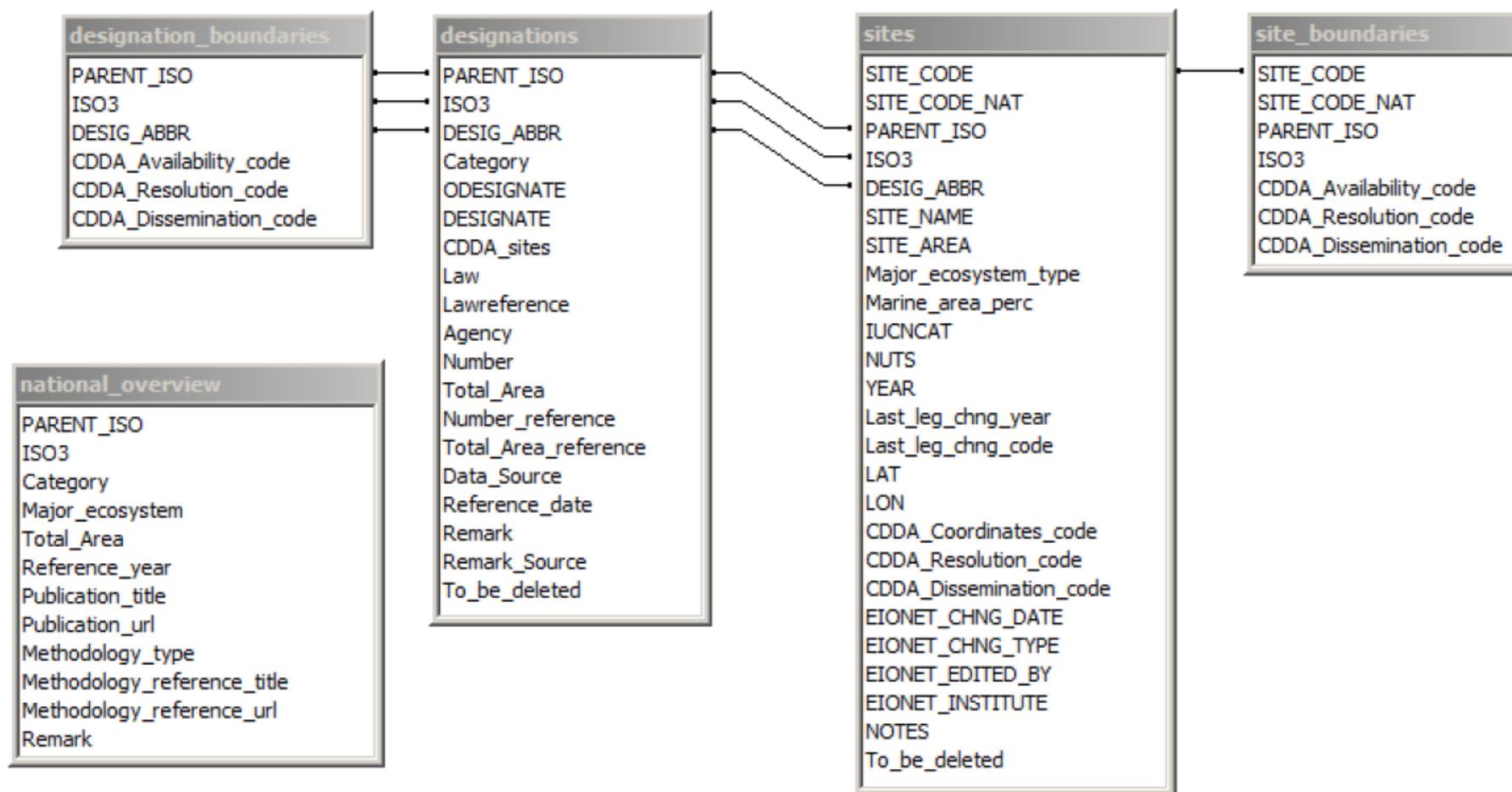
## INSPIRE PS

Figure 3.2.1: UML Diagram: INSPIRE PS simple application schema

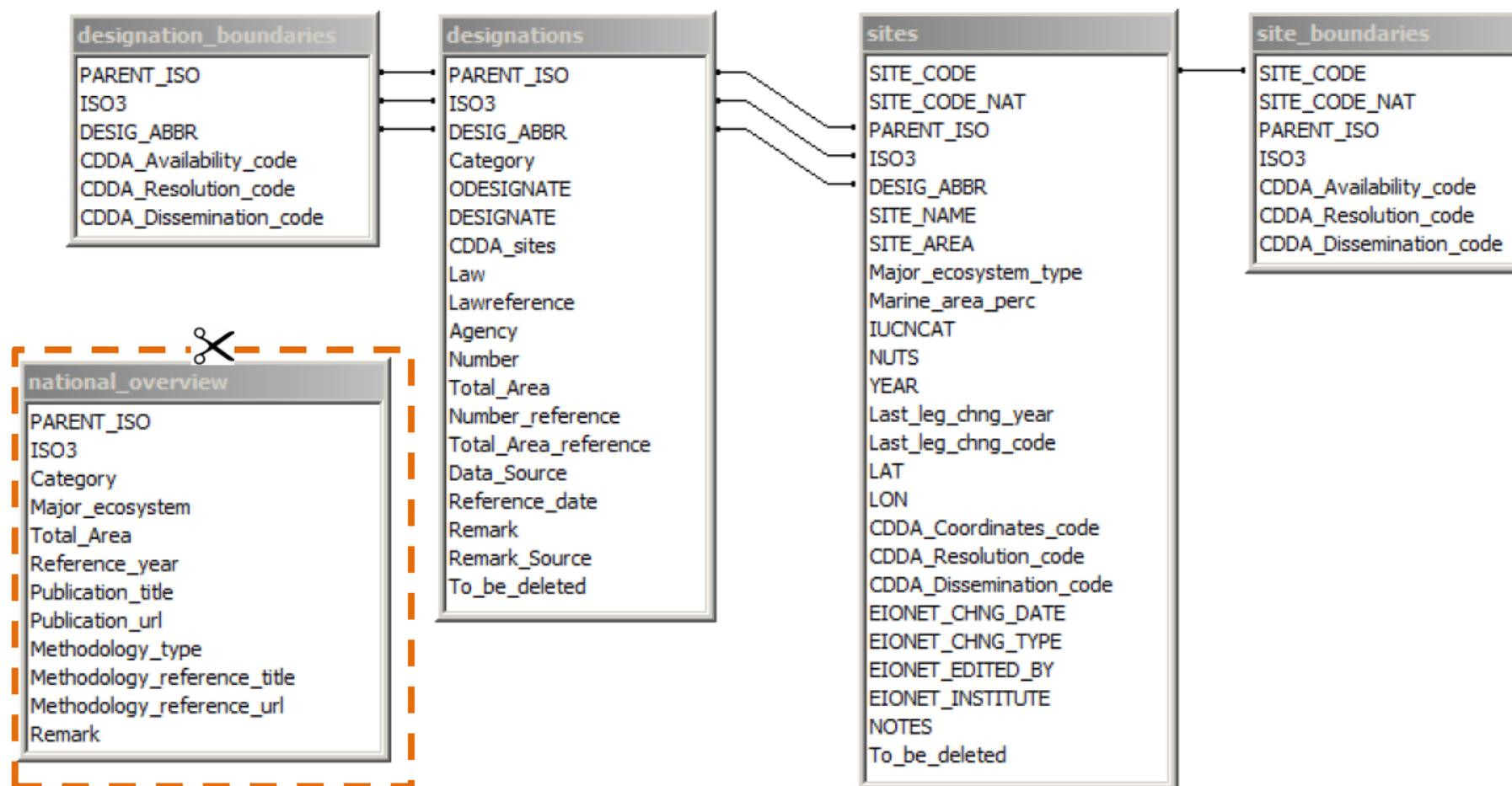
### Common Database on Designated Areas: Data Model



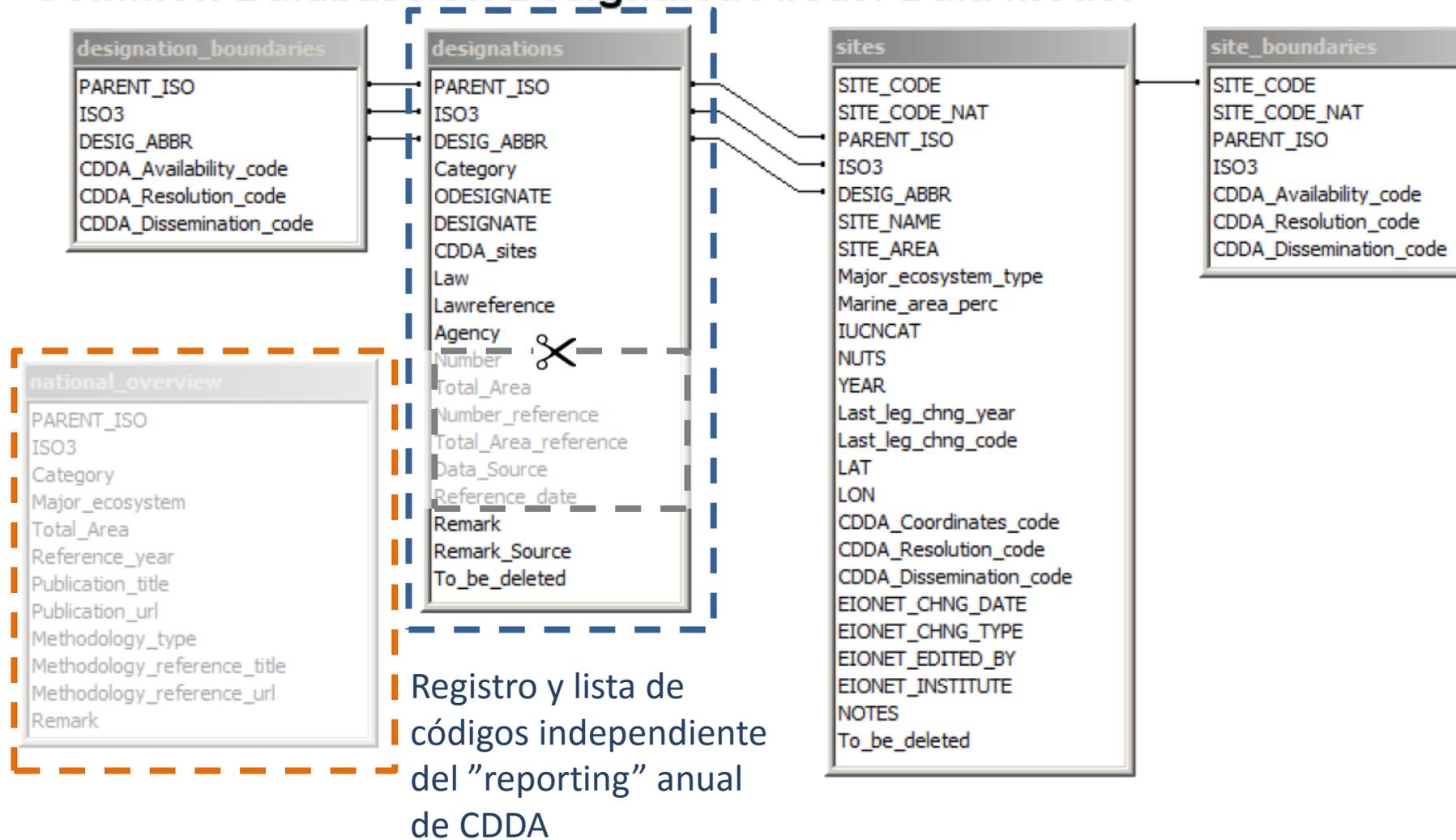
## Common Database on Designated Areas: Data Model



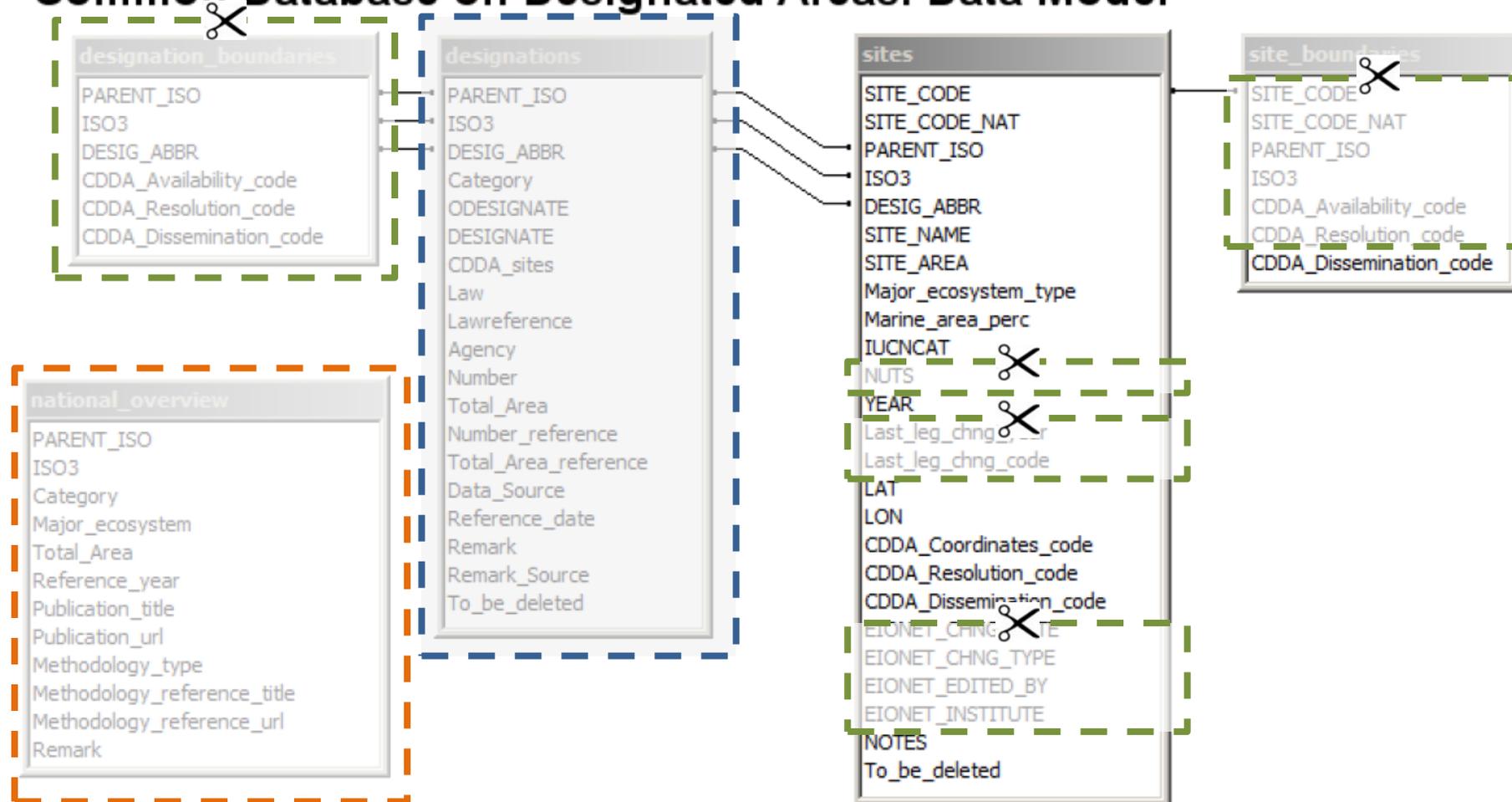
## Common Database on Designated Areas: Data Model



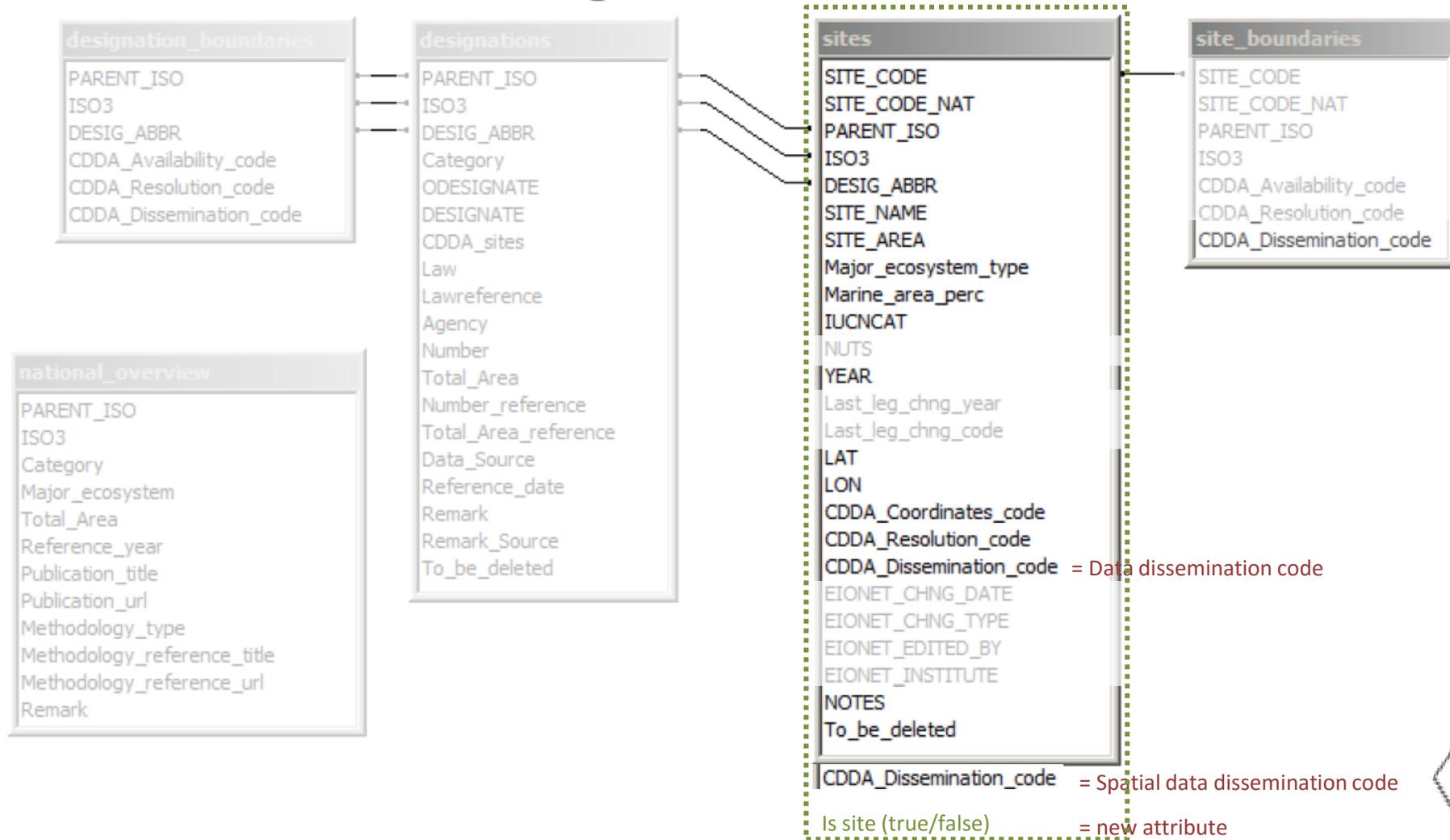
## Common Database on Designated Areas: Data Model



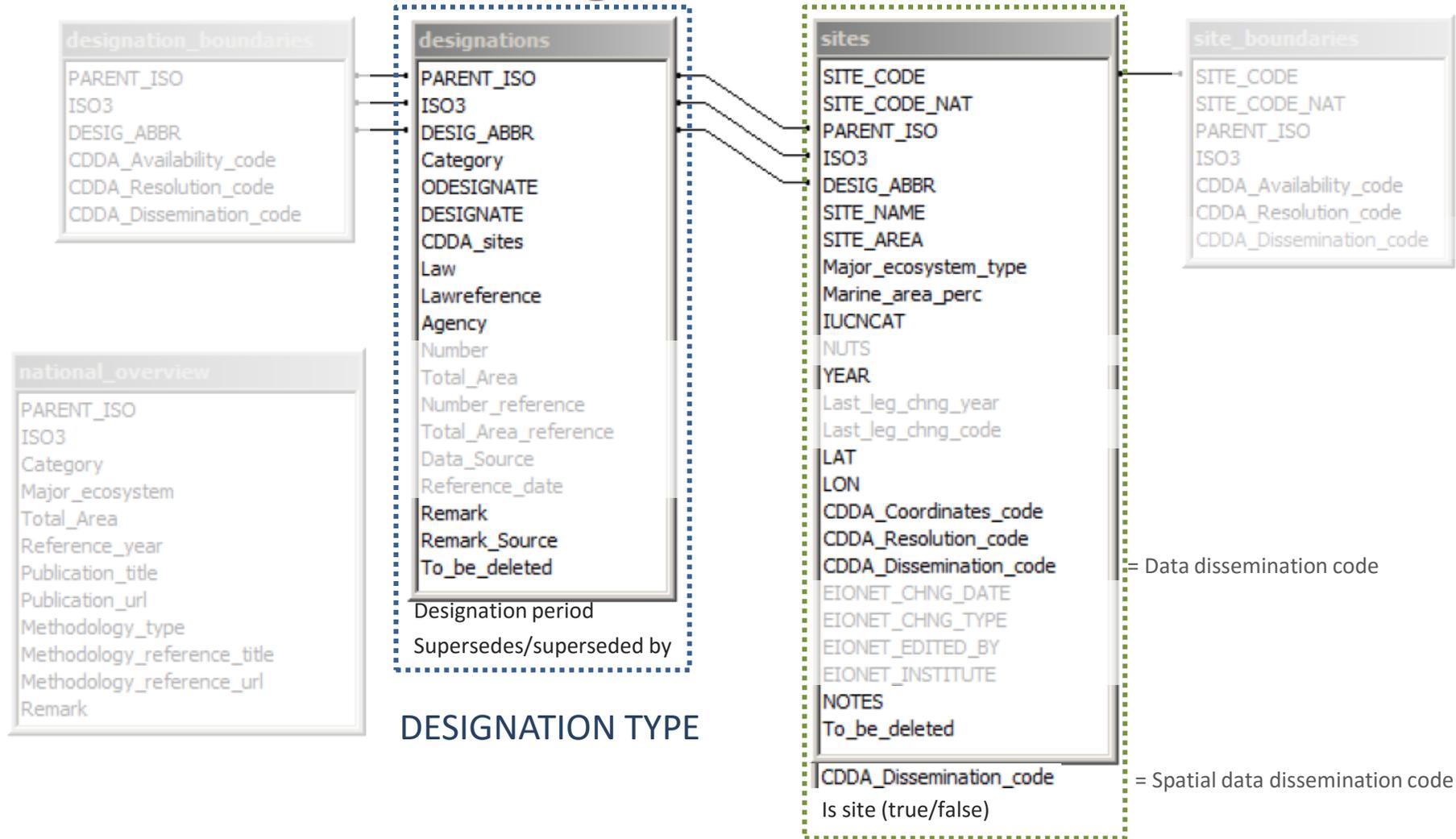
## Common Database on Designated Areas: Data Model



## Common Database on Designated Areas: Data Model



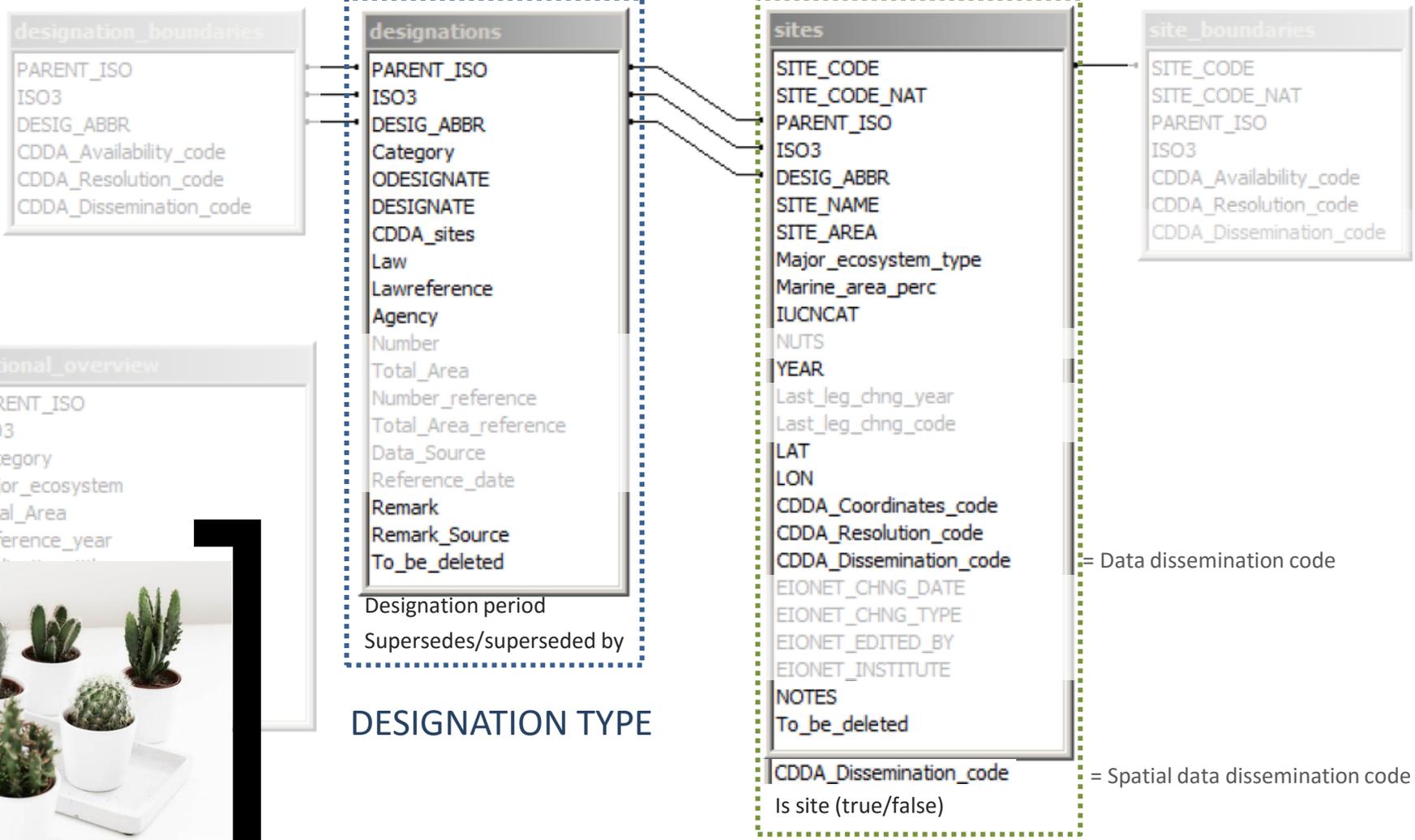
## Common Database on Designated Areas: Data Model



DESIGNATION TYPE

CDDA REPORTING  
INSPIRE PS extension

## Common Database on Designated Areas: Data Model



**national\_overview**

PARENT\_ISO  
ISO3  
Category  
Major\_ecosystem  
Total\_Area  
Reference\_year



**DESIGNATION TYPE**

**CDDA REPORTING**  
**INSPIRE PS extension**



## [CDDA REPORTING]



sites	
SITE_CODE	inspireID
SITE_CODE_NAT	
PARENT_ISO	
ISO3	
DESIG_ABBR	designation
SITE_NAME	siteName
SITE_AREA	
Major_ecosystem_type	
Marine_area_perc	
IUCNCAT	designationScheme / designation
NUTS	
YEAR	legalFoundationDate
Last_leg_chng_year	
Last leg chng code	
LAT	INSPIRE extension: representativePoint
LON	
CDDA_Coordinates_code	
CDDA_Resolution_code	
CDDA_Dissemination_code	= Data dissemination code
EIONET_CHNG_DATE	
EIONET_CHNG_TYPE	
EIONET_EDITED_BY	
EIONET_INSTITUTE	
NOTES	
To_be_deleted	
CDDA_Dissemination_code	= Spatial data dissemination code

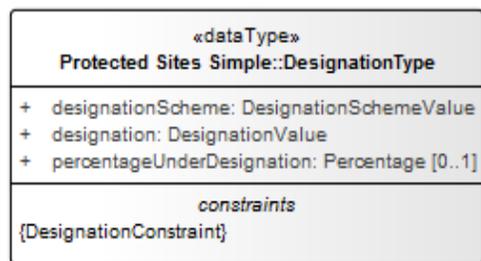
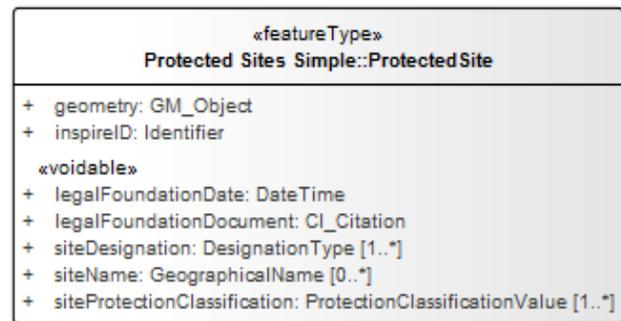
Is site (true/false)



«featureType» Protected Sites Simple::ProtectedSite
+ geometry: GM_Object
+ inspireID: Identifier
«voidable»
+ legalFoundationDate: DateTime
+ legalFoundationDocument: CI_Citation
+ siteDesignation: DesignationType [1..*]
+ siteName: GeographicalName [0..*]
+ siteProtectionClassification: ProtectionClassificationValue [1..*]

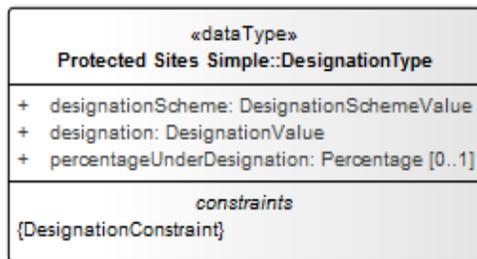
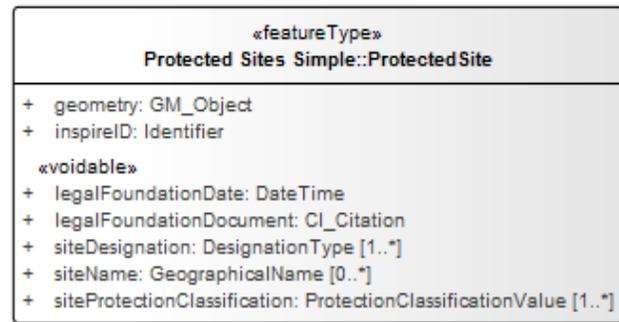
«dataType» Protected Sites Simple::DesignationType
+ designationScheme: DesignationSchemeValue
+ designation: DesignationValue
+ percentageUnderDesignation: Percentage [0..1]
<i>constraints</i>
{DesignationConstraint}

## [CDDA REPORTING]

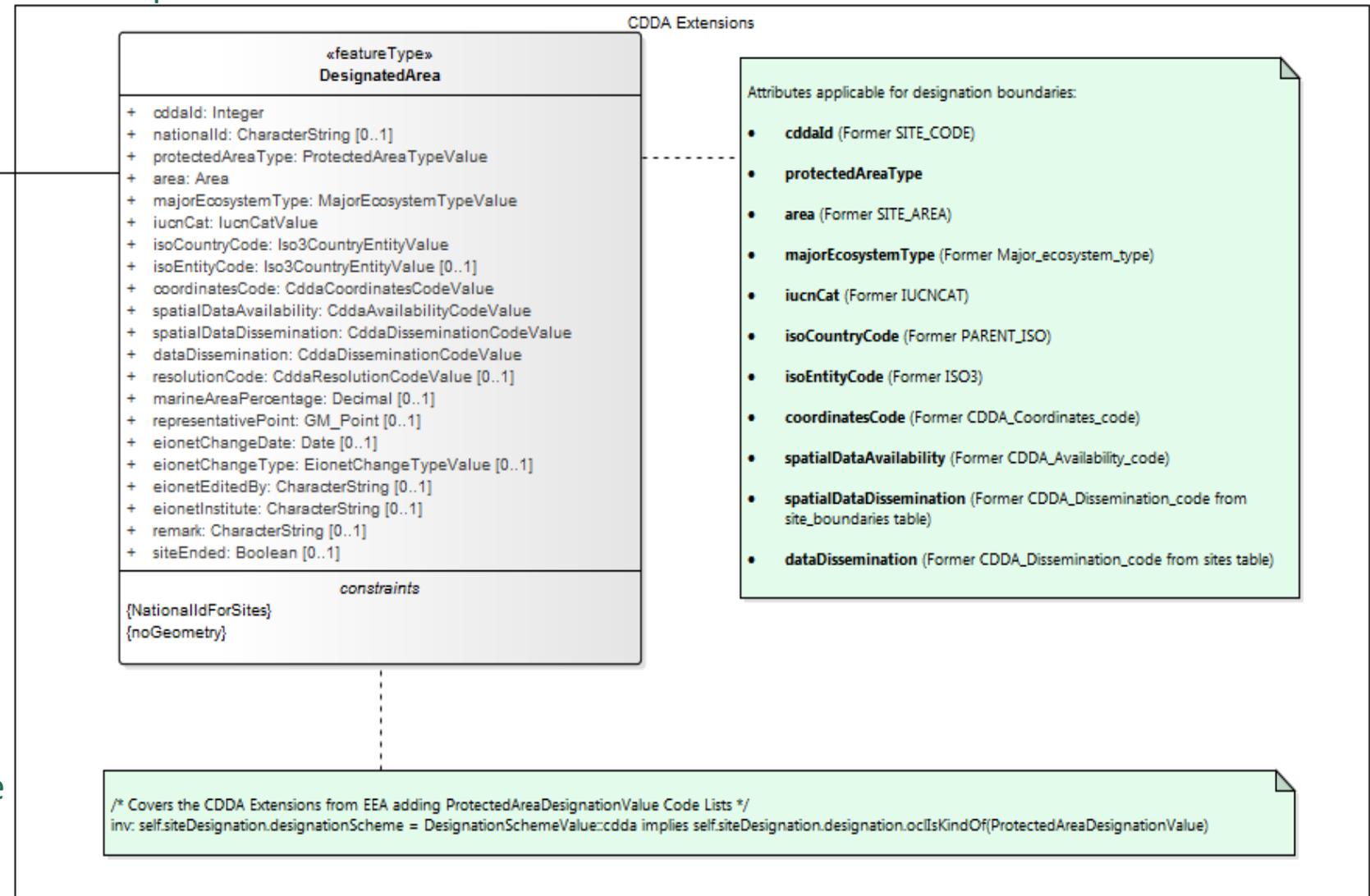


La extensión no modifica nada de las especificaciones de datos INSPIRE pero normativamente la referencia conforme a todos sus requisitos.

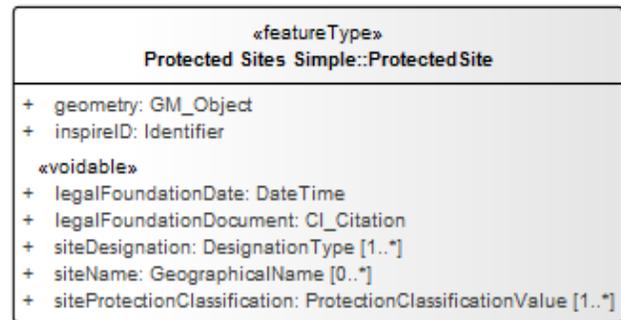
## [CDDA REPORTING]



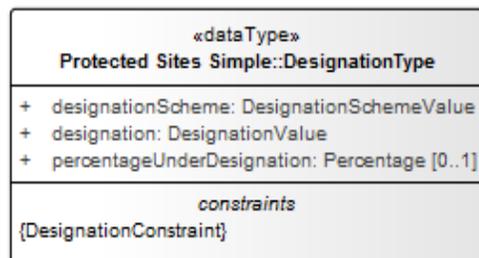
Está permitido agregar nuevos esquemas de aplicación importados de INSPIRE u otros esquemas.



La extensión no modifica nada de las especificaciones de datos INSPIRE pero normativamente la referencia conforme a todos sus requisitos.

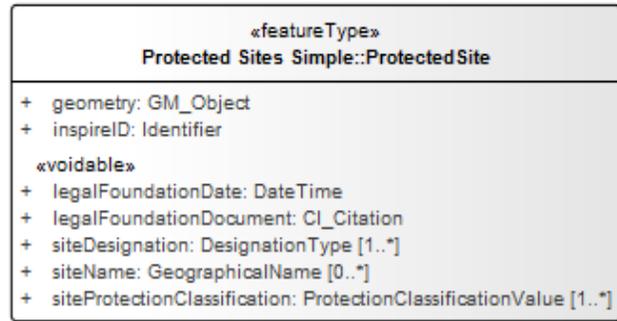
**[CDDA REPORTING]**

2

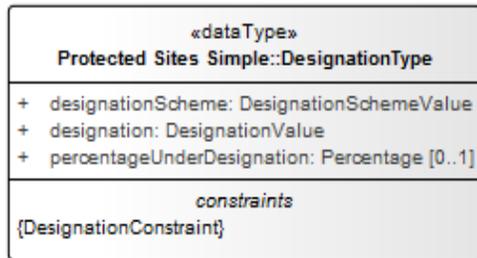


La extensión no añade ningún requisito que rompa cualquier requisito de las especificaciones de datos INSPIRE

## [CDDA REPORTING]

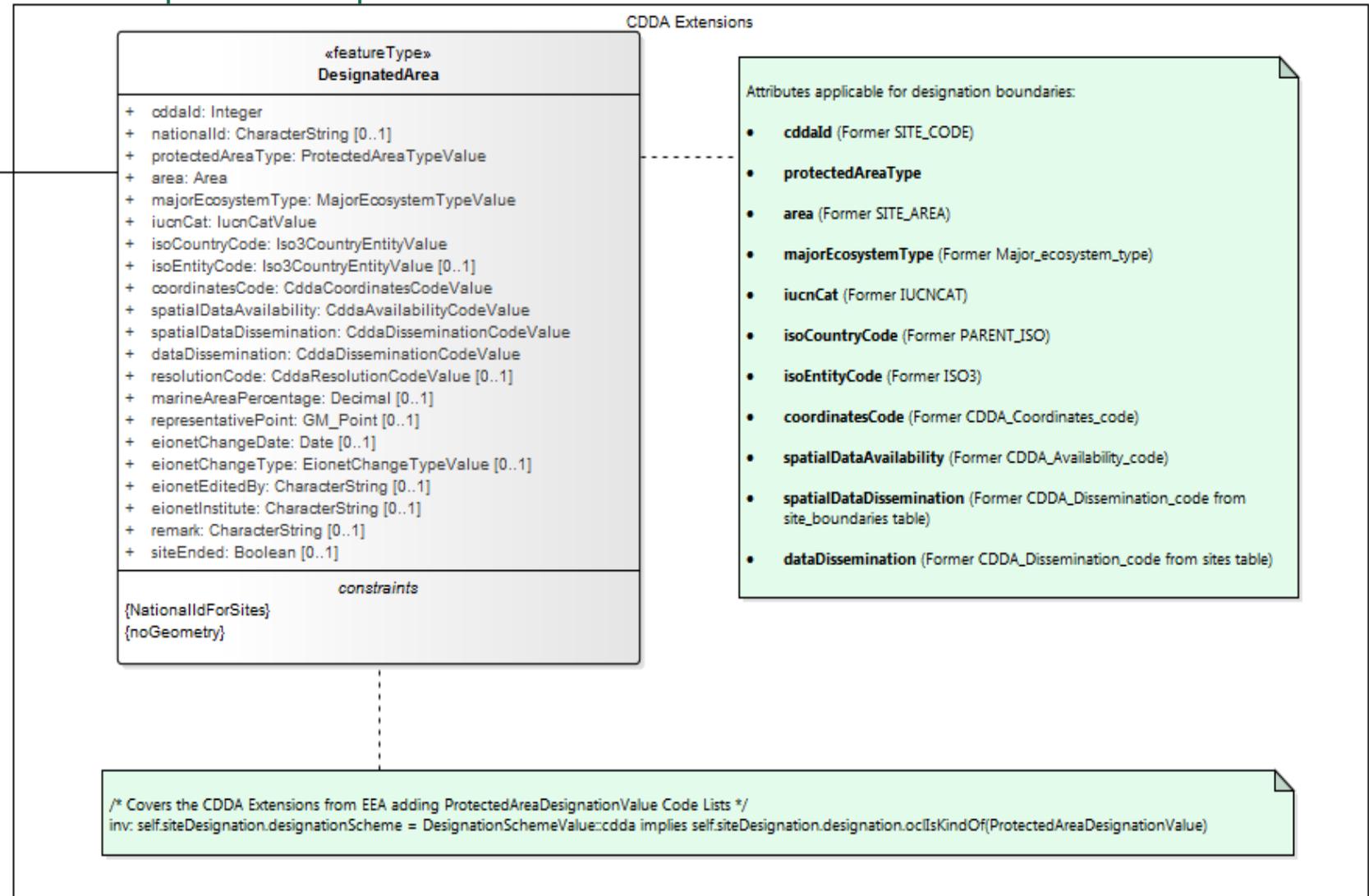


2

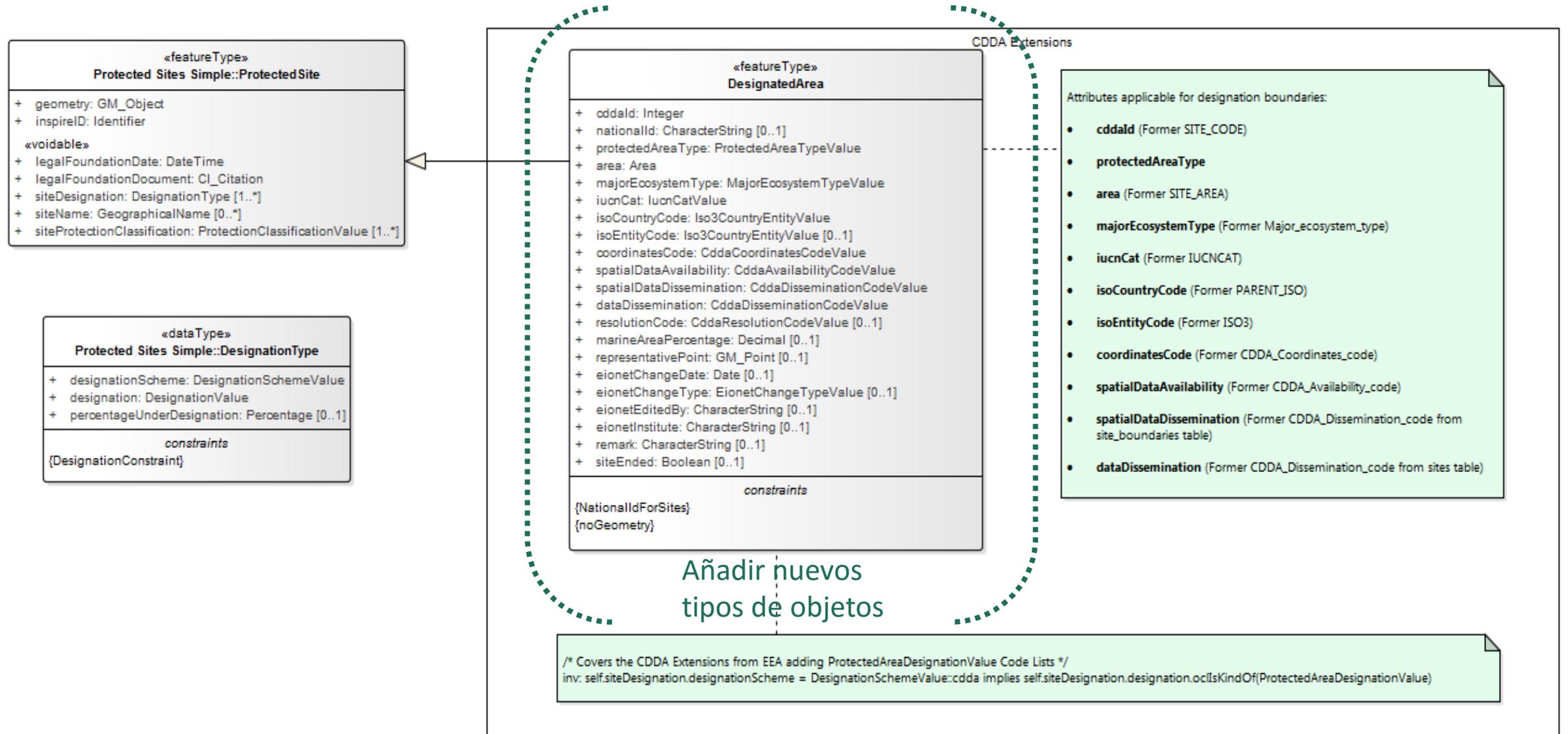


La extensión no añade ningún requisito que rompa cualquier requisito de las especificaciones de datos de INSPIRE

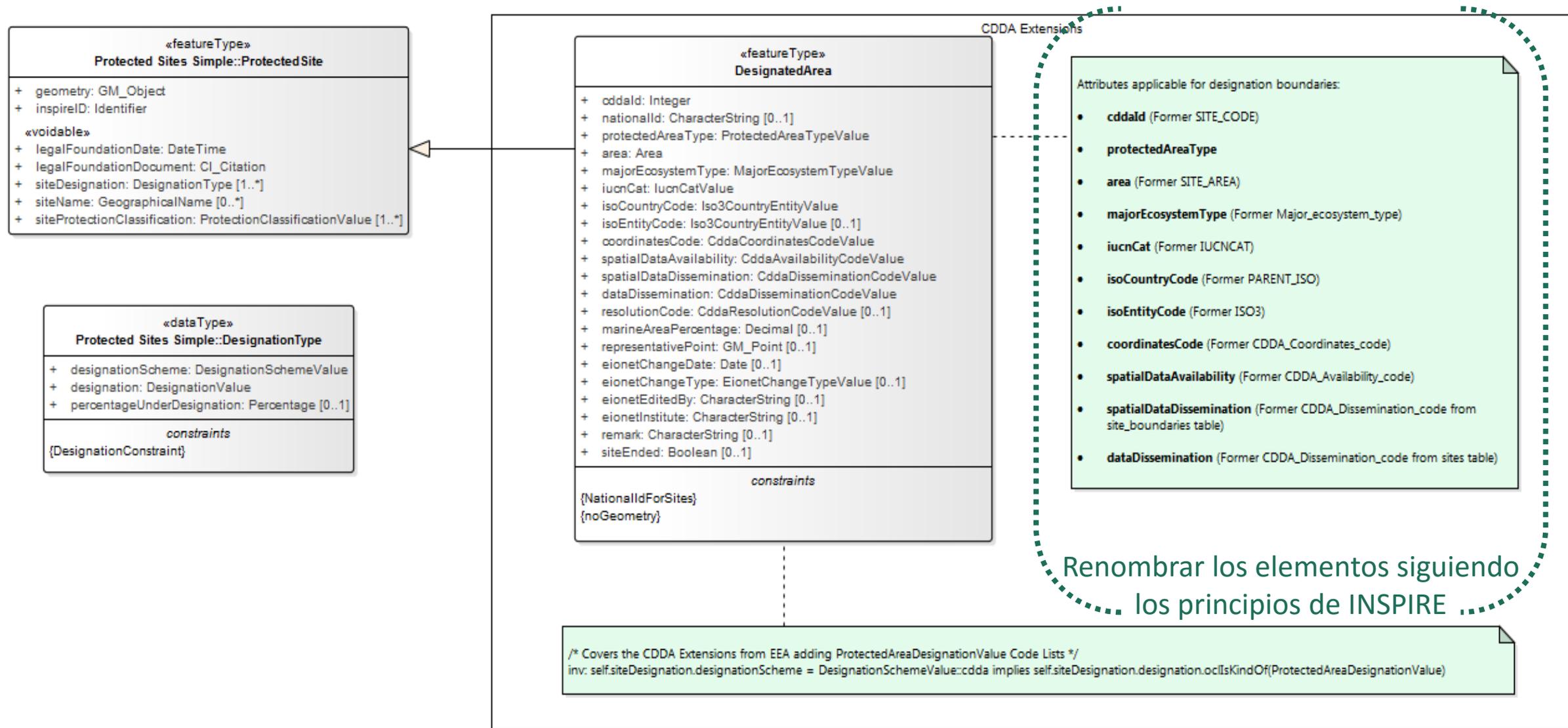
Está permitido agregar nuevos tipos (feature types, data types) y nuevas restricciones en los esquemas de aplicación.



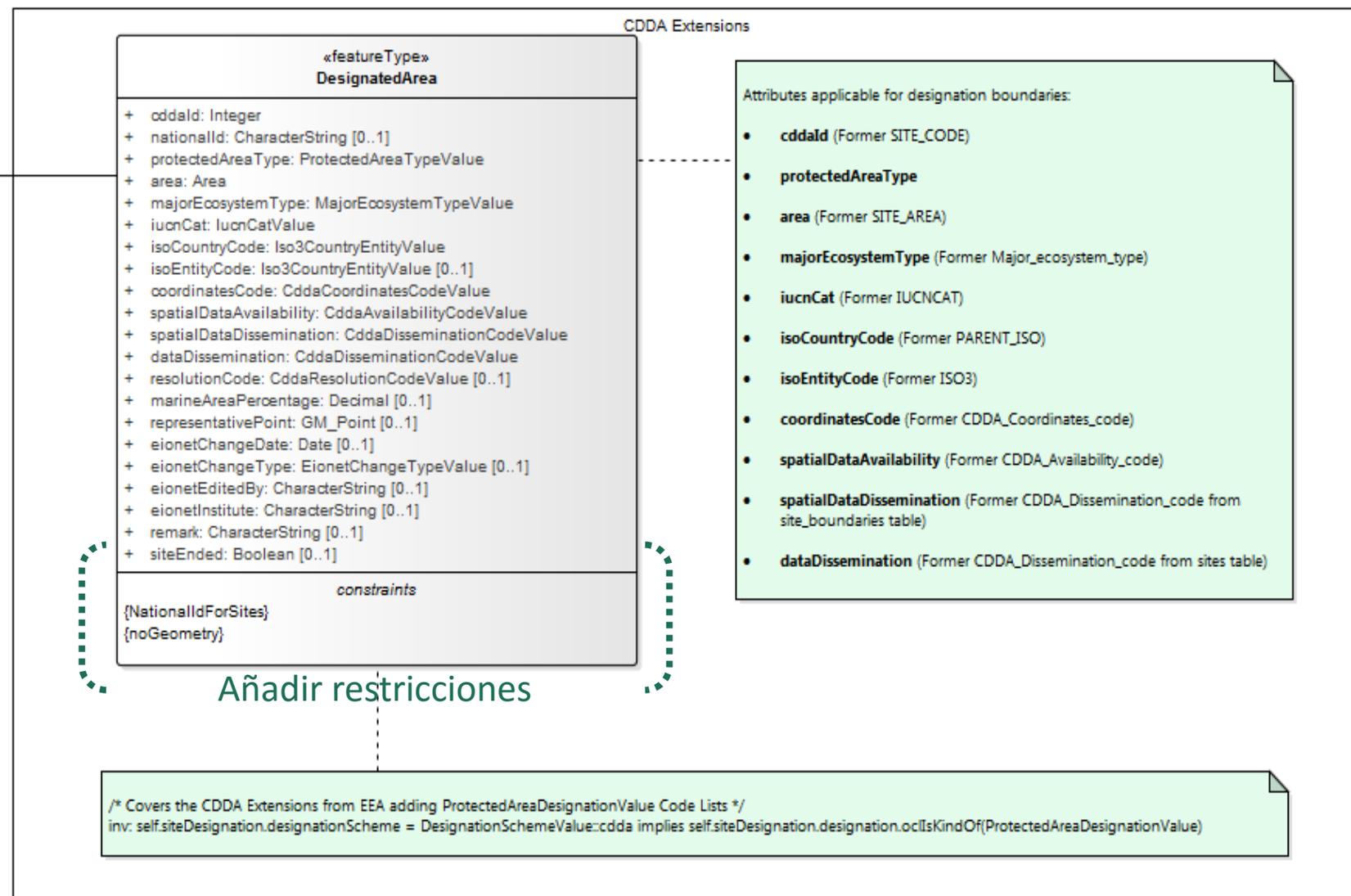
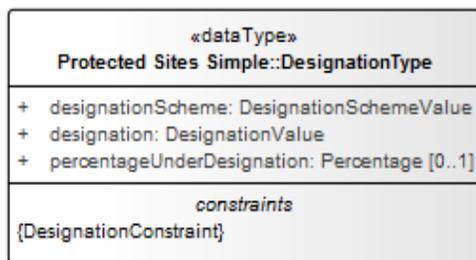
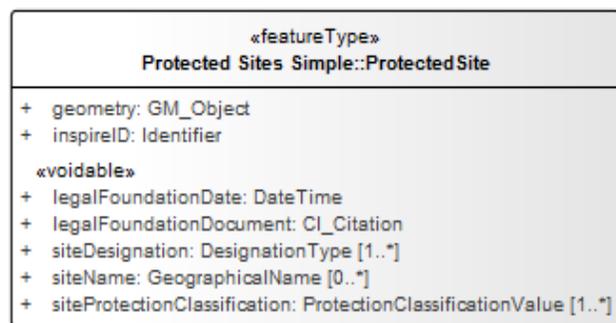
## [CDDA REPORTING]



## [CDDA REPORTING]



## [CDDA REPORTING]

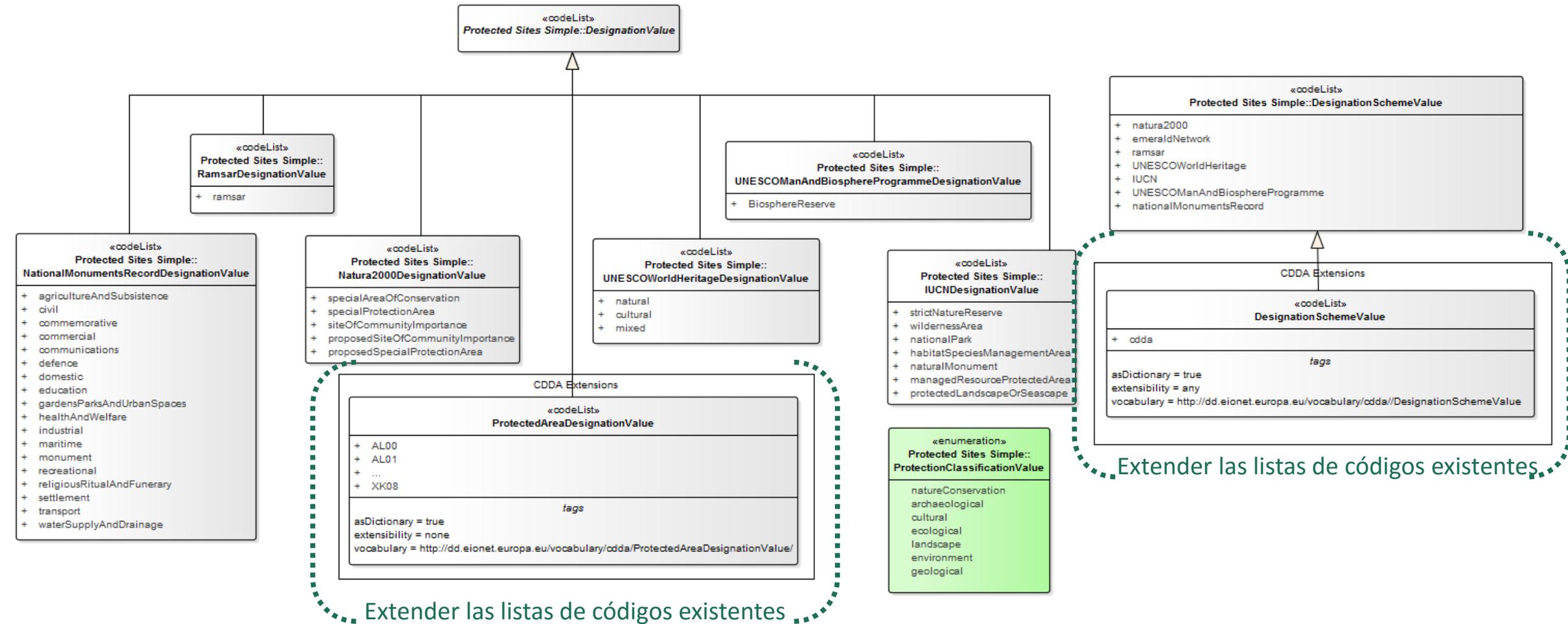


Modificar la multiplicidad de algunos atributos para mejorar o reducir la flexibilidad del modelo de datos

/\* National id is mandatory for protected sites \*/  
 inv: self.protectedAreaType = ProtectedAreaTypeValue::protectedSite implies self.nationalId->notEmpty()

/\*spatialDataAvailability != spatialDataAvailabilityValue::reportedToEEA implies self.geometry = (0,0)\*/  
 inv: self.spatialDataAvailability <> CddaAvailabilityCodeValue::reportedToEEA implies self.geometry -> size() = 0

## [CDDA REPORTING]



## [CDDA REPORTING]

### CDDA Extensions

«codeList» Iso3CountryEntityValue	
+ ABW	<i>tags</i>
+ AFG	
+ ...	
+ ZWE	
asDictionary = true extensibility = none vocabulary = http://dd.eionet.europa.eu/vocabulary/odda/Iso3CountryEntityValue/	

«codeList» CddaResolutionCodeValue	
+ metadataResolution	<i>tags</i>
+ scale100K-250K	
+ scale250K-1M	
+ scaleLarger100K	
+ scaleSmaller1M	
+ unknown	
asDictionary = true extensibility = none vocabulary = http://dd.eionet.europa.eu/vocabulary/odda/CddaResolutionCodeValue/	

«codeList» ProtectedAreaTypeValue	
+ protectedSite	<i>tags</i>
+ protectedBoundary	
asDictionary = true extensibility = none vocabulary = http://dd.eionet.europa.eu/vocabulary/odda/ProtectedAreaTypeValue/	

«codeList» IucnCatValue	
+ II	<i>tags</i>
+ III	
+ IV	
+ Ia	
+ Ib	
+ V	
+ VI	
+ notApplicable	
+ notAssigned	
+ notReported	
asDictionary = true extensibility = none vocabulary = http://dd.eionet.europa.eu/vocabulary/odda/IucnCatValue/	

«codeList» LastLegChngCodeValue	
+ legalActChange	<i>tags</i>
+ siteAreaDecreased	
+ siteAreaIncreased	
+ siteDesignationChanged	
+ siteDesignationEnded	
asDictionary = true extensibility = none vocabulary = http://dd.eionet.europa.eu/vocabulary/odda/LastLegChngCodeValue/	

«codeList» MajorEcosystemTypeValue	
+ marine	<i>tags</i>
+ marineAndTerrestrial	
+ terrestrial	
asDictionary = true extensibility = none vocabulary = http://dd.eionet.europa.eu/vocabulary/odda/MajorEcosystemTypeValue/	

«codeList» CddaCoordinatesCodeValue	
+ eeaCalculation	<i>tags</i>
+ nationalCalculation	
+ unknown	
asDictionary = true extensibility = none vocabulary = http://dd.eionet.europa.eu/vocabulary/odda/CddaCoordinatesCodeValue/	

«codeList» EionetChangeTypeValue	
+ errorCorrection	<i>tags</i>
+ newRecord	
+ updatedField	
asDictionary = true extensibility = none vocabulary = http://dd.eionet.europa.eu/vocabulary/odda/EIONETChangeTypeValue/	

«codeList» CddaDisseminationCodeValue	
+ eeaOnlyInternal	<i>tags</i>
+ eeaPartnersInternal	
+ public	
asDictionary = true extensibility = none vocabulary = http://dd.eionet.europa.eu/vocabulary/odda/CddaDisseminationCodeValue/	

«codeList» CddaAvailabilityCodeValue	
+ notAvailable	<i>tags</i>
+ notRelevant	
+ reportedToEEA	
+ underPreparation	
asDictionary = true extensibility = none vocabulary = http://dd.eionet.europa.eu/vocabulary/odda/CddaAvailabilityCodeValue/	

Crear nuevas listas de códigos

[CDDA REPORTING]



CDDA



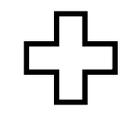
INSPIRE PS



[CDDA REPORTING]



CDDA



INSPIRE PS

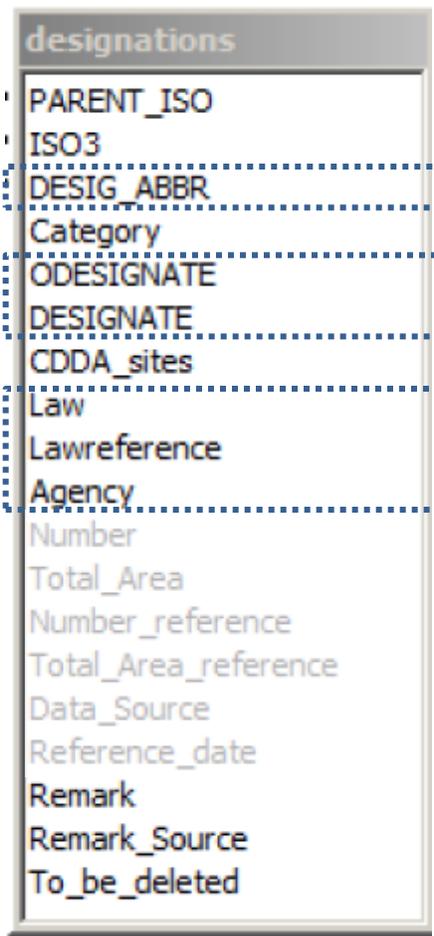


## [DESIGNATION TYPE]



designations	
PARENT_ISO	
ISO3	
DESIG_ABBR	
Category	
ODESIGNATE	
DESIGNATE	
CDDA_sites	
Law	
Lawreference	
Agency	
Number	
Total_Area	
Number_reference	
Total_Area_reference	
Data_Source	
Reference_date	
Remark	
Remark_Source	
To_be_deleted	
Designation period	
Supersedes/superseded by	

## [DESIGNATION TYPE]



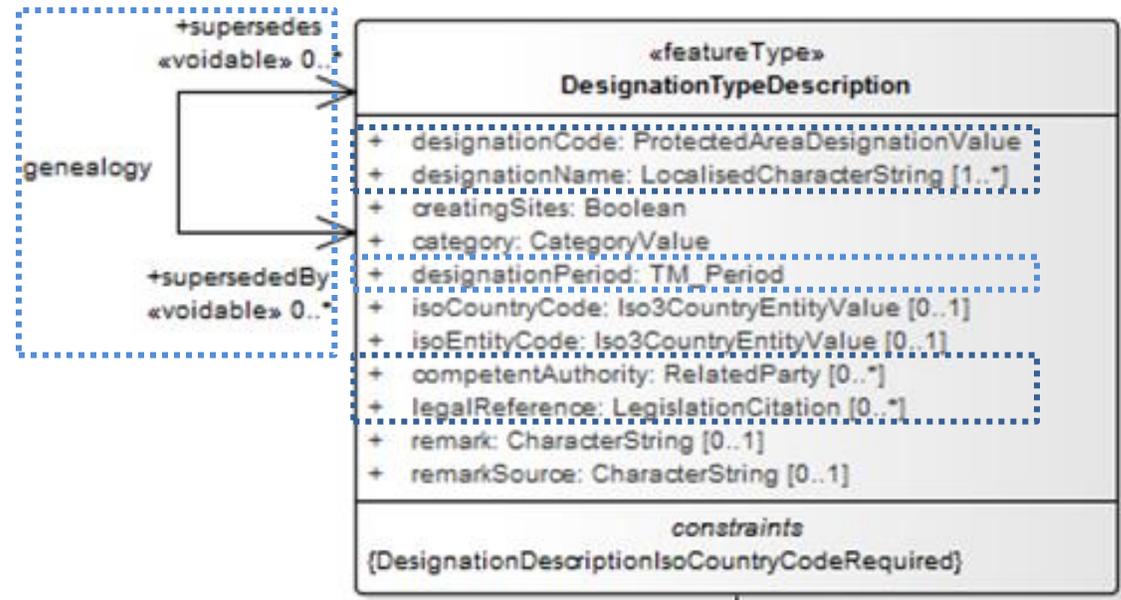
ProtectedAreaDesignationValue  
(CDDA Extension)

LocalisedCharacterString

LegislationCitation

RelatedParty

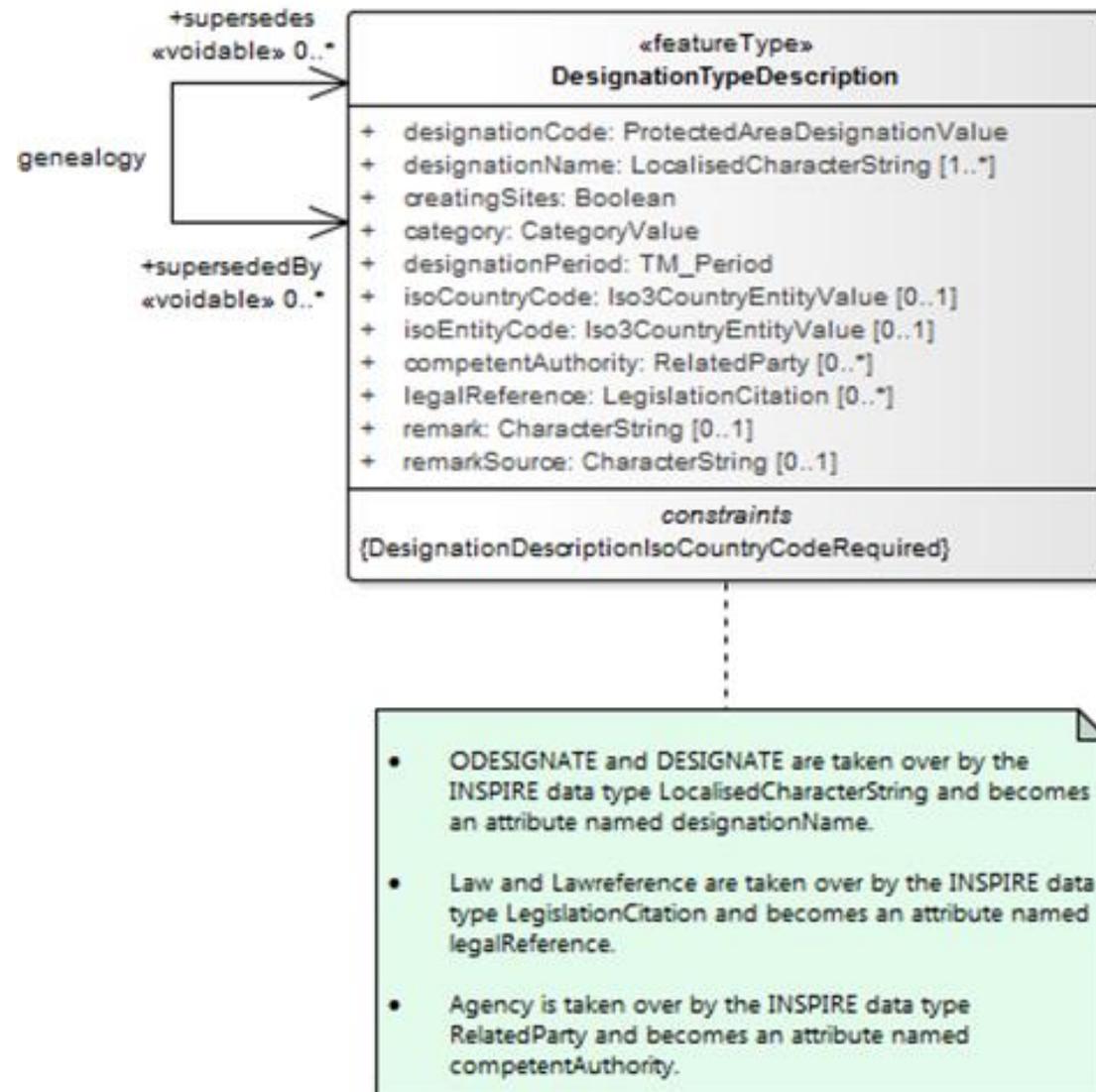
Designation period  
Supersedes/superseded by



genealogy

- ODESIGNATE and DESIGNATE are taken over by the INSPIRE data type LocalisedCharacterString and becomes an attribute named designationName.
- Law and Lawreference are taken over by the INSPIRE data type LegislationCitation and becomes an attribute named legalReference.
- Agency is taken over by the INSPIRE data type RelatedParty and becomes an attribute named competentAuthority.

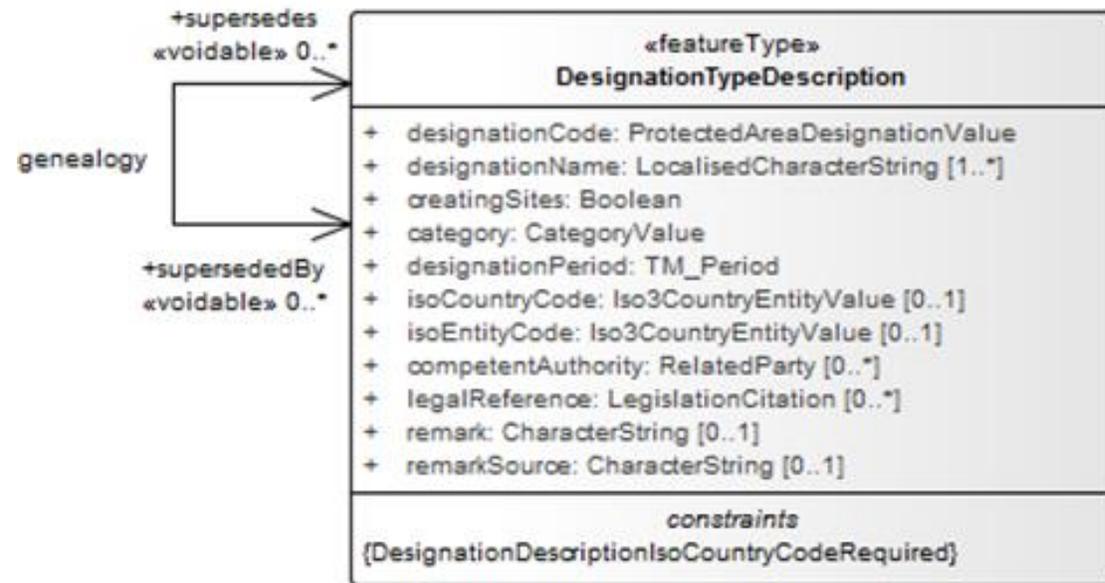
## [DESIGNATION TYPE]



- Nuevo modelo de datos, no se basa en ningún modelo de datos específico de INSPIRE.
- Incluye elementos de varios esquemas.
- Los elementos, atributos, tipos de datos y listas de códigos creados mantienen las relaciones existentes en el anterior modelo *CDDA sites*.
- Nomenclatura conforme a los principios de INSPIRE.
- Nueva lista de códigos:

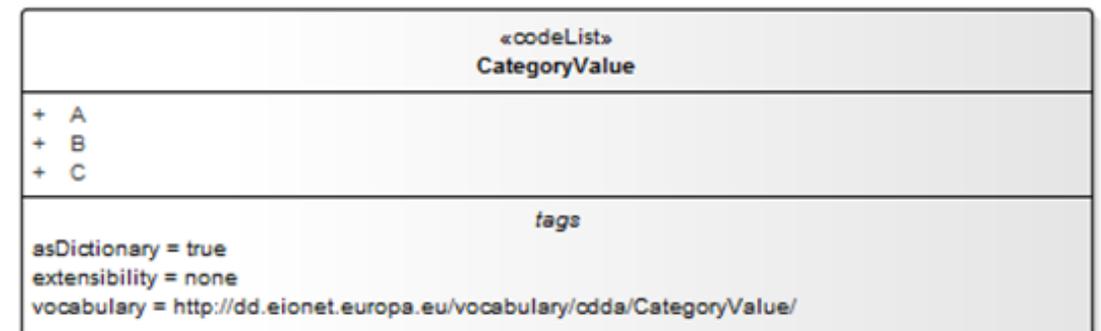
- ODESIGNATE and DESIGNATE are taken over by the INSPIRE data type LocalisedCharacterString and becomes an attribute named designationName.
- Law and Lawreference are taken over by the INSPIRE data type LegislationCitation and becomes an attribute named legalReference.
- Agency is taken over by the INSPIRE data type RelatedParty and becomes an attribute named competentAuthority.

## [DESIGNATION TYPE]

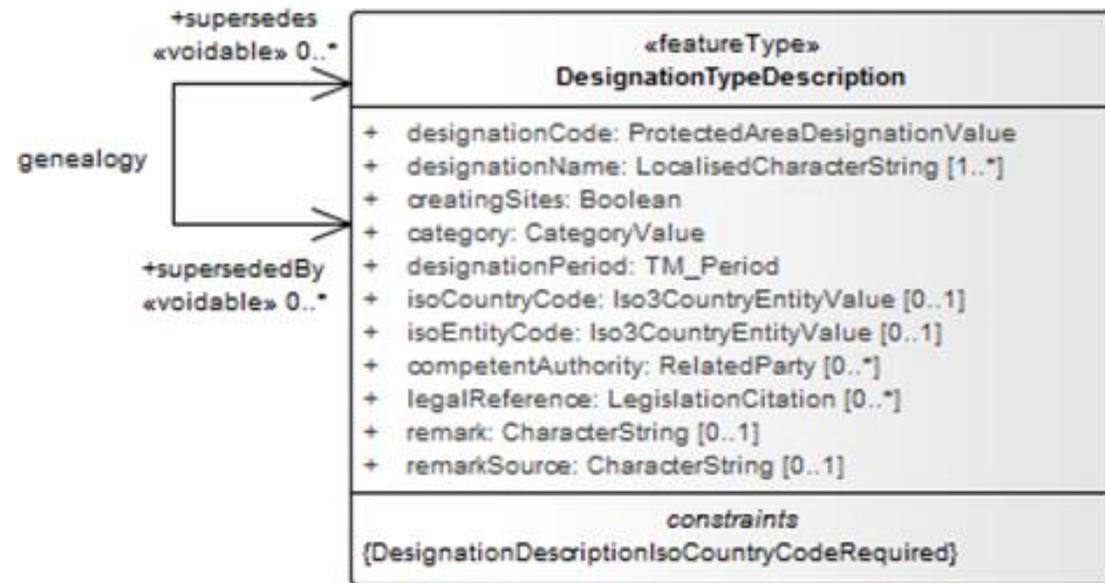


- ODESIGNATE and DESIGNATE are taken over by the INSPIRE data type LocalisedCharacterString and becomes an attribute named designationName.
- Law and Lawreference are taken over by the INSPIRE data type LegislationCitation and becomes an attribute named legalReference.
- Agency is taken over by the INSPIRE data type RelatedParty and becomes an attribute named competentAuthority.

- Nuevo modelo de datos, no se basa en ningún modelo de datos específico de INSPIRE.
- Incluye elementos de varios esquemas.
- Los elementos, atributos, tipos de datos y listas de códigos creados mantienen las relaciones existentes en el anterior modelo *CDDA sites*.
- Nomenclatura conforme a los principios de INSPIRE.
- Nueva lista de códigos:

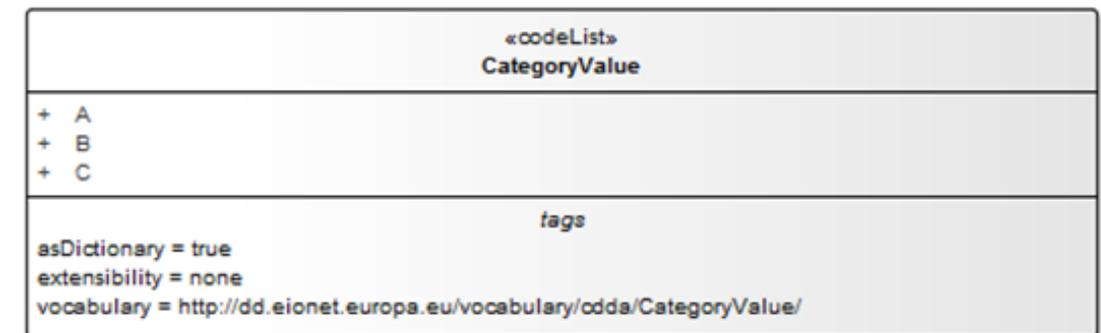
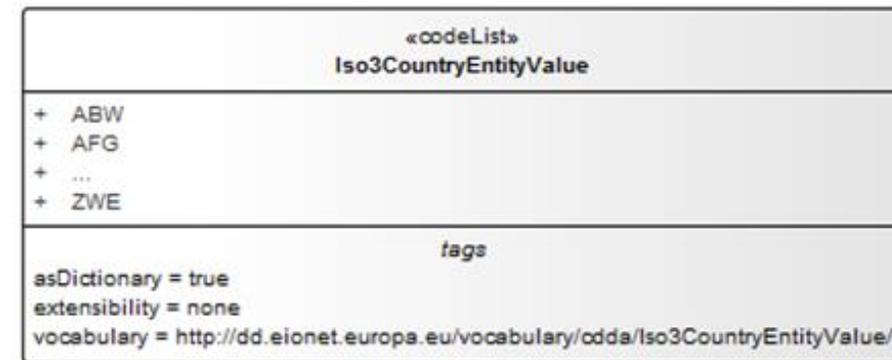


## [DESIGNATION TYPE]

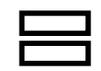


- ODESIGNATE and DESIGNATE are taken over by the INSPIRE data type LocalisedCharacterString and becomes an attribute named designationName.
- Law and Lawreference are taken over by the INSPIRE data type LegislationCitation and becomes an attribute named legalReference.
- Agency is taken over by the INSPIRE data type RelatedParty and becomes an attribute named competentAuthority.

- Las mismas listas de códigos que *CddaReporting* para:



# Reporting covering Common Database on Designated Areas (CDDA) and INSPIRE Protected Sites



# [GRACIAS]

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