INSPIRE · Infrastructure for Spatial Information in Europe

Teste das especificações de dados INSPIRE no NATURE-SDI*plus*: Conservação da Natureza

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snig Sistema Nacional de Informação Geográfica

Objectivos

Apresentar os desenvolvimentos do projecto NATURE-SDI*plus* no que se refere:

Contribuição para o Teste das Especificações de Dados do Anexo I - tema “Sítios Protegidos”

Análise e Sistematização dos dados do ANEXO III relacionados com a conservação da natureza

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INSPIRE Annex I Data Specification Testing Report Template <Protected Areas>

Title	INSPIRE Annex I Data Specification Testing Report Template <Protected Areas>
Creator	<NATURE-SDIplus> <NATURE-SDIplus>
Date	6th March 2009
Subject	Testing Process of the INSPIRE Annex I Data Specification
Publisher	INSPIRE Consolidation Team

Grant Agreement N. ECP-2007-GEO-317007

NATURE-SDI*plus*

D 2.3 Datasets Analysis & Systematisation
Volume 1: Report

Deliverable number	*D-2.3*
Dissemination level	*Restricted (to Nature-SDIplus partners for this draft – final report will be Public)*
Delivery date	*23 September 2009*
Status	*Draft 1.0*
Author(s)	*Margaret Carlisle & David R. Green (University of Aberdeen)*

eContent*plus*

This project is funded under the eContent*plus* programme[1], a multiannual Community programme to make digital content in Europe more accessible, usable and exploitable.

The Nature-SDI plus project

Best Practice Network for SDI in Nature Conservation

Co-funded by the
European Community
***e*Content*plus* Programme**
ECP-2007-GEO-317007

Projecto NATURE-SDI*plus*

Financiamento:

- EC: 7ºPQ,

eContentPlus Programme

Duração:

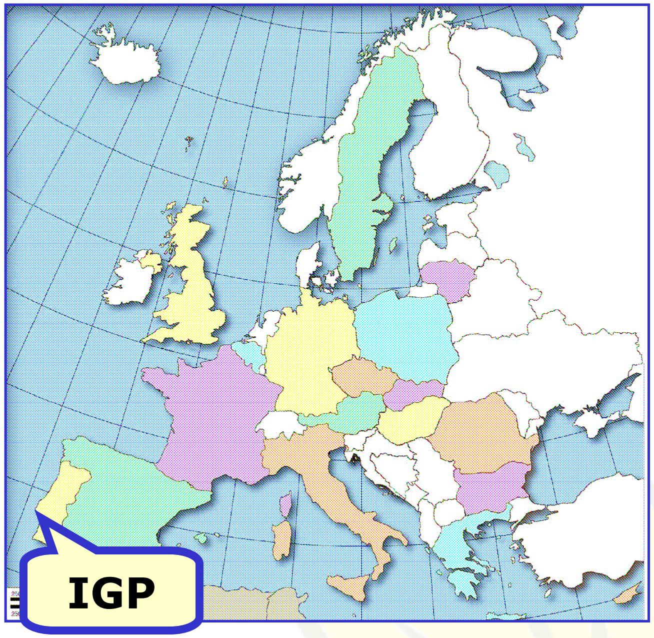
- 30 meses

(início: 01/10/2008

fim: 30/4/2011)

Consórcio:

- 30 parceiros de 19 países



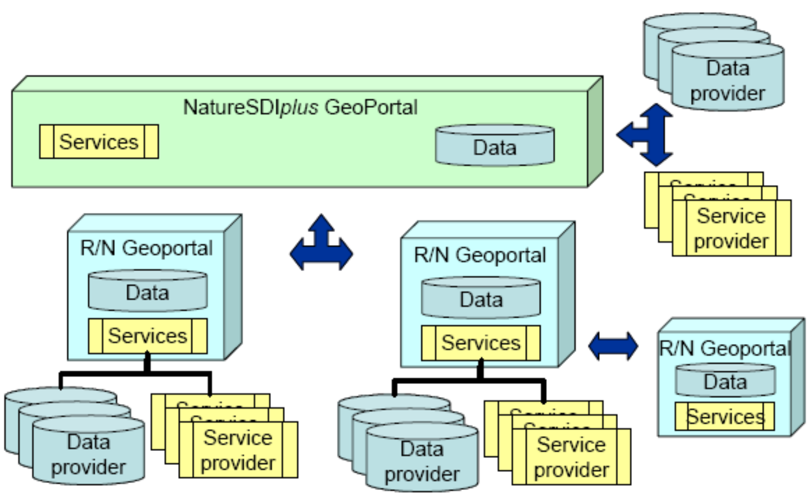
IT(6); AT; ES(2); GR; BE; DE(2); LT; UK; **PT**; CZ; HU(2); PL; BG(2); CY; SE; FR(3); RO; SK; INT.

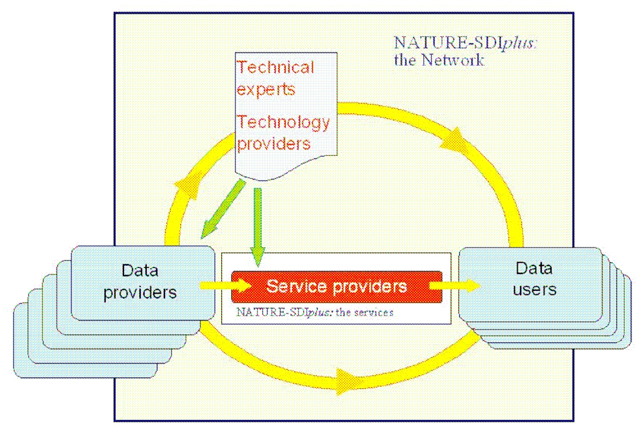
www.nature-sdi.eu

Objectivos do Projecto

Este projecto visa estabelecer uma Rede de Melhores Práticas (*Best Practice Network*) no que respeita aos dados relacionados com a temática da conservação da natureza.

- envolver novos intervenientes
- compartilhar os dados e as melhores práticas
- incentivar e melhorar a exploração e a reutilização da informação

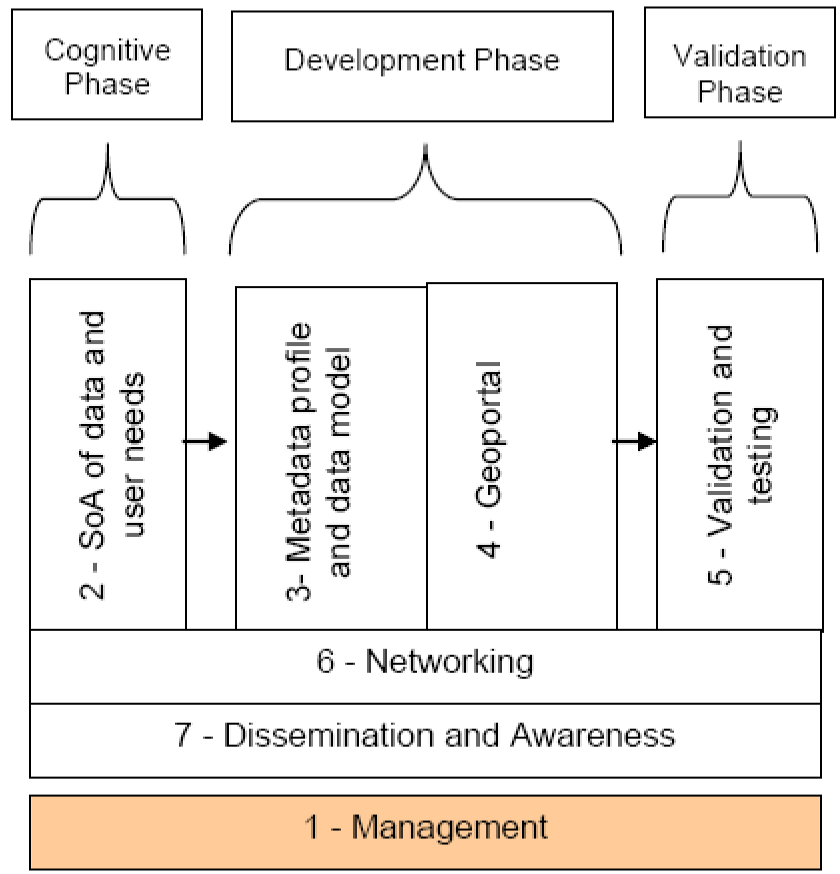




Organização

O IGP participa em todas as WP:

- WP1 - Project Management
- WP2 - User needs analysis and data policies
- WP3 - Interoperable datasets for nature conservation
- WP4 - Creation of the NATURE-SDI*plus* portal
- WP5 - Validation and testing of interoperable datasets
- WP6 - NATURE-SDI*plus* Network development
- WP7 - Dissemination and awareness

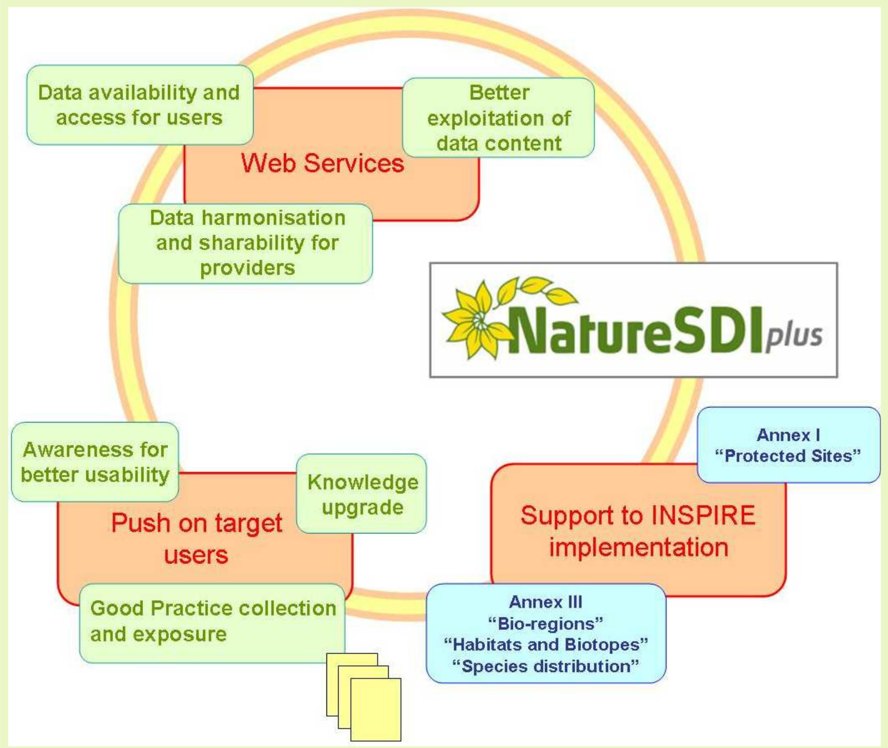


Equipa:

- Alexandra Fonseca (**Coordenadora**)
- Ana Luisa Gomes
- Danilo Furtado
- Ana Sofia
- Pedro Marrecas

Contributos: INSPIRE

O projecto NATURE-SDI*plus* visa estudar e contribuir para a implementação da Directiva INSPIRE, em especial no que diz respeito à Especificação de Dados nos Temas relacionados com a Conservação da Natureza.



- **Sítios protegidos (Anexo I.9)**
- **Regiões biogeográficas (Anexo III.17)**
- **Distribuição de Espécies (Anexo III.18)**
- **Habitats e biótopos (Anexo III.19)**

Especificações de Dados INSPIRE

INSPIRE
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D2.8.I.9 INSPIRE Data Specification on Protected Sites – Guidelines

Title	D2.8.I.9 INSPIRE Data Specification on *Protected sites* – Guidelines
Creator	INSPIRE Thematic Working Group *Protected sites*
Date	2009-09-07
Subject	INSPIRE Data Specification for the spatial data theme *Protected sites*
Publisher	INSPIRE Thematic Working Group *Protected sites*
Type	Text
Description	This document describes the INSPIRE Data Specification for the spatial data theme *Protected sites*
Contributor	Members of the INSPIRE Thematic Working Group *Protected sites*
Format	Portable Document Format (PDF)
Source	
Rights	Public
Identifier	INSPIRE_DataSpecification_PS_v3.0.pdf
Language	En
Relation	Directive 2007/2/EC of the European Parliament and of the Council of 14 March 2007 establishing an Infrastructure for Spatial Information in the European Community (INSPIRE)
Coverage	Project duration

- Verificação do Modelo de Dados proposto pelo INSPIRE, relativamente ao Tema **sítios protegidos** (**Anexo I**)

- Elaboração de propostas de Modelos de Dados para apoiar o INSPIRE (**Anexo III**):
  - **Regiões biogeográficas**
  - **Distribuição de Espécies**
  - **Habitats e biótopos**

Teste das Especificações de Dados INSPIRE

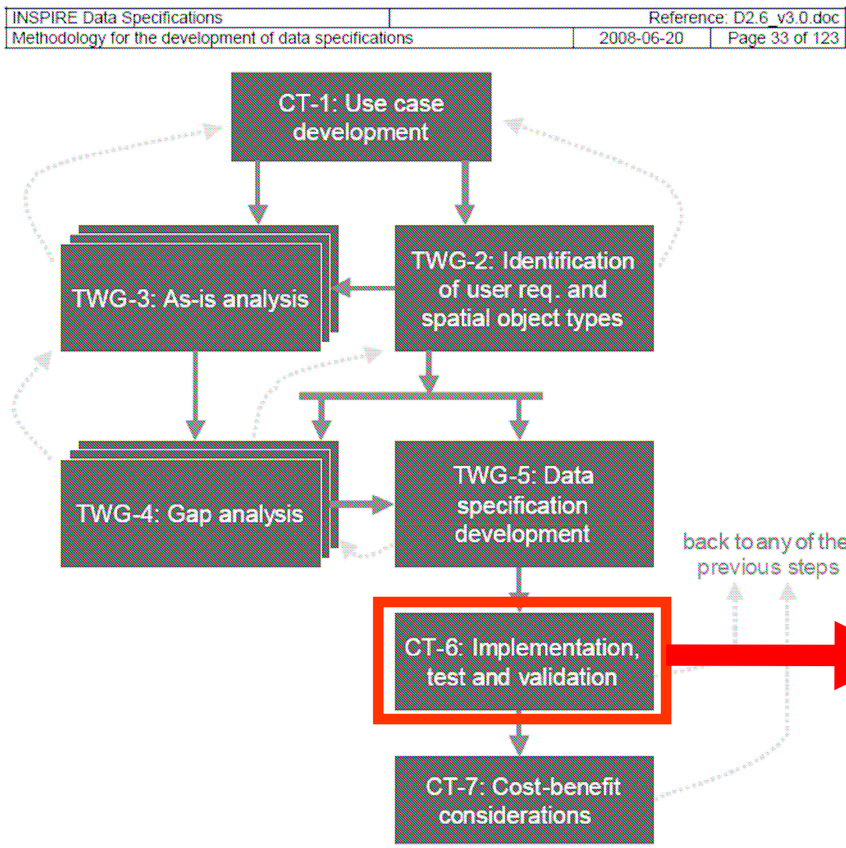


Figure 5 – The process of developing INSPIRE data specifications

Nature-SDI*plus* and the INSPIRE methodology:

Actions:

1: what available

2: match analysis

3.1: reporting difference

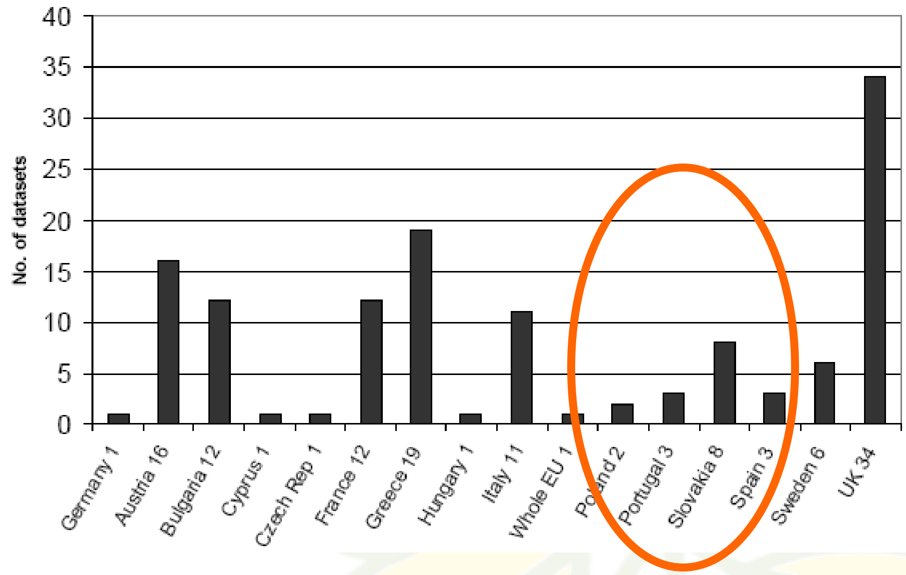
3.2: what to do

INSPIRE Step1: what available

Identificação dos conjuntos de dados geográficos (**CDG**)

Tema **Sítios Protegidos** (Anexo I)

Nº de CDG identificados para os países parceiros no projecto



Em Portugal:

1. SPA (Special Protection Areas - Birds)
2. SCI (Sites of Community Importance - Habitats)
3. NDA (National Designated Areas)

Equipa do ICNB:

Arq. Henrique Marinho

Drª Marta Marau

Drª Ana Coito

ICNB Instituto da Conservação da Natureza e da Biodiversidade

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INSPIRE Step2: match analysis

O documento das Especificações de Dados INSPIRE para o tema “Sítios Protegidos” (*INSPIRE Data Specification on Protected Sites*) identifica:

- cerca de 50 atributos para os CDG
- cerca de 40 atributos para os metadados

Para estar em conformidade com as Especificações de Dados do INSPIRE são considerados como **obrigatórios**:

para os CDG:

- *Object Identifier*
- *Geometry*
- *DesignationType*
- *Legal Foundation Document*
- *Legal Foundation Date*
- *Geographical Name*

para os metadados:

- *Spatial Resolution*
- *DQ_Completenes Ommission*
- *Mantenance and Update Frequency*
- *Online*
- *Geographic Identifier*

INSPIRE
Infrastructure for Spatial Information in Europe

D2.8.I.9 INSPIRE Data Specification on Protected Sites – Guidelines

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Coverage	Project duration

NatureSDIplus

INSPIRE Step2: match analysis

Classificação dos atributos (**CDG**):

- **obrigatório (INSPIRE)** (amarelo)
- **acrescentar (NatureSDI)** (rosa)
- **eliminar (NatureSDI)** (azul)

1 – informação presente na IG de acordo com a especificação do INSPIRE

2 – informação presente nos metadados

3 – informação obtida por outras fontes

"Matching Table"
CDG with attributes by the INSPIRE Data Specifications (Protected Sites)

Country	Name of data layer	Database profile	protectedFeatureType (for geo, archaeo & cultural s	objectIdentifier (PF)	globalAssessment	percentageOfSiteCoveredByProtectedFeature	percentageOfNationalTerritoryCoveredUnderProtecte	beginLifespanVersion	endLifespanVersion	objectIdentifier (PS)	categoryType (eco, geo, archeo, cultural or mixed)	siteCode	siteCodeScheme	geometry (implicit)	geometry (explicit x & y co-ords)	IUCNCategory	activitiesAndImpactsOnSite	accuracy	accuracyUnitsOfMeasure	designationType - eco (SAC, SPA, SCI, Ramsar, N	designationType - geo	designationType - archeo	designationType - cultural	nationalDesignationType (CDDA)	siteDescription	qualityAndImportance	vulnerability	ownership	documentation	legalFoundationDocument	legalFoundationDate
				ProtectedFeature						ProtectedSite (=Protected Area) DATABASE FIELDS/ATTRIB																					
	Profile: 0=non-compliant, A=simple, B=full, C=Natura 2000																														
	Yellow = Simple Profile																														
	Suggested additions																														
	Suggested deletions																														
	1 = existing attribute, 2 = found in metadata, but not in attributes																														
	3 = not in attributes or metadata but available to responsible agency either online or offline																														
France	Natura 2000 for region LR	0			3	3	3			1	3	1	3	1	1	3	3	2	3	2				3	2	3	3	2	3	2	2
	Natura 2000 for region PO	0			3	3	3			1	3	1	3	1	1	3	3	2	3	3				3	3	3	3	3	3	3	3
	Parcs Nationaux metropol	0								1	3	1	3	1	1	3	3	3	3	3				3	3	3	3	3	3	3	1
	Parcs Nationaux Pyren	0								1	3	1	3	1	1	3	3	2	3	3				3	3	3	3	3	3	3	1
	Reserves Naturelles metro	0								1	3	1	3	1	1	3	3	3	3	3				3	3	3	3	3	3	3	1
	Reserve Natur Gardon 08	0								1	3		3	1	1	3	3	3	3	3				3	3	3	3	3	3	3	3
	Reserve Natur Gardon 09	0								1	3		3	1	1	3	3	3	3	3				3	3	3	3	3	3	3	3
	Reserve Naturelle LR	0								1	3	1	1	1	1	3	3	2	3	3				3	2	3	3	2	3	2	1
	Littoral metropolitaine	0								1	3	1	3	1	1	3	3	2	3	3				3	3	3	3	3	3	3	3
	Littoral Bretagne - perim	0								1	3	1	3	1	1	3	3	3	3	3				3	3	3	3	3	3	3	3
	Littoral Bretagne – dom	0								1	3	1	3	1	1	3	3	3	3	3				3	3	3	3	3	3	3	3
	Parc Naturel Marin	0								1	3	1	1	1	1	3	3	2	3	3				3	2	3	3	3	3	2	1
Italy	Geopark AB perimeter	0								3	3			1	1	3		3						3	1						
	Geopark AB sites	0								3	3			1	1	3		3						3	1						
	Natural Park AB perimeter	0								3	3			1	1	3		3						3	1						
	Natu Park AB sub-regions	0								3	3			1	1	3		3						3	1						
	Liguria SIC (habitats)	0								1	2	1		1	1	3		2	3	3	3	3	3	1	3	3		3	3	3	3
	Liguria ZPS (birds)	0								1	2	1		1	1	3		2	3	3	3	3	3	1	3	3		3	3	3	3
	Liguria Aree Protette	0								1	2	1		1	1	1		2	3	3	3	3	3	1	1	3		1	3	3	3
	Nat2k SIC Piemonte	0						3		3	3	1	3	1	2	3		2	2	3	3			3	3					3	1
	Nat2k ZPS Piemonte	0						3		3	3	1	3	1	2	3		2	2	3				3	3					3	1
	Parks Piemonte	0						3		3	3	1	3	1	2	1		2	2	3	3	3	3	1	3					3	1
	SIR Piemonte	[illegible]						[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]					[illegible]	[illegible]
Portugal	SPA (birds)	0									3	1		1	1	3		2		1				3						1	1
	SCI (habitats)	0									3	1		1	1	3		2		1				3						2	2
	NDAs (National Desig Areas)	0									3			1	1	3		2		3				1						2	2
Spain	SCI Navarra (habitats)	0		1		3	3	2		1	3	1		1	2	3	3	2	2	2				3	1	2		3	2	2	2
	SAC Navarra (habitats)	0		1		3	3	1		1	3	1		1	2	3	3	2	2	2				3	1	2		3	2	1	1
	Natural Parks Navarra	0		1		3	3	1		1	3	1		1	2	3	3	2	2	2				3	1	3		3	2	1	1

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INSPIRE Step2: match analysis

Classificação dos atributos (**Metadados**):

- **obrigatório (DS_Protected Sites)**
- **obrigatório (INSPIRE Metadata profile - ISO 19115/19119 24/12/2008)**

1 – informação presente na IG de acordo com a especificação do INSPIRE

2 – informação presente nos metadados

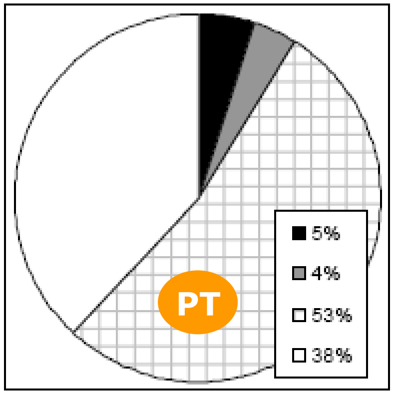
3 – informação obtida por outras fontes

"Matching Table" with metadados by the INSPIRE Data Specifications (Protected Sites)

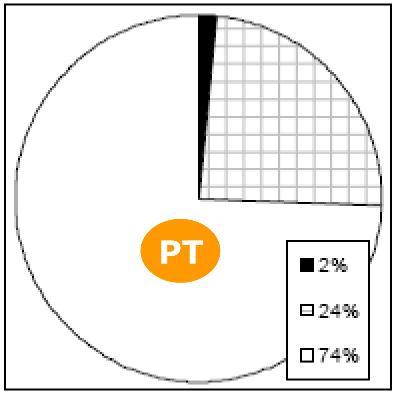
Countr	Name of data layer	graphicOverview	updateScope	featureTypes	portrayalCatalogueCitation	Resource title	Resource abstract	Resource type	Resource locator	Unique resource identifier	Resource language	Topic category	Keyword	Geographic bounding box	Temporal reference	Lineage	Spatial resolution	Conformity	Conditions for access and use	Limitations on public access	Responsible organisation	Metadata point of contact	Metadata date	Metadata language	Download service providing access to pre-defined d
	Yellow = Simple Profile (Protected Sites only)																								
	Pale Yellow = one or more of this group is essential for Simple Profile																								
	Pale Orange = Simple Profile (general)																								
	1 = existing attribute, 2 = found in metadata, but not in attributes																								
	3 = not in attributes or metadata but available to responsible agency either online or offline																								
Ita	Geopark AB perimeter												3	3					3						
	Geopark AB sites												3	3					3						
	Natural Park AB perimeter												3	3					3						
	Natu Park AB sub-regions												3	3					3						
	Liguria SIC (habitats)	2				2	2		2		2	2	3	3	1	2	2		3		3		1	1	
	Liguria ZPS (birds)	2				2	2		2		2	2	3	3	1	2	2		3		3		1	1	
	Liguria Aree Protette	2				2	2		2		2	2	3	3	1	2	2		3		3		1	1	
	Nat2k SIC Piemonte	2	2											2	2		2	2	2		2	2	2	2	3
	Nat2k ZPS Piemonte	2	2											2	2		2	2	2		2	2	2	2	3
	Parks Piemonte	2	2											2	2		2	2	2		2	2	2	2	3
	SIR Piemonte	2	2											2	2		2	2	2		2	2	2	2	3
Nat2k	NaturaSite100k		3	2		2	2			2	2	2	2	2	2		2		2	2	2	2	2	2	
Pol	Natura 2000 SPA & SCI						3						3	3					3		3	3			
	National Parks & Nature Res												3	3					3						
Por	SPA (birds)					2	2	2	2		2	2	2	2	2	2	2		2	2	2	2	2	2	2
	SCI (habitats)					2	2	2	2		2	2	2	2	2	2	2		2	2	2	2	2	2	2
	NDAs (National Desig Areas)					2	2	2	2		2	2	2	2	2	2	2		2	2	2	2	2	2	2
Slk	SK1 Small scale areas					3	3	3					3	3			3		3	3	3	3	3	3	
	SK2 Protected landscape					3	3	3					3	3			3		3	3	3	3	3	3	
	SK3 Biosphere reserves					3	3	3					3	3			3		3	3	3	3	3	3	
	SK4 SPA					3	3	3					3	3			3		3	3	3	3	3	3	

INSPIRE Step3.1: reporting difference:

Conformidade:
especificações de dados do tema "Protected Sites"



Database



Metadata – theme specific

Sítios Protegidos
(131 CDG – 16 países)

- **em conformidade**
- **CDG em conformidade: com base na informação dos metadados**
- **em conformidade recorrendo a outra informação**
- **não está em conformidade**

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INSPIRE Step3.2 - what to do

Questionário para apoiar o estudo sobre o esforço de cada estado membro para concretizar as transformações necessários para atingir a conformidade com as especificações de dados INSPIRE

Questões relacionadas com:

- Viabilidade das transformações necessárias
- Custos e benefícios da transformação
- Avaliação da relevância dos CDG
- Aspectos organizacionais

Evaluation of feasibility/costs/benefit of transformation and some conclusion/recommendations.

Data quality

Question 19:

Referring to sec. 7 of D2.8.I.9 INSPIRE_DataSpecification_PS_v2.0, page 44, please give hints if and how your data policy pursues the INSPIRE requirements for data quality
Answer: Capture of NDA (National Design Areas) an SPA Birds was made based on digitalization above military cartography in 1:25 000 scale, from serial M888 IGeoE, with Hayford Gauss projection and Lisbon Datum. Capture of SCA Habitats was made based on digitalization above Portuguese Geographic and Cadastral Institute cartography in 1:00 000 scale, from serial M684, withs Hayford Gauss projection and Lisbon Datum

Question 20:

If the answer to what above is yes, please give hints about how do you plan to check data quality
Answer:

Portrayal

Question 27:

Referring to sec. 11 of D2.8.I.9 INSPIRE_DataSpecification_PS_v2.0, page 51, please give hints if and how you plan to meet the INSPIRE requirements for portrayal. If you have structured rules, even not related to INSPIRE, please make reference
Answer: Our Protected Sites are organized according to designation types: One layer for all Spatial Conservation Area (under Natura 2000) - SCA One layer for all Special Protection Area - SPA One layer for all Nationally Designated Area - NDA We don´t have rules defined for the representation symbology

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Análise e Sistematização dos dados: Anexo III

Identificação dos conjuntos de dados geográficos (**CDG**) do Anexo III relacionados com a conservação da natureza:

- Regiões biogeográficas
- Distribuição de Espécies
- Habitats e biótopos

Análise sistemática de caracterização dos **CDG**:

- existência de metadados
- escala e resolução
- data e frequência da actualização
- formatos da IG
- acessibilidade

Conjuntos de Dados Geográficos: Anexo III

Identificação dos conjuntos de dados geográficos (**CDG**)

Tema **Distribuição de espécies** (Anexo III)

Espécies:

PISCES - Sável

AMPHIBIA - Tritão-marmorado

AVES – Abelharuco

MAMMALIA - Lobo ibérico

REPTILIA - Cobra-de-ferradura

FLORA - Abrótea

	Dataset filename	Units Meas.	Surv Scale	Data Scale	Quality info
Germany	BerchtesgadenNP Golden Eagle	Meters	GPS 10m res	10m res implies1:20k	10m res
	BerchtesgadenNP Silene acaulis	M	GPS 10m res	10m res implies1:20k	10m res
	BerchtNP Silene acaulis Probability	M	GPS 10m res	20m res implies1:40k	20mx20m grid cell
Bulgaria	Birds of prey_nests_Strandja_2009	Meters	GPS 5m res	5m res implies1:10k	5m res
	Ichtyo_Strandja_2007	M	GPS 5m res	Published map 1: 235k	100m res
	Macrolepidoptera_Strandja_2008	M	GPS 5m res	5m res implies1:10k	5m res
	Picidae_Strandja_1	M	GPS 5m res	7m res implies1:15k	7m res
	RuscusAcul_Strandja	M	GPS 5m res	5m res implies1:10k	5m res
	VacciniumArcto_Strandja	M	GPS 5m res	5m res implies1:10k	5m res
Czech R	Nálezová data (Occurrence data)	Meters			Wide range of geometric precision – from GPS coordinates to grid mapping
France	RNRGG_vegetales	Meters	1:5k	1:5k	GPS data 1:5k scale implies 2.5m res
	RNRGG_vegetales_envahissantes	M	1:5k	1:5k	GPS data 1:5k scale implies 2.5m res
	RNRGG_invertebres	M	1:5k	1:5k	GPS data 1:5k scale implies 2.5m res
	RNRGG_vertebres_ligne	M	1:5k	1:5k	GPS data 1:5k scale implies 2.5m res
	RNRGG_vertebres_point2	M	1:5k	1:5k	GPS data 1:5k scale implies 2.5m res
	PNR-LAT_obs_faune-flore	M			
	Normandie_Oprhys_2006	M	1:5k	1:8k	GPS data 1:8k scale implies 4m res
	Normandie_Oprhys_2007	M	1:5k	1:8k	GPS data 1:8k scale implies 4m res
	Normandie_Oprhys_2008	M	1:5k	1:8k	GPS data 1:8k scale implies 4m res
Hungary	Bombina bombina	Meters		1:500k	1:500k implies 250m res The main priority area of occurrence of the population are well generalized and ranked
	Vincetoxicum pannonicum	M		1:500k	1:500k implies 250m res The main priority area of occurrence of the
Italy	Piemonte_Triturus_carnifex	Meters	GPS & Bibliographic data	1:100k	Most of the original data are localized with GPS (25m res). Bibliographic data are georeferenced with the best possible accuracy, according to the
Lithuania	Lithuania protected species	Meters	GPS & 1:10k	1:10k to 50k	Observation points are based on GPS measurements, polygons mapped on
Portugal	Amphibia_Triturus	Kilometres		10km grid (=1:20 mill)	10km grid
	Aves_Merapia	Km		10km grid (=1:20 mill)	10km grid
	Flora_Asphodelus	Km		10km grid (=1:20 mill)	10km grid
	Mammalia_Canis-lupus	Km		10km grid (=1:20 mill)	10km grid
	Pisces_Alosa	Km		10km grid (=1:20 mill)	10km grid
	Reptilia_Coluber	Km		10km grid (=1:20 mill)	10km grid
Slovakia	Nat2k animals	Meters		1km grid (=1:2 mill)	1km grid
	Nat2k plants	M		1km grid (=1:2 mill)	1km grid
	Lutra lutra	M	1:10k	10km res = 1:20 million	10km grid

Conjuntos de Dados Geográficos: Anexo III

Identificação dos conjuntos de dados geográficos (CDG)

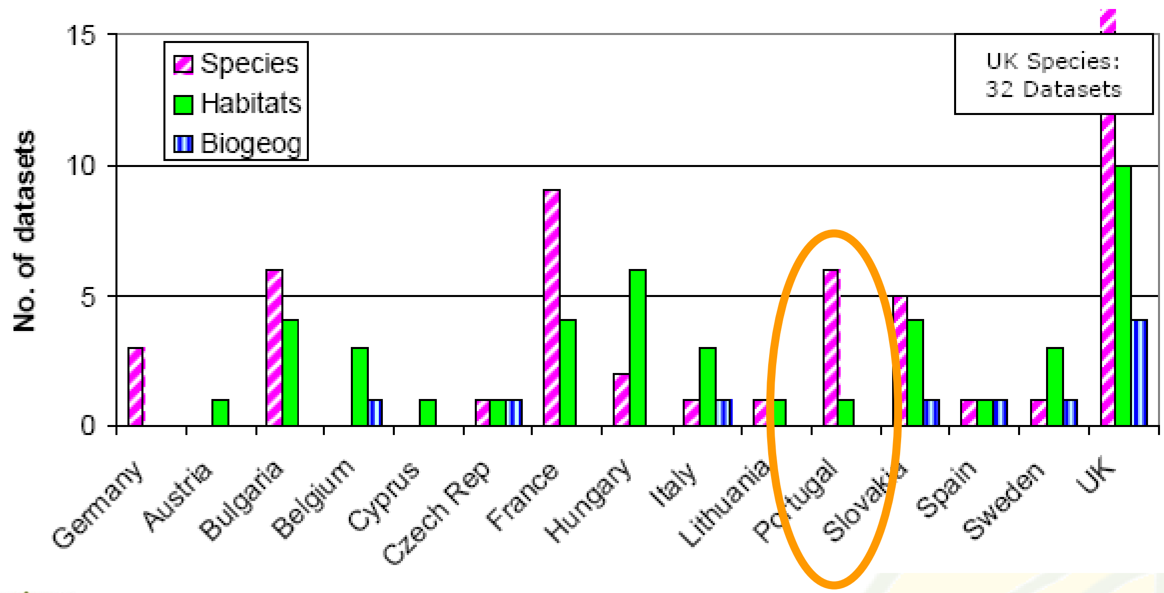
Tema **Habitats e biótopos** (Anexo III)

Habitat 11110 (Sandbanks)

	Dataset filename	Units Meas.	Surv Scale	Data Scale	Quality info
Austria	PUBLIK_natur_biotope.shp	Meters	1:5k	1:5k	1:5k implies 2.5m resolution
Bulgaria	StrandjaNPD_Woodland	Meters	1:10k	1:10k	1:10k implies 5m resolution. The forestry data are mapped to scale 1: quite precise.
	StrandjaNPD_HabitatSatClass	M	30m res = 1:60k	1:100k	The classification is made over pixels which correspond to 30 x 30m
	VitoshaNPD_Habitat91E0	M	GPS 1:1	1:10k	The data is mapped in scale 1:10 000. In the field the coordinates of t receiver and then imported in GIS platform. 1:10k implies 5m resolutior
	VitoshaNPD_Habitat62A0	M	GPS 1:1	30m = 1:60k (although	1:10k implies 5m resolution - but earlier stated as 30m
Belgium	BWK2 BioWaardKaart	Meters	1:3k	1:10k	1:10k implies 5m resolution
	Bosxy-z BosWaardKaart	M	1:10k	1:10k	1:10k implies 5m resolution
	Ectpwtl EcoTypWaterlopen	M		1:25k	1:25k implies 12.5m resolution
Cyprus	BioCyprus2006	Meters		1:5k	1:5k implies 2.5m resolution
Czech	Mapování_Biotopů_České_2006	Meters	1:10k	1:10k	1:10k implies 5m resolution
France	RNRGG_Habitats_Point1	Meters	1:5k	1:5k	Data are collected with a GPS. 1:5 k implies 2.5m res.
	RNRGG_Habitats_Poly	M	1:5k	1:5k	Data are collected with a GPS. 1:5 k implies 2.5m res.
	RNRGG_Mares_Point	M	1:5k	1:5k	Data are collected with a GPS. 1:5 k implies 2.5m res.
	Haute_Normandie_Vegetales	M	1:5k	1:10k	1:10k implies 5m resolution
Hungary	e-91m0t EVITA	Meters		1:500k	1:500k implies 250m resolution. The main priority areas of occurrence
	e-1530t EVITA	M		1:500k	1:500k implies 250m resolution. The main priority areas of occurrence
	F1a_raw data META (Artemisia salt steppes)	M		1:200k	1:200k implies 100m resolution. This is approximately in line with: The 35ha each. The geometric precisions of these hexagons are 25m.
	F1a_distribution META	M		1:1 million	1:1 mill implies 500m resolution. Raw data were spatially summarized
	L2a_raw data META (Turkey oak woodlands)	M		1:200k	1:200k implies 100m resolution. This is approximately in line with: The 35ha each. The geometric precisions of these hexagons are 25m.
	L2a_distribution META	M		1:1 million	1:1 mill implies 500m resolution. Raw data were spatially summarized
Italy	GT_VegtazionePNAB	Meters		5m res implies 1:10k	5m
	GT_HabNat2kPNAB	M		5m res implies 1:10k	5m
	PIE_HabNat2kSIC	M	1:5k	1:10k	3m Although 1:10k implies 5m
Lithuania	Lithuania Habitats	Meters	GPS & 1:10k	1:10k & 1:50k	Observation points are based on GPS measurements, polygons mapp Scale 1:10k to 1:50k, depending on sampling methodology (= 5m to 25
Portugal	Habitat1110 (Sandbanks)	Kilometres		10x10km = 1:20 mill	10x10km
Slovakia	SK10_Habitats_sr	Meters		1x1km	1x1km
	Habitat_6210	M	unknown	1:10k (although res	1x1km polygons
	Habitat_6230	M	unknown	1:10k (although res	1x1km polygons

Conjuntos de Dados Geográficos: Anexo III

Nº de CDG identificados pelos países parceiros no projecto



ICNB
Instituto da Conservação da Natureza e da Biodiversidade

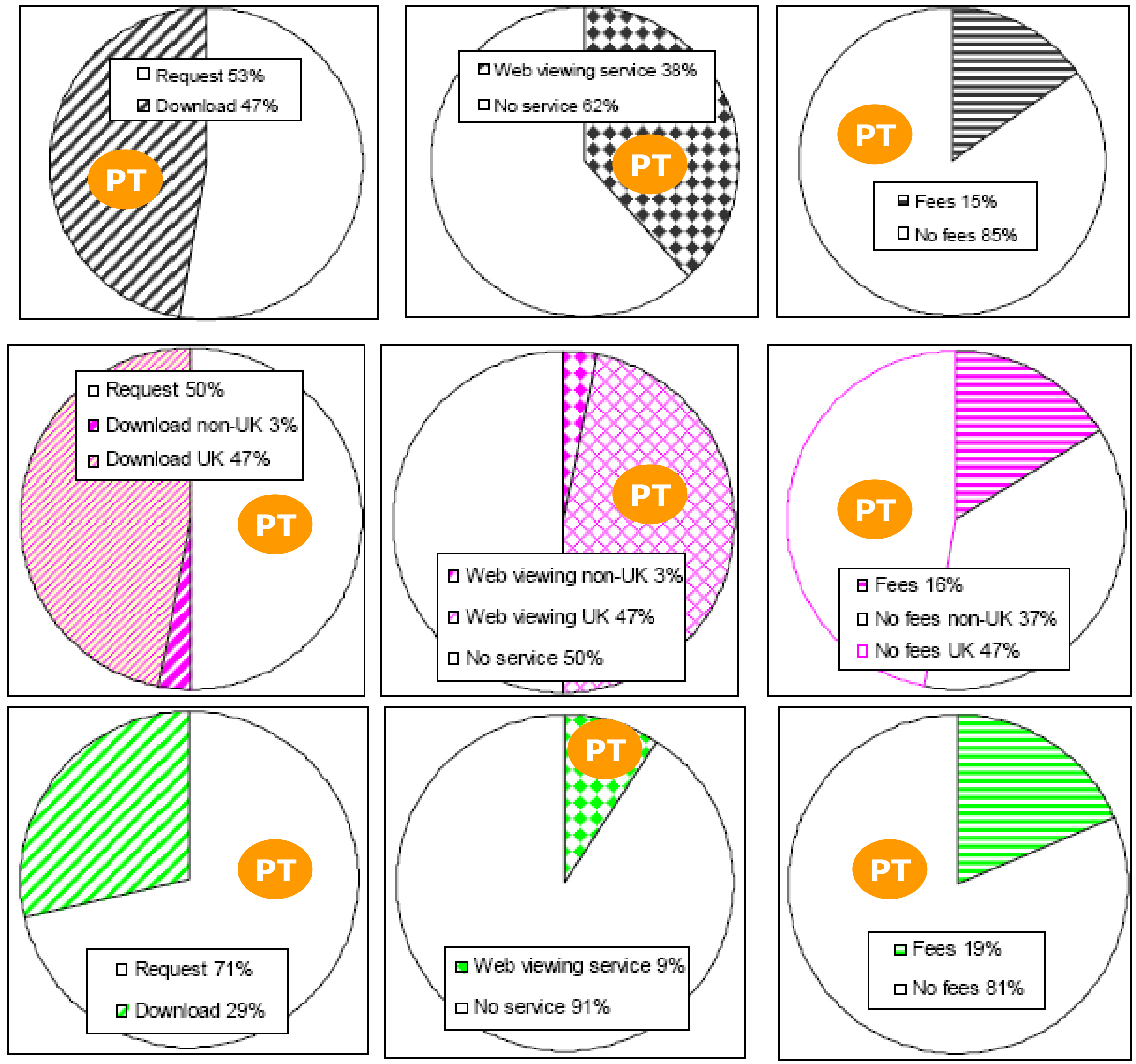
INSTITUTO GEOGRÁFICO PORTUGUÊS

Acessibilidade

Sítios Protegidos
(Anexo I)

Distribuição de espécies
(Anexo III)

Habitats
(Anexo III)



Considerações

O projecto NATURE-SDIplus contribui:

Levantamento da situação global dos Estados Membros relativamente aos temas relacionados com a temática "Conservação da Natureza"

Teste das especificações de dados no tema "Sítios Protegidos" (Anexo I)

Elaboração de propostas de modelos de dados para os temas do Anexo III:

- regiões biogeográficas
- distribuição de espécies
- habitats e biótopos

Salientamos a colaboração conjunta do ICNB para a implementação das disposições de execução para o temas "Sítios Protegidos" do Anexo I

OBRIGADA
pela atenção !

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