

# ***INSPIRE implementation and SNIG development in Portugal***

## ***2015 diagnostic study***

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**DGT**

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SNIG is the national Spatial Data Infrastructure (SDI)





User friendly access to  
open Geographic Information  
through WMS and WFS

# 2015 diagnosis



INSPIRE  
monitoring  
indicators



SWOT analysis by  
public entities  
with  
responsibilities on  
INSPIRE  
implementation



Online public  
consultation



# INSPIRE monitoring indicators

Number of spatial datasets

% of spatial datasets with metadata

% of spatial datasets with view services \*

% of spatial datasets with download services

% of spatial datasets with INSPIRE model

2009		2015	
#	%	#	%
435		1771	
295	68	1770	100
167*	38	196*	11
82	19	110	6
0	0	60	3

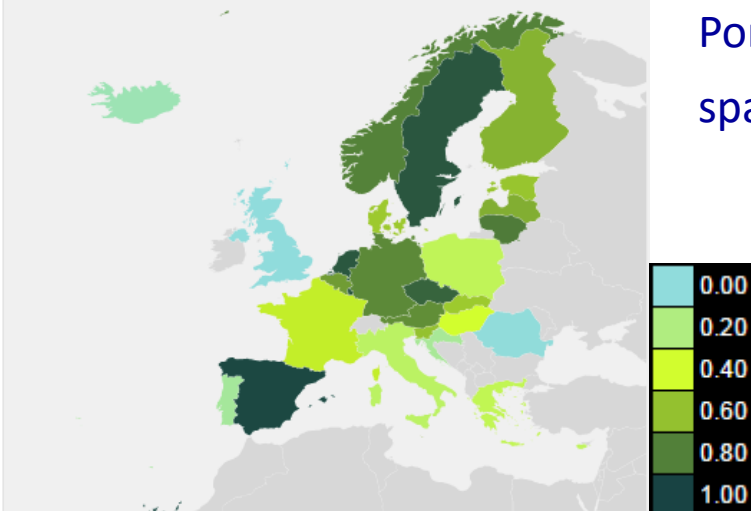
Source: INSPIRE Monitoring 2015

\* The definition of view services changed



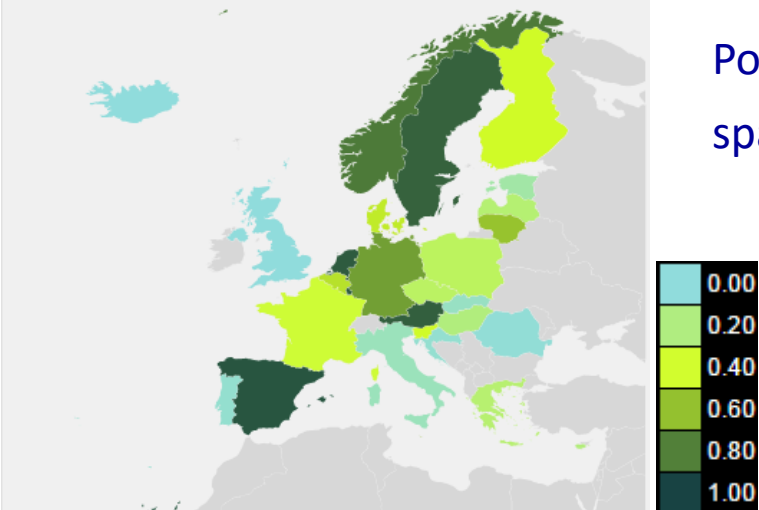
## INSPIRE monitoring indicators

ACCESSIBILITY OF SPATIAL DATA SETS THROUGH VIEW SERVICES - NSI21 - 2014



Portugal is the 4<sup>th</sup> Member State with the lowest % of spatial datasets with vies services

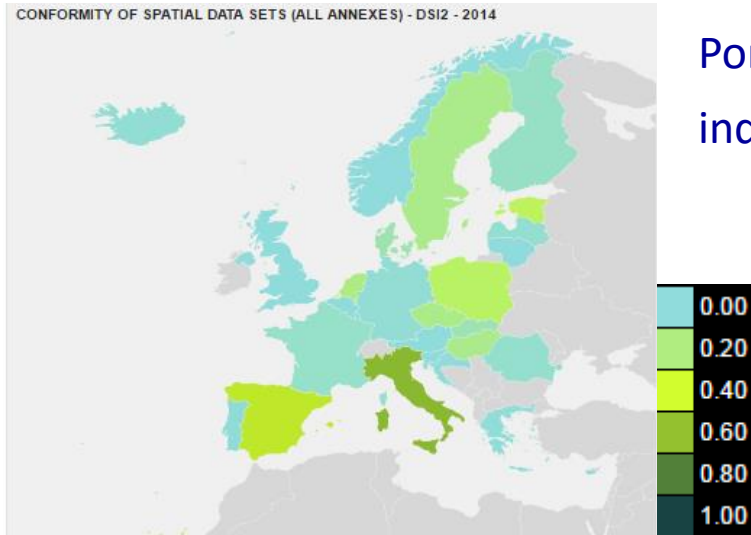
ACCESSIBILITY OF SPATIAL DATA SETS THROUGH DOWNLOAD SERVICES - NSI22 - 2014



Portugal is the 5<sup>th</sup> Member State with the lowest % of spatial datasets with download services



## INSPIRE monitoring indicators



Portugal is one of the Member State with lowest indicators for conformity of spatial data sets



## Online public consultation

An online public consultation was open for **17** days (march 2015)

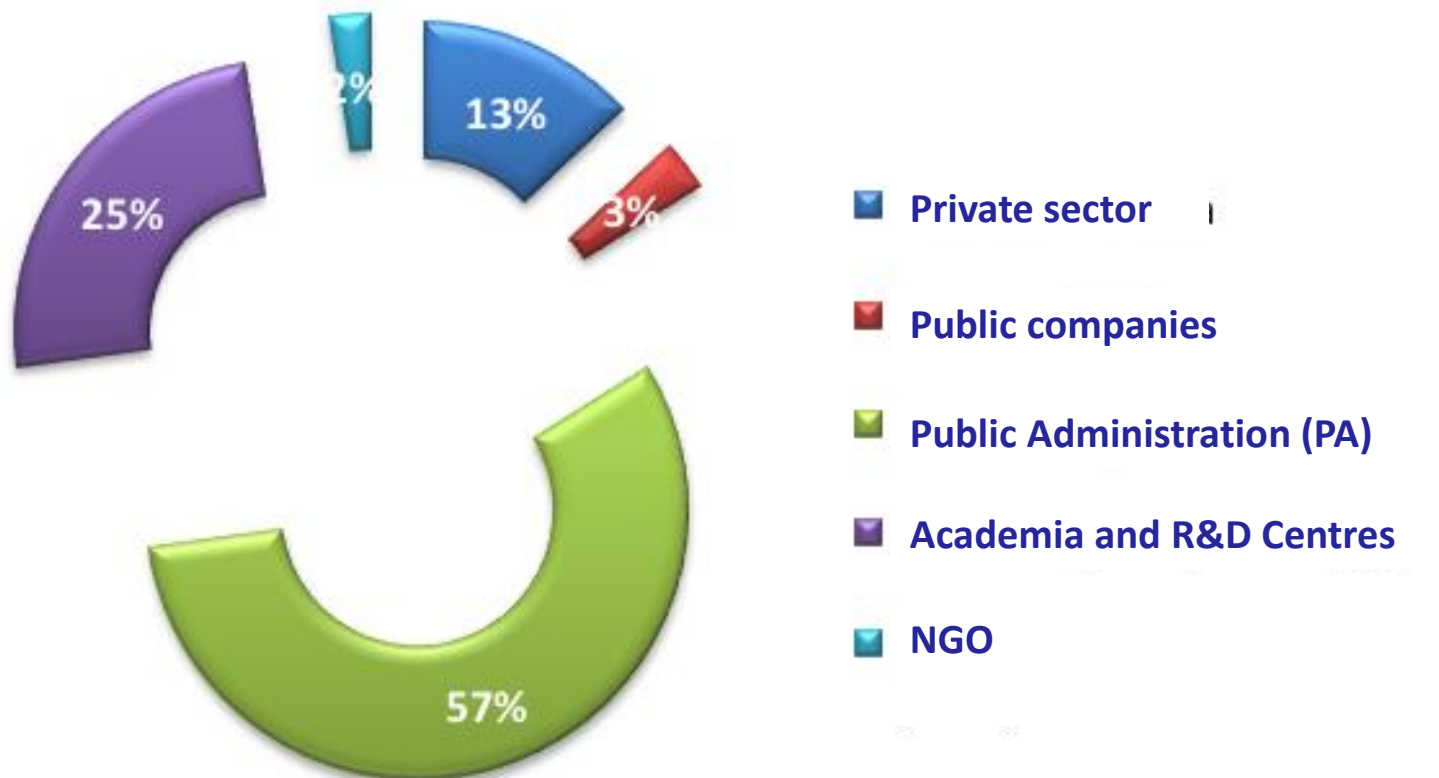
Consultation on SNIG (national SDI) and INSPIRE: discovery, access and exploitation of geographic information in Portugal

**505** participants





## Online public consultation



### Public Administration (PA)

Central PA 22%

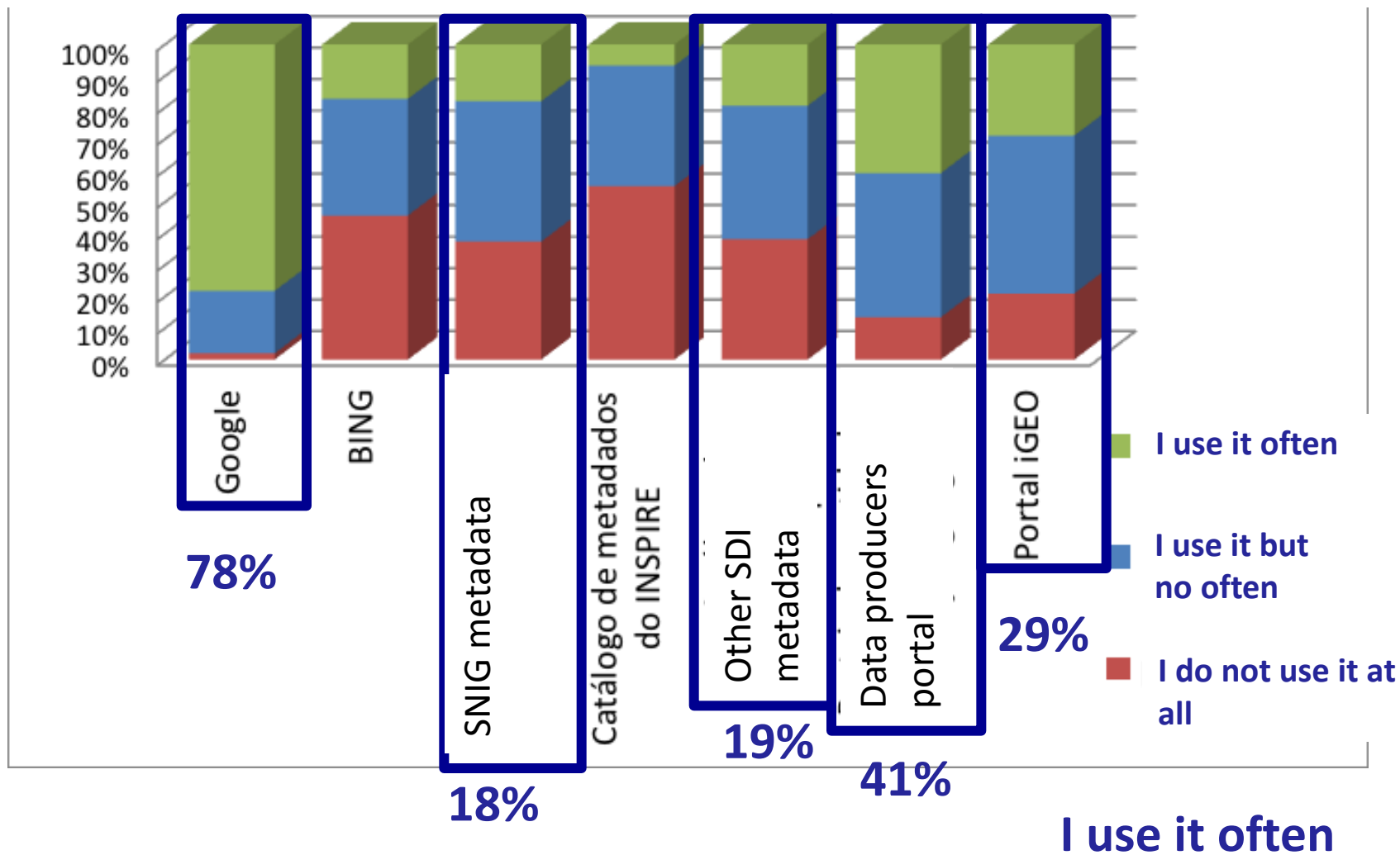
Local PA 28%

Regional PA 6%



## Online public consultation

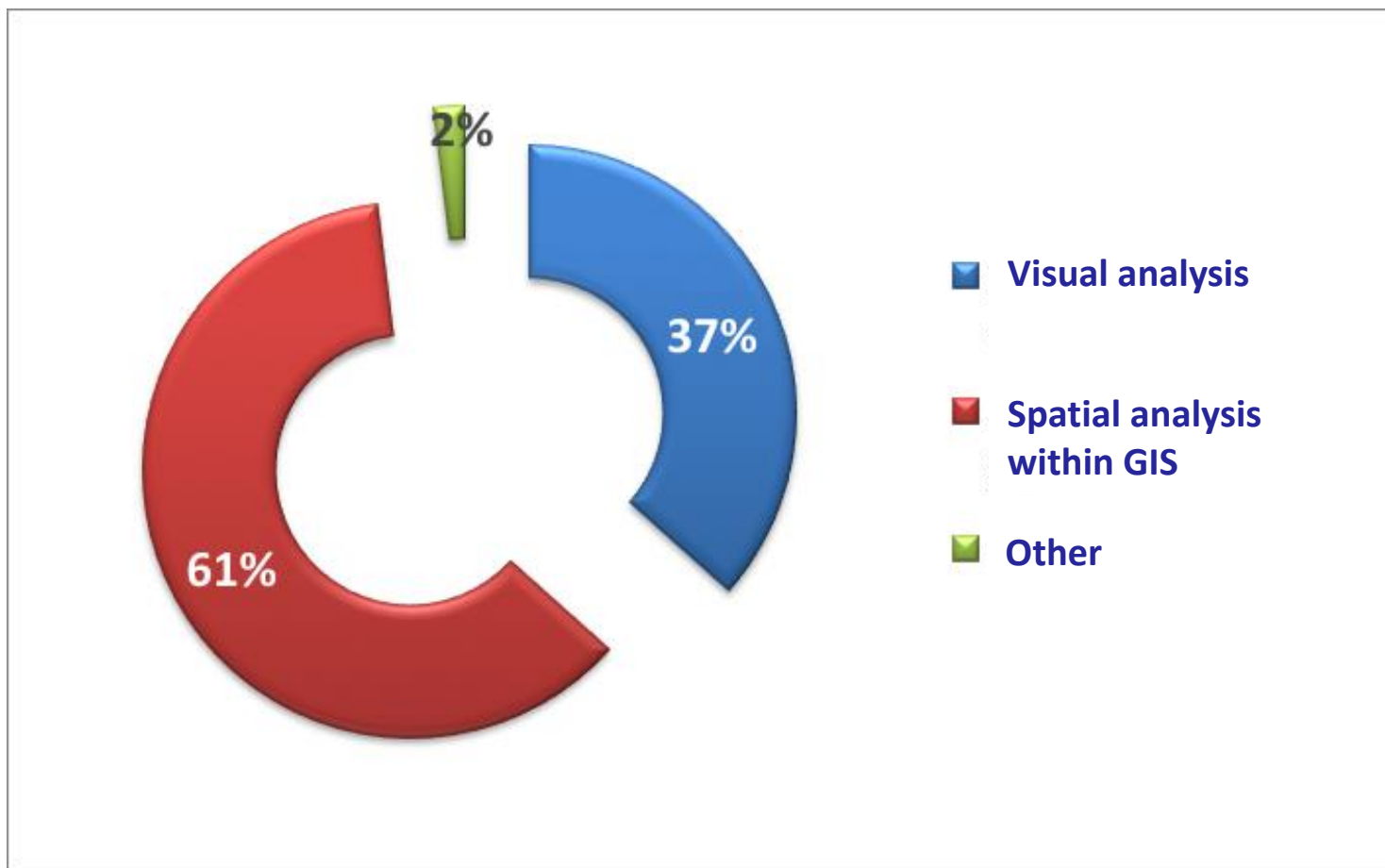
### Geographic information discovery





## Online public consultation

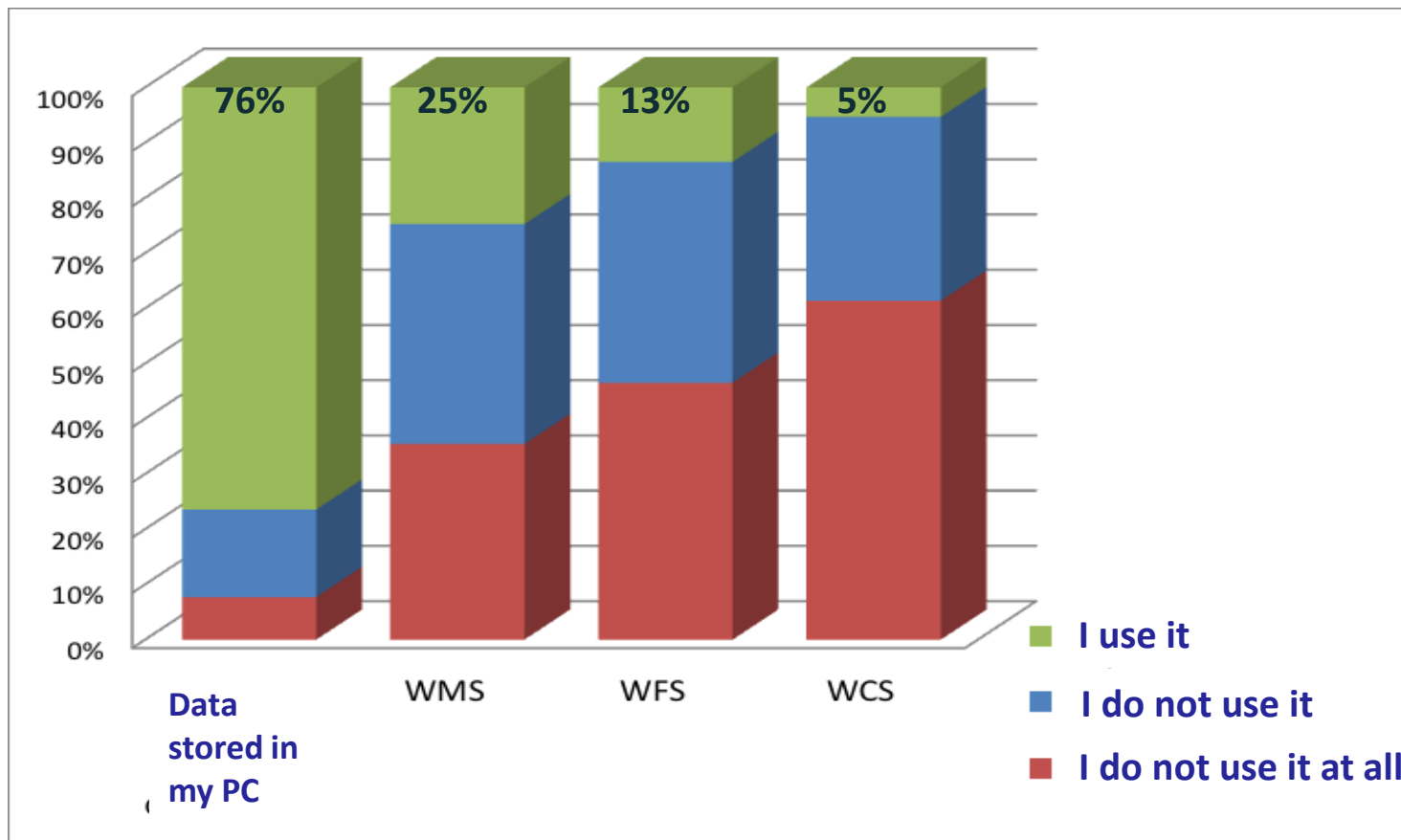
### Exploitation of geographic information





## Online public consultation

### Access to Geographic Information





## Online public consultation

Do you know SNIG and INSPIRE?





Online public consultation

snig



## Opinions on SNIG

GI discovering in SNIG is easy and intuitive

19 % 63 % 18 %

SNIG has the metadata of geographic information I need

18 % 67 % 15 %

SNIG metadata characterise well the GI

28 % 61 % 11 %

SNIG has the WMS of GI I need

12 % 65 % 23 %

SNIG has the WFS of GI I need

7 % 59 % 35 %

*GI – Geographic Information*

I totally agree

I partially agree

I disagree



## Online public consultation

# snig

**17 %**

**It is very good**

**63 %**

**It could be  
better**

**20 %**

**It is not  
good**





### Obstacles on geographic information access

Weak cooperation and sharing of GI within Public Administration	89 %
No legal instruments that promote open data	78 %
Lack of qualified resources within Public Administration	61 %
Lack of training	72 %
GI is not updated	69 %
No GI interoperability	71 %
No opinion	10%



Online public consultation



Open data portal

Launched in  
2014



User friendly access to  
open Geographic Information  
through WMS and WFS



## Online public consultation





### Opinions on INSPIRE Directive

The principles of GI sharing through network services are still valid

63 % 34% 3%

INSPIRE improves access to GI

44% 49 % 7 %

INSPIRE contributes to an open data policy within Public Administration

39% 55% 6%

INSPIRE implementation benefits are larger than costs

36% 54% 10%

I totally agree

I partially agree

I disagree



## Online public consultation



**I totally agree**

**42 %**

**I partially agree**

**50 %**

**I disagree**

**8 %**

**snig**

**17 %**

**It is very good**

**63 %**

**It could be  
better**

**20 %**

**It is not  
good**

# 2015 diagnosis



A vision  
for SNIG  
for 2020



## SWOT analysis on INSPIRE implementation by public entities with responsibilities on directive implementation

All the 29 entities from INSPIRE Core Focal Point Network were invited to participate

A total of 18 entities participated in the SWOT analysis

Each entity developed its own SWOT analysis

A drafting team analysed the contributions and produced an integrated SWOT analysis



## SWOT analysis on INSPIRE implementation by public entities with responsibilities on directive implementation

### Opportunities

Increasing need for geographical information (public entities, private sector, citizen, NGOs)

Increasing need for interoperability

Technological developments (open software)





# SWOT analysis on INSPIRE implementation by public entities with responsibilities on directive implementation

## Political, organisational and technical factors

Lack of human resources

Lack of specific technical knowledge

Lack of financial resources (for software and hardware acquisition)

In public

Administration

Within each  
entity

Financial and economic crisis

Low level of awareness on INSPIRE

Fragile political support

Weak articulation among entities

Lack of policies to promote access and sharing of data

## Technical aspects

Complexity of the directive and its implementations

Difficulties on creation and conversion of spatial data into INSPIRE model