

WOAH workshop on Response Plan Development for Disaster Management and Risk Reduction

08th – 10th July, 2025,
Bucharest - Romania

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Country: Spain



World Organisation
for Animal Health



SPAIN CONTINGENCY/RESPONSE PLAN

National (since 1985) and **regional** contingency and emergency response plan



The new legislation on Civil Protection was adopted in 2023 (Real Decreto 524/2023, de 20 de junio, por el que se aprueba la Norma Básica de Protección Civil)



Measures for the protection of animals as basic elements of the planning

Ministry of Home Affairs

BOLETÍN OFICIAL DEL ESTADO

Miércoles 21 de junio de 2023

Sec. I.

Artículo 7. *Estructura y contenido.*

1. Los planes de protección civil constituirán un documento único, con el contenido y estructura que se establezca en la correspondiente Directriz Básica de Planificación, y que responderá al siguiente contenido mínimo:

a) Fundamentos generales.

1.º Objeto y ámbito.

2.º Marco legal.

b) Elementos básicos de planificación.

1.º Análisis de riesgos y su zonificación, incluyendo cartografía de peligrosidad, vulnerabilidad y riesgo.

2.º Sistemas de alerta e información.

3.º Sistemas y procedimientos de información y notificación a otros órganos del Sistema Nacional de Protección Civil.

4.º Sistemas de alerta temprana e información a la población.

5.º Medidas de protección a la población, garantizando la asistencia a todas las personas.

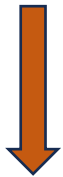
6.º Medidas de autoprotección.

7.º Medidas de protección a los bienes, a los animales, al medio ambiente y al patrimonio histórico-artístico y cultural.

REGIONAL PLAN

Each Autonomous Community (regional government) develops its own operational protocols adapted to local risks.

In response to various natural disasters, **some** of them have **developed protocols** incorporating **specific measures** for the **protection of animals** during such events.



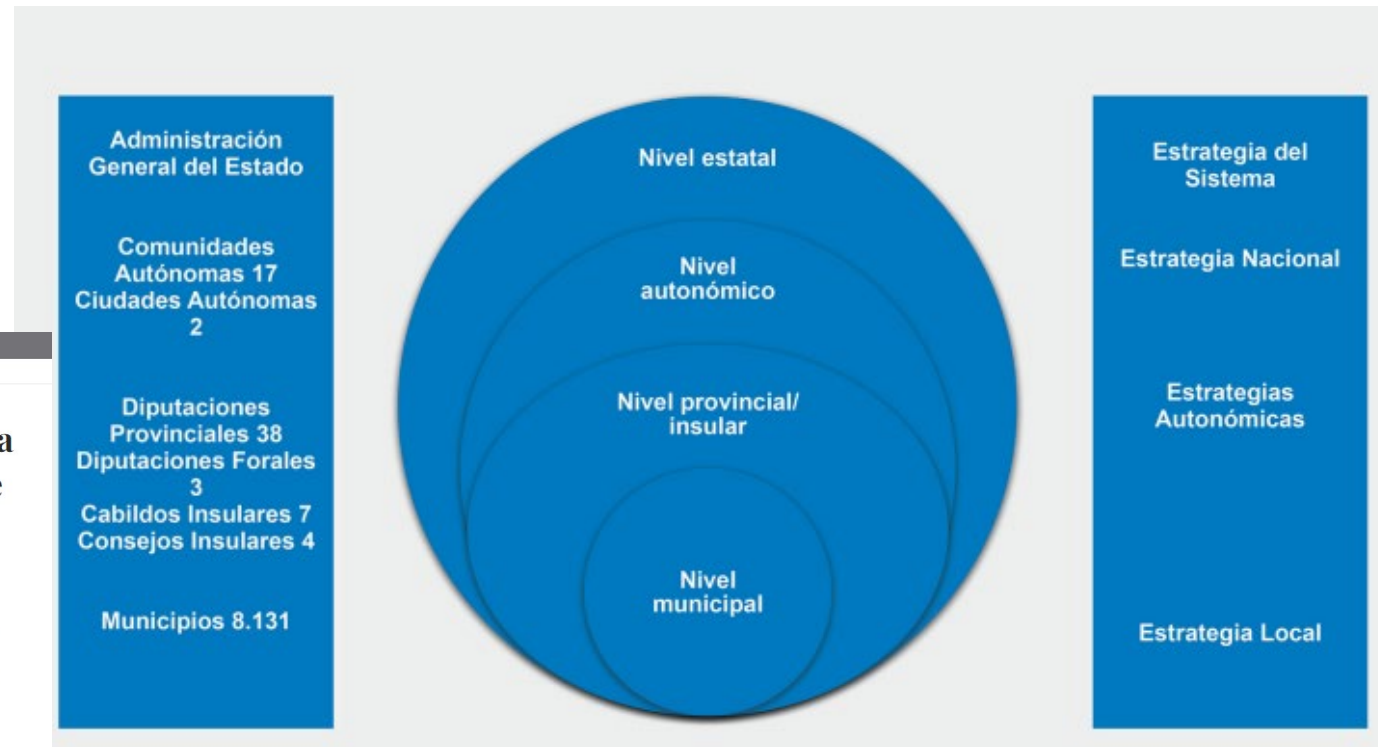
Canary Islands

Animal's Health

Canarias incluye un protocolo para animales en su Plan Territorial de Emergencias

El Gobierno de Canarias ha modificado el Plan Territorial de Emergencias y Protección Civil para incluir pausas para la evacuación de animales, incluyendo a mascotas, ganadería y fauna silvestre.

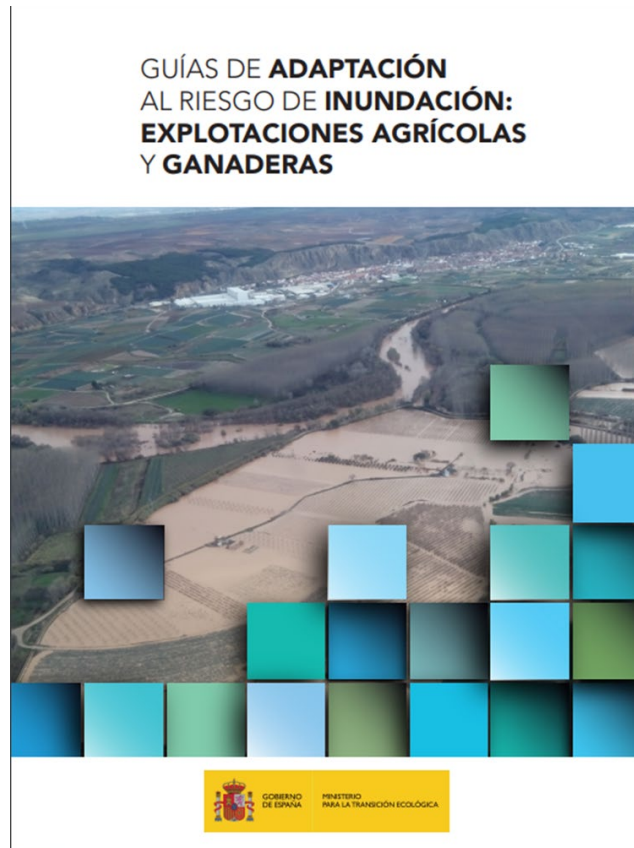
Los bomberos rescatando cabras tras la erupción del volcán de La Palma.



Or have **modified** its regulation to introduce specific mention to animal rescue.

OTHERS TOOLS

National guidelines and protocols have been developed to provide guidance on how to adapt to specific risks, such as flooding



Self-assessment questionnaires have been designed to measure the resilience of agricultural and livestock holdings in the face of flooding.

SELF-ASSESSMENT QUESTIONNAIRE ON THE DEGREE OF FLOOD RESILIENCE OF AN AGRICULTURAL AND LIVESTOCK HOLDING



<https://www.miteco.gob.es/seguridad/seguridad-de-los-riesgos-de-inundacion/planes-gestion-riesgos-inundacion/default.aspx>

National Floodless Zone Mapping System: sig.mapama.es/snczi

Identification and diagnosis of damage

The first step to take to decide what type of measures should be taken to adapt the farms to the risk of flooding is to carry out a check that allows to know the current state of the holding and to identify the level of resilience of the same to flooding. To assist the owner of the farm in this task, this checklist has been designed, which attempts to assess the degree of knowledge of this risk and the lines of improvement.

List of self-checking for agricultural and livestock holdings

The questionnaire should be completed jointly between the manager or owner of the farm and an expert flood management technician. In this way, the results obtained when scoring the questionnaire will reflect in a more truthful way the situation of the farm in relation to the risk of flooding, combining the knowledge of the exploitation with that of the hydrological-hydraulic processes that give rise to the phenomenon of floods.

INSTRUCTIONS FOR SCORING THE QUESTIONNAIRE:

Block 1	
Questions (a) to (i)	For each of the issues: 1 point if you can answer yes/0 points otherwise
Questions (j) and (k)	0.5 points if you know the answer/0 points otherwise
Block 2	
Questions (a) and (b)	2 points if you know the answer/0 points otherwise
Question (e)	3 points if you can answer yes/0 points otherwise
Questions (c), (d) and (f)	For each of the issues: If YES responds to all options: 1 point/If you answer NO to any option: 0.5 points/If you answer NO to most options: 0 points
Block 3	
Once the table is completed by filling in x (existing measures) and - (measures that could be implemented,) the percentage of the former to the total measures will be estimated and scored according to the following scheme:	
% of measures implemented in relation to possible measures	Points
0-25 %	0
26-50 %	3
51-75 %	5
76-90 %	7
> 90 %	10
Block 4	
For each column, if applicable: 2.5 points (if you can answer SI/0 points otherwise). The final score will be the average of both subtotals. In case it is not appropriate to fill in the other insurance column (as it is not necessary), the final score will correspond only to the first column	
Block 5	
Question (a)	1 point for each option with an affirmative answer
Other questions	2 point if you can answer yes/0 points otherwise

BETTER COORDINATION

Agreements have been reached between veterinary associations and civil protection authorities, such as in the case of the Canary Islands

“The Agreement in Canary Island between the Emergencies Direction and the Veterinarian College. Working together in the case of an emergency catastrophe to rescue animals.”

public/private
partnerships



FUTURE TOOLS ????

Spain maintains a database with the geolocation of all agricultural holdings

Buscador de explotaciones

Origen: Central x

C. A.: Murcia x

Provincia: MUR... x

Municipio: ** Lorca x

Autoconsumo: ej. Autoco... x

NIF del titular: ** ej. 54138878Y

Nombre del titular: ej. Pedro Ramirez

Familia: ej. Anfibios

Especie: Seleccione Familia

Código REGA: ** ej. ES04003000001

Tipo:

Estado: ej. Alta

Fecha de cambio de estado: =

Clasificación zootécnica: Seleccione clasificación zoot...

5179 resultados encontrados (Origen: Central; C. A.: Murcia; Provincia: MURCIA; Municipio: Lorca). Se muestran los 1000 primeros.



Nombre: [Redacted]

Dirección: [Redacted]

Ubicación principal: Longitud: -1,6163675 – Latitud: 37,6416441

Restricciones de entrada: No

Intercambio Intracomunitario: No

Autoconsumo: No

Clasificación zootécnica: 1

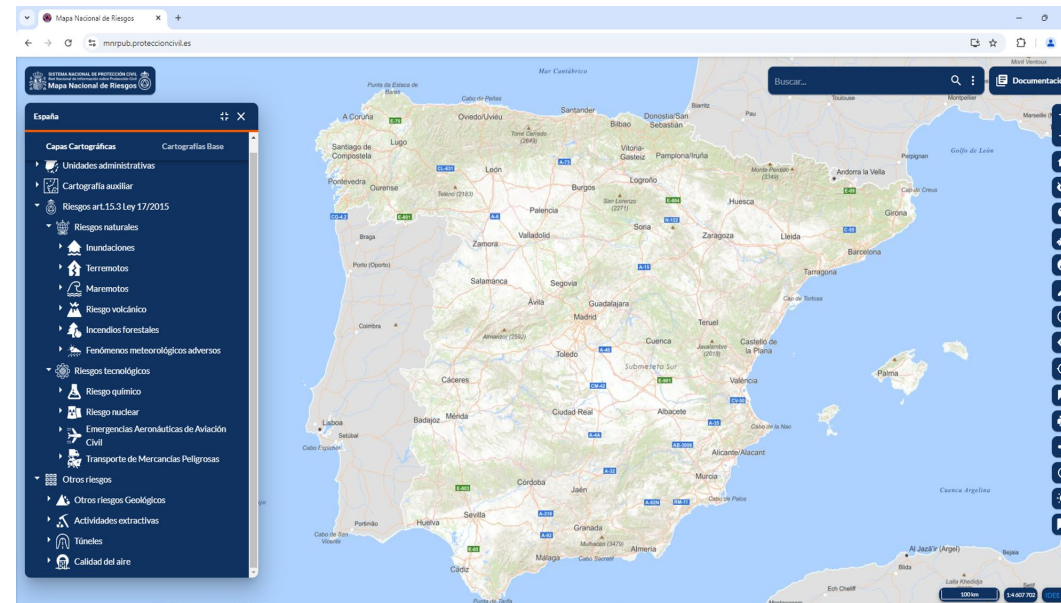
Sostenibilidad: (sin datos)

Calificaciones sanitarias: [Redacted]

Histórico: Ver Histórico

Integradora: A30127849

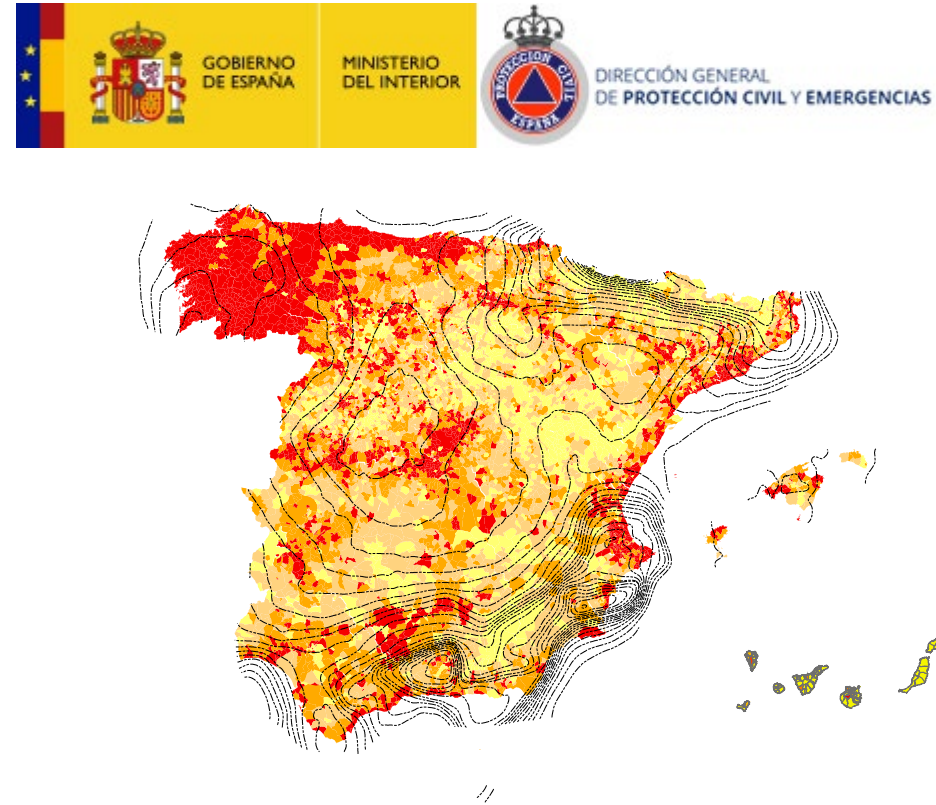
Longitud: -1,6163675 – Latitud: 37,6416441



National Risk Map

NATIONAL CIVIL PROTECTION INFORMATION NETWORK

NATIONAL MAP OF CIVIL PROTECTION RISKS





NATIONAL CIVIL PROTECTION INFORMATION NETWORK

Start of work on the
creation of the

NATIONAL MAP OF CIVIL
PROTECTION RISKS

1

Creation of the RENAIN

2

Content of the RENAIN

3

National Map of Civil Protection Risks (MNR)

4

Intended users of the MNR

5

Maintenance

1

Creation of the National Civil Protection Information Network (RENAIN)

Law 17/2015, of 9 July, on the National Civil Protection System (Article 9)

- The **National Civil Protection Information Network (RENAIN)** is created in order to contribute to the anticipation of risks and to facilitate an effective response to any situation that requires it, without prejudice to the competences of the Autonomous Communities. This Network will allow the National Civil Protection System to:
 - a) The collection, storage and agile access to information on known emergency risks, as well as on the protection measures and resources available for this purpose.
 - b) Ensure the exchange of information.

2

Content of the National Civil Protection Information Network (RENAIN)

Law 17/2015, of 9 July, on the National Civil Protection System (Article 9)

The **RENAIN** will contain:

- a) The **National Civil Protection Risk Map**, as an instrument that allows the identification of geographical areas susceptible to damage due to emergencies or catastrophes.
- b) **Official catalogues of activities** that may give rise to a civil protection emergency.
- c) The **computerised register of civil protection plans**.
- d) **Catalogues of mobilizable resources**.
- e) **The National Emergency and Disaster Data Registry**.
- f) **Any other information necessary** to predict emergency risks.

3

National Map of Civil Protection Risks (MNR)

National Map of Civil Protection Risks:

“Instrument that will make it possible to identify geographical areas susceptible to damage due to emergencies or catastrophes” (Article 9, Law 17/2015)

- The **MNR** is materialized through the creation of a technological platform integrated into the RENAIN that includes the following tools:
 - > **Catalogue of civil protection cartographies**
 - > **MNR Cartographic Viewer**
 - > **Download center associated with the catalog**

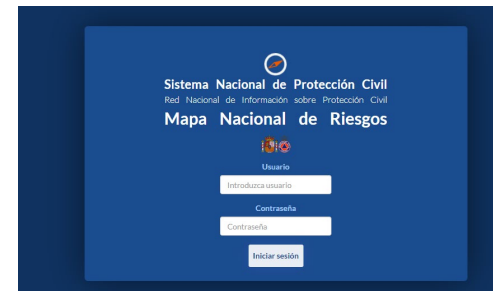
4

Intended users of the MNR

The MNR has two versions for two different types of users:

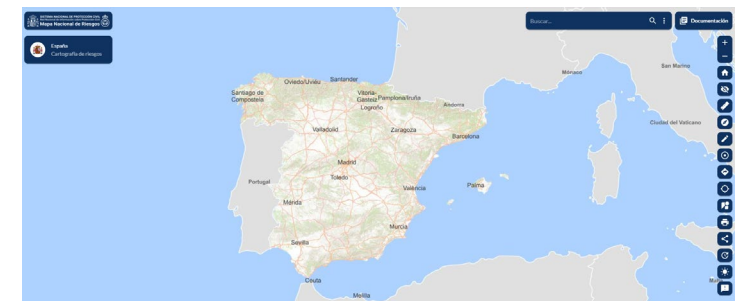
■ Members of the National Civil Protection System:

- Access by username/password
- Access to information considered sensitive or critical.



■ General population:

- Access to the contents of the MNR to show to the general public.
- No access to information that is considered sensitive or critical.





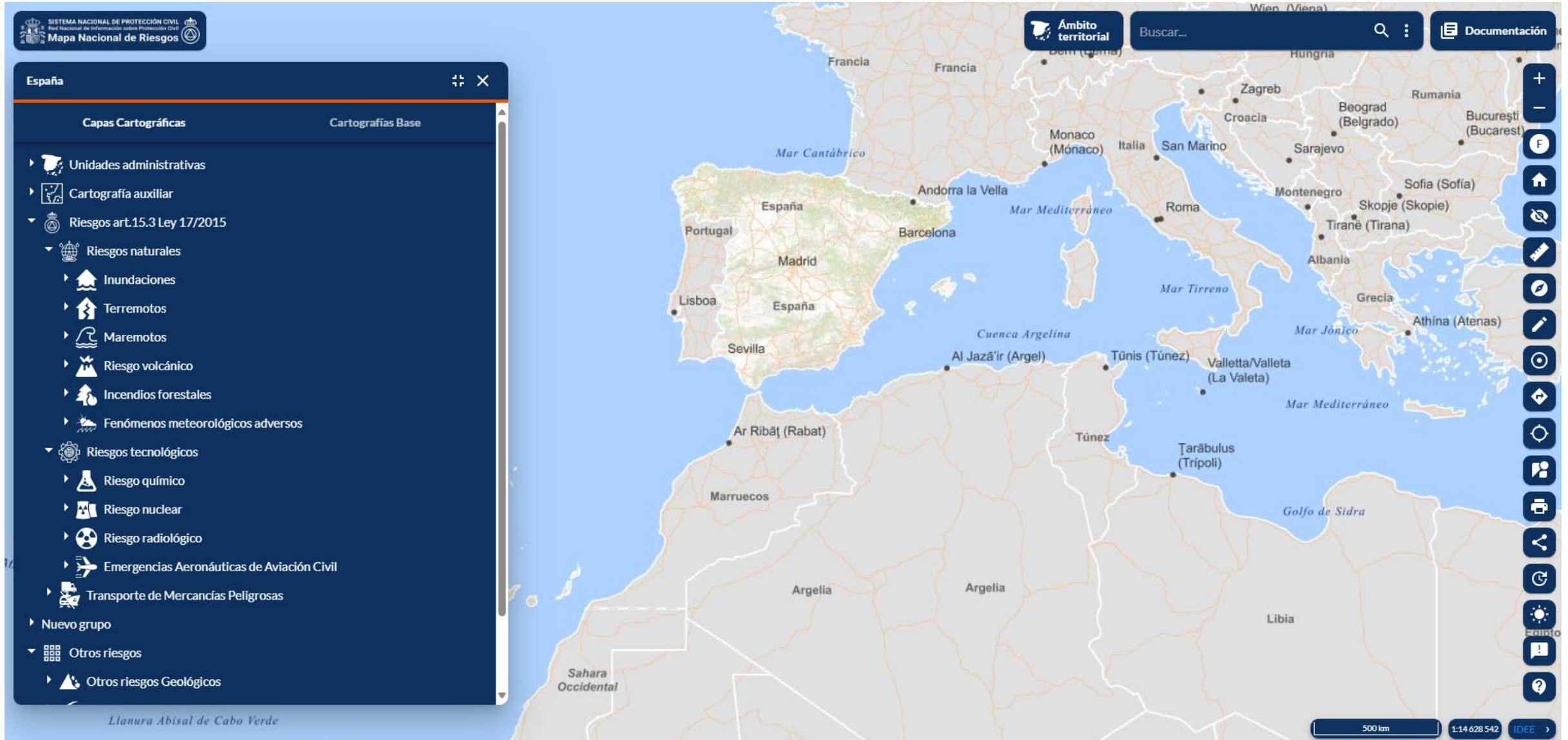
5

Maintenance

- Updating of existing cartography. New data or methodologies.
- Include new cartography of Public Administrations, (mainly from the Autonomous Communities) and other sources.
- User Management
- Management assignment to the developer company: Maintenance of server links, possible computer problems, viewer, proposals users of the National Civil Protection System.

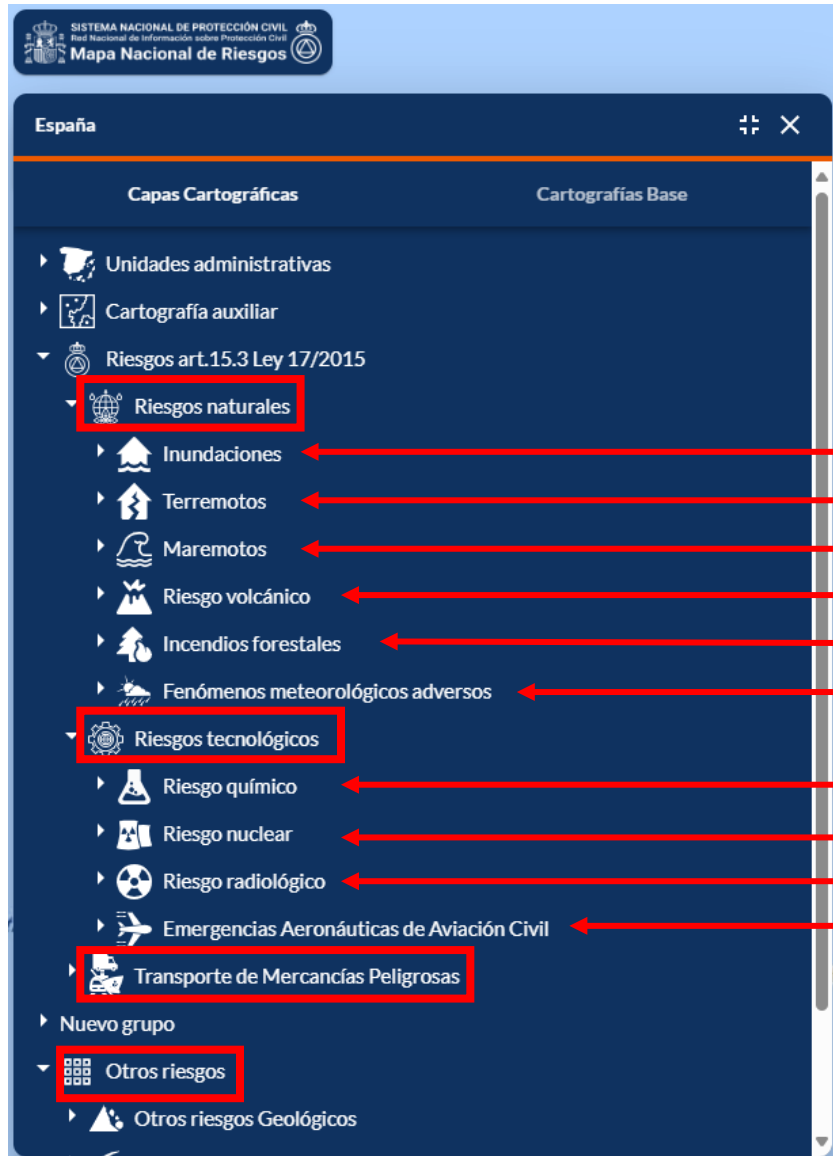
Explain the MNR





Mapa nacional de Riesgos


(National Risk Map)







Floods
Earthquakes
Tsunamis
Volcanic risk
Wildfires
Adverse weather phenomena
Chemical risk
Nuclear risk
Radiological risk
Civil Aviation Aeronautical Emergencies

Mapa nacional de Riesgos

(National Risk Map)

 Otros riesgos

- ▶  Otros riesgos Geológicos
- ▶  Actividades extractivas
- ▶  Túneles
- ▶  Calidad del aire

Other geological risks

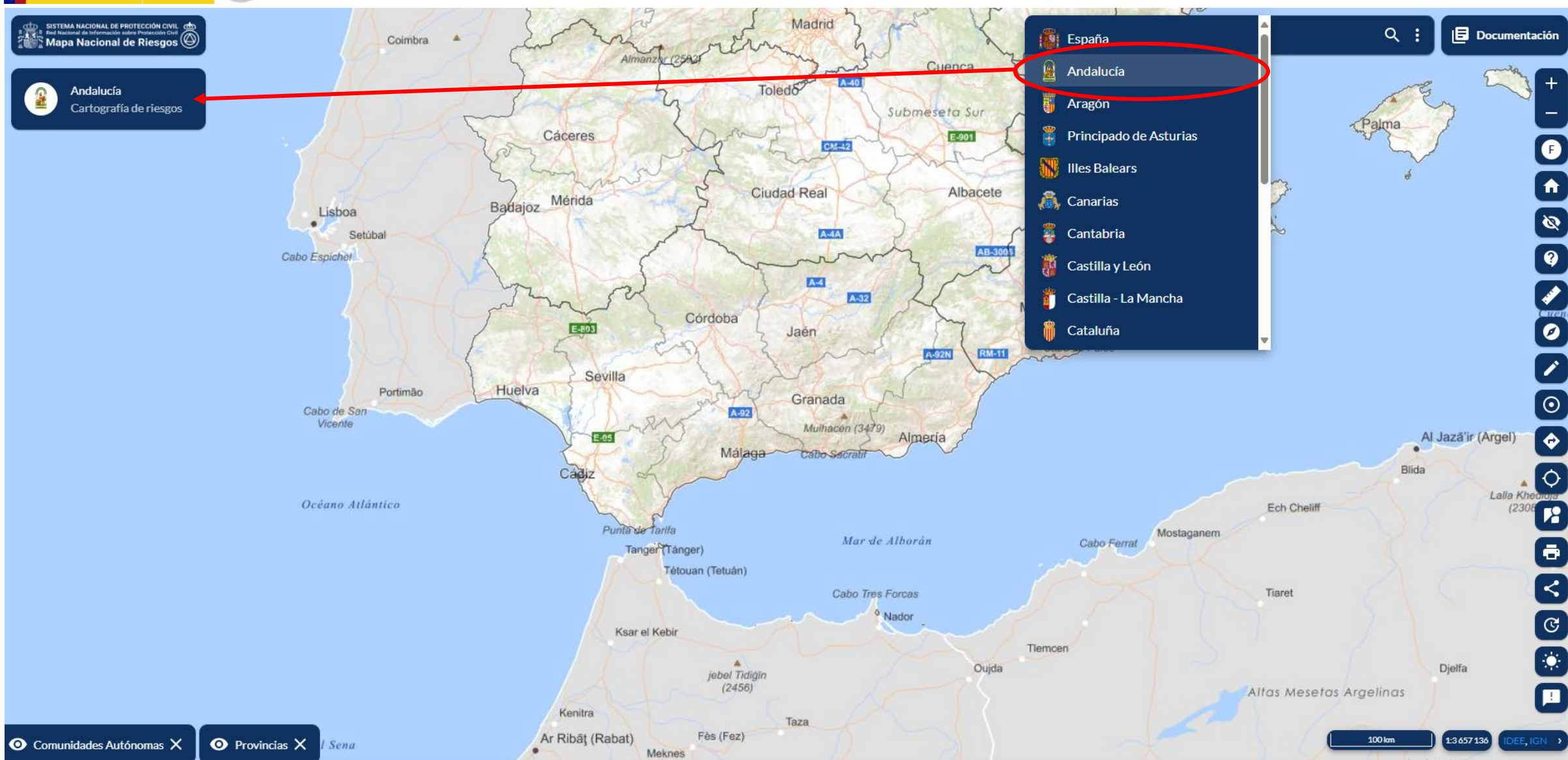
Extractive activities

Tunnels

Air quality

Mapa nacional de Riesgos

(National Risk Map)





Mapa nacional de Riesgos

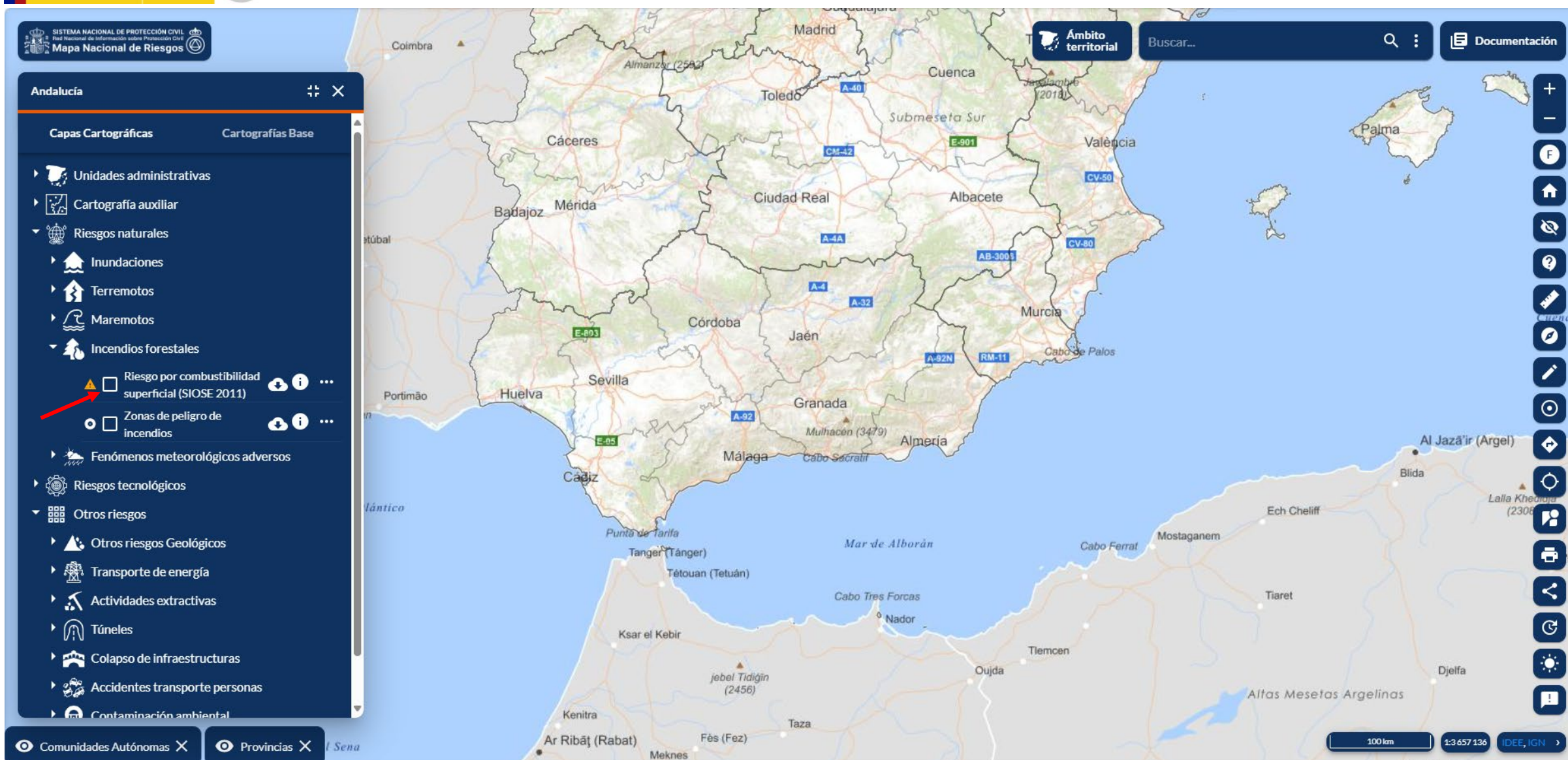
(National Risk Map)



Mapa nacional de Riesgos

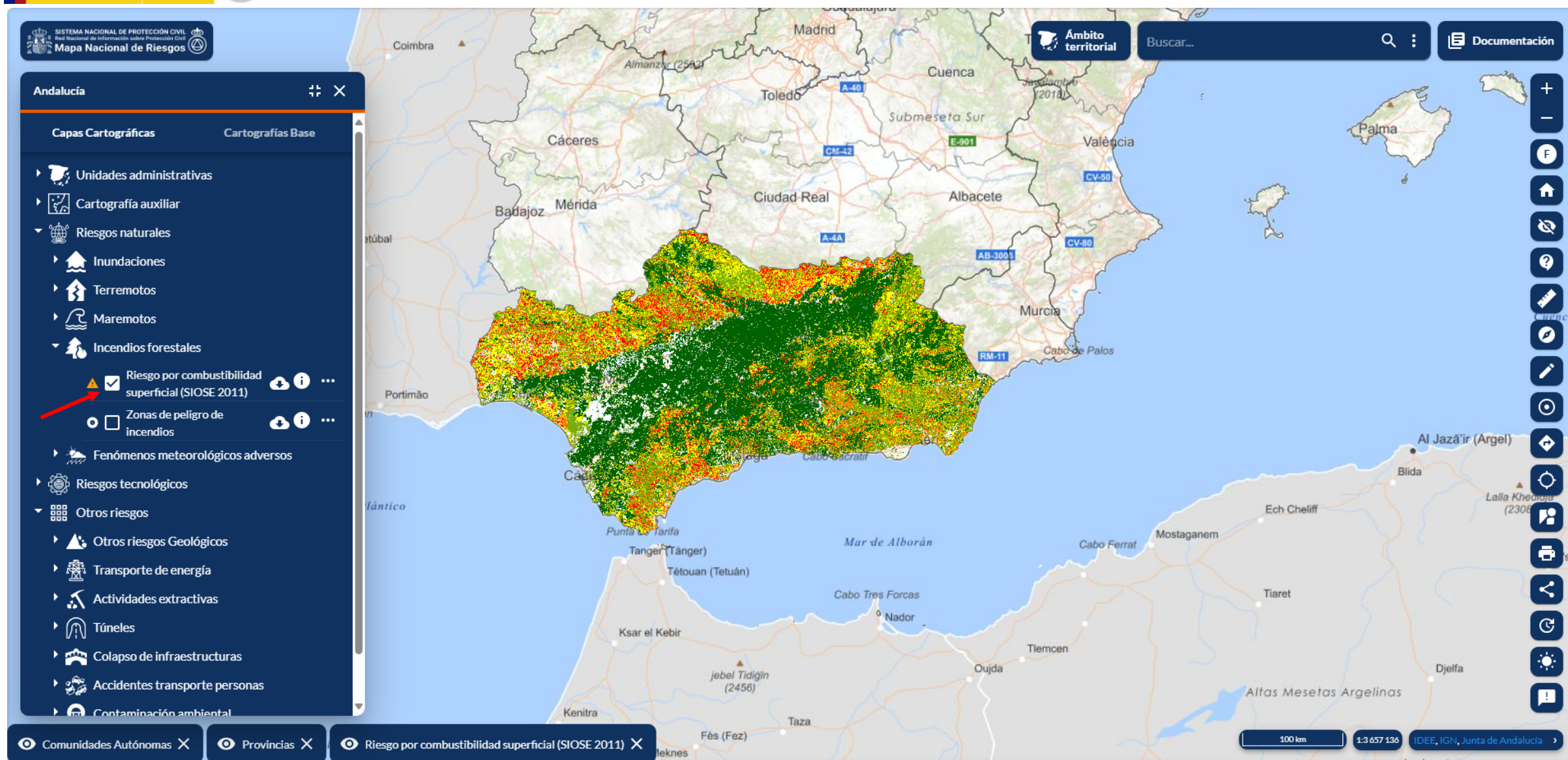
(National Risk Map)





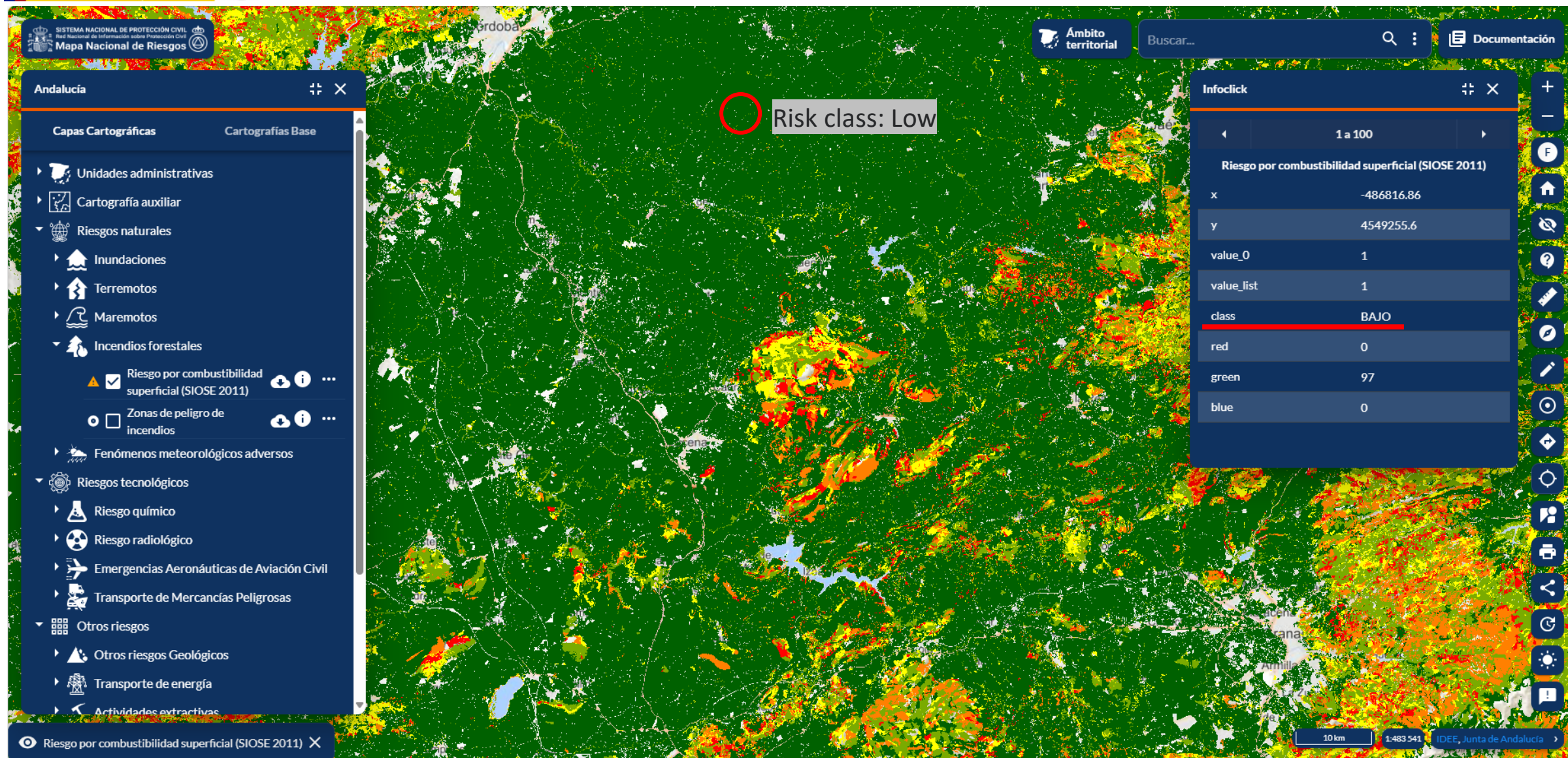
Mapa nacional de Riesgos

(National Risk Map)



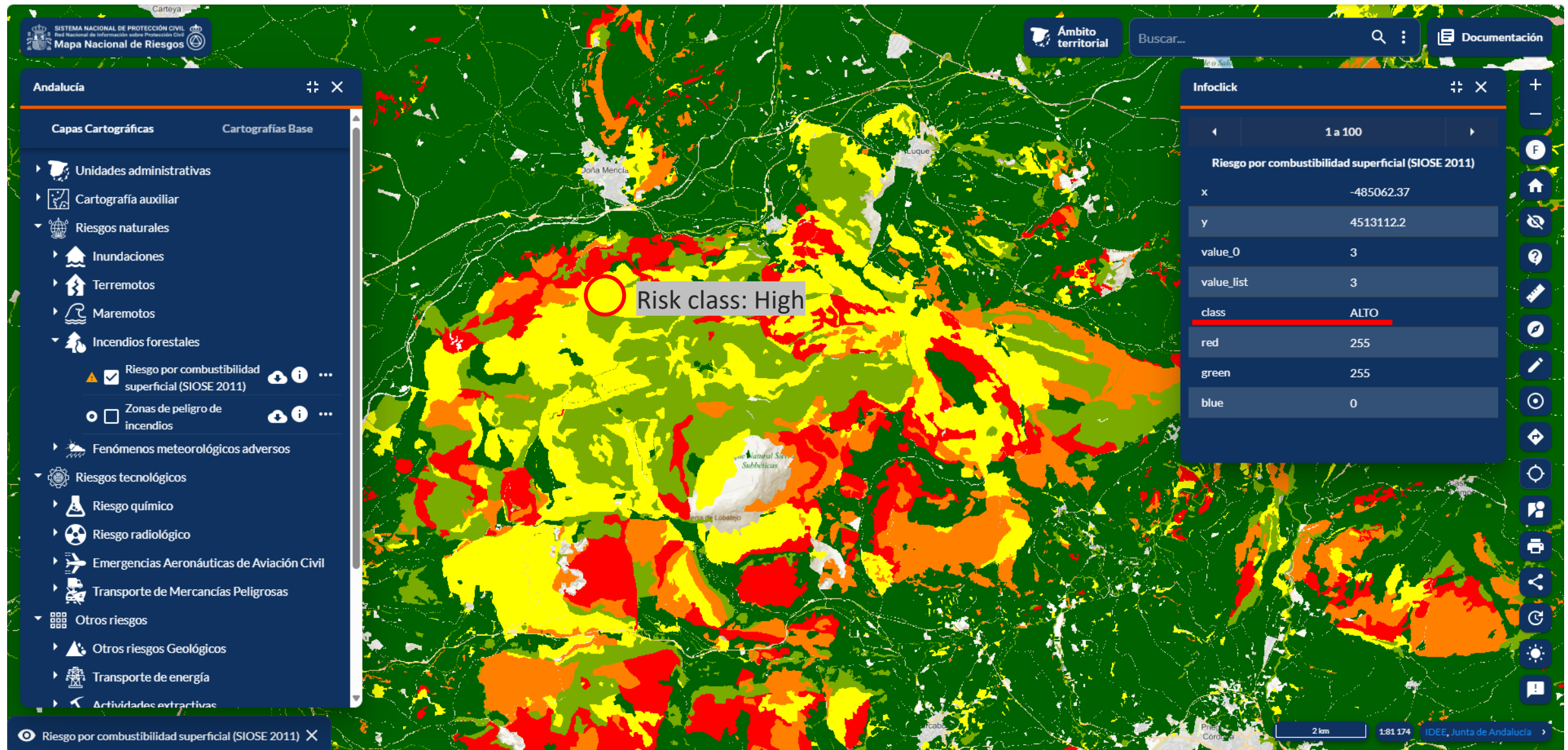
Mapa nacional de Riesgos

(National Risk Map)



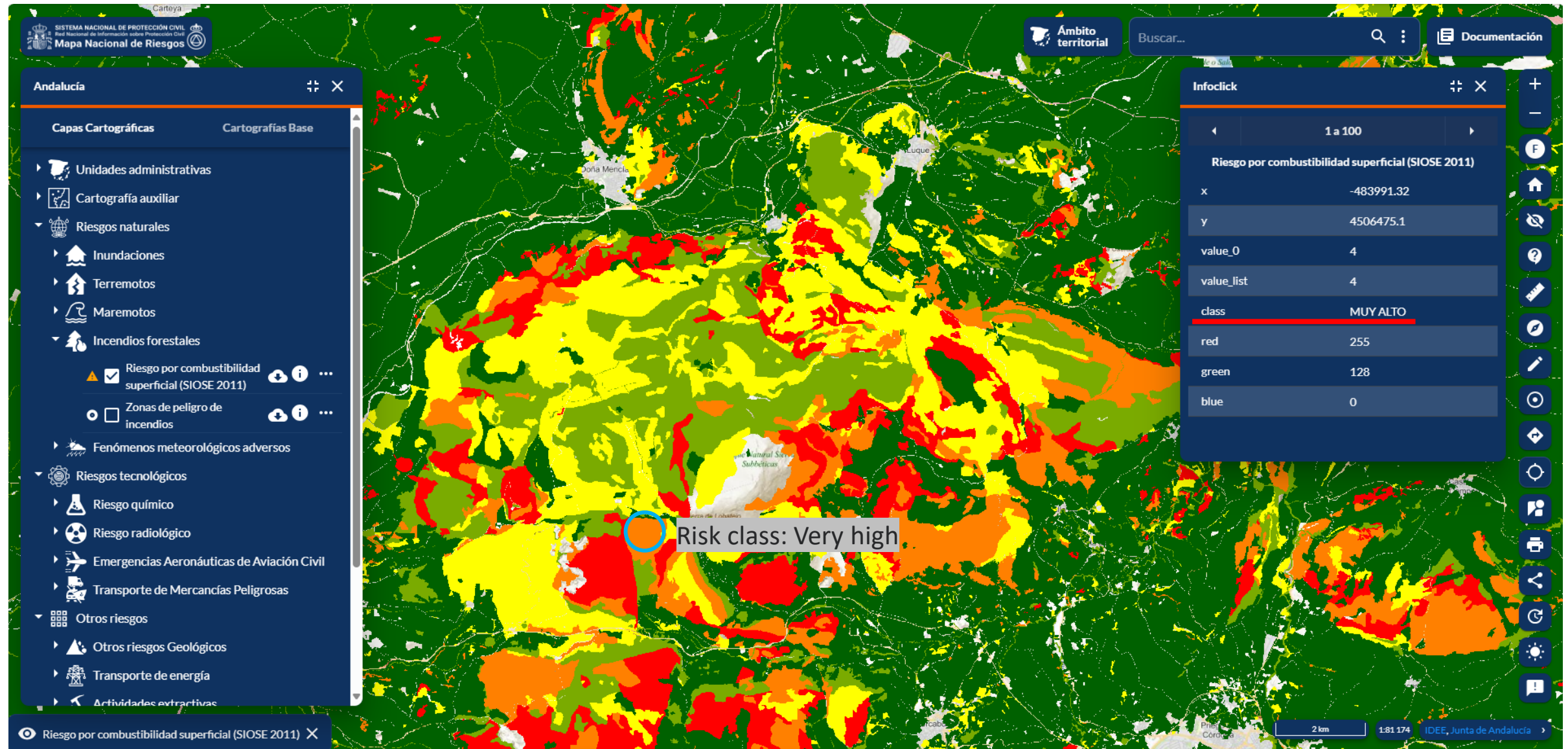
Mapa nacional de Riesgos

(National Risk Map)



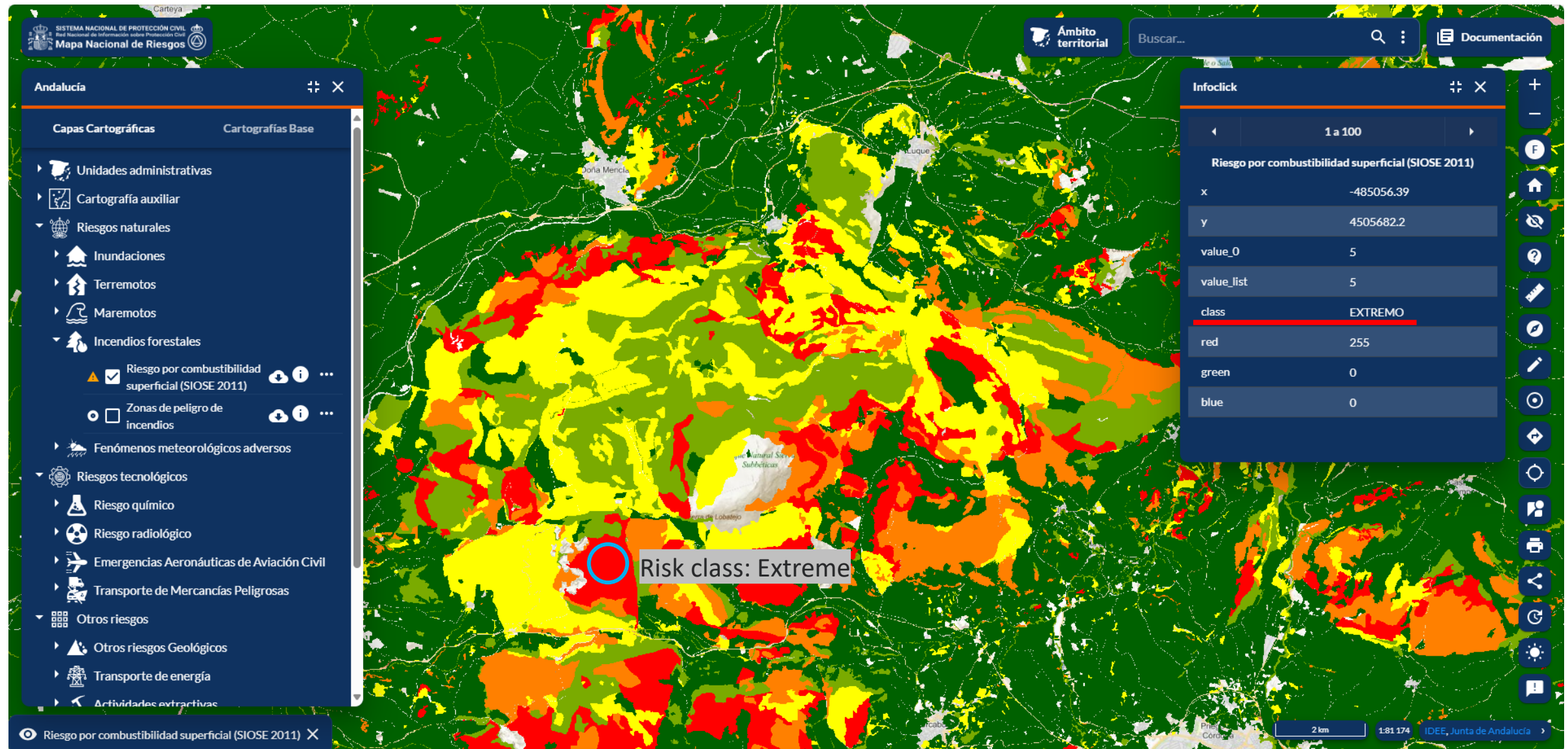
Mapa nacional de Riesgos

(National Risk Map)



Mapa nacional de Riesgos

(National Risk Map)



Location of risks in a specific location

We can:

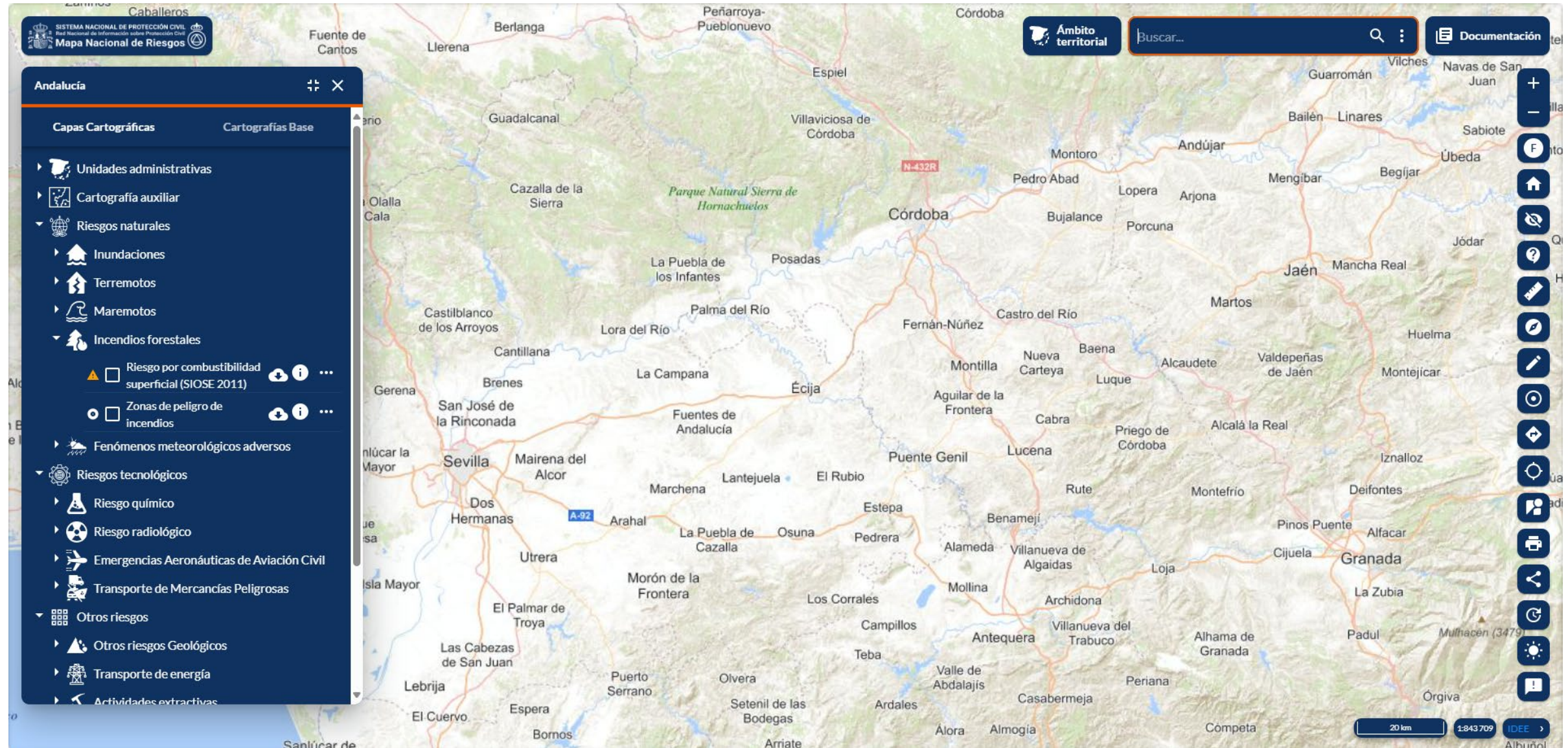
Ability to determine the level of a given risk for a location of interest

Steps:

- 1- Location on the map of the area of interest
- 2- Enabling the risk layers of our interest
- 3- Geographic and analytical visualization of risk values

Mapa nacional de Riesgos

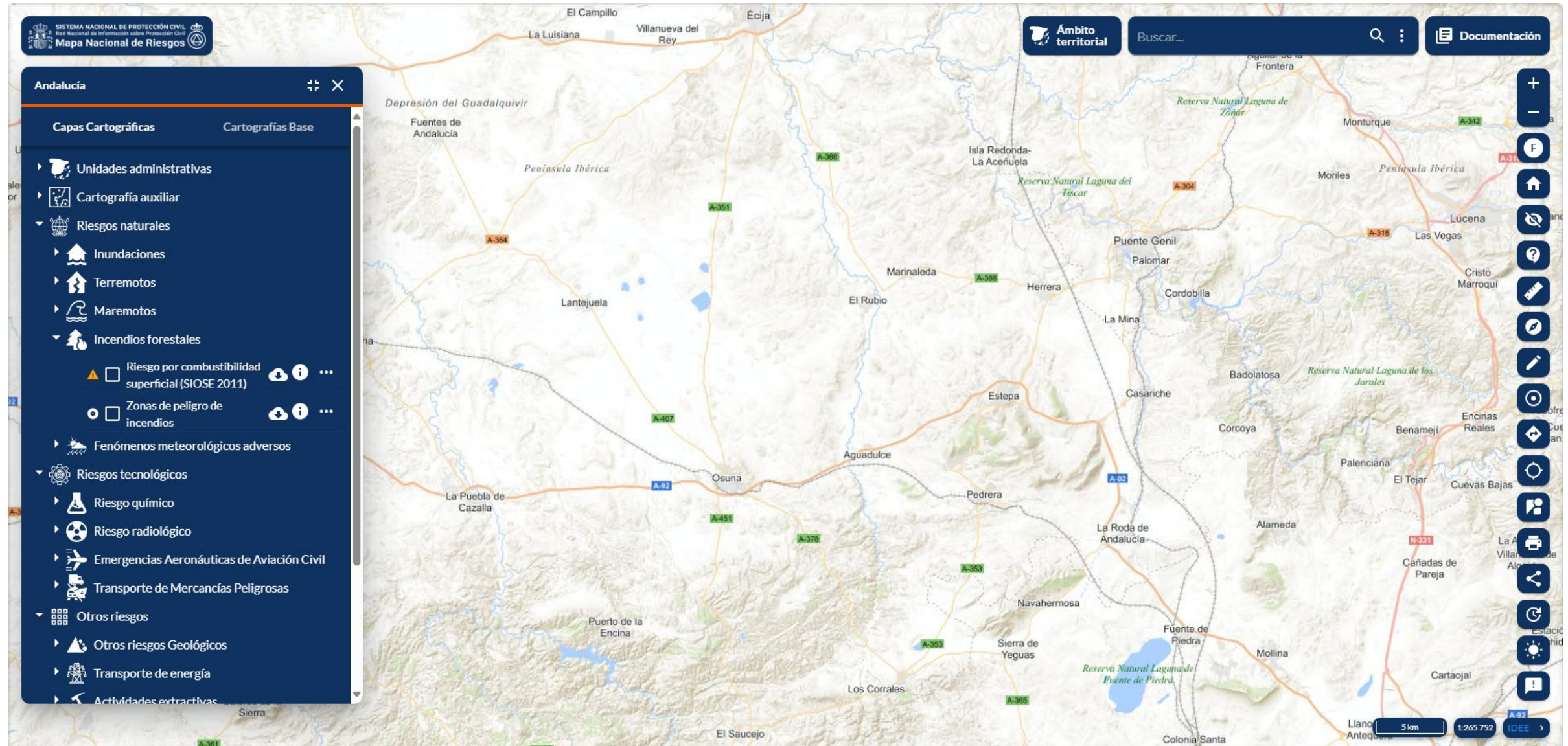
Location of risks in a specific location





Mapa nacional de Riesgos

Location of risks in a specific location



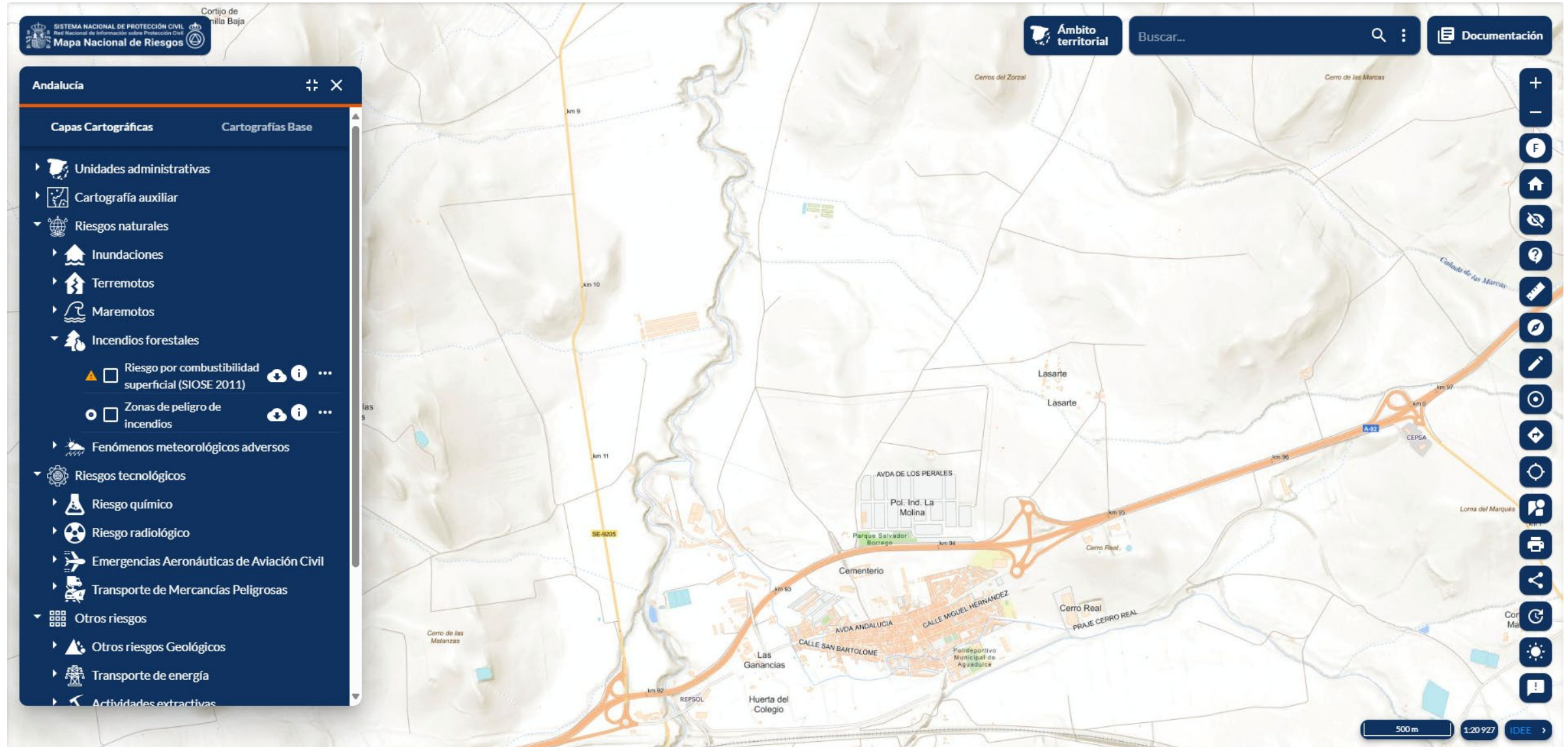
Mapa nacional de Riesgos

Location of risks in a specific location



Mapa nacional de Riesgos

Location of risks in a specific location



Mapa nacional de Riesgos

Location of risks in a specific location

The screenshot displays the National Risk Map (Mapa Nacional de Riesgos) interface. The map shows a region in Andalusia, Spain, with a red circle highlighting a specific location labeled "Pig farm". The interface includes a sidebar on the left with a menu for "Andalucía" and "Capas Cartográficas" (Cartographic Layers). The menu lists various risk categories:

- Unidades administrativas
- Cartografía auxiliar
- Riesgos naturales
 - Inundaciones
 - Terremotos
 - Maremotos
 - Incendios forestales
 - Riesgo por combustibilidad superficial (SIOSE 2011)
 - Zonas de peligro de incendios
 - Fenómenos meteorológicos adversos
- Riesgos tecnológicos
 - Riesgo químico
 - Riesgo radiológico
 - Emergencias Aeronáuticas de Aviación Civil
 - Transporte de Mercancías Peligrosas
- Otros riesgos
 - Otros riesgos Geológicos
 - Transporte de energía
 - Actividades extractivas

The map also features a search bar at the top right with the text "Buscar...", a "Documentación" button, and a vertical toolbar on the right side with various map navigation and interaction tools. The bottom of the map shows a scale bar (50m) and a coordinate system indicator (IDEE).

Mapa nacional de Riesgos

Location of risks in a specific location

The screenshot displays the National Risk Map (Mapa Nacional de Riesgos) interface. The left sidebar shows the 'Andalucía' region selected. The 'Capas Cartográficas' (Cartographic Layers) panel is open, listing various risk categories:

- Unidades administrativas
- Cartografía auxiliar
- Riesgos naturales
 - Inundaciones
 - Terremotos
 - Maremotos
 - Incendios forestales
 - ☐ Riesgo por combustibilidad superficial (SIOSE 2011)
 - ☐ Zonas de peligro de incendios
- Fenómenos meteorológicos adversos
- Riesgos tecnológicos
 - Riesgo químico
 - Riesgo radiológico
 - Emergencias Aeronáuticas de Aviación Civil
 - Transporte de Mercancías Peligrosas
- Otros riesgos
 - Otros riesgos Geológicos
 - Transporte de energía
 - Actividades extractivas

The main map area shows a topographic view of a region in Andalusia, with a river labeled 'Cañada de Altamirano'. A red arrow points to the 'Riesgo por combustibilidad superficial (SIOSE 2011)' layer in the sidebar. The right sidebar contains navigation controls, including a search bar, a 'Documentación' button, and a vertical toolbar with various map interaction tools. The bottom status bar shows a scale of 50m, a zoom level of 1:3296, and the IDEE logo.

Mapa nacional de Riesgos

Location of risks in a specific location

The screenshot displays the National Risk Map (Mapa Nacional de Riesgos) interface. The main map area shows a green background with a white dashed line representing a boundary. A sidebar on the left lists various risk categories under the heading 'Andalucía'. The 'Riesgos naturales' section is expanded, showing 'Inundaciones', 'Terremotos', 'Maremotos', and 'Incendios forestales'. The 'Riesgos tecnológicos' section is also expanded, showing 'Riesgo químico', 'Riesgo radiológico', 'Emergencias Aeronáuticas de Aviación Civil', and 'Transporte de Mercancías Peligrosas'. The 'Otros riesgos' section is expanded, showing 'Otros riesgos Geológicos', 'Transporte de energía', and 'Actividades extractivas'. A red arrow points to the 'Riesgo por combustibilidad superficial (SIOSE 2011)' option, which is checked. The 'Zonas de peligro de incendios' option is also visible. The top right of the interface includes a search bar labeled 'Buscar...' and a 'Documentación' button. The bottom right shows a scale bar for 50m and a legend for 'Riesgo por combustibilidad superficial (SIOSE 2011)'.

SISTEMA NACIONAL DE PROTECCIÓN CIVIL
Red Nacional de Información sobre Peligrosidad Civil
Mapa Nacional de Riesgos

Andalucía

Capas Cartográficas Cartografías Base

- Unidades administrativas
- Cartografía auxiliar
- Riesgos naturales
 - Inundaciones
 - Terremotos
 - Maremotos
 - Incendios forestales
 - ☒ Riesgo por combustibilidad superficial (SIOSE 2011)
 - ☐ Zonas de peligro de incendios
- Fenómenos meteorológicos adversos
- Riesgos tecnológicos
 - Riesgo químico
 - Riesgo radiológico
 - Emergencias Aeronáuticas de Aviación Civil
 - Transporte de Mercancías Peligrosas
- Otros riesgos
 - Otros riesgos Geológicos
 - Transporte de energía
 - Actividades extractivas

Ámbito territorial

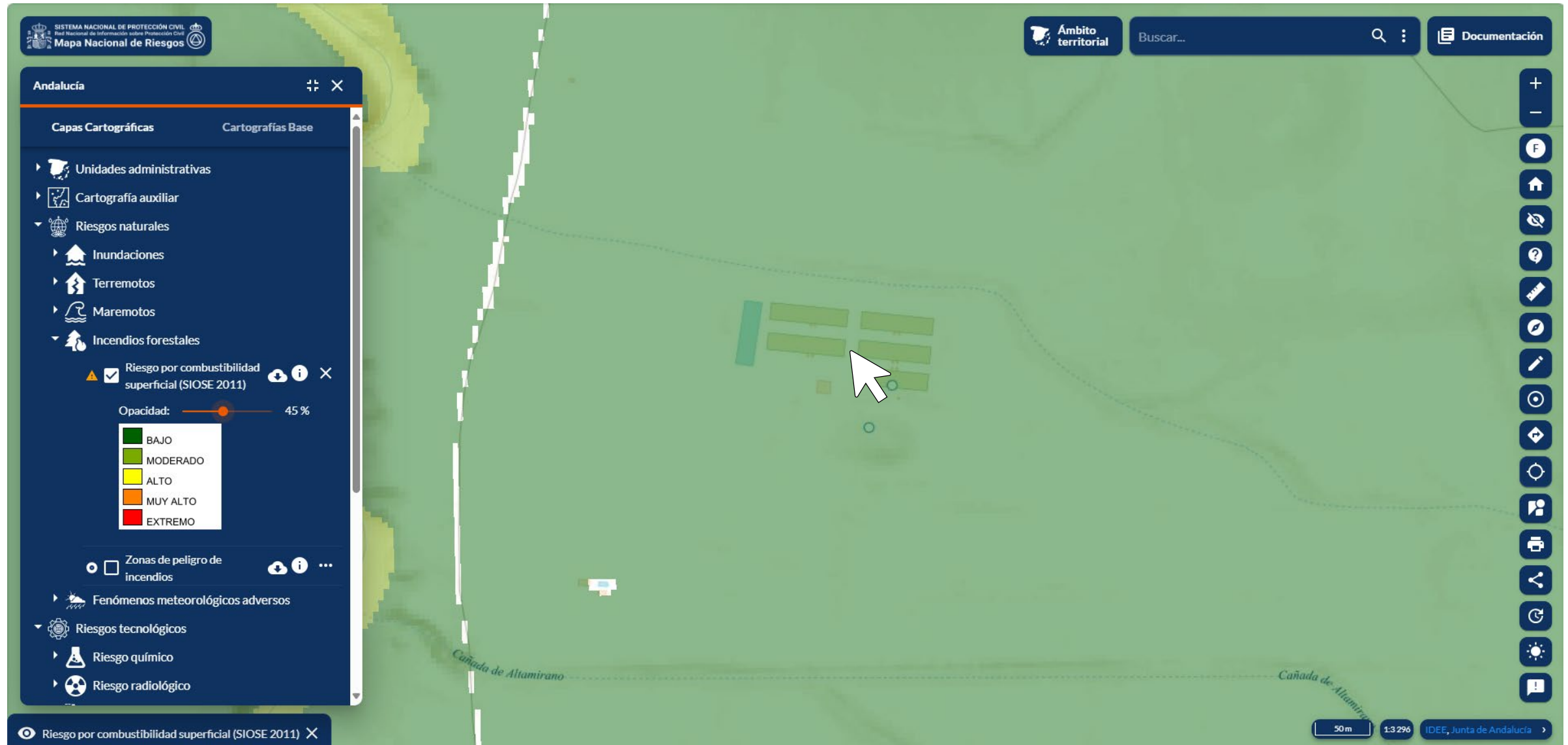
Buscar...

Documentación

50m 1:3 296 IDEE, Junta de Andalucía

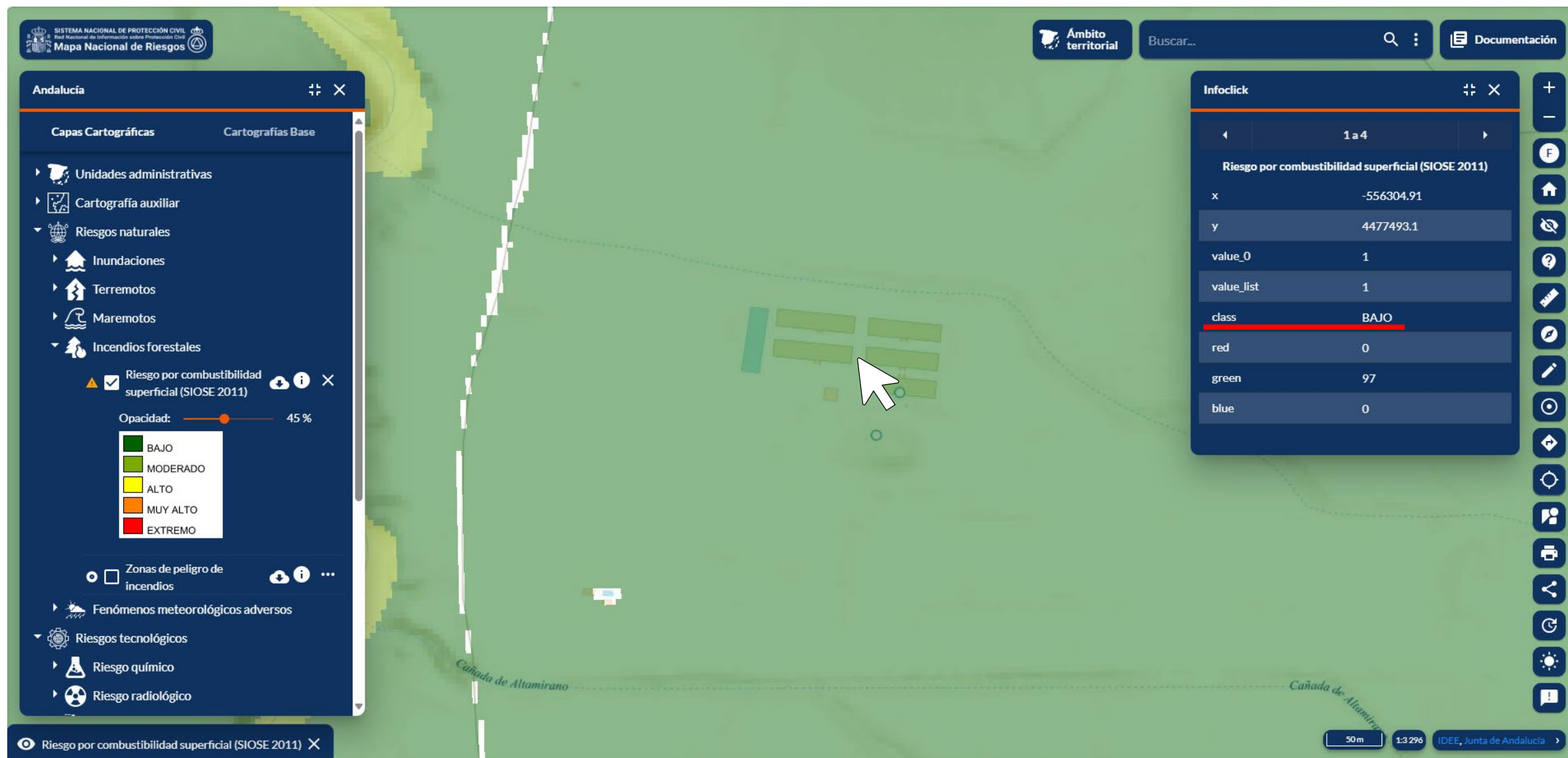
Mapa nacional de Riesgos

Location of risks in a specific location



Mapa nacional de Riesgos

Location of risks in a specific location



Mapa nacional de Riesgos

Location of risks in a specific location

SISTEMA NACIONAL DE PROTECCIÓN CIVIL
Red Nacional de Información sobre Protección Civil
Mapa Nacional de Riesgos

España

Capas Cartográficas Cartografías Base

- Unidades administrativas
- Cartografía auxiliar
- Riesgos art.15.3 Ley 17/2015
 - Riesgos naturales
 - Inundaciones
 - Terremotos**
 - Maremotos
 - Riesgo volcánico
 - Incendios forestales
 - Fenómenos meteorológicos adversos
 - Riesgos tecnológicos
 - Riesgo químico
 - Riesgo nuclear
 - Riesgo radiológico
 - Emergencias Aeronáuticas de Aviación Civil
 - Transporte de Mercancías Peligrosas
- Nuevo grupo
- Otros riesgos
 - Otros riesgos Geológicos

Ambito territorial Buscar...

Documentación

100m 1:4612 IDEE

Mapa nacional de Riesgos

Location of risks in a specific location

SISTEMA NACIONAL DE PROTECCIÓN CIVIL
Mapa Nacional de Riesgos

Ámbito territorial Buscar... **Documentación**

España

Capas Cartográficas **Cartografías Base**

- ▶ Unidades administrativas
- ▶ Cartografía auxiliar
- ▼ Riesgos art.15.3 Ley 17/2015
 - ▼ Riesgos naturales
 - ▶ Inundaciones
 - ▶ Terremotos
 - ▶ Cartografía de peligrosidad
 - ▶ Otra cartografía
 - ▶ Maremotos
 - ▶ Riesgo volcánico
 - ▶ Incendios forestales
 - ▶ Fenómenos meteorológicos adversos
- ▼ Riesgos tecnológicos
 - ▶ Riesgo químico
 - ▶ Riesgo nuclear
 - ▶ Riesgo radiológico
 - ▶ Emergencias Aeronáuticas de Aviación Civil
 - ▶ Transporte de Mercancías Peligrosas
- ▶ Nuevo grupo

100m 1:4612 IDEE

Mapa nacional de Riesgos

Location of risks in a specific location



Mapa nacional de Riesgos

Location of risks in a specific location

SISTEMA NACIONAL DE PROTECCIÓN CIVIL
Red Nacional de Información sobre Peligrosidad Civil
Mapa Nacional de Riesgos

Ámbito territorial Buscar... **Documentación**

España

Capas Cartográficas Cartografías Base

- Unidades administrativas
- Cartografía auxiliar
- Riesgos art.15.3 Ley 17/2015
 - Riesgos naturales
 - Inundaciones
 - Terremotos
 - Cartografía de peligrosidad
 - ☒ Peligrosidad sísmica.
 - Áreas de peligrosidad - intensidad 2015
 - Áreas de peligrosidad 2015
 - Isolíneas de peligrosidad 2015
 - CNR-Peligrosidad sísmica
 - Otra cartografía
 - Maremotos
 - Riesgo volcánico
 - Incendios forestales

Mapa nacional de Riesgos

Location of risks in a specific location

The screenshot displays the 'Mapa Nacional de Riesgos' interface. The left sidebar, titled 'Capas Cartográficas', shows a tree structure of map layers. The 'Riesgos art.15.3 Ley 17/2015' category is expanded, revealing 'Riesgos naturales' and 'Cartografía de peligrosidad'. Under 'Cartografía de peligrosidad', 'Peligrosidad sísmica' is selected, and its opacity is set to 100%. Below this, a legend for seismic hazard levels is visible, ranging from $PGA < 0,04g$ to $0,20g \leq PGA$. The main map area is currently blank, with a search bar and 'Ámbito territorial' button at the top right. A vertical toolbar on the right side contains various map navigation and interaction tools. The bottom status bar shows a scale of 100m, a scale of 1:4.612, and a link to 'IDEE, IGN'.

Capas Cartográficas

- Unidades administrativas
- Cartografía auxiliar
- Riesgos art.15.3 Ley 17/2015
 - Riesgos naturales
 - Inundaciones
 - Terremotos
 - Cartografía de peligrosidad
 - ☒ Peligrosidad sísmica. Opacidad: 100 %
 - $PGA < 0,04g$
 - $0,04g \leq PGA \leq 0,08g$
 - $0,08g \leq PGA \leq 0,12g$
 - $0,12g \leq PGA \leq 0,16g$
 - $0,16g \leq PGA \leq 0,20g$
 - $0,20g \leq PGA$

Áreas de peligrosidad - intensidad 2015

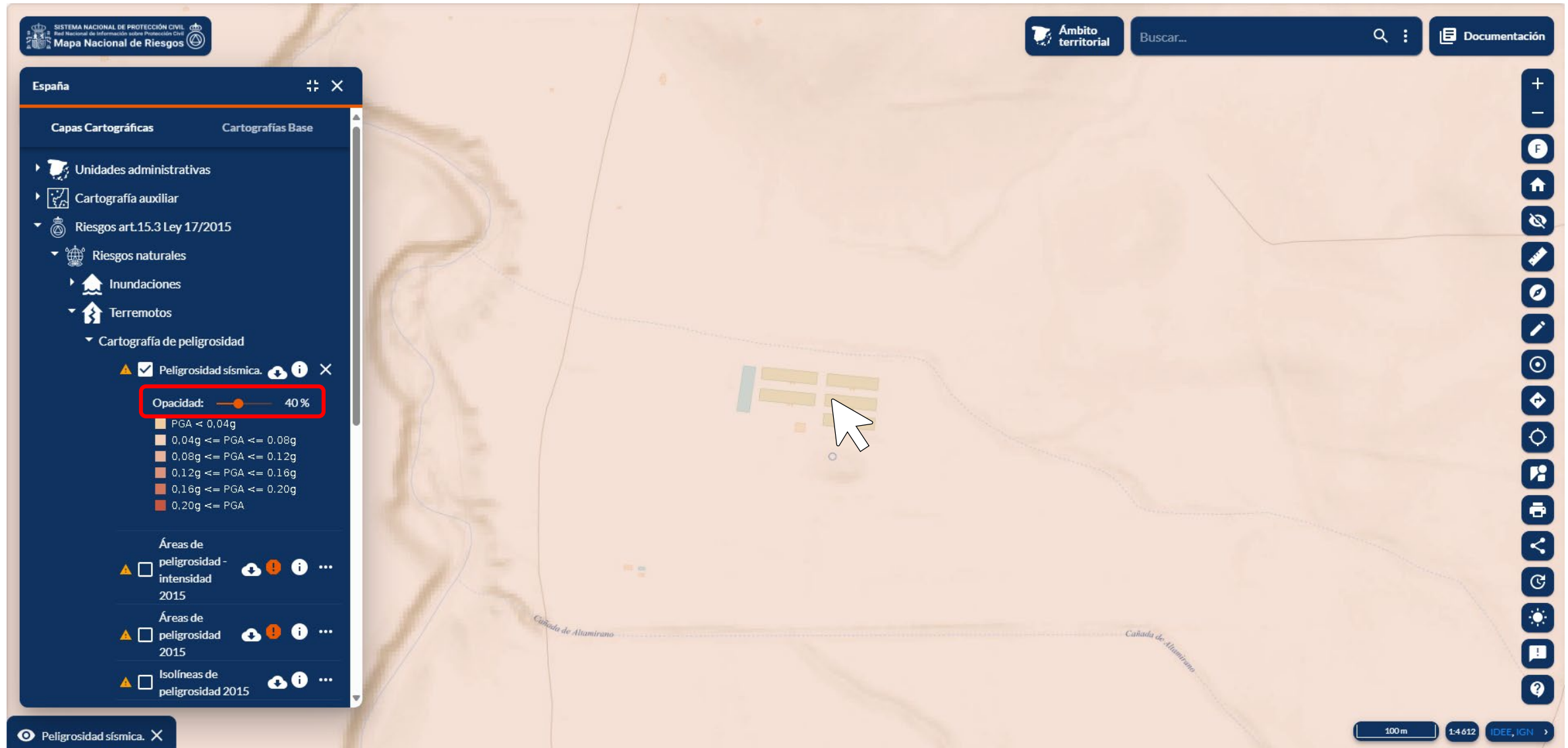
Áreas de peligrosidad 2015

Isolíneas de peligrosidad 2015

100m 1:4.612 IDIE, IGN

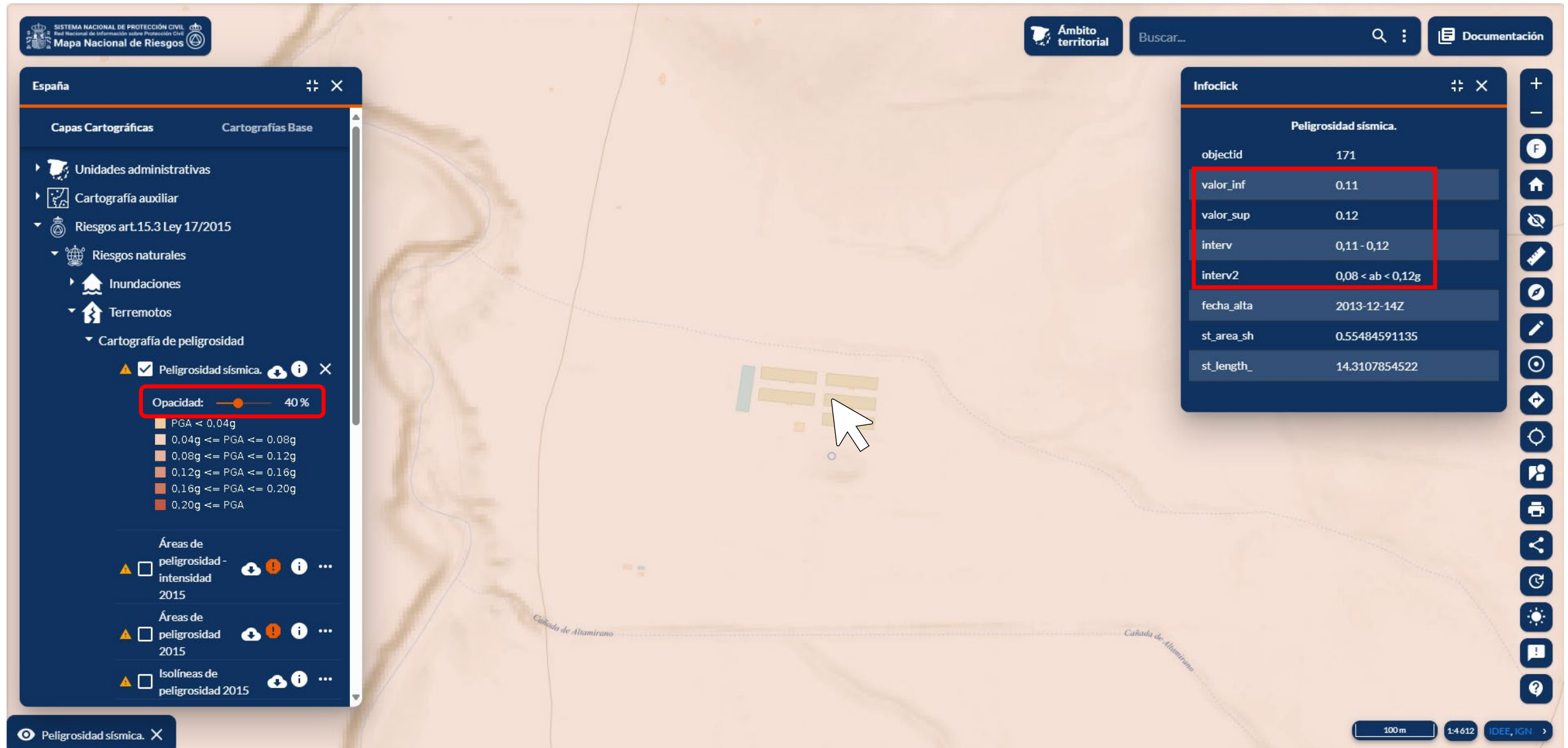
Mapa nacional de Riesgos

Location of risks in a specific location



Mapa nacional de Riesgos

Location of risks in a specific location



Thank you

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F. +33 (0)1 42 67 09 87

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www.woah.org

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