

# Open Data Portal Configuration and Deployment

This service includes the strategic planning, configuration and deployment of the software needed to publish data in an open data portal or a data space, as well as all the data preparation processes (acquisition, cleaning, dataset creation, etc.).

The screenshot displays the Redia-INIA Open Data Portal interface. The top navigation bar is green with the Redia-INIA logo and links for Datasets, Organizations, Groups, About, and Cite. A search bar is located on the right. The main content area is titled 'Datasets' and shows a search for 'Search datasets...'. It reports '9 datasets found' and allows sorting by 'Relevance'. The results are listed in a table with columns for Organization, Groups, Tags, and Description. The first result is 'Manual para recogida de muestras de suelo en las parcelas de la Red Española ...' by Centro de Investigaciones Científicas (6), with tags core (11/15), social (1/8), legal (2/7), and practico (3/14). The second result is 'Fototeca Forestal Española' by Centro Nacional de Datos de Metereología (1), with tags core (12/15), social (1/8), legal (4/7), and practico (9/14). The third result is 'Herbario MAIA - Eucalyptus' by Departamento de Medios de Comunicación (1), with tags core (10/15), social (1/8), legal (2/7), and practico (8/14). The fourth result is 'Fototeca Forestal Española' by Departamento de Mejoras Genéticas (1), with tags core (12/15), social (1/8), legal (4/7), and practico (8/14). The fifth result is 'Fototeca Forestal Española' by Departamento de Mejoras Genéticas (1), with tags core (12/15), social (1/8), legal (4/7), and practico (8/14). The sixth result is 'Fototeca Forestal Española' by Departamento de Mejoras Genéticas (1), with tags core (12/15), social (1/8), legal (4/7), and practico (8/14). The seventh result is 'Fototeca Forestal Española' by Departamento de Mejoras Genéticas (1), with tags core (12/15), social (1/8), legal (4/7), and practico (8/14). The eighth result is 'Fototeca Forestal Española' by Departamento de Mejoras Genéticas (1), with tags core (12/15), social (1/8), legal (4/7), and practico (8/14). The ninth result is 'Fototeca Forestal Española' by Departamento de Mejoras Genéticas (1), with tags core (12/15), social (1/8), legal (4/7), and practico (8/14).

Organizations	Groups	Tags	Description
Centro de Investigaciones Científicas (6)		core 11/15, social 1/8, legal 2/7, practico 3/14	Manual para recogida de muestras de suelo en las parcelas de la Red Española ... En este manual se describe el procedimiento utilizado en el muestreo de suelos de las parcelas de la Red Española de NIVELII del programa ICP-Forests. Estas parcelas forman...
Centro Nacional de Datos de Metereología (1)		core 12/15, social 1/8, legal 4/7, practico 9/14	Fototeca Forestal Española Una buena fotografía representa un trozo de la Naturaleza tal como estaba en el momento de ser tomada, en este caso constituye un documento científico, que conserva...
Departamento de Medios de Comunicación (1)		core 10/15, social 1/8, legal 2/7, practico 8/14	Herbario MAIA - Eucalyptus El Herbario MAIA tiene su origen en las colecciones del antiguo Instituto Forestal de Investigaciones y Experiencias (1929). Está ordenado según el sistema filogenético de...
Departamento de Mejoras Genéticas (1)		core 12/15, social 1/8, legal 4/7, practico 8/14	Fototeca Forestal Española Una buena fotografía representa un trozo de la Naturaleza tal como estaba en el momento de ser tomada, en este caso constituye un documento científico, que conserva...
		core 12/15, social 1/8, legal 4/7, practico 8/14	Fototeca Forestal Española Una buena fotografía representa un trozo de la Naturaleza tal como estaba en el momento de ser tomada, en este caso constituye un documento científico, que conserva...
		core 12/15, social 1/8, legal 4/7, practico 8/14	Fototeca Forestal Española Una buena fotografía representa un trozo de la Naturaleza tal como estaba en el momento de ser tomada, en este caso constituye un documento científico, que conserva...
		core 12/15, social 1/8, legal 4/7, practico 8/14	Fototeca Forestal Española Una buena fotografía representa un trozo de la Naturaleza tal como estaba en el momento de ser tomada, en este caso constituye un documento científico, que conserva...
		core 12/15, social 1/8, legal 4/7, practico 8/14	Fototeca Forestal Española Una buena fotografía representa un trozo de la Naturaleza tal como estaba en el momento de ser tomada, en este caso constituye un documento científico, que conserva...
		core 12/15, social 1/8, legal 4/7, practico 8/14	Fototeca Forestal Española Una buena fotografía representa un trozo de la Naturaleza tal como estaba en el momento de ser tomada, en este caso constituye un documento científico, que conserva...

## Contact information

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## Technological Offers type

Technological scientific services

## Research and innovation areas

- Digital Technologies, Artificial Intelligence, Cybersecurity, 5G, Robotics

## ODS



**Available from:** 2021

### Where?

Artificial Intelligence R&I Centre (AI.nnovation Space) Ontology Engineering Group

Keywords: | [data spaces](#) | [datos abiertos](#) | [DCAT](#) | [DCAT-AP](#) | [espacios de datos](#) | [open data](#)

### Open Data Portal Configuration and Deployment

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In the context of this service, we support public and private organisations in the adoption of a systematic strategy for the deployment of their open data portal or data space. We follow good practices at the international and national levels, as well as legal regulations, including the European directives, and national, regional and local regulations. We also provide all the technological support that is necessary for the configuration and deployment of open data portals and data spaces, based on open source software (CKAN, GAIA-X), and for the preparation of data assets that will be published. We help organisations in selecting update modes and frequencies, cleaning and preparation processes, publication formats (from 1 to 5 stars), etc.

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### Market demands

There is an increasing demand from public administrations, including public bodies, and private organisations for the publication of data that is not subject to privacy-awareness or data-protection limitations. The publication of open data eases reuse and has the potential of generating a large economic, social, political and environmental impact. Furthermore, the European Strategy for Data identifies the need to work on common data spaces, either by sector or by geographic location, that allows sharing public and private data across organisations, and with citizens.

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### Field of application

Open data portals and data spaces are relevant for all types of activity sectors. This includes areas where their application is already evident, such as cities and regions, statistical data, geographical data, and research data.

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### Differential Advantage

Our group has wide experience in the deployment of open data portals. This includes open government data (from public administrations) and open research data. One of our competitive advantages is that we provide support to the whole lifecycle of open data, from planning to their publication and reuse.

In the context of research data, we follow FAIR principles. In fact, one of our group members has been involved in the edition of the European Open Science Cloud (EOSC) Interoperability Framework.

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### Examples of previous references

Our group is currently working inside a consortium that provides support to the EU Publications Office for the further development of [data.europa.eu](https://data.europa.eu), with research tasks focused on the impact and positioning of open data. We have supported the deployment of 5-star open data portals like the one from the city of Zaragoza (<https://datos.zaragoza.es/>).

With respect to research data, we have been in charge of the following open research data portals:

- CSIC-INIA: <http://data.inia.es/>
  - Instituto Madrileño de Investigación y Desarrollo Rural, Agrario y Alimentario (IMIDRA): <https://gopausa.linkeddata.es/>
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### **Equipment description**

We have the hardware and software infrastructure that is necessary in order to deploy production-based open data portals and data spaces. However, we are commonly requested to work on the premises of our clients, so we are flexible on this.

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