

LOS DATOS DE INVESTIGACIÓN EN AGRICULTURA



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VALENCIA

Introducción (Agricultura)



Introducción (Agricultura)



- ▶ **Indicator 2.4.1 - Proportion of agricultural area under productive and sustainable agriculture**
 - ▶ The area under productive and sustainable agriculture captures the three dimensions of sustainable production: **environmental, economic and social**

Introducción (Agricultura)



Food and Agriculture Organization of the United Nations

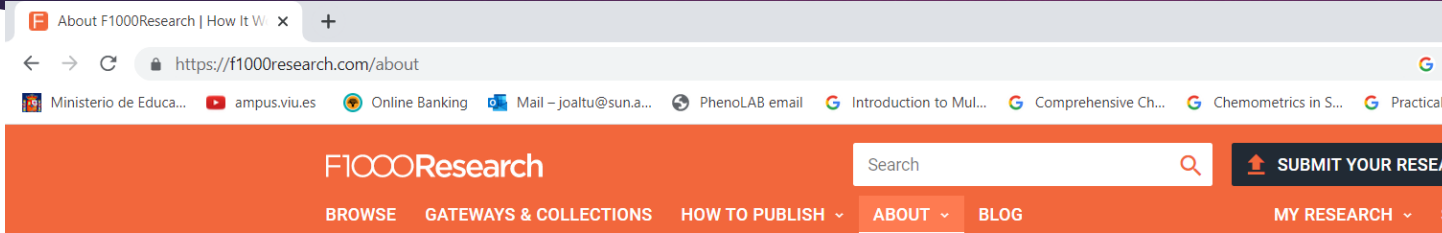
- ▶ The Food and Agriculture Organization (FAO) is a specialized agency of the United Nations that leads international efforts to **defeat hunger**.
- ▶ Our goal is to achieve food security for all and make sure that people have regular **access** to enough **high-quality food** to lead active, healthy lives.

Introducción (Agricultura)

- ▶ Seeks to support global efforts to make agricultural and nutritionally relevant data **available**, **accessible**, and **usable** for **unrestricted** use worldwide
 - ▶ Enable new and existing **open data initiatives** to set a core focus on agriculture and nutrition data.
 - ▶ Encourage the **agreement on and release** of a common set of agricultural and nutrition data.
 - ▶ Increase **widespread awareness** of ongoing activities, innovations, and good practices within the field.
 - ▶ Advocate for **collaborative efforts** on future agriculture and nutrition open data endeavors.



Introducción (Agricultura)



[Home](#) » [How It Works](#)

How it Works

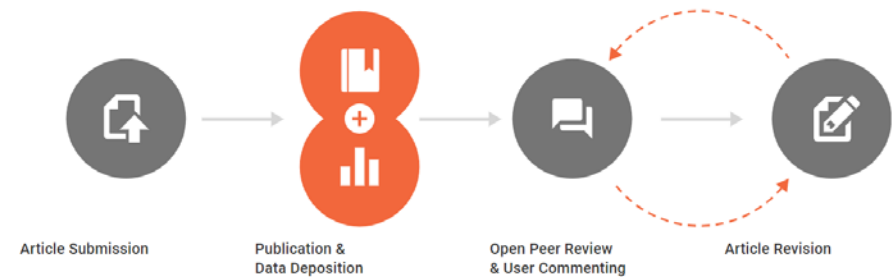
Rapid & Transparent Publishing

F1000Research is an Open Research publishing platform for scientists, scholars and clinicians offering rapid publication of articles and other research outputs without editorial bias. All articles benefit from transparent peer review and editorial guidance on making all source data openly available.



Our Publishing Processes

For Articles



FAIR principles



Findable (Encontrables)

- Have a globally unique and persistent identifier
- Described with rich metadata
- Metadata to include the identifier of the described data
- Registered in a searchable result

Accessible (Accesibles)

- Retrievable by an identifier with a standardized communication protocol
- Accessible even when data no longer available

Interoperable (Interoperables)

- Formal, accessible, shared, and broadly applicable language for knowledge representation
- Use of vocabularies that follow FAIR principles
- Include qualified references to other (meta)data

Reusable (Reutilizables)

- Richly described with a plurality of accurate and relevant attributes.

Objetivo (Evaluar repositorios de datos en agricultura)

Re3data.org
(registry of research
data repositories)

Palabras claves
mas frecuentes en
los repositorios

**ANÁLISIS DE LOS
REPOSITORIOS DE
REFERENCIA**

Resultados

re3data.org
REGISTRY OF RESEARCH DATA REPOSITORIES

agriculture

Search

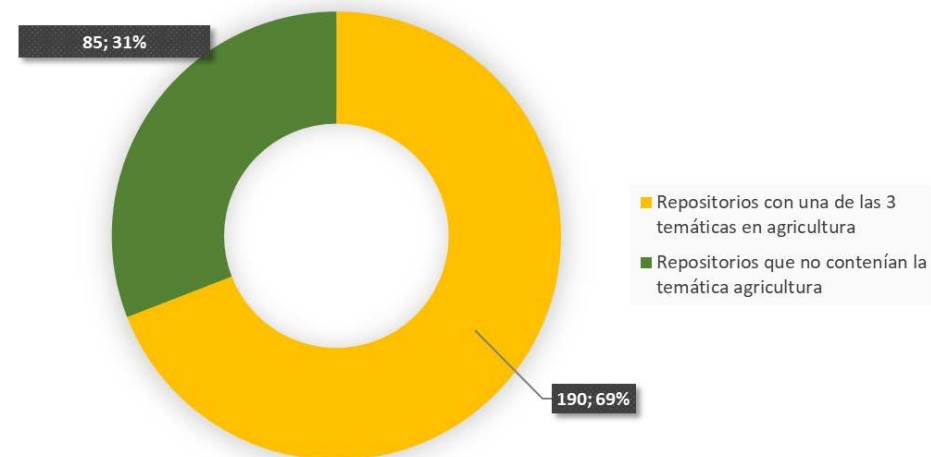
275

20704 Ecology of Agricultural Landscapes

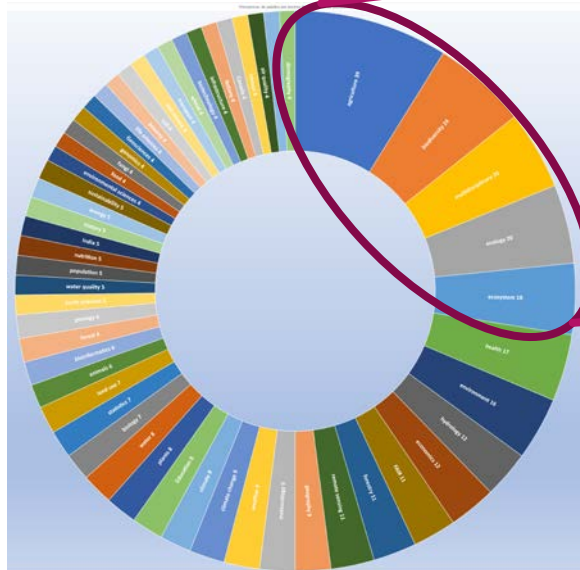
20708 Agricultural Economics and Sociology

20707 Agricultural and Food Process Engineering

Repositorios de agricultura



Resultados (Palabras clave)



Agriculture, 39
Biodiversity, 24
Multidisciplinary, 20
Ecology, 20
Ecosystem, 18
Health, 17
Environment, 16
Hydrology, 12
Economics, 12
FAIR, 11
Forestry, 11
Remote sensing, 11

Repositorios

- ▶ FAOSTAT
- ▶ USDA Ag Data Commons
- ▶ AEDA
- ▶ Data INRAE



Statistics



Data INRAE

Análisis de repositorios

- ▶ Cumple o menciona los principios FAIR
- ▶ Menciona los ODS
- ▶ Tipo de búsqueda, filtros
- ▶ Idiomas, país e instituciones
- ▶ Presentación y formato de los datos
- ▶ Año de inicio y actualización
- ▶ Acceso a la base de datos y modalidades de acceso
- ▶ Carga de datos
- ▶ Versionado de los datos
- ▶ Indicadores persistentes
- ▶ Tiene API
- ▶ Tiene estándar y esquema de metadatos





Statistics

URL

<http://www.fao.org/faostat/en/#home>

Instituciones involucradas

Organización de las Naciones Unidas
para la Agricultura y la Alimentación (FAO)

Año de inicio

2014/07/14

Última actualización

2022/01/12

Idiomas que ofrece

Inglés, Francés, Español, Ruso, Árabe y Chino

PAÍS / COMPETENCIA de las Instituciones

Internacional

Materias

1 Humanities and Social Sciences
12 Social and Behavioural Sciences
112 Economics
2 Life Sciences
23 Agriculture, Forestry, Horticulture and Veterinary Medicine
11205 Statistics and Econometrics
20709 Inventory Control and Use of Forest Resources
20708 Agricultural Economics and Sociology
20710 Basic Forest Research
20707 Agricultural and Food Process Engineering
207 Agriculture, Forestry, Horticulture and Veterinary Medicine



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- ¿Hace mención a los ODS (Objetivos de Desarrollo Sostenible)?
- ¿Hace mención a los principios FAIR?
- Forma de presentación de los datos
- ¿Indica el formato de los datos?
- Acceso a la base de datos de investigación
- Modalidades de acceso a los datos
- Subida de datos
- ¿Se realiza un control de calidad de sus datos?
- ¿Permite el versionado de datos? (modificación de versiones)
- ¿Tiene un sistema de identificadores persistentes?
- Licencias de datos
- ¿Tiene API? (Application programming interface)
- ¿Tiene un estándar de metadatos?
- Esquema de metadatos

DOWNLOAD DATA VISUALIZE DATA METADATA

Definitions and standards - Suite of Food Security Indicators

Country/Region	Element	Year	Units
Country Group			
Country Group Code			
5100			
5100			
5100			
5100			
5100			
5100			
5100			
5100			
5100			

Showing 1 to 250 of

6) Formal Set of Instructions

- Institutional mandate
- Legal acts and other agreements: See FAOSTAT metadata for the basic variables, metadata from other international organizations supplying data to FAO and national webpages providing information about the legal act for the data.
- Data sharing: Depending on indicator: FAOSTAT, UN Population Division, World Bank, WHO, UNICEF, ILO, WWGI, International Road Federation, World Road Statistics and Electronic
- Code - IOs from which FAO imports all or some data

7) Formal Provision

- Confidentiality
- Confidentiality - policy: FAO Statistical Quality Assurance Framework, Principle 10: "All data subject to national confidentiality policies (e.g. concerning people and legal entities, or small aggregates) are kept strictly confidential, and are used exclusively for statistical purposes, or for purposes mandated by legislation."
- Confidentiality - data treatment: Only non-confidential data are recorded.

8) Policy Regarding the Release

- Release policy
- Release calendar: Dates for new data releases are pre-announced on the FAOSTAT website, usually in July.
- Release calendar access: <http://fenixservices.fao.org/faostat/static/releasecalendar/Default.aspx>
- User access: In line with FAO's Statistics Code of Practice data are disseminated on FAO's website respecting professional independence and in an objective, professional and transparent manner in which all users are treated equitably.

Close



Ag Data Commons

U.S. DEPARTMENT OF AGRICULTURE

URL

<https://data.nal.usda.gov>

Instituciones involucradas

Departamento de Agricultura de los Estados Unidos, Biblioteca Agrícola Nacional (USDA / NAL)

Año de inicio

2015/11/24

Última actualización

2021/09/09

Idiomas que ofrece

Inglés

PAÍS / COMPETENCIA de las Instituciones

Estados Unidos

Materias

203 Zoology
3 Natural Sciences
22 Medicine
205 Medicine
34 Geosciences (including Geography)
20306 Animal Genetics, Cell and Developmental Biology
20303 Animal Ecology, Biodiversity and Ecosystem Research
20202 Plant Ecology and Ecosystem Analysis
20505 Nutritional Sciences
21 Biology
202 Plant Sciences
207 Agriculture, Forestry, Horticulture and Veterinary Medicine
20701 Soil Sciences
2 Life Sciences
23 Agriculture, Forestry, Horticulture and Veterinary Medicine
318 Water Research



Ag Data Commons

U.S. DEPARTMENT OF AGRICULTURE

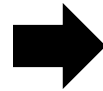
¿Hace mención a los ODS (Objetivos de desarrollo sostenible)?

NO

¿Hace mención a los principios FAIR?

SÍ

Forma de presentación de los datos



¿Indica el formato de los datos?

Acceso a la base de datos de investigación

Modalidades de acceso a los datos

Subida de datos

¿Se realiza un control de calidad de sus contenidos?

¿Permite el versionado de datos? (modificación)

¿Tiene un sistema de identificadores persistentes?

Licencias de datos

¿Tiene API? (Application programming interfaces)

¿Tiene un estándar de metadatos?

Esquema de metadatos

The screenshot shows the USDA Ag Data Commons website interface. At the top, the USDA logo and 'Ag Data Commons U.S. DEPARTMENT OF AGRICULTURE' are displayed. A navigation bar includes 'Datasets', 'Software & Tools', 'About Us', 'News', and 'Contact Us'. A search bar is present on the right. Below the navigation, a breadcrumb trail shows 'Home / Dataset'. A 'Filter By' sidebar is active, with 'Dataset' selected. The main content area displays 'Search Results' with '5973 results'. Below this, there is a 'Search By Fields' section with a dropdown set to 'All Fields' and 'Full text search' selected. 'Apply' and 'Reset' buttons are visible. The first search result is 'Hitchiti loblolly pine growing space study' by 'U.S. Forest Service Research'.



AEDA

Agricultural &
Environmental
Data
Archive

URL

<http://www.environmentdata.org/>

Instituciones involucradas

Departamento de Medio Ambiente,
Alimentación y Asuntos Rurales (Defra)
Asociación Biológica de Agua Dulce (FBA)
King's College de Londres
King's College London, portal de investigación

Año de inicio

2016/11/23

Última actualización

2022/05/25

Idiomas que ofrece

Inglés

PAÍS / COMPETENCIA de las Instituciones

Reino Unido

Materias

23 Agriculture, Forestry, Horticulture and Veterinary Medicine
2 Life Sciences



AEDDA

Agricultural &
Environmental
Data
Archive



AEDDA

Agricultural &
Environmental
Data
Archive

[My Data Home](#) [Login/Manage Data](#) [Help & Guidance](#) [Return to Main Site](#)

¿Hace mención a los ODS (Objetivos de desarrollo sostenible)?

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Esquema de metadatos

Search (b

Title

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Title

and v

Title

search

The Data Publication Process

Publication of data involves making the Datasets associated with a certain Activity or Sub-Activity (Publication cannot take place from the Dataset level as it would mean that the accompanying metadata is lost)

When a user thinks that their data is ready for publication they should go to the Activity page

The stages of publication are:

1. Pre-Publication Check
2. Submission for Publication
3. Publication of the Data
4. DOI Minting for Datasets

There is an optional fifth publication stage of ODI certification if the user requests it.

Stage 1: The Pre-Publication Check

The pre-publication check is a system check of all digital objects slated for publication, if the objects are not "in scope" for publication, "in scope" means that they are child objects of the Activity, however the scoping check will mean that these will not be published. This is an optional check, if you are publishing a document to a different Activity you may want to consider uploading that document to somewhere appropriate, if you have documentation or experimental protocols that will be referred to through the data

Stage 2: Submitting for Publication

Once the data has passed its pre-publication check you can submit it for publication

The review is necessary as not every issue will have been picked up automatically

URL	https://data.inrae.fr/
Instituciones involucradas	Dataverse Project Harvard Dataverse Institut National de Recherche pour l'Agriculture, l'alimentation et l'environnement (Instituto Nacional Francés de Investigación Agrícola INRAE)
Año de inicio	2018/05/17
Última actualización	2021/07/29
Idiomas que ofrece	Francés / Inglés
PAÍS / COMPETENCIA de las Instituciones	Internacional, Estados Unidos y Francia
Materias	20713 Basic Veterinary Medical Science 20711 Animal Husbandry, Breeding and Hygiene 21 Biology 23 Agriculture, Forestry, Horticulture and Veterinary Medicine 3 Natural Sciences 202 Plant Sciences 20701 Soil Sciences 2 Life Sciences 34 Geosciences (including Geography) 207 Agriculture, Forestry, Horticulture and Veterinary Medicine

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Esquema de metadatos

- How to share your data ? ▼
- Depositors ▼
- Curators ▲
- Curators' charter
- The aim of curation
- Levels of curation
- In practice
- The curator's rights regarding datasets
- Publication process schemas for a dataset
- Administrators ▼
- Search and explore data ▼
- Metadata ▼
- Additional tools ▼

In practice

Updated at: 08/08/2022

1. [The curation process](#)
2. [Length of curation work](#)
3. [Curation of a dataset before publication](#)
4. [Curation of a dataset after publication](#)

The curation process

Curation of the collection concerned is carried out by its designated curators. This can take place before or after the dataset is published, depending on the default role assigned to the dataset's creator as regards her/his dataset.

- If the dataset creator has been assigned a **default collaborator's role**, the creator cannot publish the dataset directly and must instead submit it to a collection curator for review and publication. Curation work is carried out **before publication**.
- If a **default curator's role** has been assigned to the dataset creator, the creator can publish the dataset directly. Curation by a collection curator takes place **after publication**.

In the institutional spaces of the *Recherche Data Gouv* Repository, the collection administrator(s) shall choose the curation method to be applied, set up curation modalities and designate curators for the collections.

↑
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Agradecimientos

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- ▶ Ministerio de Educacion y Formacion Profesional
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