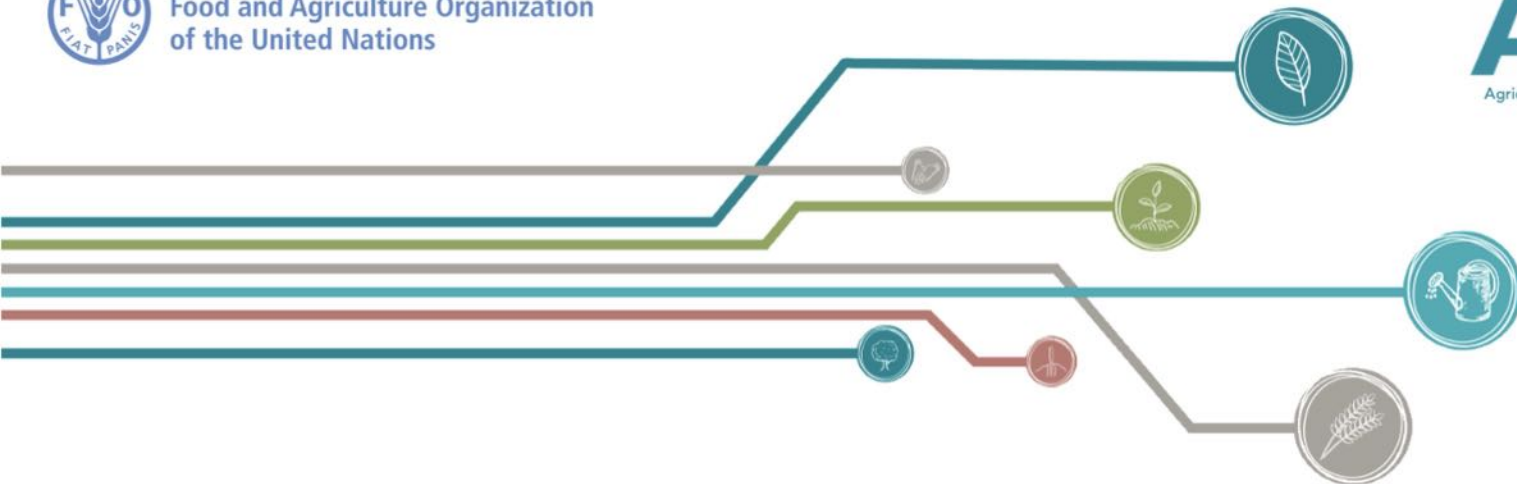




Food and Agriculture Organization
of the United Nations

AGRIS

Agricultural Science and Technology Information
www.fao.org/agris



AGRIS 2021 Virtual Annual Conference

1 July 2021

@FAOAIMS

#AGRIS2021

AGRIS Annual Conferences 2018-2019

2018. 1st Regional AGRIS Meeting with 22 participants representing 12 countries met in Lilongwe, Malawi

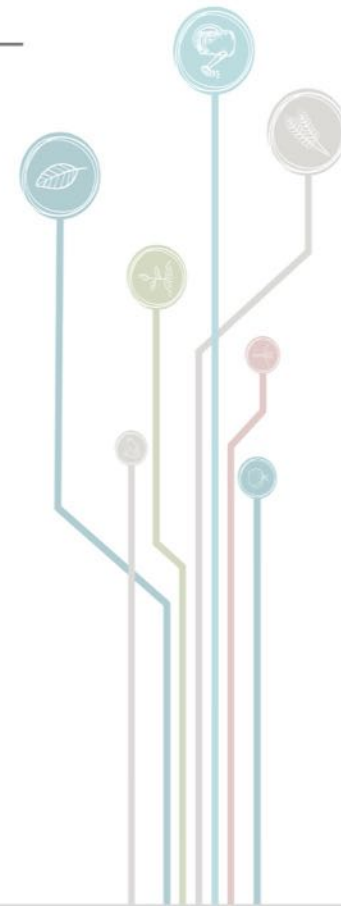


2019. 2nd Regional AGRIS Meeting with 35 participants representing 10 countries met in Moscow, Russian Federation



AGRIS Annual Conferences 2020

2020 Annual AGRIS Community Meeting was held online from 2–3 July with more than a hundred AGRIS participants from more than 35 countries in attendance.



AGRIS 2021 Virtual Annual Conference

47 years
4th annual conference
1300+ registrations
130 countries



Programme for AGRIS 2021 Annual Conference

13:00-13:10 CEST Opening

13:10-13:55 CEST Introduction to AGRIS by Imma Subirats, FAO

How does AGRIS facilitate knowledge sharing to support the fight against hunger?

Guest speakers:

Enrico Bonaiuti, ICARDA/ CGIAR

Justin Chisenga, FAO

13:55-14:05 CEST Short break

14:05-15:00 CEST Partnering with AGRIS by Ilkay Holt, FAO

How can your organization benefit from AGRIS?

Guest speakers:

Ruth Velia, CENIDA (Nicaragua)

Viorica Lupu, Republican Agricultural Scientific Library of SAUM (Republic of Moldova)

15:00-15:05 CEST Short break

15:05-15:45 CEST Contributing to AGRIS by Ilkay Holt and Imma Subirats, FAO

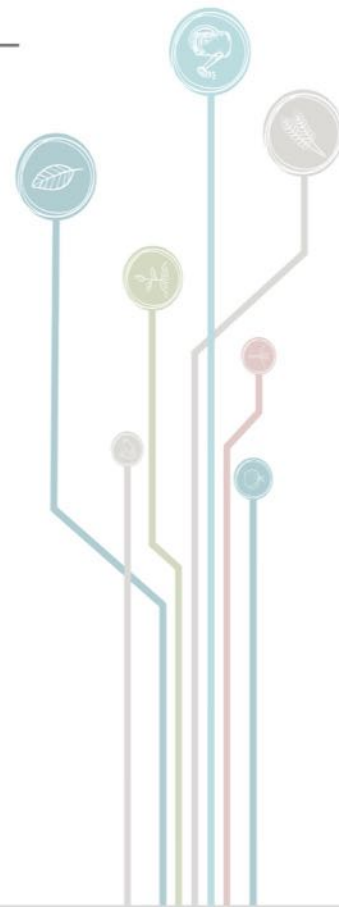
How can your organization contribute to AGRIS?

Guest speakers:

Lidia Pirumova, Central Scientific Agricultural Library - CSAL (Russian Federation)

Onan Mulumba, Makerere University (Uganda)

15:45-16:00 CEST Closure



The FAO AGRIS Team

ILKAY HOLT

AGRIS Content curator



IMMA SUBIRATS

AGRIS Programme manager



FABRIZIO CELLI

AGRIS IT



VERONICA VENTURINI

AGRIS Communications



TIZIANO DI CONDINA

AGRIS IT



ZHUO CHENG

AGRIS Technical support



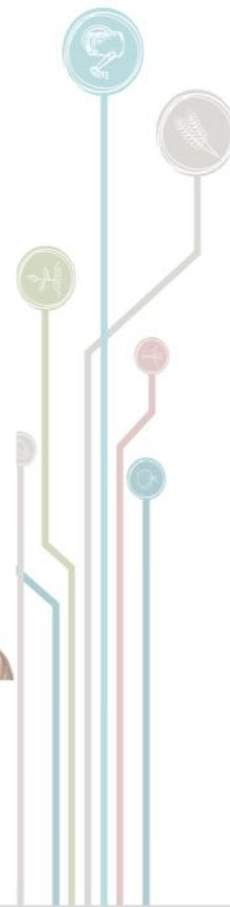
FERNANDA PESET

AGRIS Advisor



HRIJOY BHATTACHARJEE

AGRIS Help Desk & communications



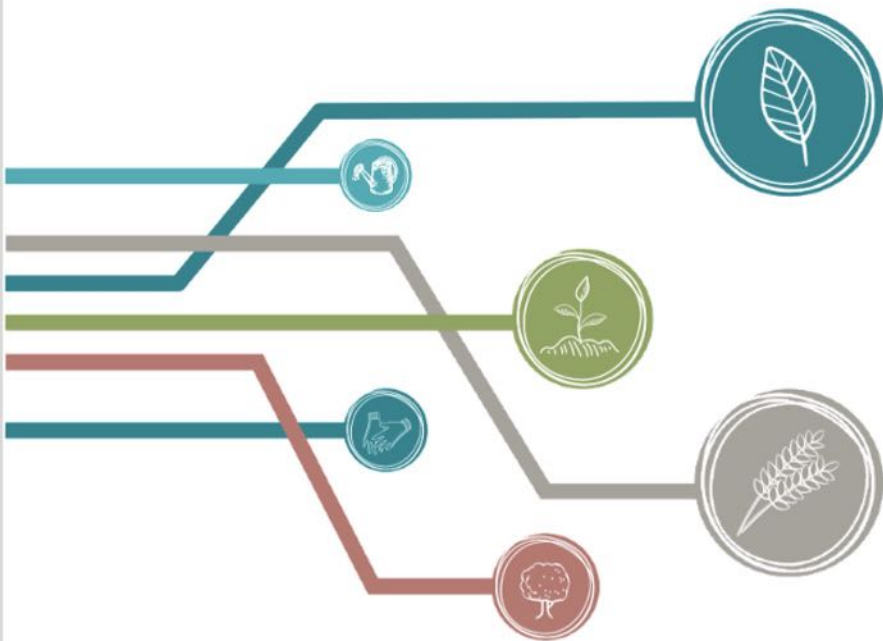


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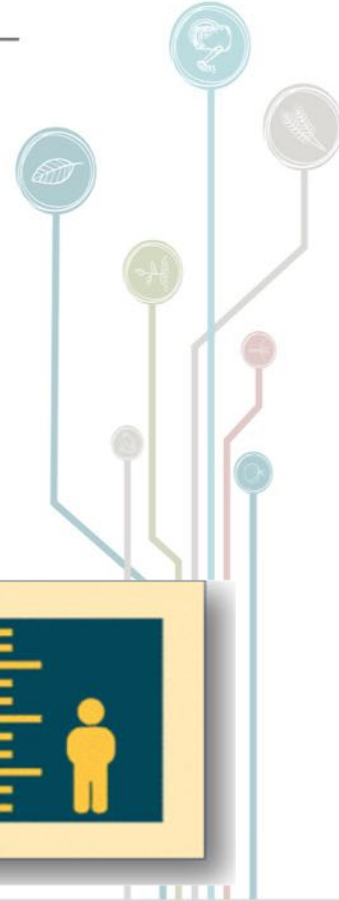
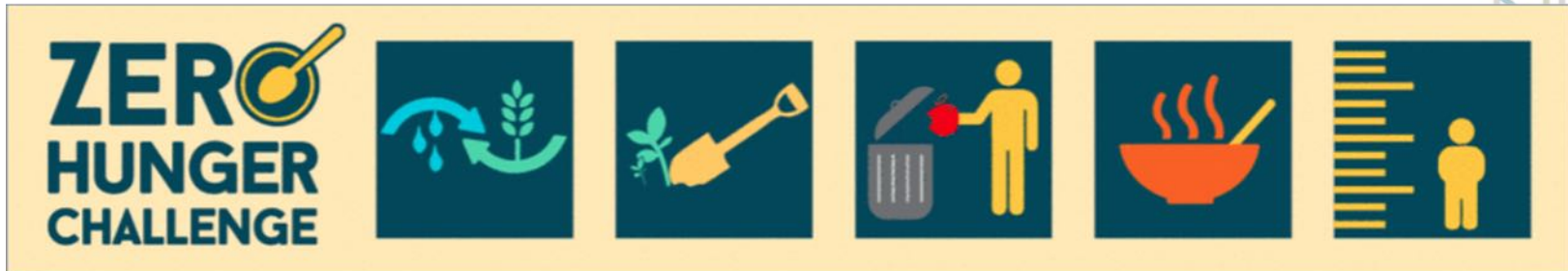


Session 1

About AGRIS

The Food and Agriculture Organization

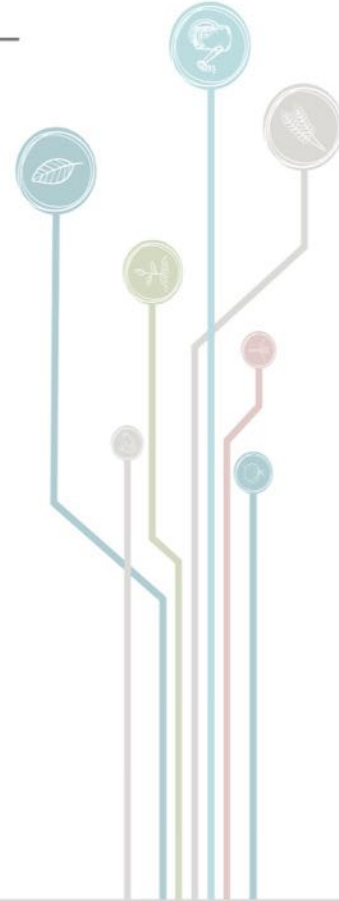
- The Food and Agriculture Organization (FAO) is a specialized agency of the United Nations that leads international efforts to defeat hunger.
- Our goal is to achieve food security for all and make sure that people have regular access to enough high-quality food to lead active, healthy lives.
- Achieving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



To defeat hunger, knowledge is key and sharing it is vital

Through a series of knowledge programmes, FAO helps to increase the accessibility and visibility of research products in its Member Countries, and to make this information available, accessible and usable worldwide.

This exchange of knowledge not only supports FAO's work for a world free of hunger, malnutrition and poverty, but also contributes to the achievement of the Sustainable Development Goals (SDGs).



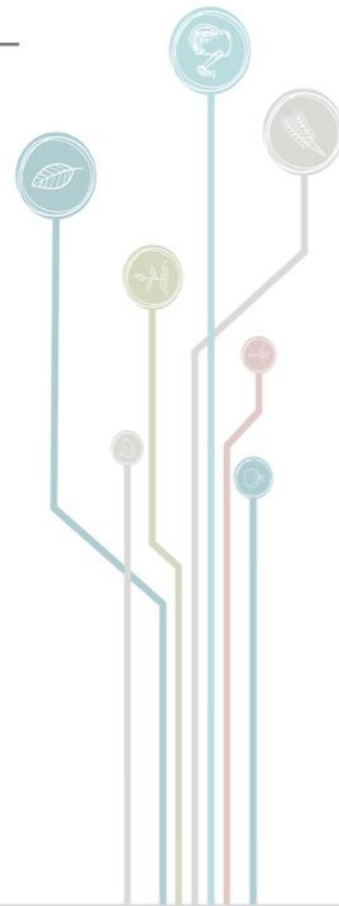
AGRIS

AGRIS is the international information system for agricultural sciences and technology.

AGRIS collects bibliographic information from around the world on scientific, technical and socioeconomic publications on a wide variety of topics related to food and agriculture.

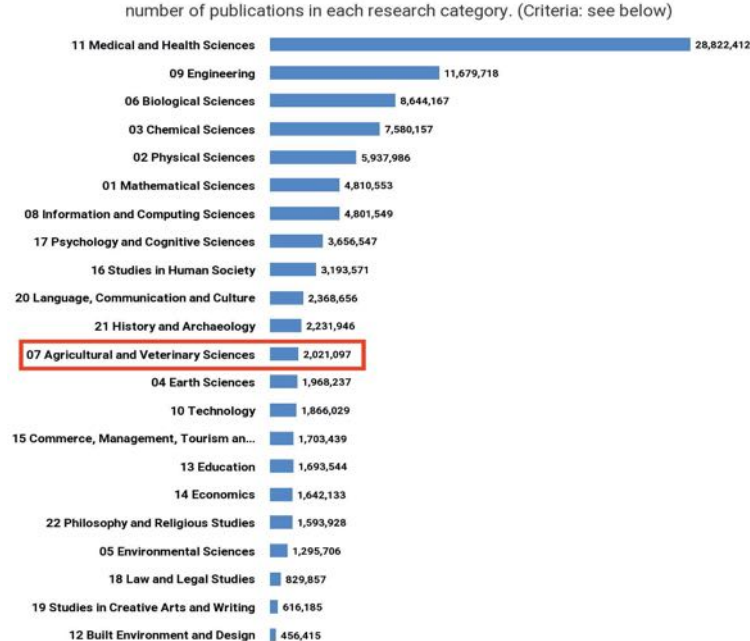
AGRIS compiles the information in a rational and systematic way and publishes it in a database in a monthly basis.

AGRIS became operational in 1975.



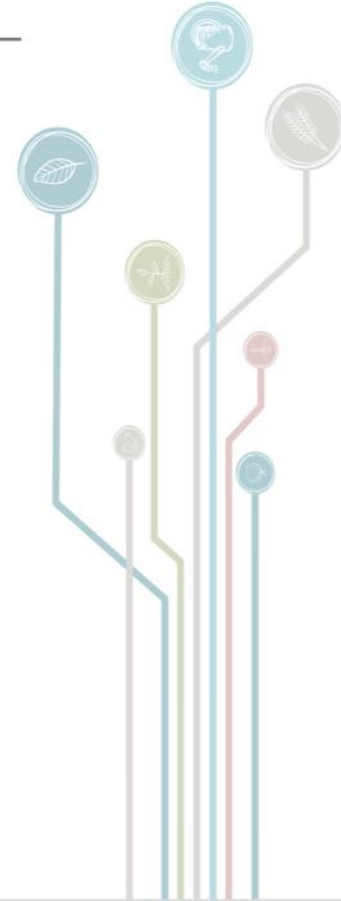
Agricultural sciences landscape

- Applied science
- A majority of the research output is not in the peer reviewed literature
- A lot of the research is done by private companies and public organizations
- Multilingualism



Source: https://login.research4life.org/tacsgr1app_dimensions.ai
Exported: July 01, 2020
Criteria: none.

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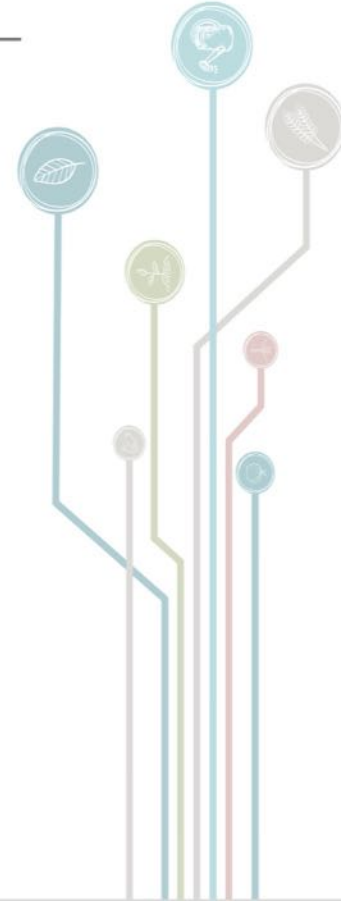
AGRIS is composed of two elements

The AGRIS Network is a community of organizations who collect and contribute with information about food and agricultural literature and participate in knowledge sharing activities.

<http://www.fao.org/agris/>

AGRIS is also a database with more than 13.5M structured bibliographical records on agricultural science and technology in 90 languages.

<http://agris.fao.org>

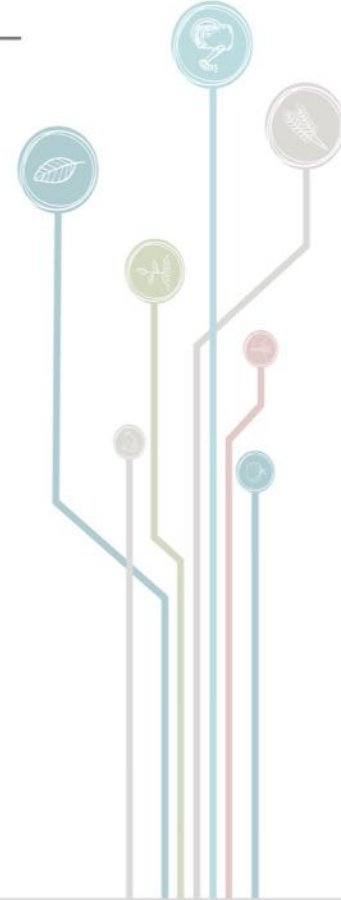


The functions of AGRIS

To create a single, comprehensive database of world-wide agricultural literature which reflects research results in food and agriculture.

To meet information needs by providing online retrieval mechanisms and provide advice when ensuring requests for documents where not available online.

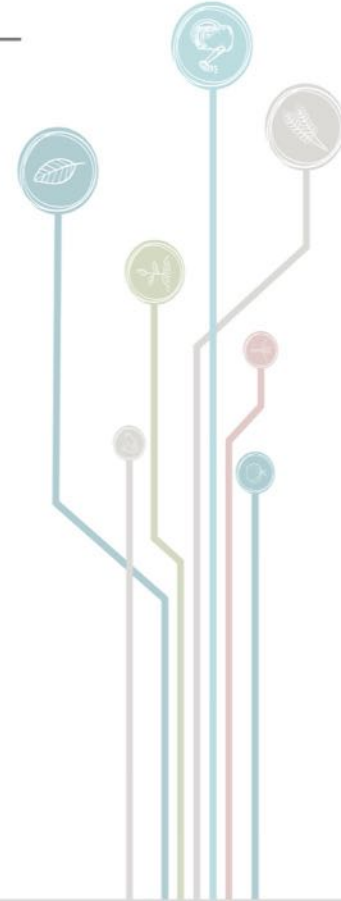
To interact with other search engines, increasing search efficiency and hence visibility and accessibility of agricultural scientific research.



The scope of AGRIS

The subject scope of AGRIS reflects the scope of FAO, and is classed in the following subject groups:

- Fisheries
- Inclusive rural transformation and gender equality
- Food and nutrition
- Forestry
- Animal production and health
- Food systems and food safety
- Land and water
- Plant production and protection
- Agrifood economics
- Climate change, biodiversity and environment
- Agricultural innovation

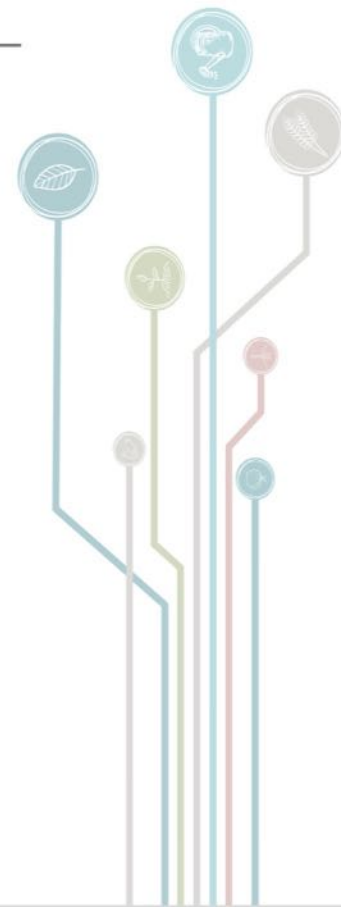


Users

Anyone interested in resources related to the topics covered in AGRIS, including students, scientists, librarians, researchers, publishers and policy-makers, among others.

The most common cases when searching AGRIS are:

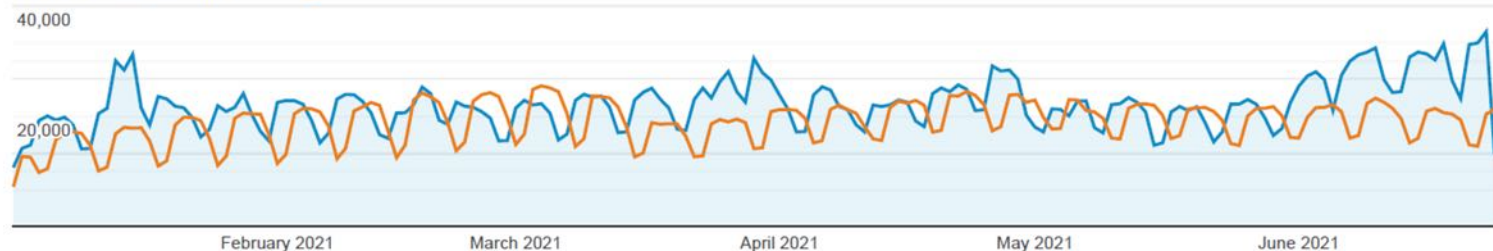
- To find relevant information on their field of expertise; to avoid the noise of Google and Google Scholar;
- Access to information available in other languages rather than English;
- Access full text, but also bibliographic information e.g. produced in a certain period of time in a specific country.



Usage statistics

01-Jan-2021 - 24-Jun-2021: ● Users

01-Jan-2020 - 24-Jun-2020: ● Users



Users

22.77%

3,380,882 vs 2,753,888



New Users

23.83%

3,242,151 vs 2,618,328



Sessions

14.61%

4,191,288 vs 3,657,080



Page Views

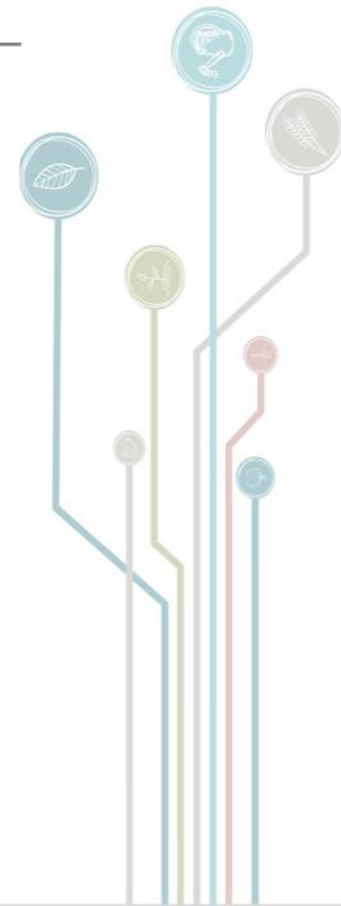
8.62%

4,926,679 vs 4,535,635

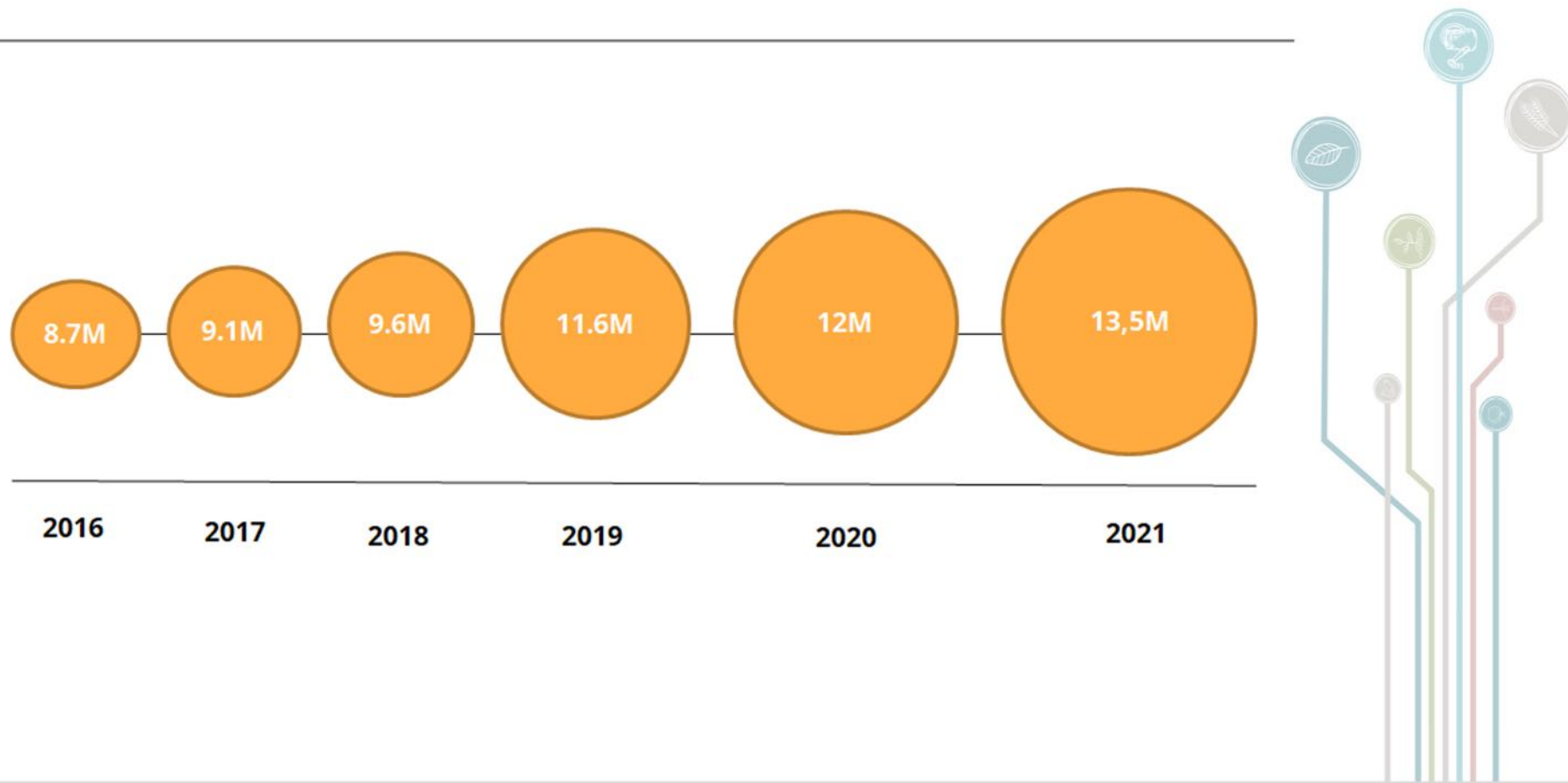


Q1Q2 2021 vs Q1Q2 2020: increased users, new users, sessions and page views

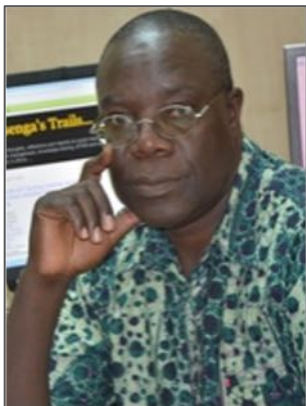
Source: Google Analytics



AGRIS Content Evolution 2016-2021



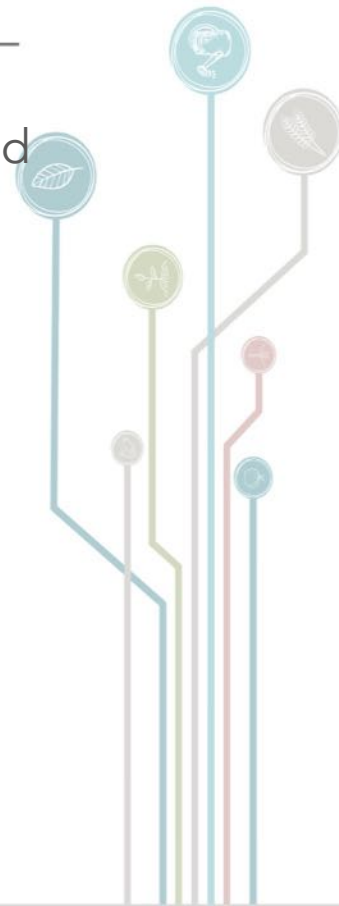
Panellists Session 1



Justin Chisenga – Capacity Development Officer and Team Leader: Partnerships with Academia and Research Institutions in the Partnerships Unit of the Partnerships and UN Collaboration Division at FAO.



Enrico Bonaiuti – Team Leader at Monitoring, Evaluation and Learning at the International Center for Agricultural Research in the Dry Areas (ICARDA) and Program Management Officer at the CGIAR Research Program on Roots, Tubers, and Bananas (RTB), led by the International Potato Center.



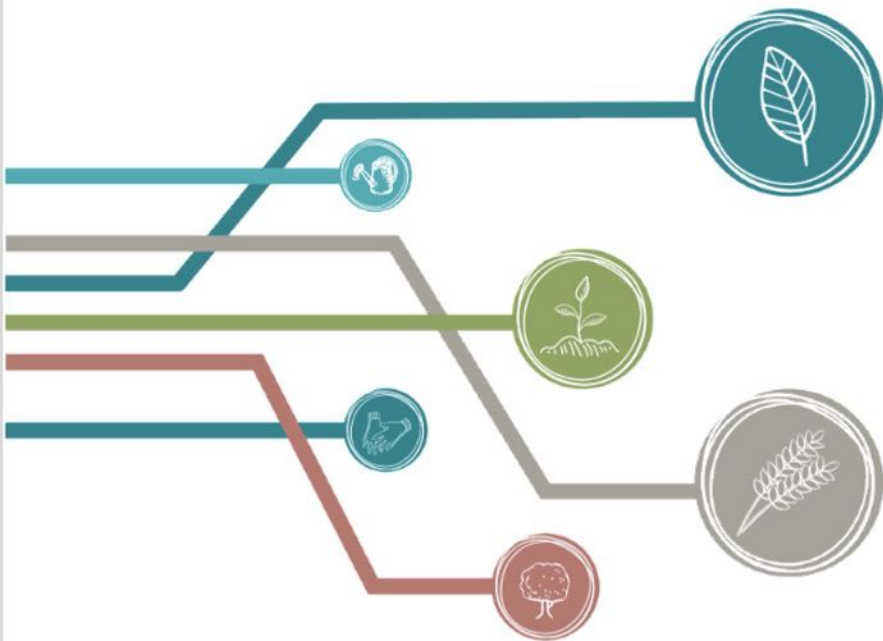


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Session 2

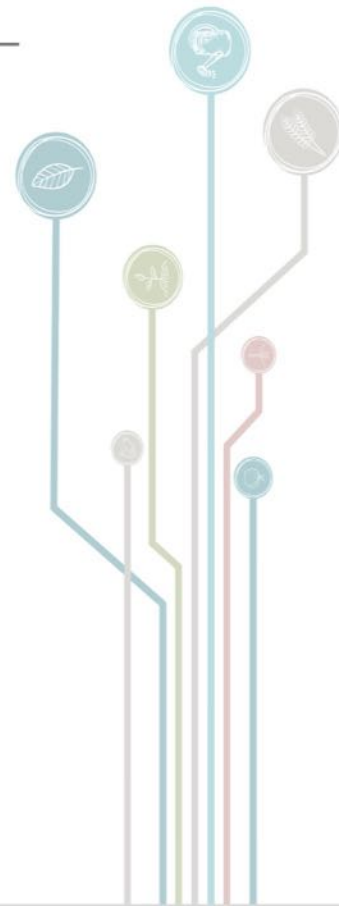
Partnering with AGRIS

Role of the AGRIS Network

AGRIS exists thanks to the sharing of bibliographic references by a collaborative network of organizations.

This global collaboration depends on continued contributions, especially to strengthen multilingualism and equitable representation.

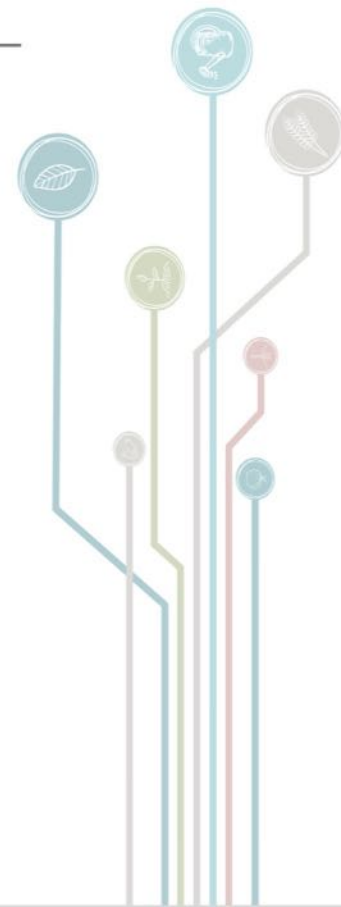
The AGRIS network itself is a key element in ensuring that AGRIS, as a database, continues to contain diverse content from relevant stakeholders.



AGRIS Network and its users

The involvement of AGRIS users and further collaboration on technical developments also provide an invaluable opportunity to strengthen and develop new functionalities for the AGRIS.

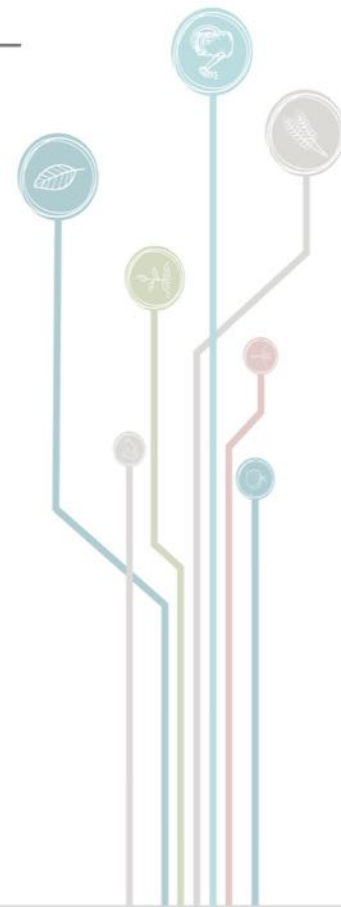
Feedback received from organizations and users is important for continued improvements to AGRIS.



Benefits

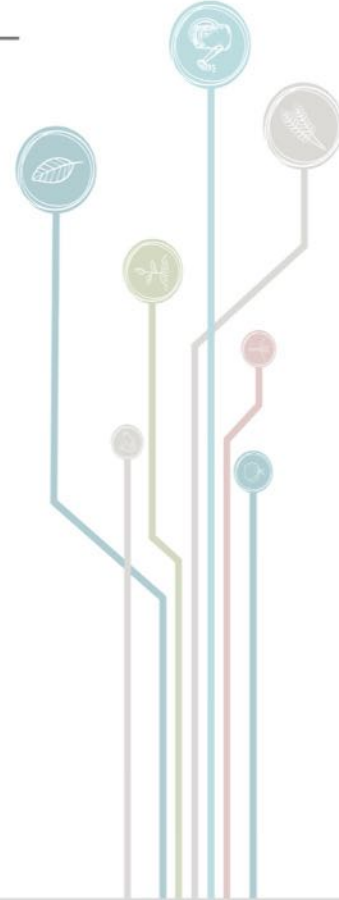
Joining AGRIS is free. By contributing to AGRIS, organizations benefit from:

- Being part of a dynamic international network with a focus on the agricultural content which is accessible, intensively used and massively distributed in the global information landscape;
- Jointly contributing to international science;
- Exchanging information and data between different countries and stakeholders and increase visibility to a broader international audience;
- Sharing unique materials, such as unpublished scientific and technical reports, governmental publications, conference materials, data sets, maps, etc.



Other benefits

- Increases visibility of the organizations at global level
- Increases usage of institutional research outputs
- Enables discoverability on the web
- Offers multilinguality via AGROVOC
- Creates knowledge sharing networks
- Creates opportunities for further collaboration

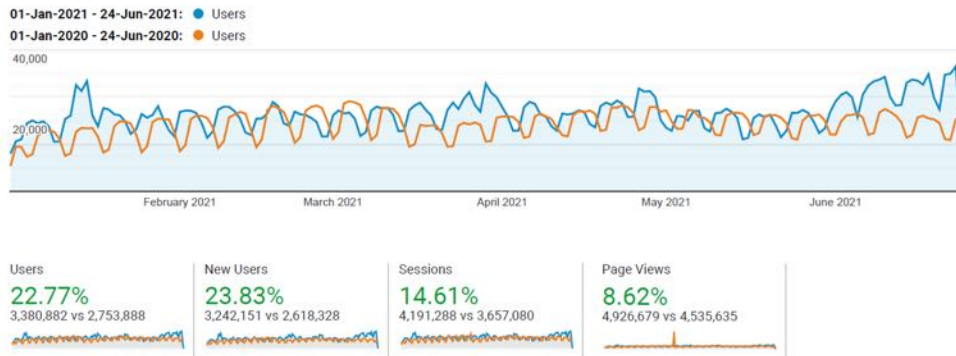


Usage statistics

AGRIS receives 10M page views yearly.

Active members benefit from high use of AGRIS in general in terms of visibility.

Network partners have access to institutional statistics to assess the impact and also to report at their organizations.



Q1Q2 2021 vs Q1Q2 2020: increased users, new users, sessions and page views

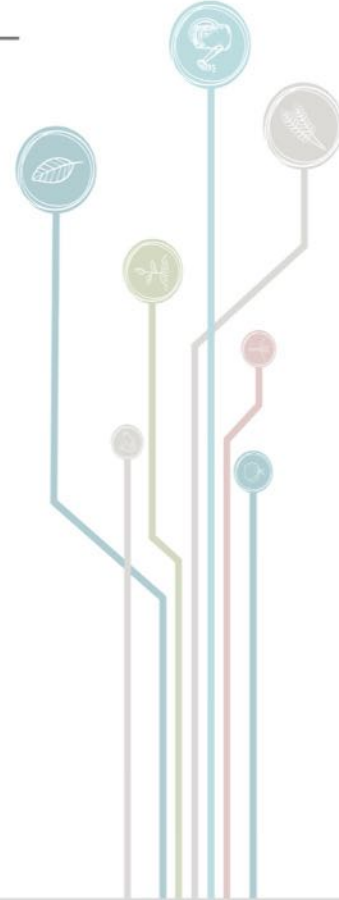
Source: Google Analytics

The AGRIS Network in a nutshell

AGRIS Network is a community of organizations who collect and contribute with information about food and agricultural literature and participate in knowledge sharing activities.

It is currently composed of the two elements:

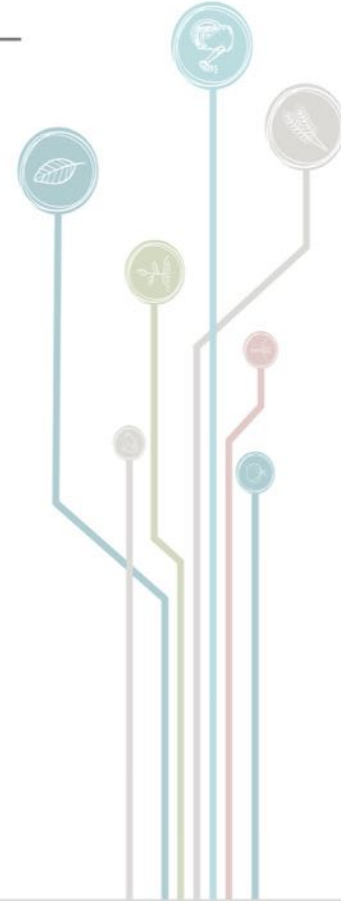
- Data providers
- Country Hubs



The AGRIS Network: Data providers

Data providers are organizations that contribute to the content of AGRIS.

Types of data providers include research centres, academic institutions, publishers, governmental bodies, development programmes, international and national organizations.

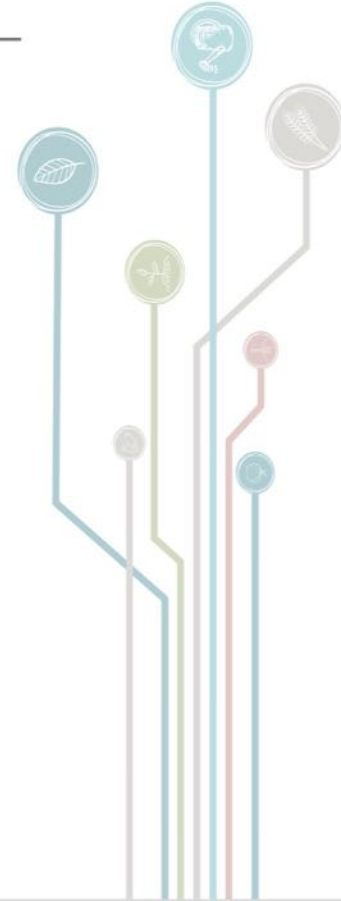


The AGRIS Network: Country hubs

Country hubs are organizations that act as focal points for AGRIS at country or regional level. They are formerly known as National AGRIS Centres.

Country hubs are responsible for:

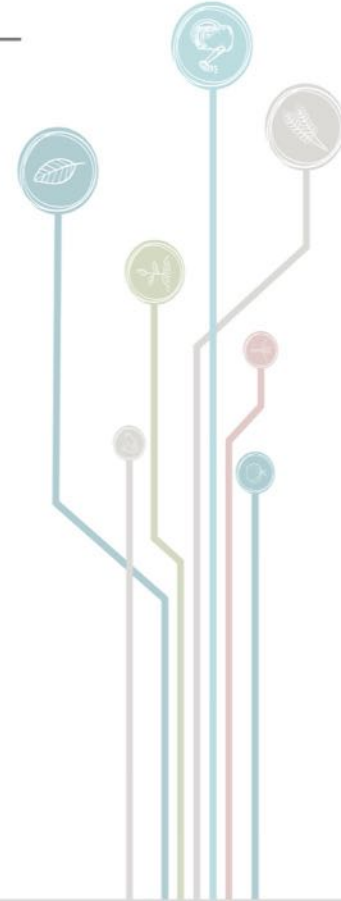
- promoting AGRIS;
- guiding eligible partners on joining the AGRIS Network;
- advising existing and potential organizations on submitting information of the resources (metadata); and
- coordinating capacity development activities.



Activities organized by Country Hubs

FAO supports and works closely with country hubs in the organization of local events and webinars to facilitate knowledge sharing. Some of the recent examples;

- State Agrarian University of Moldova organized a Round Table to encourage researchers and institutions in Moldova to use AGRIS not only as information consumers, but also as AGRIS data providers.
- The Institute Techinformi of Georgian Technical University gathered organizations from Albania, Bosnia and Herzegovina, Kosovo, Montenegro, Serbia, The Republic of North Macedonia, The Republic of Moldova, Ukraine, Georgia and Armenia for a two-day AGRIS & AGROVOC workshop.

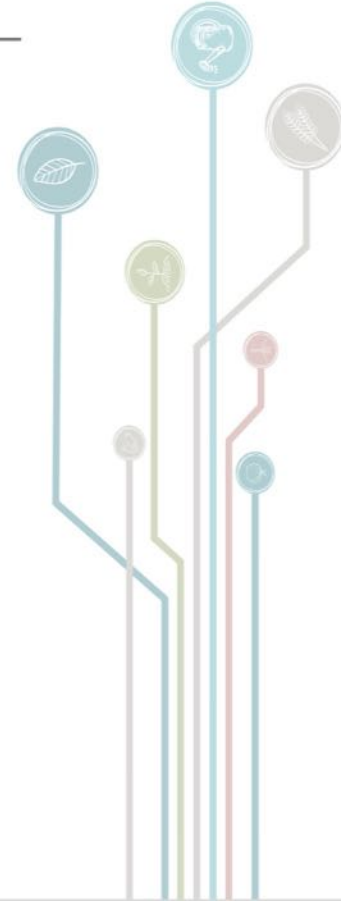


The AGRIS Network: Capacity development

Capacity development activities take place regularly in the Network, both in person and virtually, to strengthen collaboration among the members, create opportunities for knowledge sharing and build competencies.

Annual meetings, webinar sessions, community calls, guidelines and publications are the channels used for these capacity development activities.

Knowledge sharing, exchange of experience and learning from each other within the Network are the key elements of the AGRIS community.



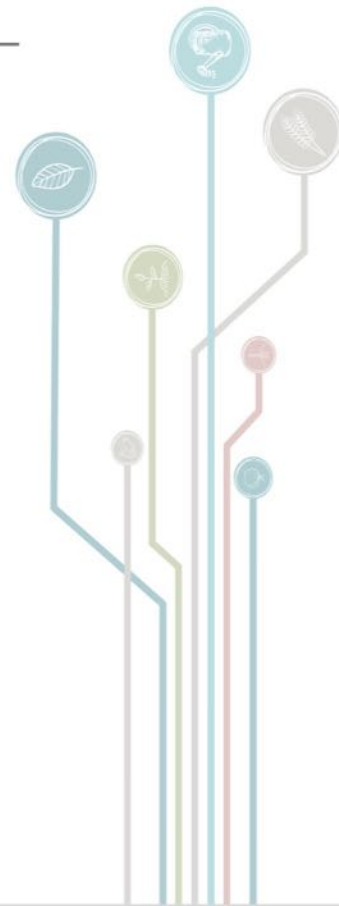
The AGRIS Network: Future plans in CapDev

FAO will channel its experience in online training programmes to increase knowledge sharing among the Network organizations.

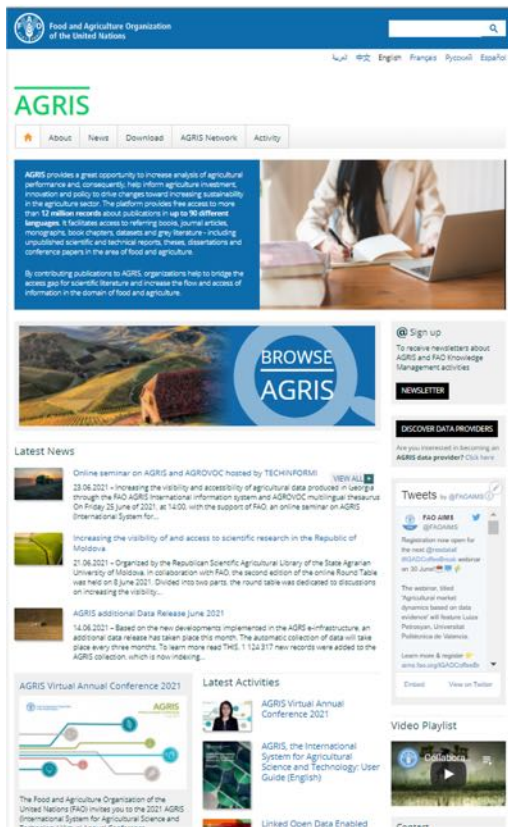
A new layer of capacity activities (capdev) is to be released in autumn 2021: focused, self-paced online training courses.

Topics will include effective use of AGRIS, enhancing metadata quality, and using vocabularies in digital collections.

The first programme will be piloted before the end of this year. Your feedback is important for further improvements.

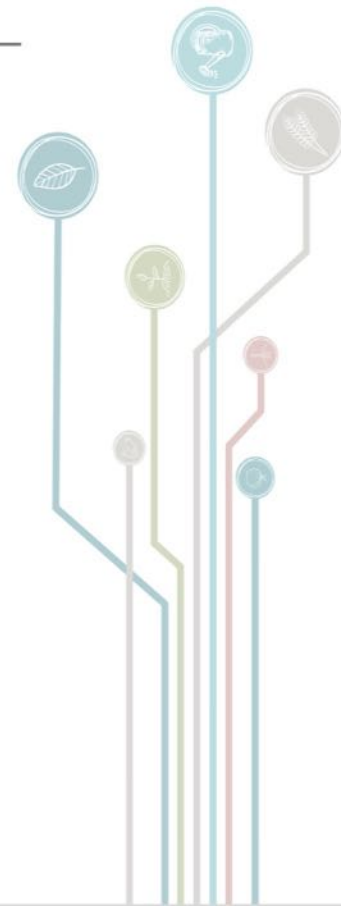


The AGRIS Network: Outreach and communication



The screenshot shows the AGRIS portal homepage. At the top is the FAO logo and the text 'Food and Agriculture Organization of the United Nations'. Below this is a search bar and a navigation menu with 'About', 'News', 'Download', 'AGRIS Network', and 'Activity'. The main content area features a large blue banner with the AGRIS logo and a description of the portal's purpose: 'AGRIS provides a great opportunity to increase analysis of agricultural performance and, consequently, help inform agricultural investment, innovation and policy to drive the green growth and sustainability in the agriculture sector. The platform provides free access to more than 12 million records about publications in over 70 different languages. It facilitates access to refereed books, journal articles, monographs, book chapters, datasets and grey literature - including unpublished scientific and technical reports, theses, dissertations and conference papers in the area of food and agriculture. By contributing publications to AGRIS, organisations help to bridge the access gap for scientific literature and increase the flow and access of information in the domain of food and agriculture.' Below the banner is a 'Browse AGRIS' button. The 'Latest News' section contains three articles: 'Online seminar on AGRIS and AGROVOC hosted by TECHNIFORMI', 'Increasing the visibility of and access to scientific research in the Republic of Moldova', and 'AGRIS additional Data Release June 2021'. The 'Latest Activities' section includes 'AGRIS Virtual Annual Conference 2021' and 'AGRIS, the International System for Agricultural Science and Technology: User Guide (English)'. At the bottom, there is a 'Video Playlist' section with a video player.

The AGRIS portal offers an environment for Network members to share their news and events with the wider community; to access guides and help pages to become a data provider or contribute, and to follow latest activities of AGRIS.



The AGRIS Network: Outreach and communication

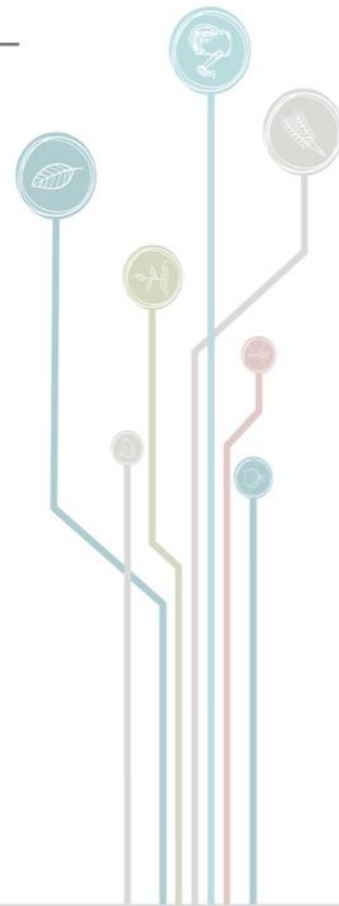
The image displays three overlapping screenshots of the AGRIS website, illustrating its outreach and communication features. Red arrows and circles highlight key elements:

- Top Left Screenshot:** Shows the main navigation bar with 'About', 'News', 'Download', 'AGRIS Network', and 'Activity'. A red circle highlights the 'Sign up' button, which is linked to a 'NEWSLETTER' subscription. Another red circle highlights the 'Browse AGRIS' button.
- Bottom Left Screenshot:** Shows the 'Latest News' section, which includes articles about online seminars and the AGRIS Virtual Annual Conference 2021. A red circle highlights the 'Latest Activities' section, which features a 'Video Playlist' of conference recordings.
- Top Right Screenshot:** Shows the 'Webinars' section, which lists upcoming events and provides a 'Sign up' button for each. A red circle highlights the 'Sign up' button.
- Bottom Right Screenshot:** Shows the 'Publications' section, which includes a search bar and a list of publications. A red circle highlights the 'Sign up' button.

Red arrows indicate the flow of information and user interaction across the website, connecting the 'Sign up' buttons to the 'Browse AGRIS' and 'Latest News' sections, and the 'Publications' section to the 'Sign up' button.

The AGRIS Network: Guides and publications

AGRIS partner organizations are provided guides and publications to help with submitting bibliographic records as well communicating with their local communities.



Join AGRIS DGroup to stay up-to-date

AGRIS News



Already a member of this community?

Ilkay.Holt@fao.org

☐

Remember me

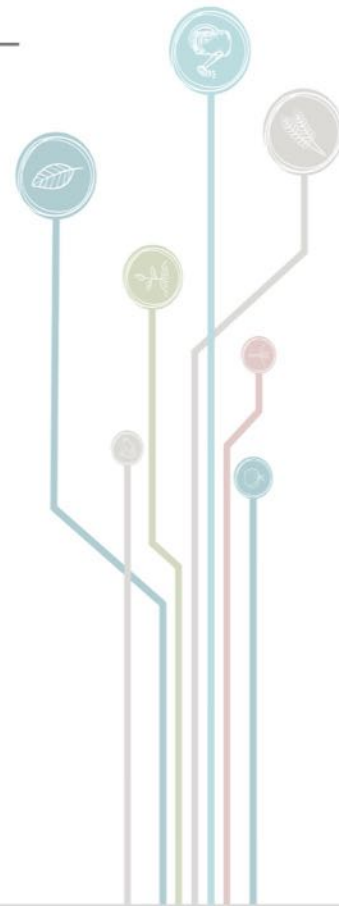
[Set new password](#)

Login

Not a member of this community?

Join now! It will take only 43 seconds of your time.

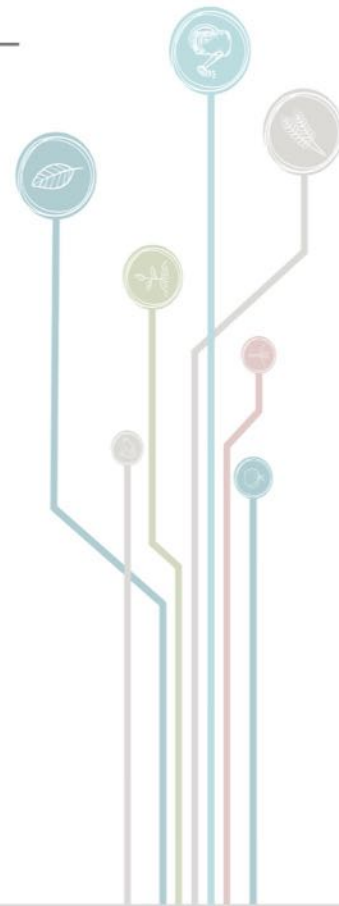
<https://dgroups.org/fao/agris>



Testimonial from Serbia

"...in Serbia, we primarily use AGRIS ... to share and spread scientific agricultural information from our country both in full text and metadata."

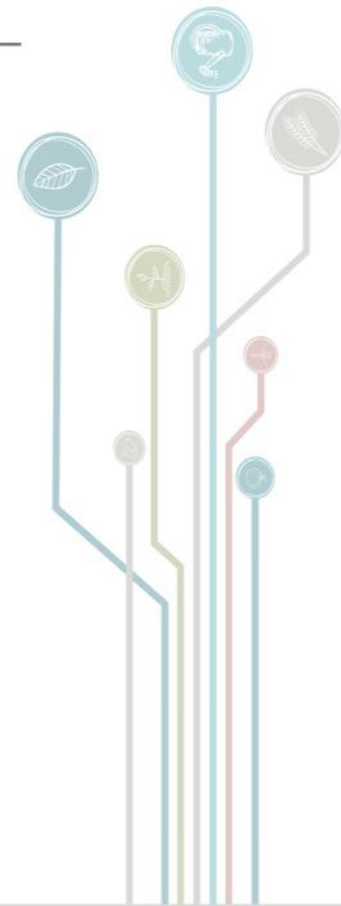
*Marina Djacic
Information Librarian
Matica Srpska Library (Serbia)*



Testimonial from Belarus

"AGRIS is a service that allows the import of ... global information in agricultural and food sciences for Belarusian scientists, specialists and practicals. At the same time, AGRIS is a service that allows the export of ... Belarusian scientific knowledge in the fields of agriculture, forestry, food and natural resources into the global information space."

*Veranika Babaryka-Amelchanka
Belarus Agricultural Library
National Academy of Sciences of Belarus (Belarus)*



Panellists Session 2



Ruth Velia Gómez - Director of the National Center for Agricultural Information and Documentation (CENIDA) of the National Agrarian University of Nicaragua.



Viorica Lupu - Deputy Director at the [Republican Scientific Agricultural Library of the State Agrarian University of Moldova](#).



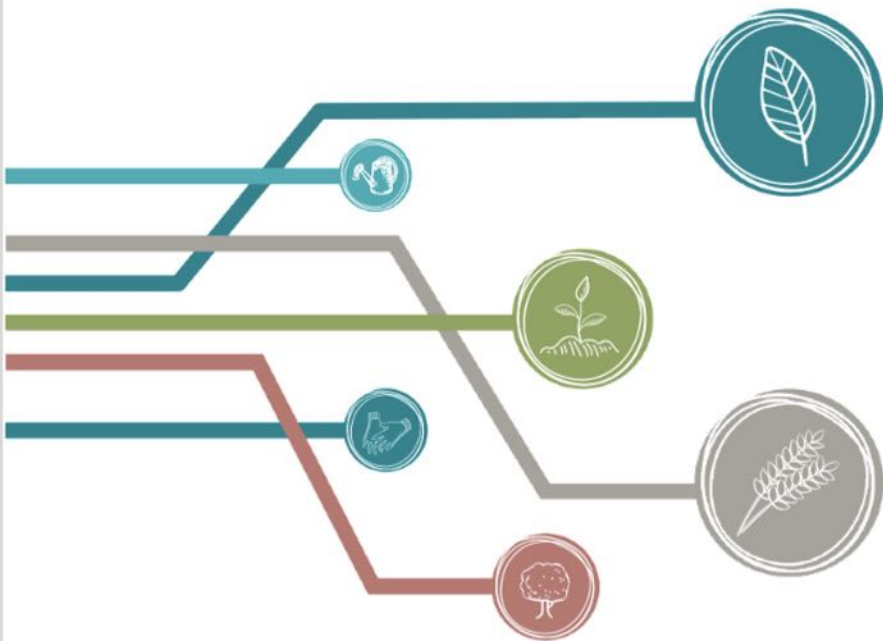


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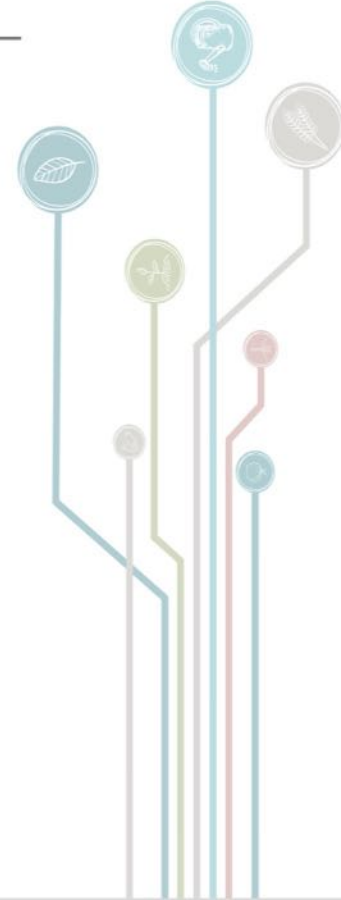


Session 3

Contributing to AGRIS

How to become a data provider?

Organizations that made available their collection of scientific literature and/or data through digital libraries, repositories and journals can apply for a registration as a data provider in the AGRIS Network.



Registration process

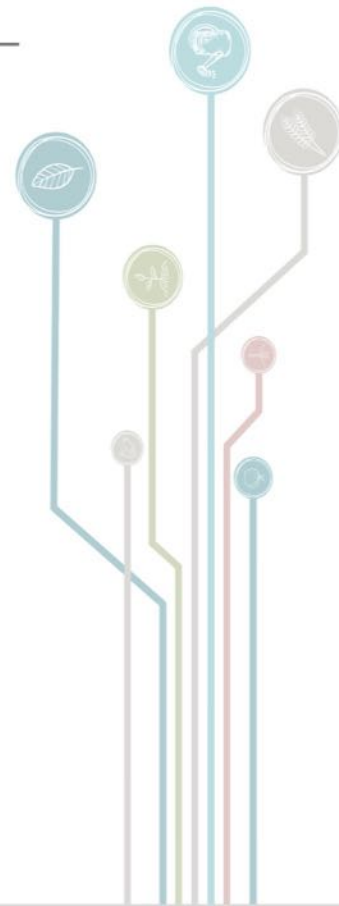
The organizations that wish to become data providers fill an online form and submit it.

Registration is confirmed within 2 working days.

Applications are reviewed based on the inclusion criteria and applicants are notified in 10 working days.

Upon acceptance, a public profile for the organization is created and the organization is added to the Data Provider Registry.

Full name of the organization*	Acronym or abbreviation
<input type="text"/>	<input type="text"/>
Description*	
<input type="text"/>	

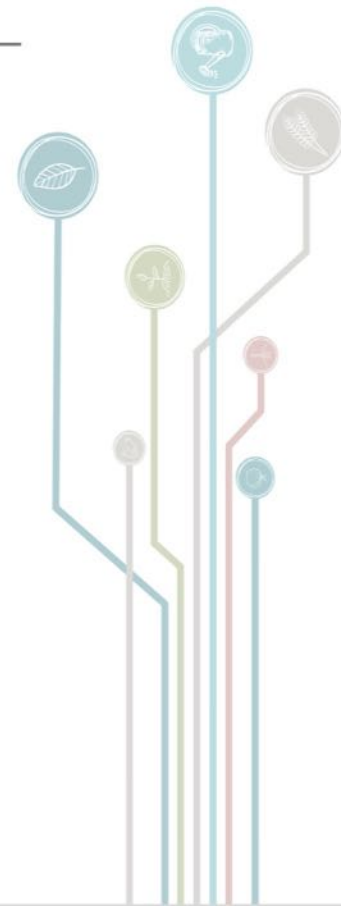


AGRIS Data Provider Registry

Data providers, organizations which contribute to the content of AGRIS with their resources are listed in the registry.

The registry has been improved significantly to give more visibility to the organizations with links to their relevant AGRIS activities

Search Data Provider	Country code (ARN)
<input type="text"/>	<input type="text"/>
Center code (ARN)	Country
<input type="text"/>	<input type="text" value="- Any -"/>
<input type="button" value="Q Search"/>	
www.fao.org/agris/data-providers	



Data provider's profile - an example

[Home](#) [About](#) [News](#) [Download](#) [AGRIS Network](#) [Activity](#)

Tbilisi, Georgia

Georgian Research Institute for Scientific Technical Information (TECHINFORMI)

TECHINFORMI is Georgia's central institute for scientific and technical information. Its activity covers the collection and analysis of information concerning R&D and innovations in Georgia, customer services in all branches of market research, organisation of scientific and business events, print & electronic publishing and translating scientific, technical and official documents.

Resource(s)

Library catalog

Type

Research

AGRIS ID

GE0

Website

<https://techinformi.ge/>


Status

Active

Open Data Set

This data provider participates in the AGRIS Open Data Set (ODS)

PUBLICATIONS




AGRIS, სოფლის მეურნეობის მეცნიერებისა და ტექნოლოგიების საერთაშორისო სისტემა (Georgian)

@ Sign up

To receive newsletters about AGRIS and FAO Knowledge Management activities


NEWSLETTER

Related Activities



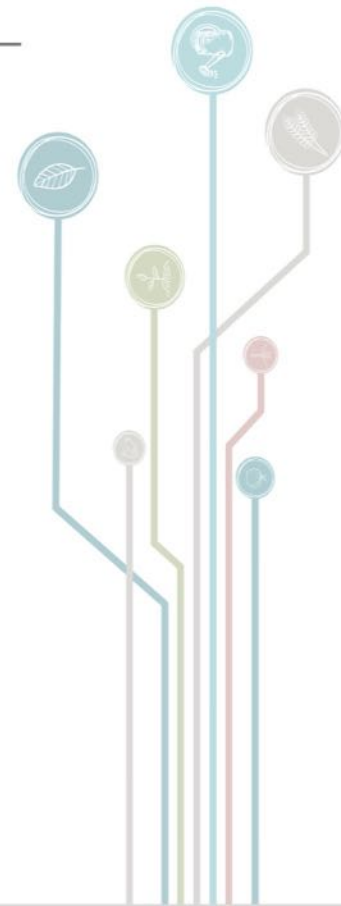
Online seminar on AGRIS and AGROVOC hosted by TECHINFORMI

BLOG - 23.06.2021



The Institute Techninformi of Georgian Technical University to Host Two-Day AGORA and AGRIS Workshop in 2020

BLOG - 17.12.2019



Data provider's activity status

Considering the high usage of AGRIS worldwide, having up-to-date content in AGRIS is critical in terms of providing end users with the latest publications and/or data produced by members of the AGRIS Network.

Recently, the status of providers has been introduced on the Data Provider Profile as well as in the data provider section of the individual metadata records in AGRIS.



Journal Article

Regarding specialization in vinery and wine production in agriculture.

Vinery and wine production is the leading sector of Georgia's agriculture. In 2018, natural wine worth of 200 million US Dollars was exported to 57 countries of the world. Georgia's vinery and wine production is acknowledged by UNESCO as non-material cultural heritage - because of uninterrupted production of wine in 'Kvevri' (large earthenware vessel used for the fermentation, storage and agei ...

SUBJECT :
agriculture; wine industry; unesco; food production; georgia

POSTED TO :
Bulletin of the Georgian Academy of Agricultural Sciences [1512-2743]

FULL TEXT AVAILABLE

Georgian Research Institute for Scientific Technical Information

Active 

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[Activity](#)

Tbilisi, Georgia

Georgian Research Institute for Scientific Technical Information (TECHINFORMI)

TECHINFORMI is Georgia's central institute for scientific and technical information. Its activity covers the collection and analysis of information concerning R&D and innovations in Georgia, customer services in all branches of market research, organisation of scientific and business events, print & electronic publishing and translating scientific, technical and official documents.

Resource(s)

Library catalog

Related Activities

Type
Research

AGRIS ID
GEO

Website
<https://techninformi.ge/>

Status
Active

Open Data Set
This data provider participates in the AGRIS Open Data Set (ODS)

PUBLICATIONS

AGRIS, სოფლის მეურნეობის მეცნიერებისა და განვითარების

Visibility of data providers' collections

AGRIS

AGRICULTURAL SCIENCE AND TECHNOLOGY INFORMATION

Find resources...



-- Select a language --

-- Country (Data Provider)--

-- Select resource type --

SEARCH

The AGRIS database contains 13,417,430 records - including 4,251 datasets - from 447 data providers

FILTER BY DATA PROVIDERS

Belarus

✓ Data Provider

National Academy of Sciences of Belarus

Browse

Reset

Show data providers list ^

https://agris.fao.org/agris-search/searchIndex.do?country=Belarus&dataProvider=BYO

Center Filter :

Belarus (National Academy of Sciences of Belarus) X

Results 1 - 10 of 16,800

Order By

Relevance

Descending

Search records from all Data providers

Data provider:



[National Academy of Sciences of Belarus](#)

Belarus Agricultural Library (BeAL) is the national information centre for agriculture, food and forestry. The Library was created by the decree of the Council of Ministers of Belarus in 1960. Now the Library is a part of the National Academy of Sciences of Belarus. Mission of the Library is to provide free access to the agricultural international and national information resources.



Journal Article

Efficiency of an adsorbent mikotoksin Mikolad to broiler chickens

Kolesen, V.P. et al. [2011]

In course of the research there was studied feeding efficiency of an adsorbent mikotoksin Mikolad for toxic load decrease of broiler-chickens. The research was realized in the conditions of the Republic of Belarus in the Grodno State Agrarian University. The research of mixed fodders about mycotoxin content was realized in the Central research laboratory of cereal products. As a result of real ...

SUBJECT:

belarus; ba[ilrus; mycotoxins; aditivos de pienso; micotoxinas

POSTED TO:

Current Problems of Intensive Development of Animal Husbandry : collection of scientific papers [2079-6668]

FULL TEXT AVAILABLE

- A
- [Agriculture University of Tirana \(\) - Albania](#)
- B
- [Bangladesh Agricultural University \(BAU\) - Bangladesh](#)
- C
- [Centre for Research and Development on Information Technology and](#)

Content strategy of AGRIS

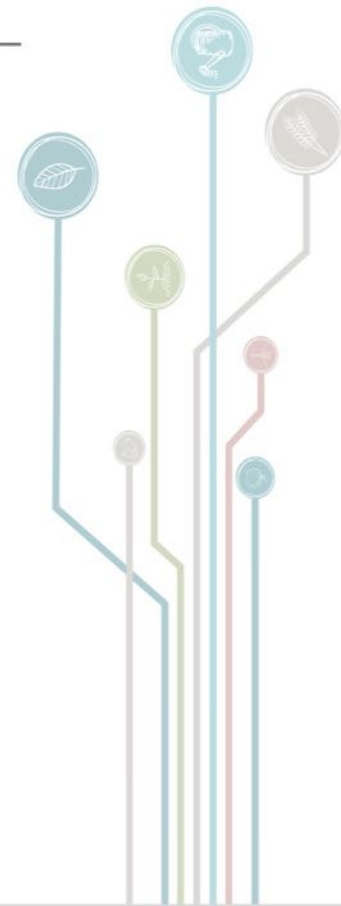
Moving from unique repositories to a range of types of information resources: from focusing on library information systems to any automated way to expand the content collection with new items.

New content types: like *Datasets* have been integrated in the last years.

Focusing on quality: pertinent content is the preference, despite the fact that some items might be found that are slightly outside of the scope of AGRIS. In these cases, please let us know!

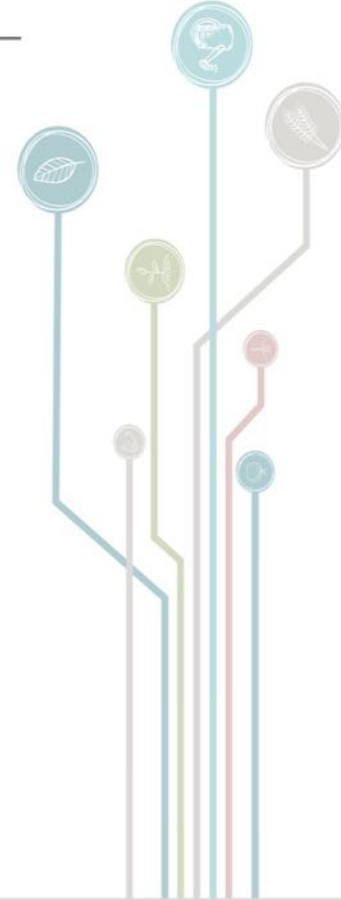
Collaborating with data providers: rather than expanding the collaborative network with service providers, AGRIS focuses on primary sources.

Full text: preferably, bibliography records should provide links to the full text.



Types of resources

- Journal articles
- Monographs
- Books
- Book chapters
- Conference proceedings, papers
- Grey literature
 - Theses and dissertations
 - Working papers
 - Technical reports etc.
- Datasets

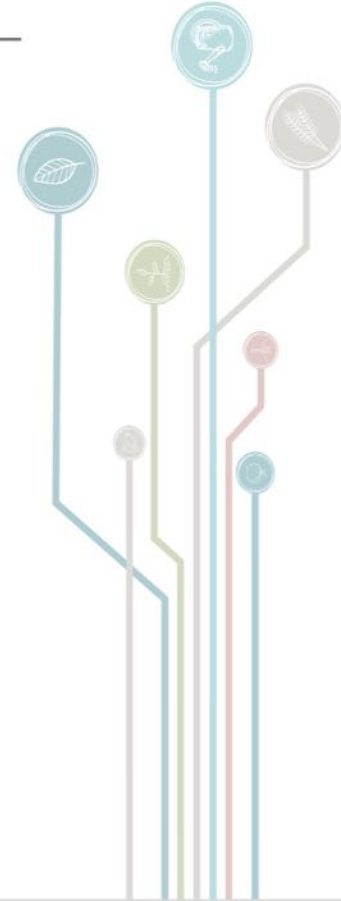


Multilinguality in AGRIS

Large number of languages represented in AGRIS as a result of indexing bibliographic records in local languages from all over the world.

Diversity in terms of representation of languages other than only English is an important value which AGRIS strongly endorses in scholarly communication.

Using AGROVOC, multilingual thesaurus and controlled vocabulary, in the infrastructure of AGRIS helps the discoverability of the content in number of languages.

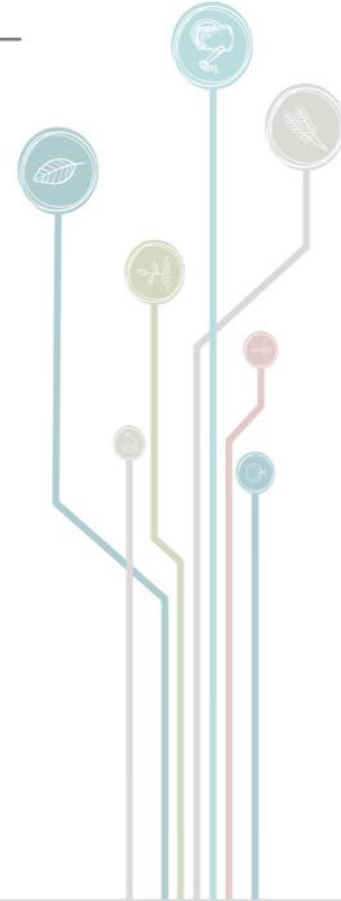


How AGROVOC helps discoverability?

Full potential of a globally-distributed participatory information system can only be realized if every contributor applies certain standards, including using accepted language and terminology.

AGROVOC, a multilingual thesaurus, helps to provide a common vocabulary for food and agriculture worldwide and, currently enables users to work with more than 39 000 relevant agricultural concepts across 40 languages.

Consequently, AGROVOC allows AGRIS to transcend technical, geographical, political and lingual boundaries.

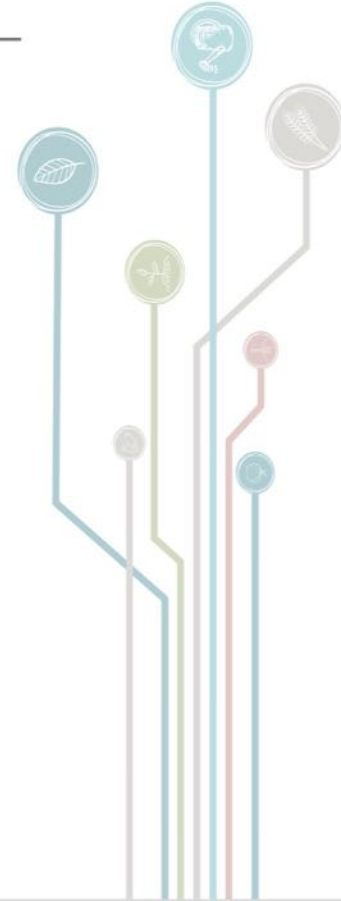


Ways to submit the information to AGRIS

It can be managed both manually and automatically in AGRIS based on the capabilities of the data provider's information system.

Data providers can submit their bibliographic records to AGRIS:

- via email;
- through manual upload data service; and
- through automatic IT protocols.

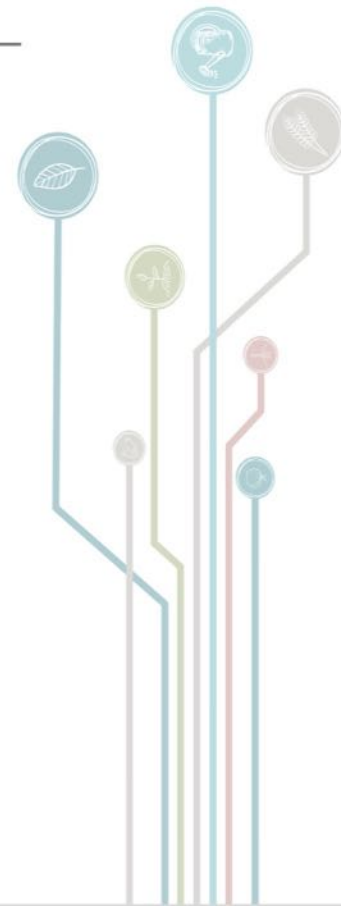


Data release in AGRIS

AGRIS content is updated periodically.

New bibliographic records received via email are released monthly, while automatically harvested resources are indexed quarterly.

AGRIS accepts new data submissions until the last working day of the month to be included in the monthly release.



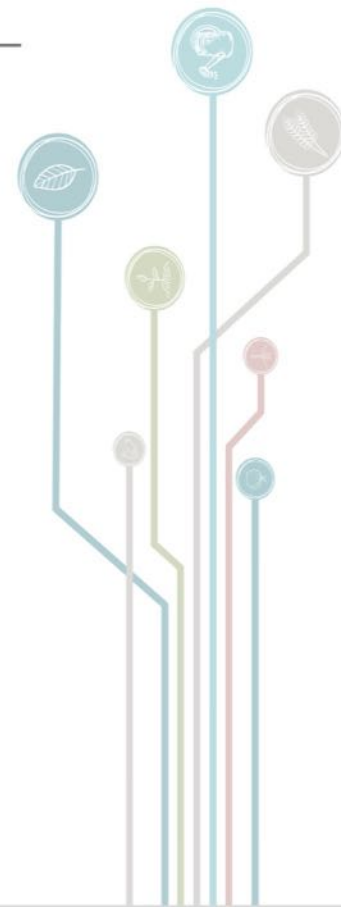
The AGRIS Database

Any user can access AGRIS at <http://agris.fao.org>

AGRIS indexes bibliographic references but does not store the full text articles.

Resources submitted before 2010 may not have the link to the full text.

For records without a link to the full text, it is recommended that the user contact the data provider directly to ask for an electronic copy of the resource.



AGRIS search

AGRIS

AGRICULTURAL SCIENCE AND TECHNOLOGY INFORMATION

Find resources...



-- Select a language --



-- Country (Data Provider)--

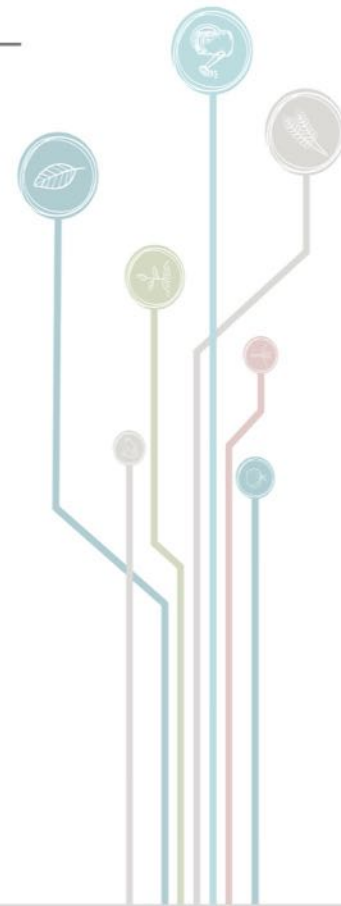


-- Select resource type --



SEARCH

The AGRIS database contains 13,417,430 records - including 4,251 datasets - from [447 data providers](#)



Simple search

Searching in AGRIS is very simple. To start the search, the user can type any keywords related to a topic, author names, or title into the search box.

As the user types in the search box, suggested terms, which are optional, will appear.

The screenshot shows the AGRIS website interface. At the top is a blue header with the FAO logo and the text 'Food and Agriculture Organization of the United Nations' and 'AGRIS'. Below the header is a navigation bar with links for 'About AGRIS', 'Contribute', 'Services', 'Acceptable use policy', and 'Contact Us'. The main content area features the AGRIS logo and the title 'AGRICULTURAL SCIENCE AND TECHNOLOGY INFORMATION'. Below this is a search box with the placeholder text 'Find resources...'. To the right of the search box are three dropdown menus: 'Select a language --', 'Country (Data Provider)--', and 'Select resource type --'. Below these menus is a green 'SEARCH' button. At the bottom of the main content area, a line of text states: 'The AGRIS database contains 13,417,430 records - including 4,251 datasets - from 447 data providers'. Three red arrows point from callout boxes below to specific elements: one to the language dropdown, one to the search button, and one to the database statistics line.

Users can select the language of the records, country where data provider located and type of resources

Current number of the records and data providers are displayed at the bottom

It can be displayed in English, Spanish, French, Arabic, Chinese and Russian.

Results page

The results page displays the initial search results in the main column of the page.

The ten results on each page are displayed with an icon that reflects the type of literature indexed.

The screenshot displays the AGRIS search results page. At the top, the header includes the FAO logo, the text 'Food and Agriculture Organization of the United Nations', the 'AGRIS' logo, and a home icon. Language options (English, Español, Français, العربية, 中文, Русский) are on the right. The left sidebar contains 'Content types' (Bibliography, Book, Conference, Dataset, Journal Article, Thesis, Other) and 'Filters' (Records that contain explicit links to the full text, Include records from aggregators, Publication Date, Multilingual search). Below the sidebar is a list of 'Top 10 AGROVOC keywords for this result' including Crop Yield, Genetic Resource, Growth, Hybrid, Maize, Plant Genetic Resource For Food And Agriculture, Silage, Varieties, Yields, and Zoo Mays. The main content area shows a search bar with 'maize', dropdowns for language and country, and a 'SEARCH' button. Below the search bar, it indicates 'Results 1 - 10 of 274,029' and 'Order By Relevance Descending'. The first result is 'Variation in phosphorus acquisition efficiency among maize varieties as related to mycorrhizal functioning' by Wang, X.X. (2016), from Wageningen University & Research. The second result is 'Maize revolutions in Sub-Saharan Africa' by Smalle, Melinda et al. (2011-05-01), from the World Bank. Each result is preceded by a 'Written Paper' icon.

A bibliographic record

Individual AGRIS results contain the title, author(s), publication date, an abstract, and information about the data provider.

Above the title, the name of the data provider is linked to a website (if available).

The screenshot displays a bibliographic record on the AGRIS website. At the top, the AGRIS logo and a search bar are visible. The record is for a journal article titled "Maize-grain legume intercropping is an attractive option for ecological intensification that reduces climatic risk for smallholder farmers in central Mozambique [2012]". The authors listed are Rusinamhodzi L., Corbeels M., Nyamangara J., and Giller K.E. The abstract describes a study in central Mozambique aimed at improving food security and income by evaluating maize-legume intercropping. It details the experimental design, including different fertiliser treatments and intercropping strategies, and reports on grain yields and land equivalent ratios (LER). The abstract concludes that intercropping was more productive than sole crops and that the LER for within-row intercropping ranged between 1.1 and 2.4, while for distinct-row intercropping it ranged between 1.0 and 1.9. The average maize yield penalty for intercropping was small (8%) compared with 50% in the distinct-row design.

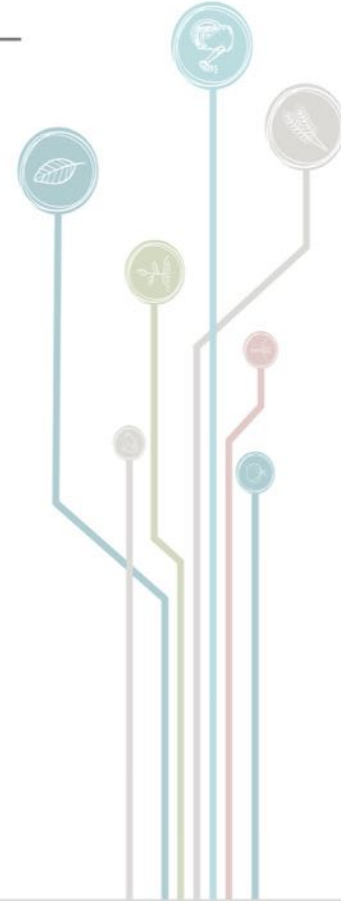
Key features of the record include:

- Data provider:** Centre de coopération internationale en recherche agronomique pour le développement. This section is linked to the provider's website.
- Access the full text:** Buttons for "Link", "Lookup at Google Scholar", and "Save as:" (AGRIS AP, RIS, EndNote).
- From the journal:** Field crops research.
- Bibliographic information:** Type: Journal Article; In AGRIS since: 2013; Volume: 136; Extent: 12-22; All titles: "Maize-grain legume intercropping is an attractive option for ecological intensification that reduces climatic risk for smallholder farmers in central Mozambique" @eng.
- AGROVOC Keywords:** crop yield, extensification, Zea mays, intercropping, Pennisetum glaucum, intensification, Vigna unguiculata, Sorghum bicolor.

New developments to improve discoverability

- Improvements to the search functionalities
- Enhance quality of current bibliographic records
- Better usability
- More visibility of AGRIS data providers
- Better connection with AGROVOC

Continue to carefully listen the demands from the AGRIS Network organizations.



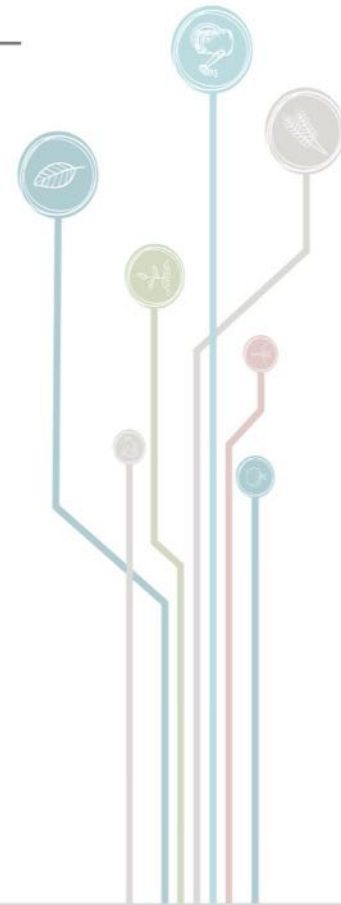
Panellists Session 3



Lidia Pirumova - Deputy Director for Science at the Central Scientific Agricultural Library, Russian Federation.



Onan Mulumba - Head of agricultural libraries at Makerere University, Uganda.



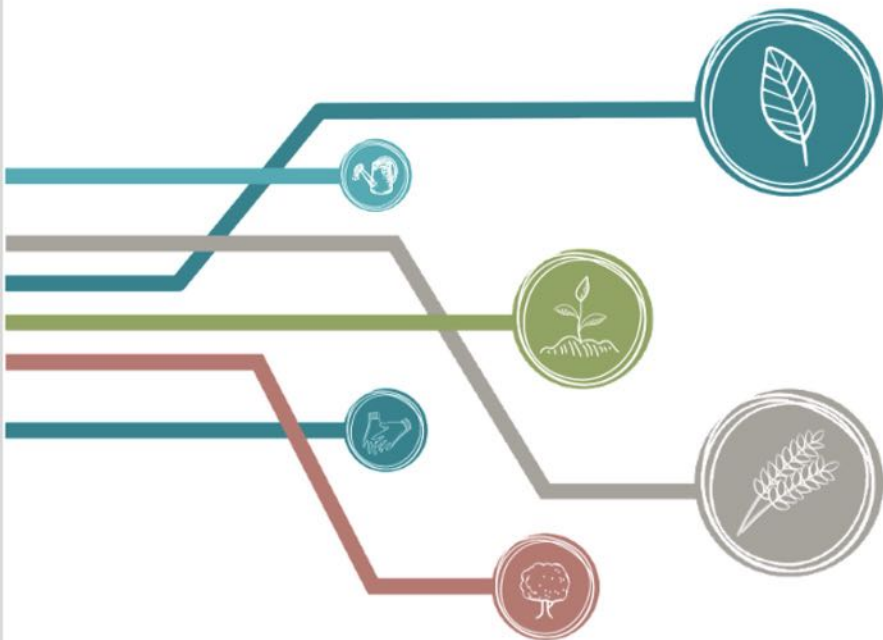


Food and Agriculture Organization
of the United Nations

AGRIS

Agricultural Science and Technology Information

www.fao.org/agris



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AGRIS@fao.or

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