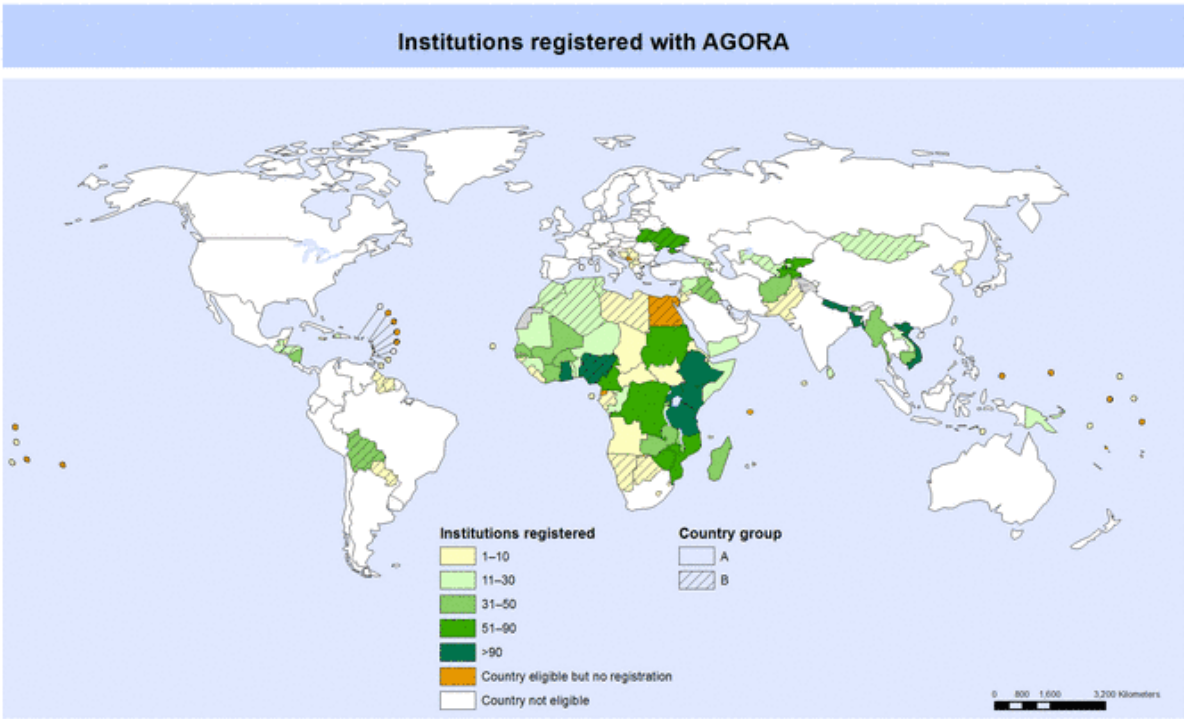


IUFoST Scientific Information Bulletin (SIB)  
 September 2018

## Free Access to Scientific Information and Research

One of the inhibitors to research in food science and technology (FST) in some countries is access to the literature. Fortunately, primarily through the United Nations, several websites have been developed to provide free access to scientific literature. The purpose of this Scientific Information Bulletin is to provide links to these websites. The information contained here is taken directly from the websites themselves. The figure below identifies by country the number of institutions in that country with access to these sources through the website, “Access to Global On-Line Research in Agriculture” (AGORA). In each website, an institution can register for free access. Note that several of the websites are available in seven languages. IUFOST is pleased to support research in FST by providing this information.



The boundaries and names shown and the designations used on this map do not imply the expression of any opinion whatsoever on the part of the World Health Organization concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. Dotted and dashed lines on maps represent approximate border lines for which there may not yet be full agreement.

Data Source: World Health Organization  
 Map Production: Information Evidence and Research (IER)  
 World Health Organization



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## **Access to Global Online Research in Agriculture (AGORA)**

<http://www.fao.org/agora/en/>

Arabic, Chinese, English, French, Portuguese, Russian, Spanish

The AGORA programme, set up by the Food and Agriculture Organization of the UN (FAO) together with major publishers, enables developing countries to gain access to an outstanding digital library collection in the fields of food, agriculture, environmental science and related social sciences. AGORA provides a collection of up to 10,000 key journals and up to 26,500 books in more than 115 countries. AGORA is designed to enhance the scholarship of the many thousands of students, faculty and researchers in agriculture and life sciences in the developing world. AGORA is one of the five programmes that make up Research4Life: AGORA, HINARI, OARE, ARDI and GOALI.

### **What are Hinari, OARE, ARDI and GOALI?**

Hinari, OARE, ARDI and GOALI are parallel initiatives facilitating access to online journals which are closely coordinated with AGORA. Hinari is administered by the World Health Organization (WHO), and OARE by the United National Environment Programme (UNEP). ARDI is administered by the World Intellectual Property Organization (WIPO). GOALI is administered by the International Labour Organization (ILO).



### **Research4life**

<https://www.research4life.org/>

English, French

Research4Life is a public-private partnership of the WHO, FAO, UNEP, WIPO, ILO, Cornell and Yale Universities, the International Association of Scientific, Technical & Medical Publishers and individual international scientific publishers. The goal of Research4Life is to reduce the knowledge gap between high-income countries and low- and middle-income countries by providing affordable access to critical scientific research. Hinari, AGORA, OARE, ARDI and GOALI are providing researchers in low- and middle-income countries with free or low-cost online access to leading journals and books in the fields of health, agriculture, environment, applied sciences and law.

Research4Life is designed to enhance the scholarship, teaching, research and policy-making of the many thousands of students, faculty, scientists, and medical specialists, focusing on Health, Agriculture, Environment and other life, physical and social sciences in the developing world, through free or low-cost access to academic and professional peer-reviewed content online.



## **Hinari Access to Research for Health programme**

<http://www.who.int/hinari/en/>

Arabic, Chinese, English, French, Portuguese, Russian, Spanish

Launched in 2002, Hinari Access to Research in Health programme is managed by the World Health Organization (WHO) in partnership with Yale University Library and up to 150 publishers. Hinari provides access to up to 13,500 journals, up to 60,000 e-books, and up to 110 other information resources. The journals can be searched through a special version of PubMed (Medline), and other article indexes.

Hinari Programme set up by WHO together with major publishers, enables low- and middle- income countries to gain access to one of the world's largest collections of biomedical and health literature. Up to 13,500 journals (in 45 different languages), up to 60,000 e-books, up to 110 other information resources are now available to health institutions in more than 115 countries, areas and territories benefiting many thousands of health workers and researchers, and in turn, contributing to improve world health.



## **OARE - Access to Research in the Environment**

<https://www.unenvironment.org/explore-topics/environment-under-review/what-we-do/information-management/online-access-research>

English

The OARE programme enables academic, research and government institutions in developing countries to gain free or low-cost access to an impressive body of research in the environment and related fields. Set up by the United Nations Environment Programme in 2006 together with Yale University and major scientific publishers, OARE provides access to a collection of up to 11,500 scientific journals, 27,000 e-books, 40 databases and other information resources in 118 countries.

OARE is designed to bridge the knowledge gap between developing countries and the industrialized world, and to build the capacity of researchers and experts to facilitate the development of science-driven policies for a sound management of the environment.

OARE is part of the Research4Life partnership, together with four other sister programmes with similar objectives: Hinari, AGORA, ARDI and GOALI.

Launched in 2006, OARE (Online Access to Research in the Environment) is managed by the United Nations Environment Programme (UNEP) in partnership with Yale University and up to 60 publishers.

OARE provides access to up to 11,500 journals, up to 27,000 e-books, and up to 40 other information resources in a wide range of disciplines contributing to our understanding of the natural environment, including environmental toxicology and pollution, zoology, botany, ecology, environmental chemistry,

geology, hydrology, oceanography, meteorology, climatology, geography, environmental economics, environmental law and policy, conservation policy and planning, environmental biotechnology, environmental engineering, energy, and many other disciplines.

# ARDI

Research for Innovation

## **ARDI - Access to Research for Development and Innovation**

<http://www.wipo.int/ardi/en/>

Arabic, Chinese, English, French, Portuguese, Russian, Spanish

Launched in 2009, ARDI (Access to Research for Development and Innovation) is coordinated by the World Intellectual Property Organization together with its partners in the publishing industry with the aim to promote the integration of developing and least developed countries into the global knowledge economy, allowing them to more fully realize their creative and innovative potential. ARDI provides over 1,000 institutions access to up to 7,500 journals, up to 22,000 e-books, and up to 25 other information resources. By improving access to scholarly literature from diverse fields of science and technology, the ARDI programme is designed to reinforce the knowledge infrastructure in developing and least developed countries and to support researchers in these countries in creating and developing new solutions to technical challenges faced on a local and global level.

The Access to Research for Development and Innovation (ARDI) program, coordinated by WIPO together with its partners in the publishing industry, aims to increase the availability of scientific and technical information in developing countries. By improving access to scholarly literature from diverse fields of science and technology, ARDI seeks to:

- reinforce the capacity of developing countries to participate in the global knowledge economy; and
- support researchers in developing countries in creating and developing new solutions to technical challenges faced on a local and global level.

Currently, over 100 publishers provide access to around 30,000 journals, books and reference works for 120 developing countries and territories through ARDI.



## **GOALI - Access to Research for Global Justice**

[http://www.ilo.org/goali/WCMS\\_588687/lang--en/index.htm](http://www.ilo.org/goali/WCMS_588687/lang--en/index.htm)

English, French, Russian, Spanish, Portuguese

Launched in 2018, GOALI (Global Online Access to Legal Information) is a new programme that provides free or low cost online access and training to law and law-related content in eligible institutions in low- and middle-income countries. GOALI is coordinated by the International Labour Organization (ILO) and its partners, Brill Nijhoff, as founding publisher and initiator of the programme, the International Training Centre of the ILO, Lillian Goldman Law Library at Yale Law School and the Cornell Law School Library as academic partners. The aim of GOALI is to improve the quality of legal research, education

and training in low- and middle-income countries, and in turn strengthen legal frameworks and institutions and further the rule of law.

### **Are there other initiatives for accessing online journals?**

In addition to AGORA, Hinari, OARE, ARDI and GOALI, there are several other programmes that allow users from developing countries to access online journals free or low-cost. These include the Programme for the Enhancement of Research Information (PERI) managed by the International Network for the Availability of Scientific Publications; TEEAL (The Essential Electronic Agricultural Library), managed by Cornell University's Mann Library; Electronic Information for Libraries (eIFL); and the Free Access to Developing Economies programme from HighWire.

### **How does a publisher have its publications included on the AGORA User Portal?**

The main requirements for inclusion are that the publications be in the field of agriculture and life sciences (broadly defined), be peer-reviewed, and that they be available online in their full text version. Please write to agoracontent at [www.research4life.org](http://www.research4life.org) for further details on submitting publications to AGORA.

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The International Union of Food Science and Technology (IUFOST) is the global scientific organisation representing more than 300,000 food scientists and technologists from over 75 countries. IUFOST is a full scientific member of ICSU (International Council for Science) and it represents food science and technology to international organizations such as WHO, FAO, UNDP and others.

IUFOST organises world food congresses, among many other activities, to stimulate the ongoing exchange of knowledge and to develop strategies in those scientific disciplines and technologies relating to the expansion, improvement, distribution and conservation of the world's food supply.

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