

# **AGROVOC and COVID-19**

9 September 2020

NKOS Consolidated Workshop 2020 Terminology Development and KOS Mapping

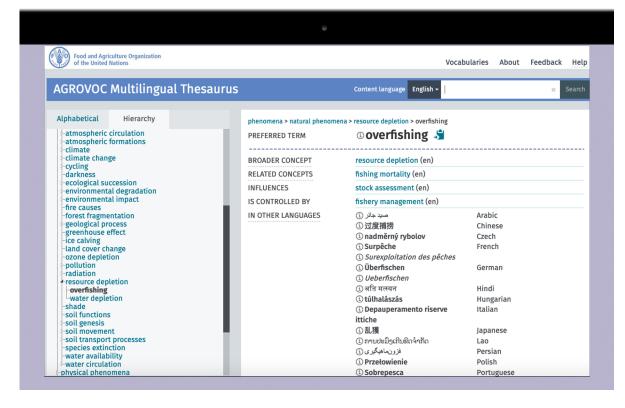


#### **AGROVOC**

It is a **controlled vocabulary** covering all areas of interest of FAO. Most used thesaurus in food and agriculture and related sciences in the world.

Promotes **consistency** in preferred terms, and the assignment of the same terms to similar content.

Is used to **tag and index** publications, articles and datasets, to make it **easier** for researchers **to find information** and **semantic links**.

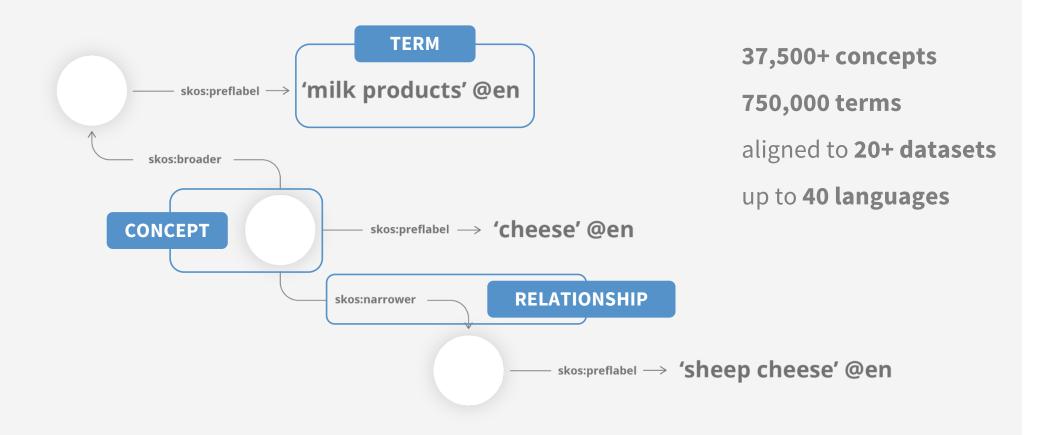


### Based on a Concept Model





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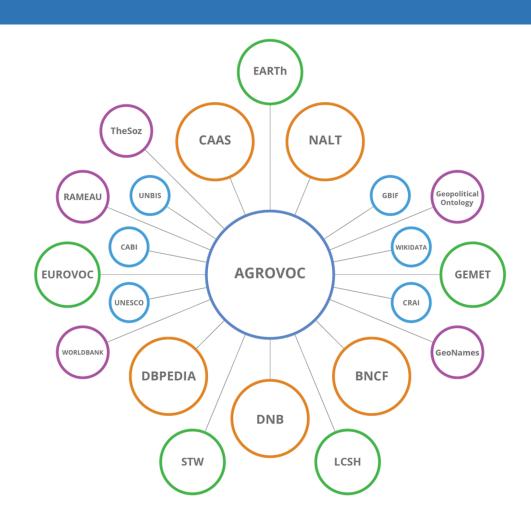


### Linked Open Data

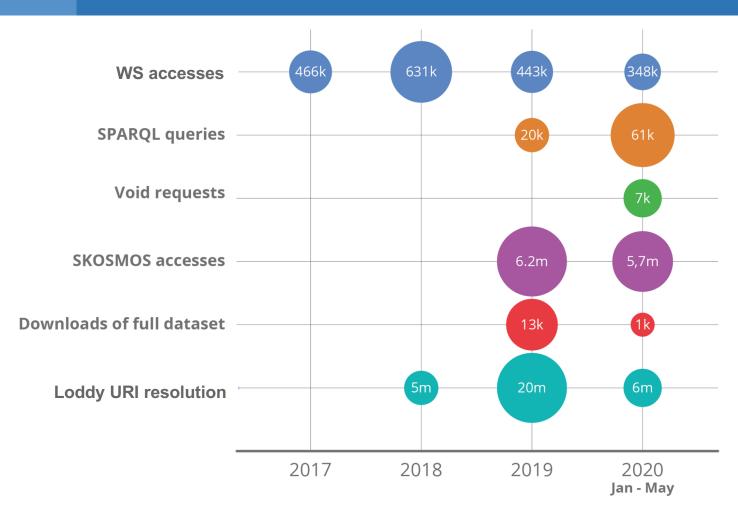
Linked Data is **structured data** which is interlinked with other data becoming more useful through semantic queries.

When data can be **freely used** and **distributed** by anyone (subject only to the requirement to attribute and sharealike), it is called Open Data

AGROVOC **thesaurus content** in English, Russian, French, Spanish, Arabic and Chinese is now released under the international licence CC BY IGO 3.0



# AGROVOC usage statistics





# AGROVOC: Up to 40\* languages

Arabic	Finnish	Khmer	Polish	Telugu
Burmese	French	Korean	Portuguese and	Thai
Catalan	Georgian	Lao	Brazilian Portuguese	Turkish
Chinese	German	Latin	Romanian	Ukrainian
Czech	Greek	Malay	Russian	Vietnamese
Danish	Hindi	Norwegian	Serbian	AGROVOC
Dutch	Hungarian	bokmål	Slovak	PT AR CF
English	Italian	Norwegian	Spanish	DA TR UK RO MY
Estonian	Japanese	nynorsk -	Swahili	IT ES FA ZH TT
		Persian	Swedish  From 150 to 999 terms  From 100 to 9 999 terms	RU FR HI NN SS
			O From 1 000 to 9 999 terms	

<sup>\*</sup>Min 150 terms. Coverage depends on editor network. More languages in system.



### AGROVOC Editorial Partners



**30** active partners

25 different countries



### AGROVOC Editorial Partners

- Chinese Academy of Agricultural Sciences (China)
- Czech General Institute of Agricultural Economics and Information (Czech Republic)
- Iranian Research Institute for Scientific Information and Documentation (Iran)
- CIRAD (France)
- TECHINFORMI (Georgia)
- Gödöllo Agribusiness Centre (Hungary)
- Indian Institute of Technology Kanpur (India)
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- Department of Training, Extension and Publications, Ministry of Food Agriculture and Livestock (Turkey)
- Ukrainian Institute for Scientific, Technical and Economic Information (Ukraine)
- Kuratorium für Technik und Bauwesen in der Landwirtschaft e. V. (KTBL) and Leibniz-Informationszentrum Lebenswissenschaften and BonaRes Centre for Soil Research (Germany)
- Aquatic Sciences and Fisheries Abstracts (ASFA) and FAOLEX (FAO)
- Land Portal Foundation (LPF)
- International Center for Agricultural Research in the Dry Areas (ICARDA)
- Belarus Agricultural Library, National Academy of Sciences (Belarus)



#### Content comes from network



The AGROVOC editor network suggests new concepts, terms and definitions.

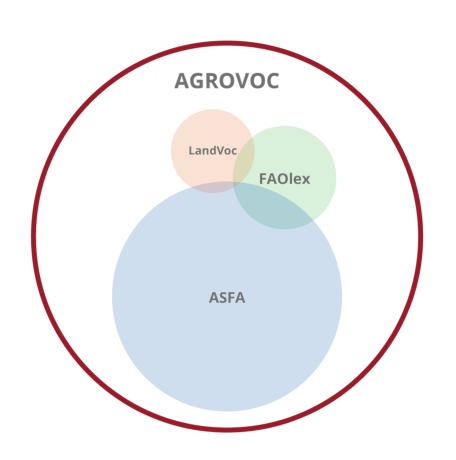
Editors represent an institution. Work done on **volunteer** basis.

Editors may manage a language, and/or a topic, like soil, fisheries, or land governance. Some have an expert network contributing.

Distributed editing, shared online platform (VocBench) at University of Rome Tor Vergata. Discussions often needed. Suggestions also welcome by email.



### New: Specialized schemes



Sub-vocabularies like LandVoc, ASFA and FAOLEX concepts are now part of AGROVOC. These can have different hierarchies, but **shared infrastructure**, so concepts use the same AGROVOC **unique resource identifier (URI)**, **translations and definitions.** 

Curation not only of a language but a **subject**: aquatic sciences and fisheries, land governance, law and policies.

### AGROVOC and COVID-19 Pandemic

The Coronavirus Disease 2020 pandemic is a global health crisis, and FAO is playing a role in assessing and responding to its potential impacts on people's life and livelihoods, global food trade, markets, food supply chains and livestock.

Data-driven decision making is essential to drive further research, support ongoing investigations and share critical knowledge.

Controlled vocabularies like AGROVOC play a small but important part in ensuring that data and research are accessible, also across languages.

New concepts suggested by AGROVOC editors but also others.



# Request for COVID-19 concepts

Sent: 31 March 2020 23:11

**To:** Agrovoc < <u>Agrovoc@fao.org</u>>

Subject: COVID-19 related keywords

Will the next update of AgroVoc have any COVID-19 related keywords. I know Coronavirus is one, but as the disease takes up more and more attention, will you be adding the keywords specific to this kind of coronavirus?

Thank you,



# April: First COVID-19 concepts added

AGROVOC added 25 new concepts related to the current world health crisis in an extra release on 10 April 2020.

These included entries for coronavirus disease (alternative term COVID-19) and severe acute respiratory syndrome coronavirus 2 (alternative SARS-Cov-2).





# Adding COVID-19 concepts





Home / Emergencies / Diseases / Coronavirus disease (COVID-19) / Technical guidance /

Naming the coronavirus disease (COVID-19) and the virus that causes it



**Section navigation** 

Naming the coronavirus disease (COVID-19) and the virus that causes it

Official names have been announced for the virus responsible for COVID-19 (previously known as "2019 novel coronavirus") and the disease it causes. The official names are:

#### Disease

coronavirus disease (COVID-19)

#### Virus

severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2)

WHO announced "COVID-19" as the name of this new disease on 11 Feb 2020, following guidelines developed with OIE and FAO.

Viruses are named by the International Committee on Taxonomy of Viruses (ICTV). Diseases are officially named by WHO in the International Classification of Diseases (ICD).



### International Classification of Diseases



Volume 3 with Addition of suspected COVID-19 – April 2020 ICD-11 – ALL INDEX TERMS

- COVID-19
- 2019-new Coronavirus acute respiratory disease
- 2019-nCoV acute respiratory disease [temporary name]
- Coronavirus disease 2019
- Suspected COVID-19

Look for trusted authorities: for concepts and translations.

WHO's International Classification of Diseases April 2020: **Coronavirus disease 2019**. AGROVOC updated accordingly.



# Adding COVID-19 concepts

Concepts need to be within scope of AGROVOC: agriculture, fisheries, forestry, food safety, food security, policies.

Yes: MERS, SARS, movement restrictions, agent-based models, non-pharmaceutical interventions, viral shedding, supply chain disruptions.

No: intensive care, ventilators, mortgage holiday

non-pharmaceutical interventions	Non-pharmaceutical interventions (NPIs, also known as non- pharmacological interventions) include all measures or actions, other than the use of vaccines or medicines, that can be implemented to slow the spread of iinfluenza [and other illnesses] llnesses in a population.
physical distancing (alttterm social distancing)	Social distancing, or physical distancing is a set of non- pharmaceutical interventions or measures taken to prevent the spread of a contagious disease by maintaining a physical distance between people and reducing the number of times people come into close contact with each other.
hand washing (altterm hand hygiene)	Hand washing (or handwashing), also known as hand hygiene, is the act of cleaning one's hands for the purpose of removing soil, grease, microorganisms, or other unwanted substances.
movement restrictions	Limitation on the movements of a person or animal who has or is suspected of having an infection. Used as a public health and veterinary health measure.



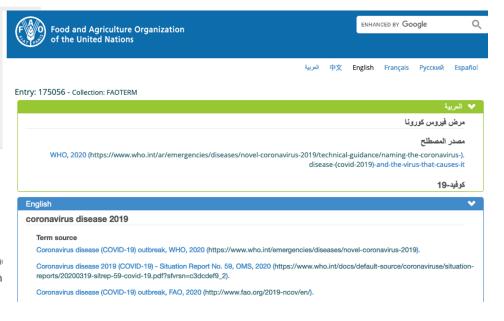
# Adding COVID-19 translations

Sources used for concepts, definitions and translations included World Health Organization (WHO) websites, FAO website and FAOTERM, the UNBIS Thesaurus, EuroVoc and Inter-Active Terminology for Europe (IATE). Trusted sources key.



# COVID-19 multilingual terminology available in IATE

270 multilingual entries related to the current pandemic are now available in IATE, the European Union terminology database. With 8 million terms in the 24 official languages, IATE is the terminology reference not only for language professionals, but also for national experts, policy advisers, public administration academics and private sector companies.





# Adding COVID-19 translations

National editors also encouraged to use trusted sources, like ministries of health.

Definitions are essential for shared understanding and reducing ambiguity (here, from WHO).

The vocabulary used must be understood by everyone, and it is important that consistent terminology is used.

PREFERRED TERM	<ul> <li>® mesures non pharmaceutiques</li> <li>® Non-pharmaceutical interventions (NPIs, also known as non-pharmacological interventions) include all measures or actions, other than the use of vaccines or medicines, that can be implemented to slow the spread of iinfluenza [and other illnesses] llnesses in a population.</li> <li>(en)</li> </ul>		
DEFINITION			
BROADER CONCEPT	disease management (en)		
NARROWER CONCEPTS	distanciation physique (fr)		
INCLUDES	distanciation physique (fr) Isolement (fr) lavage des mains (fr) movement restrictions (en) quarantaine (fr)		
IN OTHER LANGUAGES	<ol> <li>non-pharmaceutical interventions</li> </ol>	English	
	<ul><li>არაფარმაკოლოგიური</li><li>ჩარევა</li><li>არაფარმაკოლოგიური</li></ul>	Georgian	
	<i>ინტერვენცია</i> ⑤ nicht-pharmazeutische Maßnahme	German	
	<ol> <li>nicht-pharmakologische</li> </ol>		

# Relevant concepts

Lessons learned during the Ebola and Zika outbreaks have helped some countries confront the COVID-19 pandemic, so **Ebola virus disease** and **Zika virus disease** have been added to AGROVOC.

More concepts are also suggested by AGROVOC editors, such as **Hamsterkauf** (German for panic buying), relevant to value chains and **market disruptions**.

Goal: include concepts relevant to the **complex socio-economic impacts of COVID-19**, as decision makers and governments need to balance economic and health concerns of reopening economies.



### Keywords in use, July 2020

#### Nutrition and COVID-19



This document captures the information on basic nutrition available to consume fish, vegetables, and other nutritious food. It demonstrates that how less intake of nutrition leads to the malnutrition. Furthermore, the importnance of WASH, hygiene, and hand washing practice was discussed in the document.

Collections Value chains and nutrition [173]

Download Pamphlete Nutrition and COVID 19 ENG .pdf (577.6Kb)

Date 2020

Author Rizaldo, Q.

Karim, M.

Author(s) Manjurul Karim (b) https://orcid.org/0000-0003-4280-3568
ORCID(s)

Subject(s) food fish; wash; fish consumption; coronavirus disease

AGROVOC food security ; nutrition ; covid-19 ; hand hygiene

Type Brochure

Publisher WorldFish

Metadata Show full item record

🆍 CGSpace Home / Alliance of Bioversity International and CIAT / Alliance Bioversity CIAT Reports / View Item

#### Efecto de la pandemia del COVID-19 en el sector arrocero de América Latina y El Caribe: Un diagnóstico participativo



#### View/Open

Reporte (13.37Mb)

#### Authors

Urioste Daza, Sergio Graterol Matute, Eduardo Álvarez, María Fernanda Tohme, Joe Escobar, María Ximena González, Carolina

#### Date

2020-07





#### Citation

Urioste, Daza S.A.; Graterol, Matute E.; Álvarez, M.F.; Tohme, J.; Escobar, M.X.; González, C. (2020) Efecto de la pandemia del COVID-19 en el sector arrocero de América Latina y El Caribe: Un diagnóstico participativo. Alianza de Bioversity International y el Centro Internacional de Agricultura Tropical (CIAT); Fondo Latinoamericano para Arroz de Riego (FLAR); HarvestPlus. Cali, Colombia 28 p.

Permanent link to cite or share this item: https://hdl.handle.net/10568/108967

#### Abstract/Description

El reporte consiste en un diagnóstico de los efectos que han tenido las acciones implementadas para frenar países de América Latina y relacionada sobre los implementadas obre los implementadas para frenar Language es es CGIAR relacionada sobre los implementadas por estretificada, y en el flujo análisis de las políticas y general. La iniciativa hace información liderada por el International y el CIAT y el HarvestPlus. Los resultado cuyo objetivo fue difundir la cuyo objetivo fue difundir la temas presentados, a cargo Open Access

#### CGIAR Author ORCID iDs

#### AGROVOC Keywords

RICE; ARROZ; PRODUCTION; PRODUCCIÓN; COVID-19; ENFERMEDAD POR CORONAVIRUS 2019

#### Subjects

AGRICULTURE; ECONOMICS; RICE;

#### Regions

CARIBBEAN; LATIN AMERICA

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### Lessons learned

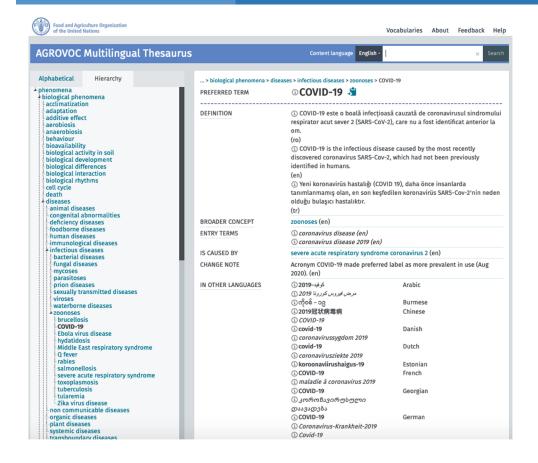
Lessons learned after this whole action, from the vocabulary control point of view:

- Not static: Even trusted authorities change names of concepts.
- What is most used? AGROVOC editorial guidelines: "The abbreviated form should be selected (as preferred term) when it has become so well established that the full form is rarely used, mostly the case for acronyms." → August 2020: COVID-19 made preferred term @en.
- Initially a challenge to find other online thesauri to link to, and good translations: now much more available
- Ongoing discussions: what to include? Think about how concepts are used.

contact tracing Tröfcheninfektion border closures lockdown comorbilità gendered impact



### Next steps



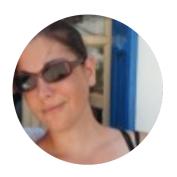
The full socio-economic impact of the virus on food security and agricultural food systems is not yet known, so the number of COVID-19 related concepts are expanding.

The AGROVOC monthly releases facilitate responsiveness on emerging topics.

Agreed terminology with definitions is needed, especially to enable correct translations.



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