AGROVOC and COVID-19

9 September 2020

NKOS Consolidated Workshop 2020
Terminology Development and KOS Mapping
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

37,500+ concepts
750,000 terms
aligned to 20+ datasets
up to 40 languages

skos:prefLabel ➔ ‘milk products’ @en
skos:broader ➔ skos:prefLabel ➔ ‘cheese’ @en
skos:narrower ➔ skos:prefLabel ➔ ‘sheep cheese’ @en
Based on a Concept Model

37,500+ concepts
750,000 terms
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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 share-alike), 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

- **WS accesses**
  - 2017: 466k
  - 2018: 631k
  - 2019: 443k
  - 2020: 348k

- **SPARQL queries**
  - 2017: 20k
  - 2018: 61k

- **Void requests**
  - 2017: 7k

- **SKOSMOS accesses**
  - 2017: 6.2m
  - 2018: 5.7m

- **Downloads of full dataset**
  - 2017: 13k
  - 2018: 1k

- **Loddy URI resolution**
  - 2017: 5m
  - 2018: 20m
  - 2019: 6m

**Jan - May**
### AGROVOC: Up to 40* languages

<table>
<thead>
<tr>
<th>Arabic</th>
<th>Finnish</th>
<th>Khmer</th>
<th>Polish</th>
<th>Telugu</th>
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</thead>
<tbody>
<tr>
<td>Burmese</td>
<td>French</td>
<td>Korean</td>
<td>Portuguese and Brazilian Portuguese</td>
<td>Thai</td>
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<td>Catalan</td>
<td>Georgian</td>
<td>Lao</td>
<td>Romanian</td>
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<td>Danish</td>
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<td>Norwegian bokmål</td>
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<td>Dutch</td>
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<td>Norwegian nynorsk</td>
<td>Spanish</td>
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<td>English</td>
<td>Italian</td>
<td>Persian</td>
<td>Swahili</td>
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<tr>
<td>Estonian</td>
<td>Japanese</td>
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<td>Swedish</td>
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</tr>
</tbody>
</table>

*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)
- Gödöllő Agribusiness Centre (Hungary)
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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)
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 <Agrovoc@fao.org>
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,
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).
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).
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

<table>
<thead>
<tr>
<th>non-pharmaceutical interventions</th>
<th>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 influenza (and other illnesses) illnesses in a population.</th>
</tr>
</thead>
<tbody>
<tr>
<td>physical distancing (alternative social distancing)</td>
<td>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.</td>
</tr>
<tr>
<td>hand washing (alternative hand hygiene)</td>
<td>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.</td>
</tr>
<tr>
<td>movement restrictions</td>
<td>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.</td>
</tr>
</tbody>
</table>
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 referent not only for language professionals, but also for national experts, policy advisers, public administration academics and private sector companies.
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.
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.
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 importance 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) ORCID(s)
Manjurul Karim https://orcid.org/0000-0003-4280-3568

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

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

Type
Brochure

Publisher
WorldFish

Metadata
Show full item record
Efecto de la pandemia del COVID-19 en el sector arrocero de América Latina y El Caribe: Un diagnóstico participativo

Citation

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

Abstract/Description
El reporte consiste en implementadas para frenar los países de América Latina y el Caribe, relacionada sobre las medidas que han tomado los países para controlar la propagación del virus. La iniciativa hace un diagnóstico de los efectos que han tenido las acciones contra la pandemia del COVID-19.

Language
English

Type
Report

Accessibility
Open Access

Usage rights
CC-BY-4.0

CGIAR Author ORCID IDs
Joe Tohme @ https://orcid.org/0000-0003-2765-7101
Carolina Gonzalez @ https://orcid.org/0000-0003-3613-1769

AGROVOC Keywords
RICE; ARROZ; PRODUCCION; PRODUCCIÓN; COVID-19; ENFERMEDAD POR CORONAVIRUS 2019

Subjects
AGRICULTURE; ECONOMICS; RICE;

Regions
CARIBBEAN; LATIN AMERICA
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.
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.
The AGROVOC team

IMMA SUBIRATS
Information management officer, AGROVOC manager

KRISTIN KOLSHUS
Information management officer, AGROVOC curator

ANDREA TURBATI
Information management specialist, AGROVOC technical lead

ALEJANDRA MANCO VEGA
Information management specialist, technical support

CHELSEY SCALESE
Information management specialist, communications support

Contact us! AGROVOC@fao.org
Follow along on Twitter @FAOAIMS