Exploring the development, promotion and impact of AGROVOC sub-schemes

28th June 2021 - Online





Agenda

- 1. Welcome and introductions (20 min)
- 2. Presentations & knowledge carousel: 'Sub-schema and vocabulary projects' (40 min; 20 min)
 - -- Break (10 min) --
- 3. Input: increasing uptake through broader engagement in sub-scheme development (15 min)
- 4. Action sessions: break-out groups on engagement, promotion and impact (60 min)
- 5. Plenary and next steps (15 min)





1. Welcome and introductions





An interactive workshop

Be present

The agenda includes shorter inputs, and a break. Minimise other windows, or mute alerts.





We suggest having cameras on, mics on mute

Use **gallery view**. Don't feel you have to make eye contact all the time. Turn off self-view for a more natural experience.

Listen, use your voice, use the chat

Signal if you want to speak. Use the chat to share feedback too.





We're recording

But only to help write the workshop report. (We may share presentation videos separately)

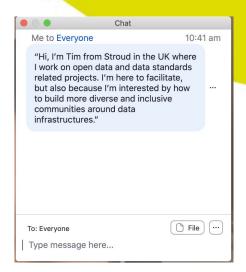




Welcome & introductions

Introduce yourself in the chat:

- Where are you from?
- What brings you to this workshop?







Workshop goals

To explore the state of AGROVOC sub-schemes and discuss:

- Consultation and engagement in (sub-)vocabulary development
- Communication strategies to improve awareness of vocabularies and their use
- Supporting (sub-)vocabulary use
- Measuring use and impact
- Making and sustaining connections







Primer: what is an AGROVOC Sub-Scheme?

Photo by **Brett Sayles** from **Pexels**

28 June 2021

What is AGROVOC?

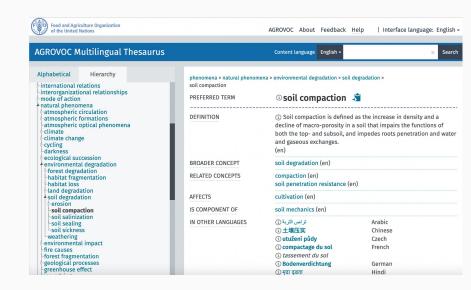
Multilingual thesaurus available in up to 40 languages

Managed by FAO

in collaboration with more than 25 institutions in 22 countries.

Covers all areas of interest to FAO

Food, nutrition, agriculture, forestry, fisheries, environment, etc.





AGROVOC Sub-Schemes

Allows different groups to maintain their own hierarchies and export separate SKOS schemes.

These can have **different hierarchies**, but **shared infrastructure**.

Concepts use the same AGROVOC unique resource identifier (URI), translations and definitions.

All ASFA, FAOLEX and LandVoc concepts are AGROVOC concepts.

Concepts do not exist in isolation.



AGROVOC content workflow

Content suggested in VocBench

AGROVOC editors suggest new terms and concepts in VocBench. Role-based access. Suggested concepts need definitions, ideally also alignments.

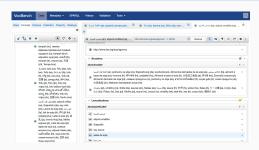
Review in VocBench

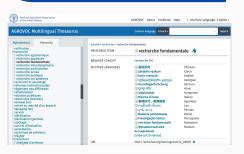
AGROVOC team at FAO reviews suggestions. Checks for synonyms. May ask questions. Looks at scope, definitions, trusted alignments, FAO languages. If OK, validates. Editors can suggest translations. Other schemes can add new concept also to their scheme.

New content published

AGROVOC is released monthly.









Shared concepts, new opportunities

These schemes allow an expert community to have their sub-vocabulary with customized hierarchy, using AGROVOC concepts.

Note: all concepts have to be AGROVOC concepts. In this way, AGROVOC concepts can belong to other schemes and appear in different hierarchies.

This opens for some very interesting potential collaborations with specialized communities.

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ar	إدارة الأراهنسي
CS	obhospodařování pozemků
de	Landbewirtschaftung
en	land management

2. Sub-scheme and vocabulary projects presentations





Project presentations

Sub-schemes

- LandVoc Laura Meggiolaro
- FAOLex Andrés Vatter Rubio

AGROVOC Contributors

- **ASFA -** Tamsin Vicary

Related vocabularies

- CaLaThe - Volkan Çağdaş





LandVoc





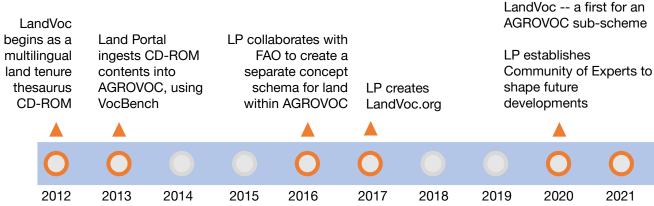
Introducing: LandVoc

A thesaurus of land governance concepts





1. A brief history



- independent hierarchy for

LP and FAO create

The Community of Experts convenes periodically to enrich LandVoc with new developments and provide translations.

Today, Land Portal

and maintain LandVoc.org

website.

continues to steward LandVoc

- Other organizations may use LandVoc as an independent glossary or within AGROVOC.
- LandVoc is a voluntary initiative with no full-time staff a true labor of love!





2. What it covers

310	Land governance related concepts	From abandoned land to zoning, from green belts to manure contracts, LandVoc contains the most relevant concepts and aspects related to land governance
7	Top-level concepts	Terms are nested under the following top-level concepts Iand administration Iand equity Iand governance Iand governance Iand management Iand management
10	Languages available	Concepts are translated into ten languages:





3. How it is used

Primarily, the Land Portal uses LandVoc in its suite of metadata standards to tag over 64,000+ resources in the Land Portal Library, 700+ indicators, as well as news, blogs, events, and more. The tags are transparently displayed, making it easy for readers to discover and access additional content.

Other land-sector organizations also use LandVoc to manage information and act as a glossary.

Across the board, LandVoc supports cross-language information discovery.

```
Geographical focus

(Tanzania (Mongolia)

Related categories

(Land & Gender (gender equity)
(gender equity in access to land)
(land governance (community forestry)
(land economics (land rights)
(land tenure (community land rights)
(local communities) (women)
```





4. How it is promoted



Land Portal continuously invests in the promotion of LandVoc with both insider and outsider audiences.

- Case studies, blog posts, video introductions, newsletter campaigns, and social media.
- Dedicated website (landvoc.org) with skosmos explorer and Excel/CSV downloads.
- Community of Experts
- Workshops with other communities
- Map LandVoc concepts to other vocabularies





5. What success looks like

- We track e-mail campaigns engagement, website visits, and downloads. We collect stories of impact through engaging with the community.
- Success = more content tagged using LandVoc, more translations, more stories of use.
- We don't currently track use of Landvoc concepts outside of LandPortal - but want to explore this.





ASFA





Introducing: ASFA Subject Vocabulary

The ASFA Thesaurus covers all aspects of aquatic science, fisheries and aquaculture.





1. A brief history

The ASFA Partnership is celebrating its 50th year - the ASFA database was first published as a printed journal in 1971, using a subject thesaurus to index its records.

- ASFA moved to AGROVOC in 2019, having previously used MultiThes to manage its thesaurus.
- A number of individuals and institutions have contributed to the development of the thesaurus - FAO, UNEP, German and UK institutions.

The Thesaurus is now maintained by a Working Group of 16 members from: Argentina, Columbia, India, Iran, Kenya, Morocco, Philippines, Russia, Senegal, Uganda, UK, USA, Viet Nam





2. What it covers

ASFA Vocabulary contains 6 589 concepts, with growing coverage in up to 40 languages.

The ASFA thesaurus aims to cover all aspects of aquatic sciences, fisheries and/ or aquaculture.

The Working Group meets monthly to agree new concepts and hierarchical changes, with work to add translations, definitions and alignments ongoing.





3. How it is used

The ASFA Subject Thesaurus is used to index records on the ASFA database, which contains 3.9 million records.

We recently launched OpenASFA, a new system for creating, storing and exporting records which uses the ASFA Thesaurus. OpenASFA users can select keywords from the thesaurus in multiple languages.

The Thesaurus is also in use in AquaDocs, and ASFA Partner repositories.





4. How it is promoted

ASFA promotes its vocabulary externally through its communications channels - ASFA Magazine, Meetings and Conference, Twitter (#FAOASFA).

Since joining AGROVOC, ASFA has participated in wider outreach activities to promote its thesaurus and gain insight in to better management and development of thesauri.







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PLY ON THE SERVICE AND REVISIONS AREAS OF PROVIDED THE SERVICE AND THE SERVICE

ASFA and AFRIAMSLIC: "Our unity is our success







5. What success looks like

Engagement and development of the working group is a key way of measuring success for ASFA - as a partnership network we strive to offer professional development opportunities.

We are also tracking number of alignments- fully aligning ASFA concepts with AGROVOC will be a huge success (scheduled for end of 2021), after which time we will measure traffic to ASFA Vocabulary.





FAOLex





Introducing: FAOLEX

Enriching data through AGROVOC vocabulary and technology





1. A brief history

FAOLEX (<u>www.fao.org/faolex</u>) - FAO's electronic library of national laws, regulations, bilateral agreements and policies on food, agriculture and natural resources management.

Mission: Increase the accessibility, dissemination and intelligibility of legal and policy frameworks.

FAOLEX controlled vocabulary / AGROVOC sub-scheme is seen as instrumental and auxiliary to this mission.

The alignment of controlled vocabularies with its partners in IUCN and UNEP is a critical need.









UNEP & MEAs 2013 FAO, IUCN and UNEP 2001

FAOLEX 1995 FAOLEX AGROVOC sub-scheme 2018





2. What it covers

FAOLEX Classification Scheme

- Level 1: 'Primary subject(s)' (25)
- Level 2: Relevant subjects ('Domains') (16)
- Level 3: Top-level concepts (85)
- Level 4: All concepts (420)
- All this metadata is available in the six working languages of the UN. Definitions of concepts
 only in English for now.

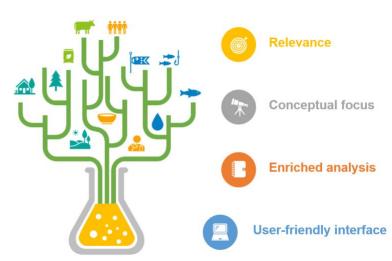






3. How it is used

- Enrich the metadata to retrieve relevant and recallable information across multilingual texts.
- Basis for subset thematic collections.
 - AgroecologyLex (NSP)
 - AMR-Lex (NSAG)
 - Aqualex (NSL)
 - FamilyFarmingLex (PSUF)
 - FishLex (NFI)
 - GenderLex (ESP)
 - Indigenous Peoples (PSUI)
 - NALO Aquaculture (NFI)
 - Pastoralism (NSAG)
 - PortLex (NFI)
 - Right to food around the Globe (ESP)
 - SoiLex (GSP)
 - SSF-Lex (NFI)
 - · TimberLex (NFO)







4. How it is promoted

Our own informational needs have forced us to get involved with the maintenance of a separate sub-scheme but we would much rather leverage existing services managed by expert stakeholders. We do not wish to promote FAOLEX sub-scheme as a state-of-the art controlled vocabulary.





5. What success looks like

- Integrate VocBench to our workflows to align relevant controlled vocabularies
- Integrate conceptual models from expert stakeholders to build relationships and semantic clusters between concepts
- Adopt visualization tools to facilitate navigation of the concept topography for both users and metadata curators.
- Use of AGROVOC and LOD to gather relevant information from AGROVOC community sources and repositories.





Cadastre and Land Administration Thesaurus (CaLAThe)

Volkan Çağdaş & Erik Stubkjær





Editors



Professor emeritus, Dr. Erik Stubkjær

Department of Planning, Aalborg University, Denmark



Associate professor, Dr. Volkan Çağdaş

Department of Geomatic Engineering, Yildiz Technical University, Turkey

Editors with research area: Cadastre, Land administration, Immovable property law





History

1st ver. (2011) is based on then draft ISO Land Administration Domain Model (LADM).

2nd ver. (2012) is supported with concepts representing the dynamic aspect.

3rd ver. (2016) added concepts from OGC Land and Infrastructure Conceptual Model Standard (LandInfra).

4th ver. (2019) includes also code lists from OGC LandInfra and ISO LADM.

5th version (Autumn 2021) will include Danish and Turkish labels.

Methodology: ANSI/NISO, 2005 Guidelines for the Construction, Format, and Management of Monolingual Controlled Vocabularies



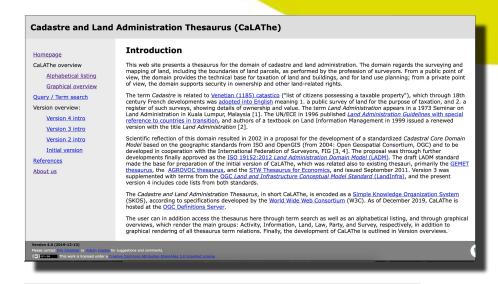


Introduction

A first domain-specific thesaurus that presents and relates core concepts in the SKOS format.

Intended as a core terminology to alleviate terminological inconsistencies.

Intended to support the development of a universal cadastral theory or ontology.



http://www.cadastralvocabulary.org





Scope

250 terms under six top concepts, namely Activity, Information, Land, Law, Party, and Survey.

Adopted terms from other thesauri, such as the AGROVOC, the GEMET with INSPIRE Spatial Data Themes, the STW Thesaurus for Economics, Cycorp's OpenCyc ontology, and United Kingdom's Integrated Public Sector Vocabulary.

Includes also 'CaLAThe 4.0 – Codelists' sub-scheme which accommodates some code lists of LandInfra and LADM.

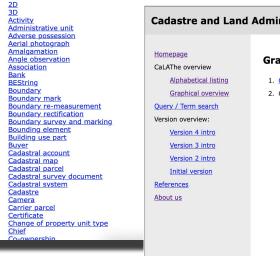


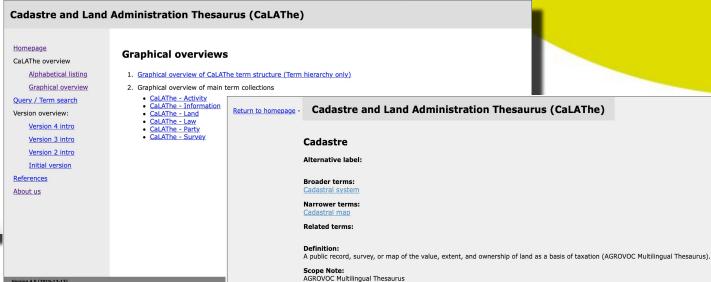


Cadastre and Land Administration Thesaurus (CaLAThe)

kan Cagdas for suggestions and comments

Alphabetical term list





Version 4.0 (2019-12-13)

http://www.cadastralvocabulary.org/CaLAThe/Cadastre

Cadastral system ← Cadastra ← Cadastral map

http://aims.fao.org/aos/agrovoc/c_1177

Exact match:

http://www.cadastralvocabulary.org

(c) BY-SA This work is licensed under a





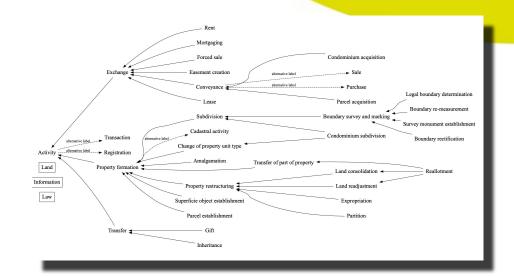
Usage

Discovering domain knowledge.

Semantic identification, classification, and indexing of scholarly and legislative resources.

Development of precise and shared domain terminology.

Alignment of standards in the land administration domain.

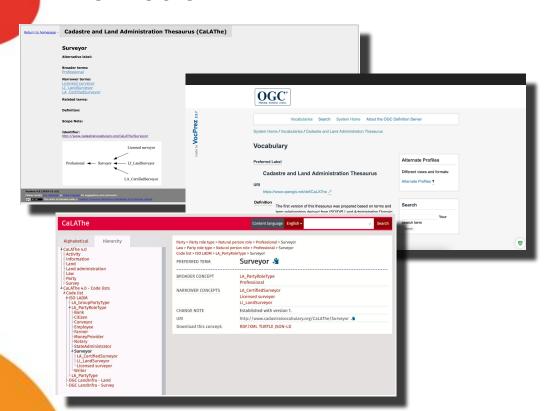


http://www.cadastralvocabulary.org





Promotion



A dedicated web site (cadastralvocabulary.org).

OGC Definitions Server (https://www.opengis.net/def/CaLAThe)

The Basic Register of Thesauri, Ontologies & Classifications (BARTOC) (http://bartoc-skosmos.unibas.ch/CaLA The/)

Scientific publications





2. Sub-scheme and vocabulary projects Knowledge carousel





Knowledge carousel: learn more

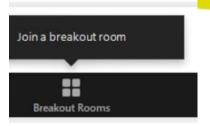
Three groups:

- LandVoc Laura Meggiolaro
- **FAOLex** Andrés Vatter Rubio
- **ASFA -** Tamsin Vicary
- CaLaThe Volkan Çağdaş

You have been <u>randomly assigned</u> to the first group. You can <u>select</u> the second group you to go.

A chance to ask questions, share observations & make connections.

We'll rotate after 10 minutes.









-- Break --





3. Increasing uptake through broader engagement in sub-scheme & vocabulary development





The challenge

 Many vocabularies are developed and used by small groups.

The question

 Can we increase uptake and use of sub-schemes and vocabularies by increasing the number and diversity of people engaged in their development?





The experiments

- AgrEdit
- LandVoc Community of Experts









Short introduction to AgReDiT (Agrovoc Revision and Discussion Tool)

Exploring the development, promotion and impact of AGROVOC sub-schemes
June 2021

Nikolai Svoboda and Carsten Hoffmann Leibniz Centre for Agricultural Landscape Research Germany <u>support-data@bonares.de</u> www.bonares.de





AgReDiT - AGROVOC Review & Discussion Tool

Feedback-and-review-tool to use knowledge of domain of interests (communities, projects, ...) to improve and extend the AGROVOC content

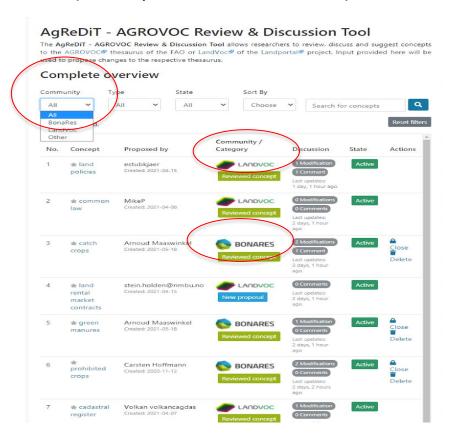
- Recently two communities are integrated:
 - BonaRes with > 100 soil and agricultural scientists
 - Landvoc
- Python software & Django Framework
- Living tool functionality and exchange with experts and community handling can/will be further optimized
- Coming soon: Open Source (under Mozilla Public Licence 2.0)
- <u>Options</u>: integrate all communities into one tool or provide different tool copies to different communities
- Define transparent rules for Vocbench3 integration



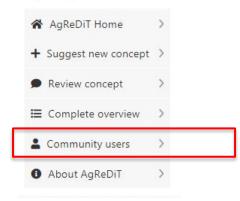


Communities

(recently BonaRes and LandVoc)



AgReDiT



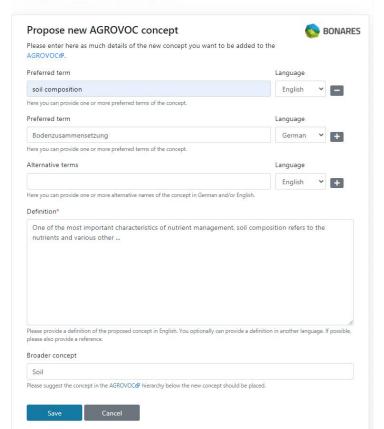




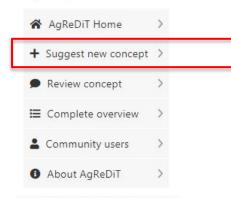
Missing concepts

AgReDiT - AGROVOC Review & Discussion Tool

The AgReDiT - AGROVOC Review & Discussion Tool allows researchers to review, discuss and suggest concepts to the AGROVOC® thesaurus of the FAO or LandVoc® of the Landportal® project. Input provided here will be used to propose changes to the respective thesaurus.



AgReDiT



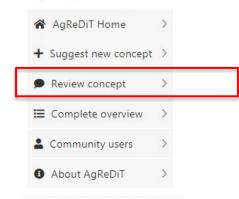


"Wrong" or incomplete concepts

AgReDiT - AGROVOC Review & Discussion Tool

The AgReDiT - AGROVOC Review & Discussion Tool allows researchers to review, discuss and suggest concepts to the AGROVOC® thesaurus of the FAO or LandVoc® of the Landportal® project. Input provided here will be used to propose changes to the respective thesaurus. Success: Successfully added concept 'soil functions' so it can now be reviewed and discussed in AgReDiT. PREFERRED TERM BONARES soil functions Proposed by Carsten Hoffmann | Created on 02 Jun 2021 | Last updated on 0 minutes | Views: 1 PREFERRED TERMS soil functions (en), Bodenfunktionen (de), функции почв (ru), toprak işlevleri (tr) BROADER CONCEPT http://aims.fao.org/aos/agrovoc/c_330740@ URI http://aims.fao.org/aos/agrovoc/c_e5629cbd@ Your comments or suggestions Suggest modification Add a comment Suggest a modification for 'soil functions' Which part of the concept should be changed? Alternate Term General concept Preferred term Definition Alternate Terr Broader concept Translation Please provide here the details of how this concept could be improved in the AGROVOC # thesaurus. Confidence level Please state here how confident you are about your proposed modification. Propose modification

AgReDiT





Editorial concept for the BonaRes Community (first rules to integrate results into Vocbench3)

To provide a transparent workflow of new and reviewed concepts, we developed a short handling. Every opened concept remains at least 30 days in the tool. After 30 days, each first day of month the BonaRes Centre checks the following cases and execute the associated actions:

User activity	User agreement/ controversy	Action by BonaRes Centre
high (>5 comments/ thumbs)	fully agree (>90% positive, no "veto")	transfer to AGROVOC
	mostly agree (70-90% positive, no "veto")	gather a final statement by the submitter, transfer or remain open another 30 days
v	controversy < 70% positive or "veto" by an expert)	involvement of second expert, attempted clarification between users with final decision (yes/no transfer)
medium (2-5 comments/thumbs)	no expert*	no activity. Referent to the concept at the next circular mail: " Please give your opinion to:"
low (0-1 comments/ thumbs from users)	no expert*	involvement of expert(s)
low/medium (0-5)	expert* agree	transfer to AGROVOC
re-opened concept by expert's* request		involve authors and a second expert to clarify, if necessary change/delete concept in AGROVOC

^{*} after a first test phase we plan to set-up an expert panel within the usership with expertises in different subjects





This project is funded by the German Ministry of Education and Research (BMBF) in the framework of the funding measure "Soil as a Sustainable Resource for the Bioeconomy — BonaRes".



Development Exercise April - June 2021



Background

- LandVoc developed by Land Portal and Agrovoc up until 2020, when two online workshops were held in June to generate wider interest in and use of thesaurus
- 35 people, both academics and land governance practitioners, participated. 15 volunteered to join a community of experts to further develop the thesaurus
- It then took time to find resources, including on-line tools, and people to organise a development stage which took place from April to June this year





Creating a LandVoc Community of Experts LANDVOC

Aims

- Validate existing concepts, removing redundant ones and identifying gaps
- Pilot the AgReDit tool as a means of doing so
- **Develop the engagement of the community of experts** (and a few new contacts) with LandVoc







Experience

- Most of the community either participated to some extent or at least showed interest/presented apologies
- Suggestions made in relation to 10 concepts using AgReDit with other ideas/ proposals submitted by e-mail

BUT

- Our inadequate knowledge of participant's expectations: feedback on lack of structure to the process
- Teething problems with AgReDit
- No collective discussion or development of group identity or decision making





Lessons



- Developing a thesaurus is a very different process than facilitating an online discussion
- The depth of shared understanding and strength of momentum is different in purely online engagement than in processes which have included face to face meeting
- We should have convened another group meeting to explain and secure buy-in for the exercise and to explore in more detail what each individual could bring to the process
- New tools are needed to support new processes (and AgReDit is a great tool for editing concepts) but piloting a new tool with a new community was too ambitious

BUT

- As long as we can retain the support of our community, we are now in a much clearer position to continue the development of LandVoc







Can we increase uptake and use of sub-schemes and vocabularies by increasing the number and diversity of people engaged in their development?

Yes, if:

- There is a clear and accountable structure and strategy to which participants can relate
- You **know who is involved and why** and how they are best able to contribute
- There is recognition of the different potential uses of the thesaurus and, hence, of different user needs/ technical challenges





Brief questions





4. Action sessions: engagement, promotion and impact





Workshop goals

Exploring:

- Consultation and engagement in (sub-)vocabulary development
- Communication strategies to improve awareness of vocabularies and their use
- Supporting (sub-)vocabulary use
- Measuring use and impact





Action sessions

- **Engagement:** Approaches, tools and strategies for increasing engagement in vocabulary or sub-scheme development (**Steven**)
- Promotion: Approaches, tools and strategies for improving sub-scheme uptake through communications, supporting adoption and outreach (Rob)
- Impact: Approaches, tools and strategies to measure uptake and impact (Jack)





Action sessions: structure

Introduction: roundtable (15 minutes) - Everyone has a minute to introduce themselves and to provide their response to one or more of the prompt questions for this group.

Discussion: open session (20+ minutes) - The facilitator identifies up to three topics arising from everyone's introductions, and invites group discussion on these.

Sub-scheme and vocabulary plans (10 minutes) - An opportunity for those leading work on specific sub-schemes or vocabularies to highlight the things they are planning, thinking about, or have remaining questions on. Notes are recorded against specific projects, with the goal of looking for connections and collaboration opportunities.

All participants are invited to put their name against actions they are interested in following up on or engaging more around.

LandVoc	AGROVOC	Others (set based on lead participants in the session)

Prompts for: Leaders, Users, Beginners





Engagement

 What approaches, tools or strategies do you use to increase engagement with your vocabulary or sub-scheme?

or

 How have you contributed to the development of a sub-scheme or vocabulary in the past?

or

 How would you like to contribute to the development of a sub-scheme or vocabulary in future?





Promotion

• What approaches, tools or strategies have you used to encourage people to use your sub-scheme or vocabulary?

or

 What has helped you to discover, make use of, or engage with another sub-scheme or vocabulary?

or

 What approaches, tools or strategies do you think could help improve uptake of vocabulary sub-schemes?





Impact

 What approaches, tools or strategies have you used to measure and report on the impact of your sub-scheme or vocabulary?

or

What metrics or evidence of impact do you like to see?

or

 What approaches, tools or strategies for impact measurement are you considering for the future?





5. Plenary feedback & take-aways



