

Meeting Minutes: Sharable Glossaries

NOTE: The bi-weekly glossary meeting has been moved to being covered in the Team Macaw EMEA/APAC meeting slot. See the

[☰ Templates working group meeting notes - The Good Docs Project](#)

- [Slack channel](#) (most used), [Email list](#) (not used anymore)
- [Common google drive](#) (with links to OSGeo and Good Docs deliverables)
- [Meeting times](#): (Ask for an invite in #glossaries in slack)
 - Every 2nd week on a Tue, in APAC evening / EU morning
 - US Mon (as part of Team Alpaca)
- Archive: [☰ 2020-Oct21 Glossary meeting minutes](#)

Useful stuff

- Ane's [Terminology Reference System](#)
- Rachel's first glossary template version:
<https://gitlab.com/tgdp/templates/-/tree/main/glossary>
- Cameron's [Theory on sharable glossaries UPDATED LINK](#)
- Rob's recording of [spreadsheet -> git -> machine readable glossary](#)
- Michael's [recording of Semiant. using the CSV export from Rob's Glossary Use Case](#)
- Matt's [Hugo management of glossaries](#) + Hugo [issue to add glossaries](#)
- Recording of Ian's machine-readable glossaries chat:
[📺 MACAW_Ian_machine-readable-glossaries.mp4](#)
- Issue to create a Chronologue example for the glossary template:
<https://gitlab.com/tgdp/chronologue/docs/-/issues/55>
- Issue to create glossary v2 template: <https://gitlab.com/tgdp/templates/-/issues/379>

Next Meeting

Who:

Suggested Agenda:

- Keep it tight as a "standup meeting", and likely finish early.
- Report on any tasks worked on since the last meeting.
- Discuss planned next tasks to take on over next two weeks
- Any blockers or call outs for help?

Notes:

17 Jul 2024 Glossary meeting

Who: Ian C / Cameron

Notes:

- Ian showed Cameron a simple proof of concept GitHub Hugo project for creating a machine readable glossary with hover-over term pop-ups on a documentation website: <https://github.com/dufcrule/hugo-docs-site>
- Cameron: suggests looking at “new” GDP website tech stack (not Hugo)
- Cameron: noticed that his Chromebook has a Quick Answers feature, enabled in ChromeOS settings, which allows: Right click on a word, then get a dictionary definition of that word. Thinks a variant on this use-case is what we wish to emulate - we wish to use a website's glossary to define (term,definition):
<https://support.google.com/chrome/a/answer/13616580>
- Ian suggests assigning himself to v2 of glossary template:
<https://gitlab.com/tqdp/templates/-/issues/379>

5 Jun 2024 Glossary meeting

Who: Ian C / Cameron

Notes:

- Ian C: looking to address the shareable glossary use case “Hover-over term popups”, [as described on the Good Docs website](#).
- Cameron: suggests building an example Hugo project in GitHub
- Ane posted a great ref in Slack:
https://www.terminorgs.net/downloads/TerminOrgs_StarterGuide_V2.pdf

22 May 2024 Glossary meeting

Who: Ian C / Cameron

Notes:

- Discuss Glossary / Linting
- Ian C: Have Linting being done at work
 - Have been busy at work for last couple of months
- Cameron: Linting drives a need for glossaries
- Ian: Working to improve translation
 - Looking at AI
 - Quality of translation from AI is much better
 - Glossary is very helpful for feeding into AI translation
- Cameron:
 - Suggest work on something that you are doing already at work. (It is free effort from a doc point of view.)
- Action: Ian to think about ideas for him to focus on
- Prior task: Write up functional spec for “Hover-over-popup”
 - Ian has implemented this at work
 - Talked with a “matt dodson” at WtD. (Cameron reached out before, no response)
- Possible use case: Write a blog post: “This is how you create a translation with a glossary”
 - Translated content push back into the glossary.

- Could create a series of blog posts around key use cases
 - <https://thegooddocsproject.dev/docs/glossaries/use-cases/>

27 Mar 2024

Who: Rob, Ian, Cameron

Summary:

Raw Notes:

- Meeting time: Currently attached to Australian timezone. Propose to keep real time the same, and not move when Australia switches off daylight saving. (Will move from 6pm to 5pm in Sydney Australia) Suggest to attached timezone to something like GMT.
- Ian: Has API discussions
- Discussed Hugo email
- Discussed test beds Hugo brings to the table
- Discussed Rachel's glossary. Considered that we should baseline where Rachel is at, once review is complete. Then we can start moving onto the more complex later.
- Propose writing a functional spec for a Hugo glossary popup, based on Rob's back end. (Think Wishware)
-

13 Mar 2024

Who: Ian, Michael

- Short catch-up
- Michael ready to support a proof of concept with Semiant whenever appropriate glossary data is available
- Short [demo of Semiant, using the CSV export from Rob's Glossary Use Case](#)
- Rachel's glossary docs have been reviewed by Team Alpaca

28 Feb 2024

Who: Ian, Rob, Cameron

Ian: Reviewed Rachel's Glossary 4 docs

- Did comprehensive review
- Still a bit of work to do
- Haven't looked at all resources referenced
- Rachel plan to get review from US team meeting
- Debate of repeating term defining
 - Ian: Suggest hover over terms, it is redundant.
 - Used short definition for short tool-tip
- Rob

- Suggest standardized canonical model
- Want use case to know how we will use it
- Term, Label, Definition
- Pref-label, Definition, Dublin Core
- Want tools which can exploit this
- Ian
 - Want to link Rachel's work with Rob's work
 - Action: Ian - see if he can get Rob's guide working with Rachel's guide

Rob Atkinson 4:07 PM

Link to screen recording of walk through of glossary conversion -

https://drive.google.com/file/d/1fGYInatBNBCTNJEewz4rMD-sMbjYaVH/view?usp=drive_link

Rob: Inviting feedback to get feedback, change script, go wild

Will need to have a normalisation process

Rob has an OGC Academy concept to generate this eventually

Consider this "internal only"

Action: Ian to digest Rob's strategy, and see if can get to work, and suggest our next steps.

14 Feb 2024

Who: Cameron, Ian, Rob, Michael

Notes:

- Ian
 - Rachel has provided Glossary files for review
 - Rachel planning to step back from Glossaries after this
 - Back from leave
- Michael Jastram
 - Main goal looking for customers
 - Have a free trial, fully usable
 - Does glossary management on any website.
 - Can use for glossaries, but not ontologies
 - Browser plugin
 - Would compete
- Rob
 - Want to test in OGC
 - Have lots of Glossaries specific to specs
 - Other reports, referencing these things
 - Would be good to highlight - linked data environment
 - Can put in front of a large audience
 - OGC/Rob would want some hand holding
 - Lead: Alihandro would be the person to teach

- Interested in pre/post conditions
- Cameron
 - Noted that some tools have glossaries.
 - Think that Grammarly has a personal dictionary
- Michael
 - Grammarly is focused on writing better
 - Michael, focused on clearer language
- Rob
 - Shows how to import spreadsheet, tin github repository
 - Provides URL config pointing to CSV file
 - Showed Download-andouplift.yaml
 - Showed in json-ld.org/playground
 - Forces use of absolute URIs
 - Converts ambiguous spreadsheet, to disambiguous
 - Properties-uptlift.yml, we can add filters in the “transform:”
- Can be triggered
 - Cronjob
 - Uses Std Github workflow
 - Tools are dependant upon opengeospatial tools
- Michael Jastram
 - Demo Seimien: Brower extension for ChromeOS and
 - Semiant - available from the playstore
 - Glossary support in any application
 - <https://www.semiant.com/>

31 Jan 2024

Who: Cameron, Ian, Rob

Summary:

We discussed a use case for the work Rob has been doing with machine readable glossaries.

Cameron outlined a minimum use case:

- From standard spreadsheet columns, user exports to CSV
- Someone uploads a CSV to their website, and gets hover-over popups
- We should try to get it set up by default provided into GitLab
- We can expand use cases later
- Re disambiguation - for Level 1: We only use one definition per term.

Very achievable goal:

- Work with our Community manager within GitLab to see if GitLab will support hover-over popups of Markdown files for whoever wants them - with tooling provided by Rob.
- (Will need to put a proposal to GitLab)

Action: Rob to record a video explaining export/load process for glossaries

Further information: Ane, Rachel and Ian to meet on Feb 5 to discuss glossary template deliverables.

Raw Notes:

Ian:

- Ian/Rachel/Ane will meeting Feb 5
- Will talk through what needs to be done
- Rachele has some work created already
- Will need to fit with our deliverables
- Rachele/Ane are keen to get working
- Looked at Rob's spreadsheet
 - Needs some work on the README
 - Only works with Google Sheets
 - Ian doesn't use Google at work anymore - use Microsoft

Rob

- Can work with CSV
- Access as CSV
- Github action in repository - github workflows
 - In python code
 - CSV -> JSON conversion
 - JQ -> java query language
 - Inject metadata into CSV to describe vocab
 - Update json elements into graph
 - Needs cleaning (such as fixing spaces)
 - JSON - LD
 - => Concept Scheme Object
 - => SKOS format
 - Can organise into taxonomy
- Ian
 - Wants to use MS Excel

Rob

- There are tools for extracting excel

Action: Rob to record a video explaining export/load process for glossaries

Rob: Out of action for 6 weeks from 1 March

Rob

- Will be building an API
- Has built an API for Providence data model
- Working on OGC Building Blocks

Cameron: Minimum use case:

- **From Standard Spreadsheet Columns, use exports to CSV**
- **Someone uploads a CSV to their website, and gets hover-over popups**
- **We should try to get it set up by default provided into github**
- **We can expand use cases later**
- **Re disambiguation - for Level 1: We only use one definition per term.**

Cameron:

- Likely Michael Jastram might be able to help with the client side

Rob

- Aiming for JSON or YAML agnostic

Very achievable goal:

- **Work with our Community manager within GitLab to see if GitLab will support hover-over popups of markdown files for whoever wants them - with tooling provided by Rob.**
- **(Will need to put a proposal to gitlab)**

17 Jan 2024 EU/AU timezone

Who: Ian Cowley, Cameron Shorter

Summary:

Discussed creating a cut down version of Ane's template / making use of Rachel's template. Just including the following: Term, Acronym, Definition. To cover the use case of an end user who only wants to create a glossary.

Aim to target this upcoming Eko release

- Bonus if we can incorporate Rob Atkinson's export from an excel spreadsheet into Machine Readable formats

Action: Ian C to reach out and connect with Rachel (and maybe Ane) in EU/US friendly timezone, and coordinate work

8 Nov 2023 EU/AU timezone

Who: Ian Cowley, Michael Jastram, Cameron, Rob A

Summary:

- Cameron set up a bi-weekly meeting for EU morning / AU evening where we have fairly tech centric folks talking mechanics of sharable glossaries.
- @Ian C and @Ane Troger : Discussed value of you both finding a timeslot to have a face-to-face chat. You both have good ideas and common ground.
- We are debating whether to include the terminology guide into our next release, noting that it is not yet talking to sharable glossaries use case yet.

Notes

- Ian
 - Has been reviewing <https://thegooddocsproject.dev/docs/glossaries/> (as written by Cameron)
 - Reviewed merge request from Ane's Terminology: https://gitlab.com/tgdp/templates/-/merge_requests/304/diffs#9f717bacbe9c5ddf7a3c2fdb1460c91fe51b83b5
 - Note that MR is still a level1 maturity
- Rob

- Are we good enough to test?
- Need to describe your variables, what is being observed
- Master Data Management
- Michael
 - People are aware of problem
 - We offer a solution
 - But there is a higher up problem
 - Not clearer to many about the bigger problem
 - People think the glossary problem is too small to address in the local setting
 - Good Docs advantage is how we can address in the grass roots setting
- Rob: Best practices
 - We we deploy standards, we do in multiple layers
 - Applications
 - Vocab layer
 - System Level
 - Models
 - SW libraries
 - Foundation models (theory)
 - Layering is difficult to grasp
 - Working with OpenAPI, to make it a reusable component
 - Experimenting with social architecture
 - Running into technical architecture
- Michael
 - Liked
- Action: Cameron to set meeting for 6pm Wed (AU time)
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18 Oct 2023

Who: Cameron Shorter, Michael Jastram, Rob Atkinson, Ian C

Notes:

On Wed, 18 Oct 2023 at 16:41, Michael Jastram via Lexicon <lexicon@lists.osgeo.org> wrote:

Hi all,

As Cameron changed the time, I'll attend the Glossary checkin that will start in 20 minutes.

To provide some context of what I've been up to, please check out this new [4-Minute video on the Semiant Website](#). Our tool can now manage hierarchies of company glossaries to help teams align language. I would love to get feedback on that approach.

- Michael

- Introductions
- Rob
 - With OGC Open Geospatial Consortium

- Glossary server
 - W3C Vocab Server
 - Research Lead into inter
- Meeting possible time: 7am AU, 10pm EU
- Ian
 - Tech Writer
 - Moving toward machine readable
- Prior: Ribose, Metanorma
 - Rob: Used by OGC
 - Used to build documents
 - Integrating a glossary into it is still on todo list
 - Have an XML schema for lifecycle
 - Very heavy, process oriented
 - Wider community use SKOS
 - Rob: Could map to SKOS
 - Hasn't created valid SKOS yet
- Rob
 - CoData International Union of .. Sciences
 - Meeting
 - Attempting to establish universal patterns
 - Time and Space
 - Geography
 - Measure
 - Potentially, Vocab
 - Things being measured
 - Federations
 - Spectrum of semantics
 - No standard interoperability
 - JSON Schema Tech Committee
 - Exploring into OpenAPI
 - Sharing terminology
 - This would get to where the people are
 - Rob: Interested to find people to test an OpenAPI
 - Have reusable patterns on the agenda
 - OGC is pioneering OpenAPI Glossary building block
 - AD forGD
 - EU Dataspaces
- Rob
 - <https://github.com/rob-metalinkage/gooodocs-glossary>
 - Overlaps with sharing resources
 - OGC is doing lots of consultancy
 - Paperwork to get invited in significant to get into EU groups
- Michael Jastram
 - Notes that he'd be interested in being invited in as a partner
- Rob
 - You could join OGC as a member

- Matching funding can be funneled through the OGC via testbeds
- Ian
 - Make electronic locks/Devices
 - Hardware company
 - Work in the SW area
 - Company: Salto
- Rob Atkinson
 - https://internationaldataspaces.org/wp-content/uploads/dlm_uploads/IDSA-brchure-International-Data-Spaces-Enabling-Data-Economy.pdf
 - Might be a path to qualification
- Rob
 - <https://github.com/rob-metalinkage/gooddocs-glossary>
- Ian's presentation on Glossaries: <https://www.youtube.com/watch?v=3YPisLxVy2I>
 - Discusses tooling
 - Uses Hugo
- Rob
 - Have done things with Top Quarrant
 - Handles change management
 - Pull in resources from another system
- Michael
 - Based on Dictionary model: <https://dictionaryapi.dev/>
 - Browser based tool, connecting to REST API
 - [4-Minute video on the Semiant Website](#)

3 Oct 2023

Who: Ane, Cameron

Ane: Planning to step back a bit to make room for working on Style Guide.
Discussed Ian C's presentation. We have both watched it.

19 Sept 2023

Who: Cameron, Rachel

Apologies from Ane

Rachel, actioning Glossary comments. Moving onto the glossary resource and process document.

Cameron: Suggests looking at

https://idratherbewriting.com/learnapidoc/docapis_ai_glossary_definitions.html on how to build a glossary using chatGPT, would be good for a Process.

Also shared how he built a glossary by searching from acronyms, then used chatgpt to get terms.

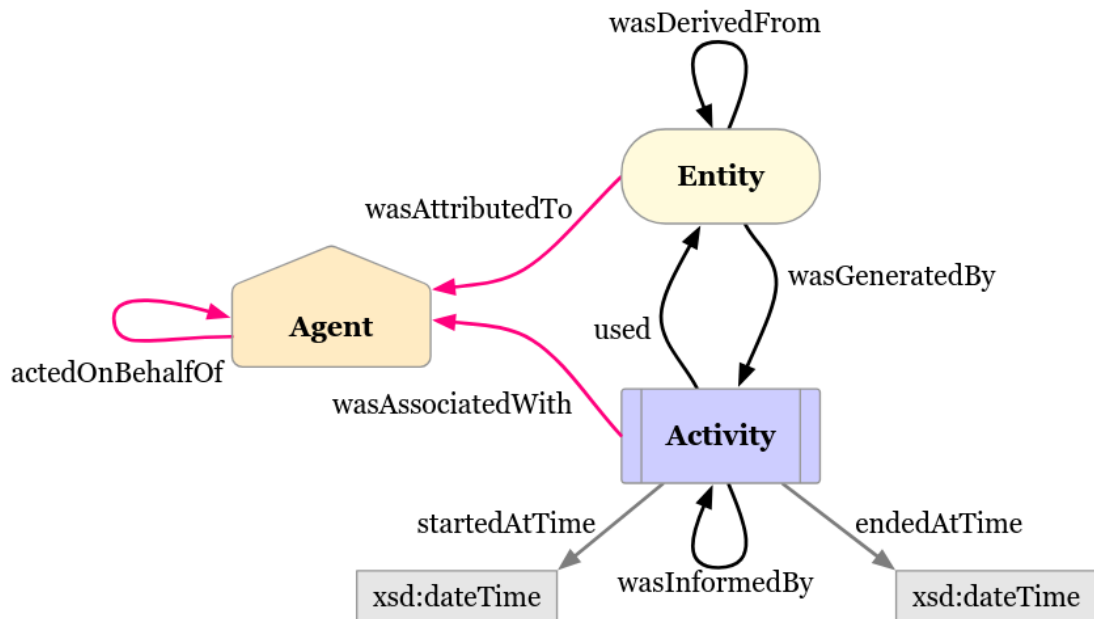
- [📄 Copy of Glossary - Australian Energy Terms](#)

7 Aug 2023

Who: Rob, Rachel, Ane, JC, Cameron

Notes:

- Ane has created: https://gitlab.com/tgdp/templates/-/merge_requests/304
- Rob
 - Will have a look
 - Will talk to consultants at OGC re incorporating into broader framework for glossaries
- Introductions
 - Ann: Terminology template, Style Guide
 - Rachel: Glossary template, ready for community review
 - Cameron: With Good docs since start
 - Rob: With Open Geospatial Consortium, focusing on semantic interoperability, working with sharing process (for glossaries)
 - JC: Live in US, work with US Gov, TW, Financial front end Database
 - Data dictionaries
 - Style guides
 - System docs
- Ane
 - Next step for template is to go to our “example writing team” - Chronologue
- Rob
 - Likes to improve test cycles
 - Like building block examples
- Rachel
 - Glossary template/guide into community review
 - Template deliverables have changed
 - Now putting together resources and process document
- Rob
 - Provenance building block from OGC
 - <https://github.com/ogcincubator/bblock-prov-schema>
 - Provenance is nested, entities, agents, activities
 - Governance
 - Targets which are not geo are provenance and vocabularies
 - Has examples
- Cameron, has used Fair use:
<https://docs.google.com/spreadsheets/d/1riiCdpLK1zOPpfazAIN5eW0ejZZJ2I-VOTpExnFVRqI/edit#gid=929683606>
- Rob [PROV-O: The PROV Ontology](#)



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- <https://ogcincubator.github.io/bblock-prov-schema/build/generateddocs/slate-build/ogc-utils/prov/index.html#examples>

Rachel Stainer 9:36 AM

glossary template files up for community review:

[guide](#)
[template](#)

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13 Jun 2023

Who: Ann, Rachel, Rob, Cameron

Agenda:

- Show and tell from Rob
- Ane: - Review of template

Notes:

- Ann: Showed:
 - [Terminology system guide](#)
 - [terminologyGoodDocs](#)
 - [template-glossary](#)
- Rob:
 - Use case: Glossaries are created within other glossary areas
 - Suggest describe “howto import terms from another system”, or share your terms with someone else
 - Can use terminology such SKOS
 - Namespace: Everything that I control
 - Might reference terms from someone else’s namespace
 - Want to deal with this in an elegant way
 - What is the business use case for reusing terms
- Ann

- We provide a template, and others will use or not as they see fit
- Bridge from our project, we can provide std fields
- Rob
 - Suggests that we include “reused terms” column, and specify how this is done.
- Ann
 - Will need to have an id for term
 - Could be a heading in CSV
- Cameron
 - Showed [Glossary - Rewiring Australia](#) using chatgpt, and mining docs for acronyms
- Rob
 - Suggest generalise
 - Suggest, describe process for mining data
 - Provenance chain
 - Trying to fix OGC use case where we get lots of people re-inventing wheel, and having incompatible formats.
- Rob
 - [ISO19157-3_examples.xlsx](#)
 - Showed a Jupiter Notebook
 - Shows what is happening underneath for publishing
 - Could be used for a schema.org format
 - [github.com/ogcincubator/ ...](#)
 - Code is in github repositories
 - Can set up github action
- Ane
 - Output should be CSV or Markdown
 - Markdown should be github flavored markdown - or if that is too hard, go for HTML (which can be embedded in Markdown)
- Rob
 - Suggest we want std HTML output so that we can reverse engineer and guarantee we can reference.
 - Want

Jul 10, 2023

Who: Ane, Rachel, and Rob

Notes: Rachel is implementing comments from Cameron and will present the glossary template in the near future; Ane has presented the terminology system and needs to implement comments and convert the doc into csv; Rob needs our tables in CSV to input to their APIs.

Next meeting in two weeks.

30 May 2023

Who: Rachel, Cameron

Notes:

- Rachel is looking around looking for the “Why” write a glossary, checking sources.
 - Notes that there are lots of “How”, and example Glossaries
- Cameron pointed to prior [glossary user stories](#) we have gathered
 - There are in our common [Google drive](#)

16 May 2023 Meeting canceled

2 May 2023

Who: Ane, Cameron, Rachel, Brandon

Introductions

Ane

- Created terminology
- Why does your project need a glossary?
- Fields in the spreadsheet
- Will work with glossary
- Moved some things that are redundant
 - Accepted terms (removed)
- Want to create description of

Brandon

- Some terms are accepted/rejected/work-in-project

Ane

- Some terms changing because of inclusivity rules

Brandon

- Finds useful to have “Proposed terms”
- In git, can be in a separate branch
- Want to know the proposed terms

Cameron

- Sounds like governance project
- This is something that is introduced as project matures

Brandon

- Controlled vocabs across columns
- <https://agrisemantics.org/#concepts/>
 - Have guidelines for participation
 - We could copy such guidelines

Ann

- Works on Agro farming too: DFS at Bayer: FieldView

Rob

- OGC is developing vocabs for Agrovoc from FAO
- Cameron - we are not developing vocabs - but an information model that will include mechanisms for linking schemas to vocabs
- <https://www.ogc.org/requests/public-comment-requested-agriculture-information-model-standards-working-group-charter/>

Ane

- Will create terms/terminology template for next meeting
- “Terminology Management Template”

Cameron

- Want fields, which are essential, and which are optional

Once

18 Apr 2023

Who: Cameron, Rachel, Ann, Rob

Summary:

- We have kicked off a fortnightly Glossary meeting in US/APAC timezone, dropped the APAC/EMEA timeslot.
- Actions:
 - Ann/Rachel to continue refining Critical User Journeys for Glossaries
 - Ann to continue to define the glossary metadata fields we want
 - Rob will take metadata fields and propose standard, machine readable field names
 - Rob is developing scripts to extract metadata from spreadsheet -> JSON -> ...
 - Rob is looking for an authoritative git repository for his code, and governance process for maintaining a the schema. This likely should be Good Docs to take ownership of this, but our tech writers might not be ready yet to take this on. Suggest this be led by Rob initially outside of Good Docs, and bring back in later.

Notes:

- Setting up a fortnightly meeting
-
- Rob:
 - Semantically enabling vocabs
 - Binding
 - OpenAPIs
 - Interperability standards
 - Building blocks
 - Want to create a Vocab service
 - Say what vocab you are using
 - Support federation, Say what you are able to know
 - Provinance of the system
 - Non-trivial
 - Research agenda to to connect those docs

- Working with EU
- Keeping tabs on communities
- Demo:
 - Vocab of standards
 - Cross reference with working groups
 - “xxx working group is working on yyy Doc”
 - Building knowledge graph
 - Use case plus template
 - Can read the template, convert to github
 - Colmns: ID, URI, SWG, Doc type, Date, Title
- Want templates for cross reference
- Want to map names to JSON => JSON-LD -> SKOS -> Final form
- Developing scripts: Put into spreadsheet -> github (and remember where it comes from)
- Multiple tools for generating.
- Goal: Want machine readable to generate human readable
- Tools:
 - ingest_json
 - Update_vocabs
 - Annotate_schema
- Glossaries are a special case of Vocabs
- Ane: Note: This tooling is a bigger scope than we’ve looked at so far
 - Note, we can have metadata
- Rachel
 - This use case is bigger
 - Thanks for the brief
- Rob: Profile of SKOS
 - http://defs-dev.opengis.net/profiles/object?uri=http%3A//www.opengis.net/def/metamodel/profiles/skos_shared
- Cameron:
 - Notes: SKOS includes: Term, Definition
 - Acroym is not really included
- Rob:
 - We can add an extension, which we can find from somewhere else, or create our own
 - Create our own Profile of SKOS shared
 - Restricts people to using our metadata fields
- Profile of SKOS shared

Governance: Who owns this and has rights to maintain this?

- Currently maintained under the OGC (Open Geospatial Consortium) by Rob
- Probably should level somewhere else
- Probably The Good Docs? W3id.org where we can set up a permanent identifier

Ane

- Templates around are simple
- Has to be simple

Action:

- Want to set up git repository
- Rob offering to set up scripts in the directory

Rob

- Asking us to reflect back what we have heard
- Asking about Governance
- Probably want a separate glossary repository
 - Will be a code repository
 - Code can be spawned (like a template) for different vocabs

Rachel

- Possibly immature to start a repository now. Probably introduce later after we have created doc templates

Rob

- Can

27 Mar 2023

Who: Cameron, Rachel, Ann, Rob

Notes:

- Cameron has created: [Glossary - Rewiring Australia](#)
 - (Note the “Rendered Glossary” is using Excel formula magic to generate a published format for the glossary.)
- What is convention on capitalization
 - Cameron: In engineering, convention usually is capitalize words that become acronyms
 - Cameron: Google users lower case convention
 - Each project should define their convention
- We started mapping fields to SKOS terms Ane’s Good Docs glossary, in a new tab: [terminologyGoodDocs](#)
 - Rob noted that we can mix and match fields from different schemas (such as from SKOS, schema.org, others)
 - Rob can help us find the correct field names based on our use case
- **Action: Ann** (and Rachel?) to review our prior list of [Glossary Use Cases](#), and see if there are extra use cases we should include. (If you have review comments, maybe add to a Google doc, and then use track changes to suggest edits)
 - Seems there might be another use case for defining word type (noun/verb/...) to facilitate grammatical checking such as from vale.sh. (Michael Jastram might be able to help here)
- **Action: Rob** to Review Ann’s list of glossary fields and suggest schema terms for each field

Next meeting (in 2 weeks), 10 April (US) / 11 April (Australia).

- Rob will talk to using a script to extract terms from an excel spreadsheet
- If we run into technical issues with Zoom again, we will switch to Google meet, details to be shared in slack #glossary channel.

21 Mar 2023

Rob Atkinson, Michael Jastram, Cameron Shorter

Notes

- Rob: Alohandro Vera (in Spain), working on semantic annotation
- OGC API building blocks, SWAGA, ..
 - Definition, creates landing page
 - Self documenting API
 - RESTFUL api, has schemas such as JSON
 - Linking JSON schema fragment models
 - Conceptual models, such as a bounding box
 - GeoPose - I am in this location, looking at ...
 - Can be more complex
 - API is additive
 - Looking at an API for SKOS, for glossaries
 - Serve vocabs that using
 - Semantic model for SKOS
 - Observable properties is on the table for implementation. Has OGC standards
 - Now is scope
 - Formalizing model, controlled vocab
 - Relationship, eg: Sea surface temperature, measure 1.5m below water, measures to use, ...
- Cameron: Reports Tech Writing community has listed glossaries as Priority to focus on
- Rob: Shows a spreadsheet, and tools to suck from spreadsheet to ..
 - Github action
 - https://opengeospatial.github.io/ogc-na-tools/reference/ogc/na/ingest_json/
 - Script which sucks from Google sheet to JSON to git
 - Can validate against profiles
 - Can do transformations, such as to CSV
- Cameron
 - Asking “what is our glossary” schema
 - **Action: Rob will build the JSON schema fragments**
 - Can start from SKOS, but that is too complicated, using SWAGER
 - Rob will provide open source implementation, in docker container
- Michael: Who is using?
 - Rob: A: European Space Agency, other EU interoperability
- Michael has gone through process of standardizing requirements
 - Michael has customers for his API
 -
- Rob: Wanting work under OpenAPI to get a pilot, then will find an owner for API
 - <https://ogcapi.ogc.org/>
- Michael
 - Working with Google on requirement managment and requirement writing

- More interested not able to manage requirements
- People want to make their glossaries available, and evolve and improve them
- Want ontology, because glossary is too limited
- Want connection
- Domain: Product development
 - Analyse text, align text with system model
- Orgs using systems model (sysML)
- Rob Atkinson18:31
 - MModel driven specs
 - <https://github.com/rob-metalinkage/bblocks>
 - <http://cad.surroundaustralia.com/spec.html#parcel>
 - GeoNoven, Dutch gov
 - DIGIWG, defence, want to move from from UML to model driven specs
- Michael
 - Interested in standards based API
 - SysML v2 about to be published
 - Includes an API
 - Opens many use cases
 - To query/modify a sysML model
 - OMG group
 - Good at making API part of standard
- Funding options
 - EU research
 - Can Michael qualify for OGC criteria?
 -

13 Mar 2023 Docs community co-working session APAC/US timezone

Who: Rachel, Ane, Cameron

Notes:

- Ane has shared a proposed spreadsheet of terms:
 - [terminologyGoodDocs](#)
 - [Style Guide - Templates Audit](#)
-
- Looked at proposed schema for terms, based on ISO standards:
 - [Cross-organisation glossaries pilot](#)
 - Standards docs: [Glossary Standards](#)
 - [Cameron Shorter: Halfway status - glossary pilot](#)

27 Feb 2023 Docs community co-working session APAC/US timezone

Who: Rachel, Ane, Cameron

Notes:

- Ane: focusing on defining
- Cameron:
 - <https://thegooddocsproject.dev/docs/glossaries/>
 - Drive for collecting info:
<https://drive.google.com/drive/u/0/folders/1svKT5uWG-zuEGjB0yynGFRcuLdK6-qK6>
 - Cross-organisation glossaries pilot
 - Sources: [Glossary Standards](#)
-

11 Jan 2023

Taxonomy resources:

- [Information Architecture: For the Web and Beyond](#)
- [Amazon.com: Taxonomies: Practical Approaches to Developing and Managing Vocabularies for Digital Information](#)
- [The Accidental Taxonomist](#)
- [Amazon.com: How to Make Sense of Any Mess: Information Architecture for Everybody](#)
- [Put A Label On It: Navigation As Brand--IA Summit 2018](#)
-

1 Nov 2022

Who: Rob, Cameron, Michael

Rob: <https://ardc.edu.au/event/vocabulary-symposium-2022/>

- Proposed talk: Use of Vocab in system of systems
- Australian research data commons
- ISO asked for registries
 - OGC can provide hosting roles
 - Previously adhoc
 - Ribose might also put up their hand
 - OGC might be the registry owner, and might use Ribose to implement
 - Aim to implement
- Have offsider - Andrew Via, full stack developer, working with
- Ran workshop on OGC architecture, publish/find/bind. Doesn't work anymore
 - Move toward knowledge graph

- Michael Gordon from Ordnance Survey
 - Suggests Vocab to describe all standards
 - OGC will be classification vocab
 - Reference model
 - Architecture design patterns, map to interoperability to design patterns
 - Where do patterns live
 - Semantic model
- Provision of vocabs, binding of vocabs
- TOGAF or NAF - not explicit where these live
- EU: 4th industrial revolution, from Auto
- Framework agnostic
- Provide FAIR, linked data, guardrails for standards development
- Vocab to describe things
- Move to “adaptive knowledge graph”
- W3C provenance standard exists
- EU: Aspects of interoperability: Legal, Semantic, ...

Michael

- Talking with customers
- Platform for product development
- Extracting a glossary is one use case
- Talking to automotive. Talking ontologies
- Misunderstanding: Glossary, ontology, controlled vocab, ...
 - How do these relate
 - How do we “sell”/brand this?
- Rob: Eg: UML, class structure for programmers
 - Definition server, lowest denominator is SKOS. Multilingual terminology
 - Shared knowledge structure.
 - SKOS + Native format
 - “Punning” - instances of ...
 - Eg: Schema is based on SKOS
 - Use community centric viewpoints
- Michael:
 - Want a “1 pager” sales paper
- Let’s write: Relationship between vocabs and interoperability enablers
 - Show in 1 diagram pyramid
 - Why we care
- Michael: Talk to decision makers, requirement writers
 - Why do I need something more than a glossary
- Rob has seen a diagram, will look for it
 - What work does each do?
 - Want one source, view, multiple ways
- https://en.wikipedia.org/wiki/Olivier_de_Weck

20 Sept 2022

Rob, Cameron

Citizen science pilots

Data models

Translations between provfiles / vocabs

- Schemas
- Check matching specs
- Connect into metanorma
- Link examples into specs and clauses
- Glossary use case
- Rob has offside, can work on user interfaces, full time. Alohondray
- Full stack developer
- OGC staff
- Requirements for VocPres
- JSON LD add annotations to schemas
- Overlap with glossary
- Terminology can be uniquely identified
- Test cases, example
- Glossary behaviour, what it means as an uplift
- Running a workshop
- Rebuild OGC reference architecture. Used by Services architectures
- Co-oped Architecture board + ...
- In singapore. Ointeroperability
- Legal, Should I use it, Reliable, Bandwidth, Technical,
- Interoperability is a lot more than that
- Different architectures patterns. Work out where different decisions live.

17 May 2022

Who: Rob, Michael, Cameron

Notes:

- Have we validated our use cases?
- Michael: Interested from requirement.
- Cameron
 - As a website owner of tech docs, I want to convey my technical documentation efficiently to my technical audience.
 - Michael: As a **product owner** of tech docs, ...
- Michael
 - Req Mgmt Systems: Want to
- Rob
 - Website owner just needs to invoke the popup.
 - Top quadrant have a plugin which is similar
 - For mass market. Push vs pull.
 - Want to make it mainstream capability.
 - What's Dan's interest
 - If using schema.org

- Enable mainstream use case
 - Identify shared glossary terms
 - Touch point for mass market possibility.
 - Proof of concept of how it could be used
 - Align federated
 - If it is not built into the browser, then it won't work.
 - Test community of best practice "potential" better behaved content.
 - Dan needs his baby to drive this. Is it around schema.org
 - Website owner can't persuade user to the uplift.
- Michael
 - Use case: Reuse glossary
 - Most people use.

Website toolkit

Viral uptake of *shareable glossaries* depends upon the realization of two key use cases:

- **Hover-over term popups:** As owner of a website with domain specific terms,
 - I want to add a glossary file into my website folder,
 - I want my website to automatically recognize this glossary file,
 - I want my website to provide "hover-over popup definitions" for my domain specific terms, which are sourced from my glossary file.
- **A `build-glossary` tool:** As owner of a website with domain specific terms,
 - I want a `build-glossary` tool which finds all the technical terms in my website, as sourced from authoritative glossaries.
 - I want the tool to suggest technical terms I should define. (The terms not found in my source dictionary or glossaries.)
 -
- Rob: If we Google's resources (free OGC time), then we need to make sure we respect the political capital.
 - Not OGC telling Google what to do. Use OGC experience (as domain modelling expertise)
 - Test potential
- Cameron
 - Maybe talk with schema.org
 - Dan's schema.org
- Rob
 - From OGC, open to exploring schema.org, and how we might use it.
 - Will schema.org break by its own design
 - Need governance, relationship between infrastructure and ..
 - Looking to equivalent of Mavin for glossaries
- What can OGC do to meet Google's view of the world
- Meeting with Dan

- Want to understand Dan's goals, so that we can align with Google's plans
- How can we fit in with Google's vision
- We will tune in with
- Talk us a bit future, so we can understand strategy
- Work out most important touch points
- Michael: What is Google's problem?
 - Then we can work toward the solution.
- Schema.org
 - DefinedTerm
 - In DefinedTerm set
 - Could we use this.
- Lets look at a minimum set for DefinedTermSet
- Michael
 - Value is the stuff enabled by glossaries
- Rob
 - Who has used a DefinedTermSet
 - Digital Twin of the Ocean.
 - International Data bases (built on)
 - Are they publishing vocabs internally
 - Meeting in Madrid
 - Systems of Systems discussion
 - Share definitions goal
 - Could use OGC space
- Action: Cameron to look at status of DefinedTermSet
- Action: Michael/Rob to look at Michael's hover-over popup demo. Can it be demoed.
- Michael: Release planned this week

25 Jan 2022

Who: Cameron, Rob, Viraji

Notes:

- Rob
 - Has spreadsheet which talks to a definition server
 - Has web service call
 - Uses light weight profile
 - Downloads doc details
 - Finds ..
 - This spec supercedes that. Looks at relationships
 - Commits back to github repository
 - Definition server:
 - VocPres: <http://www.opengis.net/def/docs/15-111r1>
 - <http://www.opengis.net/def/docs/15-111r1>

Rob Atkinson6:11 PM

<http://www.opengis.net/def/docs/15-111r1>

Rob Atkinson 6:16 PM

http://defs-dev.opengis.net/profiles/object?uri=http%3A//www.opengis.net/def/metamodel/profiles/skos_shared

Google Docs spreadsheet

Will generate machine readable vocab

Push to a git repo

Client to definition server

Can have a complicated version, then need to simply

- Download simple objects
- Add new objects

Convert to SKOS

- Much of the work will be in the spreadsheet (coming)

Rob will set up back end repository

- OGC Definition server
- Suite of tools
- Git + Python + RDF Lib + RDF data source + VocPres (exposes to web)
- Alternative profiles (different software)

Where are you going to put your glossary?

Ancible script, can build a node. Has more moving parts than needed

Need to think about governance of that node.

Work out the functional requirement

Subscribe to multiple glossaries, and record where you got it from

22 Nov 2021

Who: Cameron Shorter, Rob Atkinson, Dan Brickley

Acknowledge multiple lingual thesaurus

Rob: Working for OGC

Inherited Simon Cox definition server for SKOS definitions

URI, definition scheme

Rob working on interoperability problems

Behaviour, people set up APIs, but don't think about what is in the APIs

OGC moving from XML to RESTFUL/OGC/SWAGR/

Rob pushing for JSON-LD, so I can tell you what it is

Rob focusing on: Why do people do it so badly

Rob been using SKOS for 10 years. Good for what it does.

Schema.org get problems of one library to rule them all.

Rob

- Want to get web apis, modularity of standards to be reused
- Concern: want to bring definitions of things via json ld links
- Key enabler is: can you link to glossaries

Dan:

Rob:

- Ontologies want to reference, point to a concept
- Propose a SKOS, each concept is unambiguously identified by a specific authoritative source

Just labels is not enough

Proposal is that glossary is based on skos

What is minimum profile for glossary

Publish via API

Use json ld to publish

Variability of json ld

Eg: use dublin core, but no authoritative source

Rob

- Yes you could profile with SHACL

To implement

- Need SHACL

Subclass doesn't give a formal hierarchy

Dan:

- Dson-ld has complexities
- Other schemas don't have jsonld contexts
- DC : warrick framework
 - Rights languages
 - Media languages
 - ...
 - Had media times
 - Different mime types
 - Didn't gel, because all describing the same thing
 - Over emphasis from schema spec
 - People felt duty to name 25 namespaces
- Shema.org hurt
- Jehar, synch knowledge base, not succeeded yet

Dan

- Tried modularization
- Tried sub-domains
- Sports have multi vocabulary
- Some for real estate
- Conclusion: Can't make modularity extend
- Schema.org is exposure to back end database
- DC, didn't

JSON-LD

- Ralf Swivle from OGC
 - Comment
- Reaction against verbose
- Hide RDF graph
- Working group pushed publishing of xx files
- JSON forces string or xxx contexts
- Can create ugly jsonld to match

Rob:

- Cache
- Want to know if I've changed the definition or syntax (need machine operation)

Rob:

- Walk up hierarchy till you find a context doc
- Design time choice
- Addresses antipatterns (bits of dC all overplace, "huge schema.org")

Use JSON-LD to woo that audience, easier to consume

Need context things to work properly

What is the ask of Dublin Core

- Rob: resolve to a json-ld context
- Bind qnames for DC to URIs
- Overload media-type from Dublin Core
- Binds qnames to URIs
- Goal use JSON schemas with DC

Dan

- Should we write schemas in json ld
- Would be nice to access schema.org mappings
- Nice to be able to say "give me your alignments" to schema.org
- Work in SHACL, JSON-LD,

Rob:

- Don't know where
- Push problem down to user to resolve

Rob:

- Wants to fill in the standard context for sharable
- Want debugged context that can be used
- Want to be able to pull down profiles

JSON-LD is a starter drug

Dan: How do you know good from bad

Http or https uri for json-ld context in 2021

Rob: URI rewriter will be agnostic

Dan: Richard Wallace

- Didn't want context files to be https. Wanted http://..

Makes sense to use json-ld

Rob: Where do you find a good json-ld context?

- Dan: Fall back on working group: Greg or ...

Suggest blog post

- Greg is retired

Want a mapping from jsonld to schema.org

Dan

- Suggest schema
- Rob can create schema
- Want to map to schema.org
- Rob Could use OWL, raw language (doesn't work)

Linked Data

- Applications
 - What should the old name spaces do

CSW work didn't resonate and take off. When you make a standard, it creates work.

- Not many users.
- Thinks we could do at Google.

When you create tooling.

Lots of SKOS out there

16 Nov 2021

Who: Cameron, Viraji, Rob, Michael

Notes:

- Cameron's drafted [Glossary maturity levels](#)
- Rob has drafted Defs Server Use Cases: [glossary workflows](#)

Michael

- Has lots of immature ideas, has a

Viraji

- Carrie is reviewing the Landing Page document
- Will start working on the website content with Bryan Klein

Rob:

- Profiles into a hierarchy
 - SKOS
 - SKOS Proxy (because SKOS doesn't publish a profile)
 - Sharable Glossary

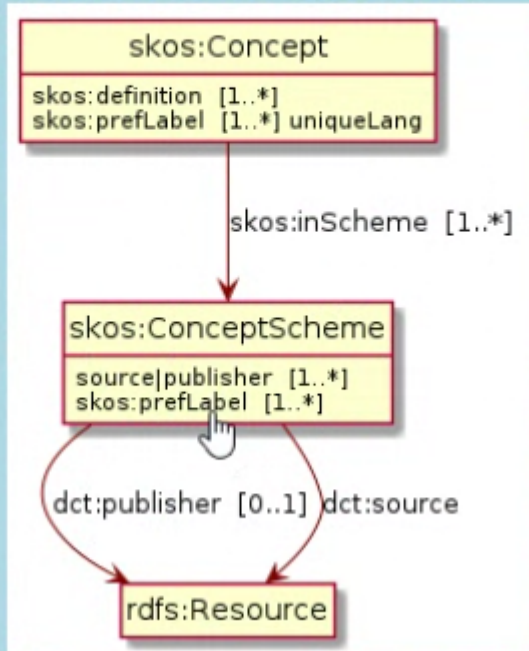
Profile Class Diagram

Format image/png

Object Type Resource Descriptor

comment Crude illustration of profile scope

has artifact



http://defs-dev.opengis.net/profiles/object?uri=http%3A//www.opengis.net/def/metamodel/profiles/skos_shared

← → C Not secure | defs-dev.opengis.net/profiles/object?uri=http%3A//www.opengis.net/def/metamodel/profiles

made by **VocPrez 2.5.9**

Creator	Rob Atkinson
Created	2021-06-09
Modified	2021-06-09
Version Info	Created with TopBraid Composer
Concept Hierarchy	expand all, click '+' to expand individually

search term
Search

- DEMETER AgriAlert (https://w3id.org/demeter/agri/agriAlert)
- DEMETER AgriCommon (https://w3id.org/demeter/agri/agriCommon)
- DEMETER AgriCrop (https://w3id.org/demeter/agri/agriCrop)
- + DEMETER AgriFeature (https://w3id.org/demeter/agri/agriFeature)
- DEMETER AgriIntervention (https://w3id.org/demeter/agri/agriIntervention)
- DEMETER AgriPest (https://w3id.org/demeter/agri/agriPest)
- DEMETER AgriProduct (https://w3id.org/demeter/agri/agriProduct)
- DEMETER AgriProperty (https://w3id.org/demeter/agri/agriProperty)
- DEMETER AgriSystem (https://w3id.org/demeter/agri/agriSystem)
- DEMETER Agriculture Information Model (AIM) domain ontology (https://w3id.org/demeter/agri)
- DEMETER Cross-Domain (https://w3id.org/demeter/crossDomain)
- DEMETER core meta-model (https://w3id.org/demeter/core)
- + Data Catalog Vocabulary (DCAT) (http://www.w3.org/ns/dcat)
- SKOS Simple Knowledge Organization System (http://www.w3.org/2004/02/skos/core)
 - SKOS Proxy
 - Shareable SKOS
 - SKOS (OGC Profile)
 - SKOS ConceptScheme

Date Modified	06/09/2021
Object Type	http://www.w3.org/2004/02/skos/core#ConceptScheme
Preferred Label	Interoperability Profiles
Provenance	Actual content for this is managed using descriptions using the PROF vocab, and entailed as SKOS objects from sources under definitions/profiles/-prof>.ttl in this repository
comment	A set of profiles describing resources available via the OGC definitions server. Drives the provision of the alternates (all) view in content negotiation by profile.
created	06/09/2021
creator	Rob Atkinson

Michael:

- Is there a tutorial?
- Rob: It is on my todo list
- Rob:

http://defs-dev.opengis.net/vocprez/object?uri=http%3A//www.opengis.net/def/about&CSNUMBER=26020&_profile=alt&_view=concept&artifact_id=75119&csnumber=26012&format=pdf

Michael:

- Suggests a public web page, with links to use cases
 - Users: Business people, Tech people

Rob has scripts

- Has github actions which does validation of profiles
- Auto updates sites
- Will use these profiles to drive validation of content.

5 Nov 2021

Who: Rob, Cameron

Notes:

- Gang of Four: 4+1 pattern
 1. Define concept schema
 2. Formalize as a series of artifacts: SHACL constraints, OWL artifacts

Problem with OWL: You make statement of all. It will pollute your system.

Distributed environment

- Graph closure
- What is true in your context
- What you pull in is important

RDFS

- Can declare domain and range
- “Furiness assigned to cat, implies all furiness is defining a cat”

So don't want to infer stuff that you don't know about.

OWL is common way for scraping profiles.

- Many profiles
- Reasoning rules
- Not much consistency

SHACL

Contract is that we publish a profile, we should provide

- SKOS
- OWL
- HTML
- JSON-LD context document (could reference SKOS context doc or Dublin Core context doc)

What do we need to make it useful to the community

JSON can be converted into URI

<https://json-ld.org/playground>

There should be a conical SKOS profile.

JSON-LD context for SKOS-Shared

Shared JSON-LD context uses proxies

OGC has stuff which logically exists

Want rest of things to be

Rob Atkinson 8:36 AM

```
{ "@context": "http://defs-dev.opengis.net/ogc-na/definitions/profiles/resources/skos.jsonld",
  "@type": "skos:Concept",
  "@id": "http://myvocab/frog",
  "prefLabel": "frog"
}
```

For documenting, we want to be able to find resources.

Need schema harmonization.

Are you converge and reuse terms. Understand interoperability

Or are you going to diverge (by reinventing terms)

ISO have process have 5 year cycles.

What if we could share the terminologies

Use goes to glossary, find terms which are relevant

Auto incorporate. Goes to online.

URI

Description in SKOS

Provenience is transparent

- Concept belongs to Concept Scheme points to

Maturity levels

- Schemes should self document

Want self documenting

- Less on writing the document
- Write snippets which get aggregated

Self documenting systems

- Designer can bring

Antipattern

- Too much
- Too little

SKOS doesn't have a JSON-LD context (which is newer)

Want modular JSON-LD interact with each other

- SKOS doesn't publish JSON-LD
- Schema+Context

Tech problems:

- Avoid namespace clashes
- Key models not available (yet) in the modern form. API friendly JSON-LD
 - SKOS, DCTERMS, DCAT, etc

Terms that we need vs Terms which are hard to access

Is schema.org an antipattern? Now massive. Doesn't reuse.

- Flat model
- It is huge, needs to be cached offline.
- No modularity
- Not distributed
-

Who is the publisher of the source

- Friend of a Friend. Relationship net. FOAF
- Widely used

Tutorial within SHACL uses “how to add an acronym”

02 Nov 2021

Who: Viraji, Rob

Notes:

- Viraji:
 - Working on comments by Carrie Crowe to the Glossary Project Landing Page draft doc at:
https://docs.google.com/document/d/1CGxnEfFLxYU-xjjDCbLOq8hKf0xLZ_fbMyO-uYdj5I4/edit?usp=sharing