

Attribution Call (every other week 1:00 CT/11:00 PT)

<https://northwestern.bluejeans.com/513209825>

Meeting 2020.2.13

Attendees: Kristi, Nicole, Juliane S, Lisa

1. FAIR landscape mapping for the attribution project
 - a. NCATS ask that we understand context of projects in FAIR ecosystem
 - b. Mapping the project is probably the easiest way to do this.
 - c. <https://github.com/data2health/resource-discovery/projects>
 - i. Mapping needs to be done for each project.
 1. Attribution - Nicole
 2. Personas -
 3. Invenio (in progress on project board) -
 4. Juliane to take a look, do some basic run throughs.
 - a. We will start a spreadsheet. Also see: InvenioRDM
 - ii. Due dates? Kristi is waiting to hear from D.E.
2. Technical paper - status and next steps
 - a. Is Matt done with his 2/7 deadline?
 - i. Nicole not sure what else to do to move this ahead
 - ii. Kristi emailed Matt, Nicole, Melissa, Lisa on 2/16 to restart discussion.
 - iii. Paper:
https://docs.google.com/document/d/1wP1igNAEnmNmBtngNyj24Bkpww5dqDYLjsQr_WOmGpk/edit#
 - iv. Model:
<https://contributor-attribution-model.readthedocs.io/en/latest/introduction.html>
3. Position paper - status and next steps
 - a. Paper must go out somewhere. This will allow us to reference it right after for a policy paper.
 - i. Policy paper - Nature or some data related journal (GigaScience?)
 1. KH to start it
4. Authorship paper - update
 - a. Nicole scheduled meeting for JS, Violeta and some other people
 - i. We might be able to represent open data/systems graphically. Colors (green=open. red=closed and super bad)
 - ii. Everything needs to be done by 2/28
 - iii. Manubot? Sam to input into Manubot. While it's out for review we can keep working on perspective piece and incorporate any updates in new draft
5. CRediT ontology paper - why we need
 - a. KH to go through paper. Plan to get it out by 4/1

Meeting 2020.1.30

Attendees: Kristi, Nicole, Lisa

1. <https://github.com/data2health/resource-discovery/issues/9#event-2825994612>
2. Make sure everyone on the author list is aware. Nicole to write/send instructions on how to add name and contributions on github.
3. Kristi and Nicole to pick out more nuanced contributor roles
 - a. Don't make CRO roles supercede CRediT.
4. We could do a lay summary of paper when we get it done.
5. Should have some sort of visuals in paper on which they can focus differently
6. Vignette boxes
7. Github ticket of FAIR analysis
8. CRediT ontology paper - why we need

Meeting 2019.12.19

Attendees: Kristi, MJ, Nicole, Lisa

Agenda:

1. RPPR
2. Meeting earlier this week with some of the CRediT people.
3. Pop-up at FORCE 2019. Lots of interest and discussion. Writing commentary about authorship.
 - a. 1st draft 1/15.
 - b. Ready to go 2/1

Meeting 2019.11.21

Attendees: Kristi, Nicole, Marijane, Lisa

Agenda (30m meeting)

- Review [Guidebook chapter](#), make revisions
 - We sent out the call for comments last week, no responses outside of our group.
 - Per group consensus Kristi will send out an email saying we need to move forward.
 - Kristi to add very short part about lessons learned, how we use this on campus.
 - Lisa to check in with everyone on 12/2. Need to get our completed version to Connor COB 12/3 as they'll have a lot to add from all groups.
- [Commentary on authorship](#) through Force11 (Nicole, Kristi)
 - Kristi to request commentary by 12/13.
 - Marijane pondering her bandwidth to join
- [CAM](#) - any updates on this? (Matt)
- CRO - can Marijane release new version of ontology by end of year?
 - Yes! Nicole did a bunch of work and MJ will look at PR after Nicole makes a few changes.
 - Kristi feels there are a couple of definitions still open.
 - Kristi sent out request for input on community role.

- Github issue from Matt - phrasing of roles.

Meeting 2019.10.24

Attendees

Agenda

- Follow up from Force2019 meeting
 - Nicole and Kristi presented [poster](#), had a lot of attention and lots of discussions (however, we did not win best poster prize)
 - Pop-up lunch time discussion, notes [here](#)
 - Action item: Commentary on what it means to be an author ([doc](#))
- Nicole will present a talk and poster at Rocky Bioinformatics conf in Dec

Meeting 2019.10.10 - CANCELED THIS WEEK.

Agenda:

- Marijane's CD2H funding and wrap-up tasks
 - Per MJ, "two big tasks I think I should do, I need to fix the CRO repository so that the Travis CI tests pass, and we should do another release because we've added so much stuff since the last release."
 - SPARQL query task for wikidata

Meeting 2019.9.12

Attendees: Call was canceled due to absences (Matt, Nicole, Melissa)

Meeting 2019.8.29

Attendees: Kristi, Nicole, Marijane, Lisa, Matt . **Regrets:** Melissa

- Closed issues as appropriate in github
 - Acknowledgement work (from Dave) has no issues
- Demonstrator app github ticket: https://github.com/data2health/architecting_attribution/issues/23
- Kristi talked to Richard of Rescognito about how we might demonstrate our work. <https://rescognito.com/about.php> - uses CRediT. Uses ORCIDs but doesn't feed back to ORCID.
 - More on Rescognito: Richard Wynne, founder of Rescognito, presenting at [Transforming Research Conference](#) – September 2019, Rescognito updated to support Institutional Recognition - August 2019, [ORCID blog posting about Rescognito](#) - July 2019, [White Paper about measuring research impact](#) - June 2019, Rescognito Beta Launched - June 2019
- Since Melissa wants pre-prints out by fall meeting, could we use this as example, identify as future work area?

- MJ - might he be open to putting CRO in there?
 - How can we modularize ontology so people can pick what's most relevant for their field.
 - If we found an ontology that describes academic fields to say which roles are pertinent to a field we could pull it out by theories
 - Matt -in OBO, tagging things with subset tags
 - KH - northwestern does a lot of normalization of citations based on domains
- Matt - we should capture person who asserted someone should get credit. That's something that wasn't a requirement for our data model.
 - Find other examples for Matt
- Matt meeting with Shahem for read the docs, moving things from google doc to read the docs (Nicole). Matt to synch with Nicole
- MJ - exploring wikidata work - has not had a chance to get into SPARQL querying stuff. Might be easier to manually look at resource types and document.
 - Matt - SPARQL will allow us to dynamically generate. Matt will try to connect MJ to someone who can help.
- For use cases - Matt wants JSON data, RDF data. #13 on github
- Force2019 conf (Nicole and Kristi)

Meeting 2019.8.22

Attendees: Kristi, Nicole, Marijane, Matt, Lisa

Agenda:

- Thoughts about a slim version of the CRO to make it easier to communicate and implement?
- Products, outstanding items, timeline discussion
- Anything to hand out at the meeting:? Do we need printing?
- 1-pager - discuss and approve

Meeting 2019.8.22

Attendees: Kristi, Nicole, Marijane, Matt, Lisa

Agenda:

- Feedback about resource types: "We all agree it needs to get done but not in scope to do a very complete job by September" - Matt
 - There's a lot in this space.

- Can start by looking at the landscape, look at short- and long-term goals.
- Leverage Wikidata (idea from Monday meeting with Melissa)
 - Quick and dirty ways - SPARQL queries? Identify all categories that might contain research artifacts types. Query for those and their subtypes, extract.
 - Nicole and Marijane mapped all COAR to Wikidata terms
 - Use their version of SKOS relationships
 - MJ needs to create an account and “just do it”
 - Kristi - we have done a lot of work here (Sara and resource data types/Invenio). We have mapped all COAR as well as MeSH and FAST. It’s also helping to build some of the faceted search
 - Kristi says focus on COAR and some of the most relevant MeSH headings.
 - Matt - do your mappings play nice with Wikidata being the “source of truth”?
 - COAR is the standard way of describing research objects. Makes sense to get it into Wikidata and let it evolve from that.
 - Matt - we just want to be able to point users at a recommended value set where they can type their artefacts.
 - Kristi - your data model spec, might be a way for us to say “here’s a straightforward way to represent this but you may also consider some of these (straight MeSH, whatever)”
 - Kristi - COAR has done a lot of work on interoperability, technologies that support next gen functionality.
 - COAR really keen to promote, help publicize any work that promotes interoperability.
 - Matt - MJ can you help with this? You are best qualified. MJ: Yes
 - Matt - release by end of September?
 - KH - we should confirm timing with Melissa and the timeline is now September 6.
 - Matt to follow up with Melissa.
 - Kristi will put something on Slack channel to general people to engage in this work.
 - WikiProject Ontology:
 - https://www.wikidata.org/wiki/Wikidata:WikiProject_Ontology

[Draft of resource object types](#)

Meeting 2019.08.12

Attendees: Kristi, Matt B, Nicole, Lisa

Agenda:

- Open issues and next steps
 - Closed github issues that are no longer relevant
- Matt asked for an overview of our projects. Kristi took the lead on sharing our work, including: CRO, repositories, related work.
 - During ORCID call talked about crediting team scientists as well as humetrics work. All complimentary to the work we are doing.
 - Matt also asked about our eval/engagement plans
 - We have reached out to everyone who has indicated interest in this project.
 - DataCite and ORCID talks.
 - Workshop will pull together all related pieces. Still waiting on \$\$
 - Matt wants to understand what ORCID data looks like, how they see themselves using this model? Would like us to think about the requirements to get concrete use cases, competencies. Asked Kristi to lead this
 - Kristi: we've looked at data and models from different systems (select set of examples) links to repos, apis.
 - Kristi will share with Matt.
 - object types and research artifacts discussion at ORCID today. How do you give them a space for things they want to represent?
 - **Paper - outstanding items and action plan**
 - Preprint done, data model JSON Schema in tabular format done in next 4-5 weeks.
 - Matt, Melissa and Nicole met yesterday. From that meeting
 - Notes [here](#)
 - Recommend certain vocabularies, Nicole says we should go ahead without creating the ROO
 - For now moving ahead without formalizing a complete ontology, although it would be valuable and something to do in the future.
 - Kristi - important to really understand research object types and how they are valuable to people.
 - Matt - we should pull out all that's done in research object types, understanding which elements are most important. Any spreadsheets mapping the terms is useful.
 - Ask Sara for data model for MeSH and Library of Congress FAST.
 - Look at what exists as far as research objects. Matt starting google doc. ROO, the COAR, NLM.

What existing terms are there? What do they cover? Metrics? AND what work has been done to integrate and harmonize

- - **Demonstration**
 - Matt asks for clarification of activities over contribution
 - Suggests we look at tickets in contribution data role
- **Google doc to start documenting existing research output type terminologies and harmonization efforts:**
 - https://docs.google.com/document/d/1EmUsjmMh2aEX5uC1oG24hmL1YSggzmcbUfW3Dk_RQyl/edit#
 -

Work through December - priorities

Meeting 2019.06.25

Attendees: Melissa, Kristi, Nicole, Anne, Marijane, Lisa

- We settled on August 28-29 (Chicago) to have first attribution workshop.
 - Workshop will focus on social aspects of credit, be oriented towards hubs, a feel good event.
 - We will pair faculty and non-faculty from a hub in order to build a ready-made team at the hub, advocates of this work going forward. Attribution missionaries, if you will.
 - Hackathon component
 - 40-50 attendees, idea. First come, first serve basis.
 - Work w CLIC to have some sort of announcement, find out how they've funded participation for people.
- Matt went over the CRO contribution model plan.

Comments from Matt's [CRO Project Plan](#).

- Melissa asks, what is missing?
- NV and MW call it reasonable, articulated well. Good overview of what we need to produce
- Melissa would like us to do all work in Architecting Attribution repo.
- Marijane says documentation can live there.
- Matt asks if JSON-LD would need its own repo. **We need to figure this out**
- Melissa says architecting attribution org with github pointing to it.
 - Matt says it might make sense.
 - Marijane counters that we've already moved a couple times.
 - At all-hands we can think/talk more about this, suggests Melissa.
 - Git has submodules feature. Could we use that to link everything, asks Marijane?

Walked through Matt's [CRO Information Model Proposal](#)

- Model 1 is structurally and semantically aligned with previous discussions with Melissa.
- Model 2 is very similar, lays out a few minor differences
- Model 3 similar in scope, structure but a bit more complex. Given how Prov is specified you need an activity and reified association when describing contribution roles. Matt is open to exploring using this but may be more complex than we need. Simple is better.
- Model 4 - Vivo toying with new contribution model, more complex than original and more than what we're going for here.

Comments on proposal

- Melissa wants to know what people have heard from Prov or Vivo.
 - Anne hasn't talked to them. Might be worth contacting them
 - Anne says Vivo doc is straight from Mike Conlon.
 - Kristi: NISO research outputs types was something modeled according to recommended practice that went under massive input and peer review but not implemented in anything.
 - Marijane will look and comment.
 - Matt open to contacting Prov. Might be a tiny request that would enable them to make changes so we could use it.
 - Kristi says the stuff that's implemented in Vivo is NOT the stuff we're doing now.

BEWARE

Next steps

- Please read and provide feedback on the docs so we can make a decision on the proposed contribution model, get into the details.
 - Note: 6/26 - received feedback from Anne via email. Here:
 - *I suspect there needs to be a bit of cost benefit analysis to decide to use a new standard or an existing standard. I don't know your user community well enough to be able to put estimates on any of this stuff. The best suggestion I can make is to talk to one or two of the people who will actually be making the decision to implement whatever you decide to do. One thing I've learned is that you can't assume because something is easier/better to you that the decision-maker will also think it is easier/better. I think it is worth it to feel out the powers that be at PROV and see about adjusting what they have. If they say no, find out why. Otherwise, it looks like a robust model that will serve many needs.*
- Send Matt examples of real life use cases. Are there groups who want to use this? Send data they have so we can see if it meets requirements.
- Timeline: Matt thinks the model should be 'fairly simple'. Biggest challenge is getting eyeballs on it. Once we agree it will take a couple months time.
- Need to decide what needs to be done by August, by September.

Sprint planning

2019. 06.20

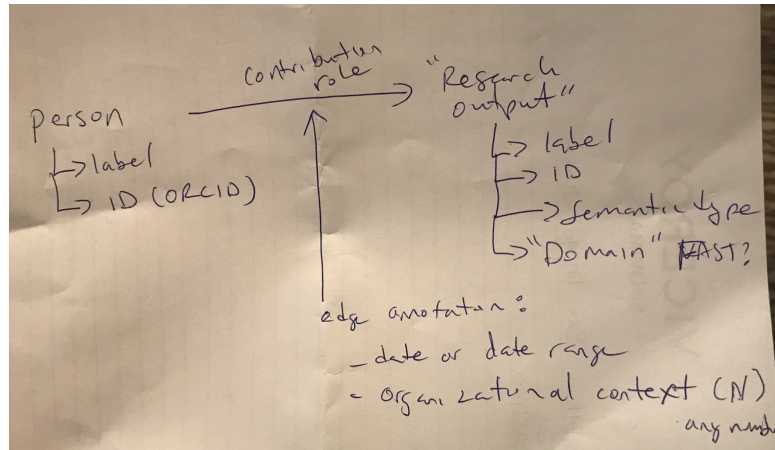
Attendees, Nicole, Marijane, Kristi, Lisa

1. Kristi walks us through her critical references and how she's used CRO and CRedIT to annotate them. Feels like we might have too many roles. Asks the group if there's a way we can have things roll up into more 'generic' titles
2. Marijane walked us through the ontology as it is in bioportal so we could see the hierarchy. Much more usable, as compared to how it appears in Ontobee.
3. Kristi talked w ppl at Datacite. Most of DOIs they get from CrossRef that isn't about publications comes across as text. They can't identify it as a digital object. They'd like to integrate things like contributor roles to with things like ORCID but right now there's "too much stuff". How do we serve all masters?
4. Datacite would like have level resource types - "thesis"
 - a. Talked about using MenRva resource types
5. Marijane - we'd probably have to have discussions with any org who wants to use this, help them think through, 'how to use this stuff'.
 - a. If we want to rename something we need to make sure the stuff under it fits . Be careful about understanding why it got named something in the first place.
 - b. If we want to change anything, create a ticket in github.
6. What's next?
 - a. How often do we release?
 - b. Nicole: maybe we release monthly or every other month?
7. Moved on to sprint planning
8. When we update items in wikidata/coar send it out in newsletter

2019.06.06

Attendees: Nicole, Melissa, Lisa, Matt

1. Decisions to finalize technical implementation and documentation for attribution contribution model
2. Beyond the ontology, need to decide on schema for use
3. Need to align with what is happening in GAG4H
4. Make a plan for implementation guide - will need before the Attribution workshop
 - a. CTSA focused
 - b. Could we do the workshop in early September?
5. Deadline - end of September
6. CRO is ontology of contributions - terms will be used to tag datasets
 - a. Not an ontology used to structure data
 - b. Proposing data model in which these terms would be use



- c.
7. Matt should create documentation for implementation guide
8. Workshop - bring your own project/data and implement stuff
9. Annotation format - tab version of populating model
 - a. Draft format here:

<https://docs.google.com/spreadsheets/d/1sqDi2RtErDUqP1ovyV45Cz07vYvxnpYQjwBVJt2k3a8/edit#gid=0>
 - b. schema needs to map columns to tab file
 - c. contribution role is related to ORCID
 - d. do not necessarily need names but including names helps with human readability
 - e. some specific things need to be in place for this to work with ORCID
 - f. Anne Thessen can help with the ORCID end of things
 - g. ORCID - need to be able to push association information into RDMs, other.
10. ACTION (Matt): Need a ReadTheDocs documentation for three components
 - a. Ontology
 - b. Schema - spec'd as an information model, need a diagram, document
 - c. Instant implementations: json, tab file
 - i. Tab template
 - ii. Json schema, written in json schema definition language
11. ACTION (Nicole, Kristi and Lisa): Need to write up motivation, use cases
12. Look at approach for reusable guidebook chapter - brought in lay perspective, then there is a deep dive below the fold
13. In ReadTheDocs - can we have the expanded version/snippets for content, rather than just the link?
14. Once we have these pieces in place, then we'll work on convincing others to use it
15. Need to help people understand - for journals and standard information systems - need to understand culture shift. CREDIT was a culture shift. Need to make it easier for people to care about things like this
16. new framework for Zenodo: <https://inveniosoftware.org/blog/2019-04-29-rdm/>
17. Make sure schema we have is subsumed by ORCID schema or otherwise easily mapped to ORCID schema:

<https://support.orcid.org/hc/en-us/articles/360006895934-What-schema-does-ORCID-us-e->

18. <https://members.orcid.org/api/tutorial>

19. Matt will start with a couple UML diagrams with potential schemas

20. We need to keep it simple for the simplest of users but we can also have different implementations (Melissa)

21. ACTION: We should have a process standard for capturing contributions for GAG4H

22. ACTION: Sapphire should be on screen more often.

23. Kristi to share inspiration with Matt:

https://github.com/data2health/architecting_attribution

24.

2019.02.07

Attendees: Kristi, Dave, Marijane, Nicole, Patty, Karen, Tricia
Regrets:

Agenda & Notes

Attribution F2F in Chicago, Feb 21-22

- Planning document [here](#)

Github repo at https://github.com/data2health/architecting_attribution

- Thanks, Nicole!
- Adding content
- deliverables/issues
- Timeline

Attribution workshop

- May 30-31 OR June 3-4

2019.01.31

Attendees: Kristi, Dave, Marijane, Nicole, Patty, Karen, Tricia
Regrets:

Agenda & Notes

Attribution F2F in Chicago, Feb 21-22

- Planning document [here](#)
- Goals?

- Outputs for the iDTF meeting? For other outreach?
- Logistics - flights, hotel, arrival/departure times
- Template and language/elevator speech to be prepared with the message.
 - Early version of contributor ontology on VIVO. Karen recommends to try this out to help with outcome of project. **AI - All** should try this - homework.
 - Current version of the work [deposited here](#) (from PID meeting)

Attribution Symposium Planning

- Scheduling: <https://doodle.com/poll/9m55ex2i4vcr8c35>
- Planning document [here](#)
- Naming - maybe "symphony"?

NISO research outputs to VIVO-ISF terms, in this spreadsheet - Nicole

- feel like some of these terms would be suitable to add to the VIVO-ISF, make edits directly?
- Next steps with mapping

AI - Tricia will move the meeting to back up to end of PEA meeting, still every other week.

Attribution Meeting with Kristi, Dave, Melissa, Nicole
F2F Rocky Bioinformatics, Snowmass, CO
12/08/18

Relevant links:

[Melissa's PIDapoloosa slides](#)

[Attribution annotations](#)

[Outputs & Activities_MAPPING](#)

Contributor roles - need to make sure this ontology reflects the credit ontology

Credit ontology has already been implemented by a number of publishers

CO is a Jax standard

First CRO - reflects classes that folks have reported to us - what people want to receive credit for

- first step was to build the ontology based on real use cases

- next step is to align it with the credit ontology

Credit- original

Doesn't represent contribution on big project

Represents credit on a single research object

Credit taxonomy - conflates these roles: parts of a whole (like a project)

some contributions that don't ever translate into an object contribution
for example envisioning the project - this could be the professor who doesn't have an active role in the lab, just comes up with the ideas

Could be performing analysis that doesn't make it into a paper

Intangible objects - project vision as a thing

Things people are creating - virtual concept

We need a way to annotate the file with research objects

Annotation files could hold versions or preprints

Hard to get buy in from publishers

Are open to the idea of making what they implemented work better

Want to map out a view

Annotation file could have a specification that drives the underlying data model

Could project out what the publishers chose to have or want to achieve

Contribution to research object

Project - bigger concept - many things are connected

Show what roles people are playing in the various aspects of the project

credit taxonomy concepts as a simple structure and work off those to make them more nuanced

we have two representations of this model:

one for project

one for research object

Projects:

Where do you put the original proposal: as a project or a research object?

Working group at NISO - came up with research outputs list

Includes recommended practice

Object types at the NLM (publication types) - part of MeSH

Very diverse selection of things - that is what Kristi uses in own repository

Research outputs:

Looked at research information systems and cross mapped them to one another

If a company is spending the time to represent something in their data model - they want to give customer something they want

we want what we do to be valuable and easy to implement into existing research systems

wherever there is overlap with existing models - just need to reuse this

research output types - NISO

Attributing contribution to a research object - having the dual research object ontology

-

melissa:

who are all the people who worked on this component - transitivity - worked on a component, therefore worked on the package

schema or file format for making the associations

person x contributed to item y at a given time point

what do we want to know about how someone contributed?

Example: ontology term

term editing role

date that you did it

organization where the work was completed?

AI: Kristi: review Melissa's slides from PIDapalooza slides, inquire about someone attending <https://pidapalooza.org/>

-

for the entity types in NISO - should be mapped to identifiers

make a bridge file with extra annotation such as 'higher level subject', and the annotation would be the output class

need a data model for which kinds of entities can go into which slots

we need a simple model - person and some entity (what kinds of entities are we allowed to choose from)

Contribution role is annotated with date or date range

Ontology (ish) Meeting

11.14.18

Attendees: Kristi, Dave, Nicole V., Karen G., Patty Smith, Annie, Sara Gonzales, Melissa

Northwestern

Karen Gutzman

Patty Smith

Annie Wescott

Sara Gonzales

Kristi Holmes

OSU/OHSU

Melissa

Nicole V.

Iowa

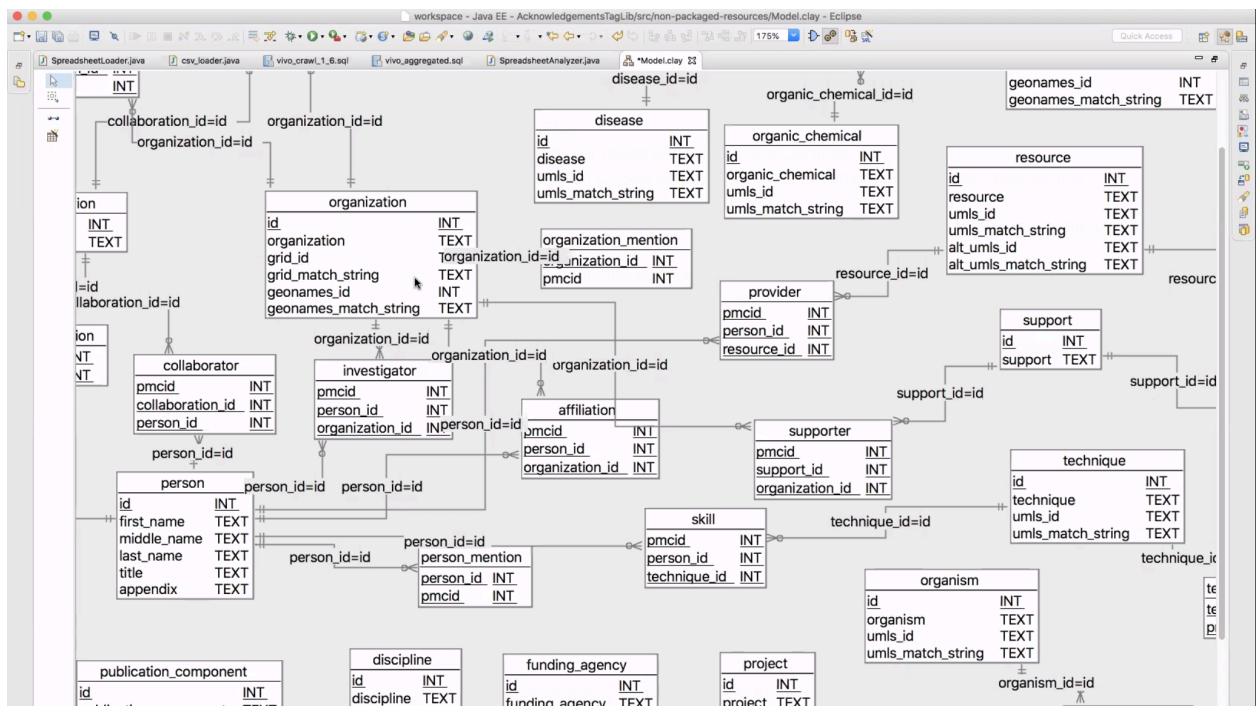
Dave Eichmann

Attribution - 4 areas to scratch the surface

1. OWL version of the credit ontology
2. Contribution role ontology
 - a. Hope to find some time today to review and make next plan
 - b. **AI** - get list from Dave, what do people want acknowledgement for - share with Nicole
 - c. Challenge - person can be in multiple roles giving multiple types of contributions to products
 - d. **Nicole** - do demo of contribution role ontology next time we meet, ask MJ if there are any open action items/questions
 - e. **MJ** - share ontology development for VIVO-ISF
3. Research product ontology? - do we instead need an annotation file? annotation file format/structure.
 - a. Already have content in VIVO-ISF, eagle-i
 - b. Example - Gene Ontology - GO is an ontology of concepts, functions, cellular locations, then there is a [gene association file](#) - which genes are annotated to which gene functions and which concepts - basically a tab file/spreadsheet
 - i. Add IDs with contribution roles, eg CREDIT_00000013 'writing original draft role'
 - ii. This structure could be used in different contexts

- iii. This is instance level data
 - iv. We already have the types of things in the VIVO-ISF, ERO - may need some more development to update these ontologies
 - 1. Can add what is missing
 - v. Need to think about how to represent this information on the instance level
 - vi. This file can go anywhere, like in GitHub repo, as part of biosketch as a computable element, could be imported to ORCID
 - vii. Idea for invenio platform for front end of profiling system
 - c. Kristi - if we develop a way to represent this in a computationally available manner - theoretically, you could develop applications that sit on top of things that render lay summaries of research contributions
 - d. Computable nugget that could be easily imported - just a tab file
 - e. This is why the gene association format has been so successful, it is just a tab file
 - f. What does the model look like? **AI - Matt Brush** could help with this
 - g. Need a strawman and need to get feedback from stakeholders
 - h. **AI** - create a google spreadsheet, what would need to be in the tab file
 - i. Could be presented at Rocky - add to poster
 - i. **AI** - what is status of VIVO-ISF, can this be the content home for research objects that we reference
4. How do we create ecosystem of connectivity between these types of things. Thinking of Dave's discovery platform to represent educational resources (N-lighten), software (coming from GitHub), papers (from profiling systems), etc.
- a. On instance level, we want to connect all of this for discovery purposes
 - b. The person is the nexus of this content type
 - c. Idea that we don't have a good 'in the cloud' personal profile system - VIVO was this at one point, but could be updated.
 - i. Invenio platform (<https://invenio-software.org/>) for representing content types and people, has communities built in, we could consider enhancing this with a module for user profile centric view
 - 1. Include managing datasets for discovery
 - d. **AI - Kristi/Dave** - discuss invenio while they are together in Chicago
5. Kristi - challenges
- a. On sustainability group for VIVO - trying to do a SWOT analysis for VIVO
 - i. Concerns for VIVO - technology platform, the core stack has not been developed enough. Hard to find developers and team that want to implement the VIVO core.
6. Question about role of developing a library focused data repository/content repository in context of CTSA.
- a. Want better collab b/w CTSA's and Libraries
 - b. Most ppl in CTSA's are not interested in putting data in public repo b/c it is clinical/private data

- c. Offers a robust resource to help institutions to use good data practice and also exposes the landing pages for discovery by any indexing work
 - d. Also offers a simple way for any institution to start using the attribution work without having to deal with the huge cultural lift of tackling P&T workflows and local tradition.
 - e. Can we have some kind of cross talk with regard to metadata to make the data more discoverable?
7. DevSci (developmental sciences institute) - <https://devsci.northwestern.edu/>
 - a. Need a way for org to represent data assets whether they are open, secure or other
 8. Opportunity on metadata side of things - design choices that could be improved
 9. How do we connect dots between people and their contributions?
 10. Dave:



In text of document, need better identifier in the methods???matching section.

Having some sort of aggregation, curated source of truth - stored version of it in the cloud. That you could pull and collate locally. Can also be used for quality control.

Annotation platform idea - tab file for every publication.

Could give the Monarch or Translator data stores - for links. However, the people on the paper is you don't know who - what person - has what expertise. We could pilot the tab idea with a publisher.

Can we get NLM to fund - get a meeting with NLM. Give them examples.

11. Contribution ontology demo - given by **AI - Nicole**

AI - Kristi - create draft document on schema for annotation file.

Example of GO annotation file format:

<http://www.geneontology.org/page/go-annotation-file-formats>

Attribution Meeting

10.8.18

Attendees: Marijane, Nicole, Kristi, Sara, Tricia

Goal to recruit people - to have a community driven effort.

Culture, technology and institutional knowledge - this is the right time when the all come together. Working together, align.

Melissa has mentioned a research-objects ontology. Marijane said she needs to research it further. The attributions for the research-objects.

How knowledge concepts travel through research objects(?).

- Clinical guidelines - you can move forward or backward.

Figure out a way for institutions to identify these other research-objects.

Maybe annotate parent records.

Per Kristi, goal of this meeting: "Meeting up with Marijane to get an introduction to the site and perhaps discuss what each of our sites have done so far later this week while you are out of town? It might be easier to use this to get the ball rolling and I know that I would appreciate a guided tour of the GitHub space, if Marijane would be willing to do so with us."

- Marijane to give tour of the github repository.
- Marijane early user of the ontology toolkit(?). Has gotten some errors (bleeding edge).
- W31d.org to CASRAI credit site, go to raw OWL file
- Need to give CASRAI credit in papers;
 - OHSU built ontology on CASRAI product, want to give them credit
- **AI - Marijane** - Kristi asked for the url of the paper with the doi
- JATS -
- Marijane mentioned - Ontology implementation and credit is ready to go with some minor tweaks
- Marijane - showed Protege tutorial
- Marijane - did an initial release of data2health/credit-ontology
- data2health/contributor-role-ontology
- Melissa and Nicole went through spreadsheet from Kristi's group

- Kristi mentioned potential enhancement - building on credit framework - use their taxonomy as placed on their ontology. Marijane said best to treat them as synonyms. Use OBO synonym relationships.
- Many upper-ontologies out there (like schema.org), set this up where they can drop it in and use it with their existing vocabularies
- Kristi - maybe use some of the journal classifications - targeted at specific fields - so they won't be overwhelmed by the whole. Something to be done down the road. Make it easy for people to do this.
 - Marijane - have bridge files. Bridge file to schema.org, bridge file to y, bridge file to z.

Nicole had some clarifying questions for Kristi.

Marijane - will have everyone review the contributor-role-ontology

Marijane mentioned - not hard to rearrange things or move things

Create documentation - how contribution role credit has to do with an object.

VIVO slack - Marijane mentioned Mike Conlon - incorporated how Grants are going to be used

Maybe extend the invitation to Mike and VIVO community when Kristi see Mike.

Current ID holders (editors) - Marijane, Nicole, Melissa; others have to set up github ticket

Next Steps

People look at it

Review/edit it

Pair it down

Organized to make sense in Parent/child relationships

Need definitions - what do we see as best practices for picking sources of definitions

Also add where current definitions were pulled.

Timeline

Multiple conferences happening this month - update or understanding where we are - talk about it at Force 11 on Friday

Talked about trying to do a data2health workshop