**OGC GeoDCAT SWG**  
  
November 18, 2024 . 8:51 AM . ID: 791037533 **Transcript**

00:01 - 00:04 **[speaker unknown]**  
This conference will now be recorded.

00:06 - 00:07 **[speaker unknown]**  
All right.

00:07 - 00:10 **Byron Cochrane**  
So this presentation is something I've put together as it says there.

00:10 - 00:13 **Byron Cochrane**  
Paws for Jeev, Oceana, and Hobart.

00:14 - 00:21 **Byron Cochrane**  
That's the free and open source for spatial data comp for GIS and StableMap.

00:21 - 00:24 **Byron Cochrane**  
That includes a bunch of OpenStreetMap people, too.

00:24 - 00:35 **Byron Cochrane**  
But I was wanting to do a presentation that led people largely into this and other metadata work I'm gonna try to firm up some interest because here's a bunch of coders who might be able to contribute.

00:36 - 00:44 **Byron Cochrane**  
Unfortunately, I gave this presentation the day after the US elections and everyone was kind of thinking about other things at that point.

00:45 - 00:52 **Byron Cochrane**  
So I breezed through this, but I thought I did do it in mind that it might be a good one to enter, start this meeting off of too.

00:52 - 00:53 **Byron Cochrane**  
So anyway, here we go.

00:54 - 00:55 **Byron Cochrane**  
Yes, they can play nicely.

00:56 - 00:57 **Byron Cochrane**  
That's a short version.

00:59 - 01:00 **Byron Cochrane**  
But metadata.

01:01 - 01:02 **Byron Cochrane**  
What is metadata?

01:02 - 01:03 **Byron Cochrane**  
Why do we have it?

01:03 - 01:06 **Byron Cochrane**  
So this is a slide I've used many, many times.

01:06 - 01:08 **Byron Cochrane**  
I keep on altering it slightly.

01:09 - 01:10 **Byron Cochrane**  
And it's explained in an elephant.

01:10 - 01:19 **Byron Cochrane**  
And it's because through my years of metadata, it seems like what always comes across is everyone kind of has a different view about what metadata is.

01:19 - 01:20 **Byron Cochrane**  
It serves lots of different purposes.

01:20 - 01:22 **Byron Cochrane**  
And that's actually fine.

01:23 - 01:27 **Byron Cochrane**  
It just gets a little confusing for us to talk together.

01:27 - 01:29 **Byron Cochrane**  
So recognizing that is useful.

01:30 - 01:33 **Byron Cochrane**  
So the first guy here, oh, it's about findability.

01:34 - 01:35 **Byron Cochrane**  
It's about accessibility.

01:36 - 01:40 **Byron Cochrane**  
See a theme here, if you're familiar with FAIR, I've changed them to match.

01:40 - 01:42 **Byron Cochrane**  
It's about interoperability.

01:42 - 01:44 **Byron Cochrane**  
It's about reusability.

01:44 - 01:47 **Byron Cochrane**  
And my favorite is actually, it's about data management.

01:47 - 01:48 **Byron Cochrane**  
That's how I got into metadata.

01:48 - 01:51 **Byron Cochrane**  
It's using metadata to help me manage my data.

01:51 - 01:54 **Byron Cochrane**  
And this last guy, it's about frogs.

01:55 - 01:59 **Byron Cochrane**  
That's a story I've told a few times, so bear with me if you've heard it before.

02:00 - 02:15 **Byron Cochrane**  
About 15 years ago now, I was at a meeting in Wellington about metadata and using GeoNetwork for it and such, and Simon Pigott was there and giving a spiel on how you can catalog your data.

02:15 - 02:22 **Byron Cochrane**  
And one of the guys there was from the University of Victoria, and he was a biologist, and he collected lots and lots of frogs.

02:22 - 02:28 **Byron Cochrane**  
New Zealand frogs are pretty unique in the world and a lot of different characteristics that are really special.

02:28 - 02:33 **Byron Cochrane**  
And he had drawers and drawers of these specimens, but not being able to manage them well.

02:33 - 02:35 **Byron Cochrane**  
And he said, do you mean I can use this to manage my frogs?

02:36 - 02:38 **Byron Cochrane**  
I was like, yeah, yeah, sure, why not?

02:38 - 02:39 **Byron Cochrane**  
And it does work.

02:39 - 02:40 **Byron Cochrane**  
These are specimens.

02:40 - 02:42 **Byron Cochrane**  
You can catalog and put them in the system.

02:43 - 02:46 **Byron Cochrane**  
All sorts of location information you can capture about that.

02:47 - 03:04 **Byron Cochrane**  
But I think it's a really good one to kind of that top level data management that I like to keep in mind because it's the most expansive of the definitions that I know of about metadata, knowing everything about the data so you can retrieve it earlier.

03:05 - 03:09 **Byron Cochrane**  
But unfortunately, it seems like a lot to me, most people focus on the findability.

03:09 - 03:13 **Byron Cochrane**  
So if it's findable, then you can find it.

03:13 - 03:14 **Byron Cochrane**  
But yeah, okay, I got this.

03:14 - 03:17 **Byron Cochrane**  
Now what, how can you need more information?

03:18 - 03:21 **Byron Cochrane**  
And that's where a lot of the FAIR and CARE principles come in.

03:21 - 03:24 **Byron Cochrane**  
Fair is one I'm sure more people are more familiar with.

03:24 - 03:25 **Byron Cochrane**  
It's been around for longer.

03:25 - 03:40 **Byron Cochrane**  
And there's some work in our tasks that are seen if we can line it with our metadata usage with FAIR principles and be able to quantify how fair our data is.

03:40 - 03:48 **Byron Cochrane**  
The other one's a little more recent and really comes into play, particularly with Indigenous data.

03:48 - 03:53 **Byron Cochrane**  
That was one thing on my wish list, but you know, can't do everything every time.

03:53 - 03:57 **Byron Cochrane**  
So I don't have anything on Indigenous data.

03:57 - 03:59 **Byron Cochrane**  
I don't believe anyone submitted anything.

03:59 - 04:08 **Byron Cochrane**  
That would be bringing in the local context and tracking primarily who's affected by this and having that information track.

04:09 - 04:15 **Byron Cochrane**  
The systems that are in place are kind of centralized and kind of hard to mesh with other metadata systems.

04:15 - 04:19 **Byron Cochrane**  
It'd be a good thing to solve at some time, but probably not today.

04:22 - 04:23 **Byron Cochrane**  
But people don't do metadata.

04:23 - 04:24 **Byron Cochrane**  
You ever notice that?

04:24 - 04:26 **Byron Cochrane**  
It's really hard to get people to do metadata.

04:27 - 04:32 **Byron Cochrane**  
I came across these, don't think it was particular to metadata, but it really fits.

04:32 - 04:34 **Byron Cochrane**  
The shield of boringness.

04:35 - 04:36 **Byron Cochrane**  
My eyes glaze over, amigo.

04:36 - 04:39 **Byron Cochrane**  
I want to do the data analysis, much more fun.

04:40 - 04:43 **Byron Cochrane**  
And then there's the distraction, who has time?

04:43 - 04:45 **Byron Cochrane**  
And besides, data analysis are much more fun.

04:47 - 04:58 **Byron Cochrane**  
And one that we've tried to address to a certain extent in the Australia and New Zealand context, your ICSM, is how to do it right, providing extra guidance.

04:58 - 05:02 **Byron Cochrane**  
You get into these metadata standards, like what exactly do I put here?

05:02 - 05:09 **Byron Cochrane**  
And it's just too hard because you don't know if you're doing it right if you're not doing it right, and then are you really doing anything useful?

05:09 - 05:11 **Byron Cochrane**  
So that's one of the problems.

05:11 - 05:16 **Byron Cochrane**  
And my favorite for the first 10 years of my career is what's the point?

05:16 - 05:20 **Byron Cochrane**  
This is for some nameless, faceless person who will never use it.

05:20 - 05:22 **Byron Cochrane**  
And data analysis are much more fun.

05:24 - 05:26 **Byron Cochrane**  
But why is it so important?

05:26 - 05:47 **Byron Cochrane**  
This top one's been stated many times in many different research things, and it all comes up to roughly the same thing, that 80% of the time in any project it's just finding and munging your data together before you can even start making sure the data is of sufficient quality and everything else.

05:47 - 05:52 **Byron Cochrane**  
Or even worse, recreating it because you don't know if it's adequate to your purposes.

05:53 - 05:56 **Byron Cochrane**  
So that's a huge one.

05:56 - 06:00 **Byron Cochrane**  
And metadata, while it won't get rid of that entirely, it can really drastically reduce that.

06:02 - 06:05 **Byron Cochrane**  
And metadata is about keeping the authority.

06:05 - 06:07 **Byron Cochrane**  
You know, what's the authority data set?

06:07 - 06:11 **Byron Cochrane**  
You know, that's a huge one too because metadata, our data gets copied over and over.

06:12 - 06:15 **Byron Cochrane**  
How do you know you have data sets that are authoritative?

06:18 - 06:32 **Byron Cochrane**  
Yeah, resource curation, data management, and one that I really like to talk about and telling people about what metadata is really about is he who has the best documentation wins.

06:32 - 06:35 **Byron Cochrane**  
Two data sets, one's well-documented, one's not.

06:35 - 06:37 **Byron Cochrane**  
Which one are you gonna want, you know?

06:38 - 06:41 **Byron Cochrane**  
Seamless play out in courts too, where like in the U.S.

06:41 - 06:43 **Byron Cochrane**  
In the 90s.

06:43 - 07:00 **Byron Cochrane**  
Huge case with the Native Americans who had all these, they were trying to sue the Department of Interior for information or for money that wasn't distributed over the land and mineral rights and such that they had on their land.

07:00 - 07:08 **Byron Cochrane**  
They won the case because the Department of Indian Affairs did not have as much information as the tribes did themselves.

07:09 - 07:10 **Byron Cochrane**  
So that was a good result really.

07:11 - 07:15 **Byron Cochrane**  
Sure sent the Department of Interior into a tailspin for a while, I'll tell you that.

07:16 - 07:21 **Byron Cochrane**  
And then the last one here is, it's most important for you.

07:21 - 07:23 **Byron Cochrane**  
That's something that comes back to bite me a lot.

07:24 - 07:55 **Byron Cochrane**  
There was a that says when I created this only God and myself knew why now only God knows you know yes it's that's a problem with data too it's when metadata applies to others and data but still with metadata that's tells you why you did things it's most important to you if you're gonna create metadata that's you want to create it useful to you first and then that makes it useful to others as And really.

07:55 - 07:57 **Byron Cochrane**  
Metadata is data and analysis.

08:00 - 08:05 **Byron Cochrane**  
And finally, a bit on this part is a bit on the curation and curators.

08:06 - 08:10 **Byron Cochrane**  
One of my favorite writers on tech issues anymore is Baldur Bjornsson from Iceland.

08:11 - 08:19 **Byron Cochrane**  
A longtime programmer and such, but it's great to watch and follow his blog right up there with Cory Doctorow for me.

08:19 - 08:22 **Byron Cochrane**  
But anyway, I really like this quote.

08:22 - 08:34 **Byron Cochrane**  
Ask yourself, does your organization and have its documentation, internal records, and consistency because if it doesn't, no tool in existence will give you reliable and correct answers.

08:34 - 08:39 **Byron Cochrane**  
And that applies for anything like Google search or SharePoint sites, oh, nightmares.

08:40 - 08:48 **Byron Cochrane**  
And large language models, AI type stuff, you gotta know that your input data is of sufficient quality to get the sufficient answers out of it.

08:49 - 08:50 **Byron Cochrane**  
Curation is really, really important.

08:50 - 08:54 **Byron Cochrane**  
And metadata is key to that.

08:55 - 09:00 **Byron Cochrane**  
Yeah, curators get enough credit now play nice.

09:01 - 09:03 **Byron Cochrane**  
Getting into kind of the more core of the thing.

09:03 - 09:11 **Byron Cochrane**  
So this is a short list of metadata standards that we might want to be concerned ourselves with over the next couple of days.

09:12 - 09:17 **Byron Cochrane**  
The stack API records 115-1, or an older version, maybe.

09:17 - 09:25 **Byron Cochrane**  
People still in Europe using that are kind leading edge of actually using the dash one version here in Australia and New Zealand.

09:25 - 09:48 **Byron Cochrane**  
Dublin core and it's mostly implemented in things like DCAT now but so those two kind of go together and schema.org important to consider I don't like it for spatial particularly but won't brag on it just to make it work And the World Fair CDIF.

09:48 - 09:50 **Byron Cochrane**  
I find that a very interesting one.

09:50 - 09:52 **Byron Cochrane**  
And then, which I'll talk about in just a second.

09:53 - 09:55 **Byron Cochrane**  
And then there's numerous other domain standards.

10:00 - 10:01 **Byron Cochrane**  
So why are there all these things?

10:02 - 10:02 **Byron Cochrane**  
They're for good reasons.

10:02 - 10:04 **Byron Cochrane**  
They serve different purposes.

10:04 - 10:07 **Byron Cochrane**  
Different domains have different needs and that's why they do it.

10:08 - 10:10 **Byron Cochrane**  
Crosswalks can be a huge issue between these.

10:10 - 10:13 **Byron Cochrane**  
Want to use these in interoperable ways.

10:13 - 10:16 **Byron Cochrane**  
Requires crosswalks, but they're rarely lost.

10:19 - 10:29 **Byron Cochrane**  
And we don't yet have very large repos of canonical crosswalks that are maintained and such.

10:29 - 10:38 **Byron Cochrane**  
That would be something that I think would be a good outcome of some work in OGC ISO or somewhere to make sure we do that.

10:39 - 10:49 **Byron Cochrane**  
One of the things in the plane nicely, though, is always remember to point to the original metadata because of lossy issues and such.

10:50 - 10:52 **Byron Cochrane**  
And then there's tool issues.

10:53 - 10:56 **Byron Cochrane**  
Tools don't typically support multiple standards.

10:57 - 11:02 **Byron Cochrane**  
And there's kind of a dearth of tools out there, actually, too, particularly for creating good metadata.

11:03 - 11:08 **Byron Cochrane**  
So this is the World Fair CDIF idea.

11:08 - 11:19 **Byron Cochrane**  
And at its core, it's a model, not really they don't claim it's a standard, but it's kind of a model to which you can map any metadata standard and out of there to any others.

11:19 - 11:21 **Byron Cochrane**  
So no more crosswalks for Africa.

11:22 - 11:25 **Byron Cochrane**  
Every standard has to have mappings to every other standard.

11:26 - 11:31 **Byron Cochrane**  
I'm not sure, and they've come to their first iteration of this.

11:31 - 11:32 **Byron Cochrane**  
I'm not sure how usable it is.

11:32 - 11:36 **Byron Cochrane**  
I think it's still very conceptual, but this is ongoing work.

11:37 - 11:41 **Byron Cochrane**  
And while it's European based, it is open to the rest of the world participating.

11:41 - 11:47 **Byron Cochrane**  
Something I think is really a lot of crossover between the work we're doing.

11:47 - 11:51 **Byron Cochrane**  
The output on this is primarily schema.org.

11:52 - 11:55 **Byron Cochrane**  
It doesn't thrill me, but they also do VCAT.

11:56 - 11:59 **Byron Cochrane**  
So that does thrill me.

11:59 - 12:03 **Byron Cochrane**  
It seems like something that could really mesh well with what we're doing.

12:03 - 12:04 **Byron Cochrane**  
Who's funding now?

12:05 - 12:11 **Byron Cochrane**  
World Fair through European bodies.

12:11 - 12:13 **Byron Cochrane**  
I think the, can't remember.

12:13 - 12:14 **Byron Cochrane**  
I'd have to look up the names.

12:14 - 12:15 **Byron Cochrane**  
There's one oceans.

12:16 - 12:17 **Byron Cochrane**  
There's a big oceans project in Europe.

12:18 - 12:22 **Byron Cochrane**  
If they were very much behind this and a handful of others.

12:27 - 12:35 **Byron Cochrane**  
So this is kind of one that I did put in for to work on that kind of a big high level overview.

12:35 - 12:40 **Byron Cochrane**  
And basically the question is What does it mean for metadata standards to play nicely?

12:40 - 12:45 **Byron Cochrane**  
And having some best practice guidance is what I'm essentially talking about.

12:45 - 12:57 **Byron Cochrane**  
So let's say we have a collection of remotely sensed data and as a stack catalog, and you have that stack supporting that with all that information.

12:58 - 13:10 **Byron Cochrane**  
Maybe the sensor or the satellite or whatever that the data was collected from has its own, or the project has its own 115 metadata record.

13:11 - 13:16 **Byron Cochrane**  
And now I have Gbif, EML, and that one, but it holds much of different things.

13:16 - 13:19 **Byron Cochrane**  
But it'd be a 115 record for the stack information.

13:20 - 13:27 **Byron Cochrane**  
And perhaps to serve it out in a unified way, rather than just as a stack endpoint, you serve it out through OGC API records.

13:28 - 13:37 **Byron Cochrane**  
And a fair amount of work has gone into making those to stack and OGC API records compatible to do just that.

13:38 - 13:46 **Byron Cochrane**  
And then perhaps you want to serve all of this out as geodecap, which inherits, of course, a lot of stuff from Dublin Core.

13:47 - 13:56 **Byron Cochrane**  
And one of the big use cases for that is so it can be served out as a national level CCAN usually catalog.

13:58 - 14:07 **Byron Cochrane**  
Bringing in the CDIF stuff, that allows you then to share more easily with schema.org or any other metadata standards.

14:08 - 14:18 **Byron Cochrane**  
So essentially what I was framing up here and using this as a visual to walk through is what is this, you know, in a way.

14:19 - 14:36 **Byron Cochrane**  
As I said, we have all these different metadata standards that serve very good purposes, but there's no existing guidance that I know of how you what when and why you'd use one or the over the other, and how you can make them work together to best effect.

14:36 - 14:41 **Byron Cochrane**  
And that's a bit of missing puzzle I think we have in this.

14:44 - 14:48 **Byron Cochrane**  
So, yeah, infrastructure, this is kind of a closing slide that.

14:49 - 14:55 **Byron Cochrane**  
And so these two buildings, all both separate from the same promise beautiful old Victorian buildings.

14:56 - 15:03 **Byron Cochrane**  
They wanted to put a fancy basement facility under them and forgot they needed to maintain the foundations.

15:05 - 15:10 **Byron Cochrane**  
That one up there was in Auckland and it actually did collapse and they had to tear it down.

15:10 - 15:21 **Byron Cochrane**  
The one on the other side is in Boise, I had it in my hometown and that was the Union Block beautiful building had this ballroom up on the top and faded back into the late 1800s.

15:21 - 15:48 **Byron Cochrane**  
And yeah same thing they dug out the basement and took out much of the supporting now it's condemned and all blocked off and right in the center of town so the analogy is basically metadata is is is foundations and getting it right is really really important yeah the city on that one uh that took over which is you know you can imagine a city as conservative boy see how that be.

15:49 - 16:00 **Byron Cochrane**  
So yeah, following on, I've had a lot of anxiety lately, so in order to put this aside and to do this, yes, put aside the anxiety so I can help.

16:01 - 16:11 **Byron Cochrane**  
And there is some about that that I guess I'll throw out now because I want to talk about it later, is that I'm not sure I'll be able to continue on in this role.

16:12 - 16:20 **Byron Cochrane**  
Got other things going on, just how much, you know, I only have small company and can only afford so much time.

16:20 - 16:25 **Byron Cochrane**  
We have a pause for GE and Auckland coming up next year that I want to put time into.

16:25 - 16:28 **Byron Cochrane**  
And quite frankly, my business has not been doing too well.

16:29 - 16:39 **Byron Cochrane**  
Our super conservative government in New Zealand has been cutting budgets left, right, and center and canceled projects all over the place.

16:39 - 16:40 **Byron Cochrane**  
It spills over on me.

16:40 - 16:49 **Byron Cochrane**  
So unless, I mean, I could do it, but I'd have to get some support from somewhere in order to pay for my time, at least in part.

16:50 - 16:57 **Byron Cochrane**  
So that we can talk about later because at the close of this, it'd be kind of nice to know, hey, where's this group going from here?

17:01 - 17:14 **Byron Cochrane**  
Talked to Danny last night about this and he's facing some also some issues this way of how much time can he commit to it, which we've already seen, he's had to back out a lot, just overload.

17:14 - 17:18 **Byron Cochrane**  
So that's something that we'll need to think about.

17:19 - 17:20 **Byron Cochrane**  
And did I have anything else?

17:20 - 17:21 **Byron Cochrane**  
No, that was it.

17:24 - 17:26 **Byron Cochrane**  
So that's the start of it.

17:26 - 17:31 **Byron Cochrane**  
The next phase of this is going to be about where do we go from here?

17:31 - 17:34 **Byron Cochrane**  
I do have another presentation that, yeah.

17:34 - 17:36 **Byron Cochrane**  
The instructor has to go through these main stages.

17:36 - 17:40 **Byron Cochrane**  
So I finally managed to reach the password 19 times in Discord.

17:41 - 17:42 **Byron Cochrane**  
Let me in here.

17:42 - 17:43 **Byron Cochrane**  
I don't know how to use Discord.

17:43 - 17:45 **Byron Cochrane**  
I'm on main stage on OpenC Advance.

17:46 - 17:48 **Byron Cochrane**  
Where could we be on Discord?

17:51 - 17:54 **Gobe Hobona (OGC)**  
Sorry, you might need to move closer to the microphone.

17:58 - 18:03 **Byron Cochrane**  
So, Gaby, you said that we should be logging into main stage on Discord.

18:04 - 18:08 **Byron Cochrane**  
After fighting for Discord for another 20 minutes, it let me in.

18:08 - 18:11 **Byron Cochrane**  
But I'm now the only person on main stage.

18:11 - 18:12 **Byron Cochrane**  
Where should we be on Discord?

18:15 - 18:20 **Gobe Hobona (OGC)**  
Well, I mean, there's the general chat channel.

18:21 - 18:30 **Gobe Hobona (OGC)**  
There's where you basically, you know, post chat messages and I can see Baron is already using that channel.

18:31 - 18:39 **Gobe Hobona (OGC)**  
But for video, I mean, you can use go to meeting which you're already using or you can use the main stage.

18:40 - 18:43 **Gobe Hobona (OGC)**  
The main stage is It's it's.

18:43 - 18:44 **Byron Cochrane**  
On.

18:45 - 18:48 **Gobe Hobona (OGC)**  
It's on I can see Vanna in there right right now.

18:50 - 18:59 **Gobe Hobona (OGC)**  
So So if you send a message, I mean we can send a message now and ask everyone.

19:01 - 19:03 **Gobe Hobona (OGC)**  
To use go to meeting.

19:03 - 19:19 **Gobe Hobona (OGC)**  
Instead But I mean it's really up to it's really up to you as the as the organizers if you're already using GoToMeeting, then it's best just to maintain that and just let the participants know.

19:24 - 19:31 **Byron Cochrane**  
Are we going to use GoToMeeting for the, I mean, I don't have to manage this thing across three time zones, so we're probably not having the GoToMeeting running for three time zones.

19:32 - 19:37 **Byron Cochrane**  
So maybe if the chat could all go in Discord, I will run the video on GoToMeeting.

19:37 - 19:38 **Byron Cochrane**  
Yeah.

19:38 - 19:39 **Byron Cochrane**  
Does that work?

19:42 - 19:48 **Byron Cochrane**  
It would just be the invite link to a server or to add a friend on my Discord?

19:48 - 19:51 **Byron Cochrane**  
I've just got a brand new Discord and you don't know where to get it.

19:51 - 19:52 **Byron Cochrane**  
Okay.

19:52 - 19:54 **Byron Cochrane**  
I'm gonna try to do that.

19:55 - 19:56 **Byron Cochrane**  
That's David Blasby.

19:56 - 20:03 **Byron Cochrane**  
Yeah, so send me an announcement, check, just send me the link to that, but I'll find out, I want to find out.

20:03 - 20:06 **Byron Cochrane**  
We'll look again for the announcement for the Discord link.

20:06 - 20:08 **Byron Cochrane**  
I was able to start Discord trading.

20:08 - 20:13 **Byron Cochrane**  
Account and get in at the last link and maybe just go back to the start is what I should remember.

20:13 - 20:15 **Byron Cochrane**  
Okay, I'll help you find that then.

20:19 - 20:26 **Gobe Hobona (OGC)**  
And if someone could please send Ivana a message with the GoToMeeting link?

20:28 - 20:30 **Byron Cochrane**  
Yeah, that sounds a bit like something.

20:30 - 20:32 **Byron Cochrane**  
It's in the Discord general channel.

20:40 - 20:41 **[speaker unknown]**  
Oh.

20:44 - 20:44 **Gobe Hobona (OGC)**  
Right.

20:44 - 20:45 **Gobe Hobona (OGC)**  
Sorry, was that Ivana?

20:45 - 20:47 **Gobe Hobona (OGC)**  
Is she in the.

20:47 - 20:47 **Gobe Hobona (OGC)**  
Room?

20:47 - 20:49 **Byron Cochrane**  
I am in the room, yes.

20:49 - 20:50 **Gobe Hobona (OGC)**  
Oh, OK, brilliant.

20:51 - 20:54 **Byron Cochrane**  
Are there any other logistical issues we need to sort out now?

20:57 - 20:58 **[speaker unknown]**  
We're OK.

21:02 - 21:04 **Byron Cochrane**  
Ok, so OK, I'll help you find.

21:04 - 21:06 **Byron Cochrane**  
But you've got the link to the announcement.

21:08 - 21:13 **Byron Cochrane**  
Ok, I'll send you the link to the announcement as well.

21:14 - 21:16 **Byron Cochrane**  
Ok, so if you want to continue, I'll just give open.

21:16 - 21:19 **Byron Cochrane**  
All right, let's see what we've got here.

21:19 - 21:20 **Byron Cochrane**  
Mostly it was thought I'd go.

21:20 - 21:46 **Byron Cochrane**  
So, so we're starting this is slightly different from the other one, but I think the welcome and general presentations are going to be a little abbreviated and merge into this presentation proposals and team formations afternoon will will start really working on things and we won't have I don't believe we'd have go to meeting on at that point for the presentation of progress.

21:46 - 22:17 **Byron Cochrane**  
It seems useful to have a go-to meeting on and record it so we can keep track and people can work a little asynchronously to know what was what did they do be able to pull up the recording try to get it somewhere where people can access it i'll have to figure that out because those things are kind of big it's hard to put them in github so i'm not sure though do you see website would be a good spot either because maybe people don't have access to that.

22:18 - 22:21 **Byron Cochrane**  
So we'll need to figure out a place to put those, but we'll sort that.

22:24 - 22:26 **Gobe Hobona (OGC)**  
Just if you upload it to the OGC portal.

22:29 - 22:30 **Gobe Hobona (OGC)**  
That should be okay.

22:30 - 22:32 **Gobe Hobona (OGC)**  
We can set it to be publicly accessible.

22:33 - 22:34 **Byron Cochrane**  
Oh, okay.

22:34 - 22:34 **Byron Cochrane**  
Cool.

22:36 - 22:36 **Byron Cochrane**  
That works.

22:37 - 22:45 **Byron Cochrane**  
I'll put it under the the GEO DCAT SWIG area, like they do for the for our weekly meetings.

23:23 - 23:25 **Byron Cochrane**  
Create a.

23:29 - 23:36 **Byron Cochrane**  
I've just sent you an e-mail, I've seen it and I'm trying to get it to you.

23:46 - 23:48 **Byron Cochrane**  
I hope you should have an e-mail now with the link.

23:52 - 23:53 **Byron Cochrane**  
Sorry about this.

23:53 - 23:56 **Byron Cochrane**  
Too many different OPCs, too many different reasons.

23:56 - 24:05 **Byron Cochrane**  
And everything has been changing and I'm not normally managing things but I don't know where everything was and I don't have submissions for half the things.

24:06 - 24:07 **Byron Cochrane**  
It's all good fun.

24:09 - 24:21 **Byron Cochrane**  
Anyway, when we move to doing stuff on GitHub in terms of now, then things should be more manageable.

24:30 - 24:46 **Byron Cochrane**  
So, before, we might just invite people to figure out what they want to do, but before that, can I just make a quick statement about the handover between time zones?

24:46 - 24:46 **Byron Cochrane**  
Sure.

24:47 - 24:51 **Byron Cochrane**  
It's just being set up to show the GitHub page for everything, but...

24:51 - 24:52 **Byron Cochrane**  
Yeah.

24:52 - 24:56 **Byron Cochrane**  
Oh, I could go, I could bring something up too, because handover between time zones.

24:56 - 25:02 **Byron Cochrane**  
I've got a time zone mapping view on the slide here that might be useful to.

25:04 - 25:14 **Byron Cochrane**  
So people who are up very late in the night or early in the morning apologize for the delay and the logistics happening here.

25:14 - 25:33 **Byron Cochrane**  
But in order to handle people working in more comfortable time zones, we're going to try to organize handover on particular topics, but all the material should be done through one or other GitHub repositories.

25:33 - 25:54 **Byron Cochrane**  
We've got the main GitHub repository with foreign tender link, and there's a number of issues to describe where I put links to building block repositories where we can do testing of various solutions, building blocks basically a wrapper around whatever specifications exist.

25:54 - 25:56 **Byron Cochrane**  
Where we can put examples and test them.

25:57 - 26:19 **Byron Cochrane**  
And so if we make sure that we are focusing on delivering content to the wider group at the end of your working day by a combination of checking stuff into GitHub and putting notes or issues in the relevant GitHub repository and link to the master issues page.

26:19 - 26:22 **Byron Cochrane**  
Which you all have, that would be great.

26:22 - 26:33 **Byron Cochrane**  
If anybody has any suggestions or concerns, maybe we can just check, but that way we ensure that we've got a record of what everybody's up to and we can hand over.

26:37 - 26:50 **Byron Cochrane**  
It could be, I was wondering, we do have a number of North American people too, and the close of the day in Europe and handing over to North America might be kind of around the world sort of thing.

26:50 - 26:53 **Byron Cochrane**  
It's been maybe, so Danny will be online?

26:53 - 26:54 **Byron Cochrane**  
Danny will be online.

26:54 - 27:00 **Byron Cochrane**  
So at the end of the European day, I might get him to make sure he's handing over to the North American day.

27:01 - 27:01 **Byron Cochrane**  
Yeah.

27:01 - 27:05 **Byron Cochrane**  
And then, yeah, so I'll be online tonight to hand over to Europe.

27:10 - 27:23 **Byron Cochrane**  
The other thing on that I was wondering about is kind of the handovers and also kind of a status reports that helps with handovers and such.

27:23 - 27:27 **Byron Cochrane**  
That there's set times that people can do those.

27:29 - 27:38 **Byron Cochrane**  
So like I figured to 5.30 to 6.00 or maybe it's 5.30 to 6.30 to make the handover work better.

27:38 - 27:39 **Byron Cochrane**  
Combine that with handover.

27:39 - 27:51 **Byron Cochrane**  
Add the idea of recording end of the day for us around 5.30 and people could jump on earlier and do the handover at 6.00.

27:51 - 27:58 **Byron Cochrane**  
So that's going to be again in the morning, so we know what the internationals did to be able to, and get those recorded would be kind of nice.

27:59 - 27:59 **Byron Cochrane**  
So.

28:00 - 28:02 **Byron Cochrane**  
So you're saying it's going to be at five, so that's the odd time in the morning?

28:03 - 28:04 **Byron Cochrane**  
I don't want to do it.

28:04 - 28:05 **Byron Cochrane**  
So you're not going to do anything?

28:05 - 28:06 **Byron Cochrane**  
No, I don't see.

28:06 - 28:07 **Byron Cochrane**  
I don't like that very well either.

28:07 - 28:18 **Byron Cochrane**  
That's why I'm kind of thinking it'd be nice if the handover happened from Europe to North America, and then it can bounce over here at a reasonable time of day.

28:18 - 28:19 **Byron Cochrane**  
Yeah.

28:19 - 28:22 **Byron Cochrane**  
I mean, for David, it's not an outrageous time right now.

28:24 - 28:25 **Byron Cochrane**  
Oh.

28:25 - 28:32 **david blasby**  
It's all good here, but we should come up with a very clear time zone of when things are happening.

28:33 - 28:33 **david blasby**  
Yep.

28:37 - 28:40 **Byron Cochrane**  
I think we have some framework for that.

28:40 - 28:44 **Byron Cochrane**  
I'll expand on that and post that later today.

28:48 - 28:56 **Byron Cochrane**  
The only one I'm concerned about that I don't know if I can help with too much is handover from Europe to North America.

28:59 - 29:01 **Byron Cochrane**  
And that might have to be just project specific.

29:10 - 29:11 **[speaker unknown]**  
All right.

29:12 - 29:20 **Byron Cochrane**  
So do we want to get into the proposals and use cases and start getting a little meat?

29:32 - 29:38 **Byron Cochrane**  
So because it is very late for Europeans, I'm not sure if they're planning to stay on for very long.

29:38 - 29:48 **Byron Cochrane**  
And we should fairly quickly go around the room in terms of what people are planning to work on, that they are spending.

29:51 - 30:02 **Byron Cochrane**  
I know that some of the Europeans, Dave and Zephyrs are interested in the execute transform of 91.5.

30:02 - 30:16 **Byron Cochrane**  
Marcus is online looking at potentially high-view API support for some profiles with some ideas I share with him.

30:18 - 30:25 **Byron Cochrane**  
So maybe we go around to people online first to find out what they're interested in, what they need from us in the short term.

30:26 - 30:30 **Byron Cochrane**  
If you could point to the particular issue, hopefully you've submitted one.

30:30 - 30:34 **Byron Cochrane**  
If not, we can create one.

30:37 - 30:40 **Byron Cochrane**  
Would anyone online like to start?

30:46 - 30:47 **Byron Cochrane**  
What do we got?

30:49 - 30:49 **Byron Cochrane**  
Pick someone.

30:52 - 30:54 **david blasby**  
I can start if you want.

30:54 - 30:57 **david blasby**  
I put a slide in the wiki.

30:59 - 30:59 **Byron Cochrane**  
Ok.

31:01 - 31:03 **Byron Cochrane**  
Let's see if I can find the.

31:08 - 31:09 **Byron Cochrane**  
Windows open.

31:10 - 31:10 **Byron Cochrane**  
Find what I'm looking for.

31:11 - 31:12 **Byron Cochrane**  
Here we go.

31:12 - 31:13 **Byron Cochrane**  
Slide in the wiki.

31:17 - 31:18 **[speaker unknown]**  
Maybe you can share your screen.

31:19 - 31:21 **Byron Cochrane**  
Oh, would you like to share your screen?

31:21 - 31:31 **david blasby**  
Oh, it's just one slide, so I'll see if I can send you the proposals and use cases.

31:36 - 31:37 **Byron Cochrane**  
And the wiki.

31:39 - 31:44 **david blasby**  
I'll send a message in.

31:44 - 31:44 **Byron Cochrane**  
The chat.

31:47 - 31:50 **Byron Cochrane**  
No, it would be, we're doing it all in the geode.

31:50 - 31:50 **Byron Cochrane**  
I hope it's in here.

31:55 - 31:59 **Byron Cochrane**  
So maybe you mean the GitHub issues?

32:00 - 32:03 **david blasby**  
It's in the use cases.

32:03 - 32:04 **david blasby**  
I put a link in the chat.

32:06 - 32:06 **david blasby**  
Okay.

32:08 - 32:10 **david blasby**  
So it's issue 17.

32:13 - 32:15 **Byron Cochrane**  
Oh, issue 17, okay.

32:16 - 32:20 **david blasby**  
Which is, I think, a big list of, oops.

32:23 - 32:30 **Byron Cochrane**  
23, excuse me, 16, 17, right there.

32:30 - 32:31 **Byron Cochrane**  
Yeah.

32:32 - 32:33 **david blasby**  
And then it's most of the way down.

32:33 - 32:34 **david blasby**  
You'll see a big picture.

32:35 - 32:35 **Byron Cochrane**  
Oh, right.

32:35 - 32:38 **Byron Cochrane**  
I have a bunch of stuff in this one, 17.

32:42 - 32:43 **david blasby**  
There we go.

32:43 - 32:44 **david blasby**  
There it is.

32:44 - 32:45 **david blasby**  
Yeah.

32:45 - 32:57 **david blasby**  
So, just to give a very quick, if you just go down to the picture there, just to sort of explain where I'm coming from, I'll try and take less than two minutes, because I know everybody's busy.

32:57 - 33:12 **david blasby**  
But this is for GeoNetwork, and the main goal is to take a bunch of stuff that's being done in GeoNetwork 4 and the GeoNetwork microservices and merge them into GeoNetwork 5, which is just sort of starting off.

33:12 - 33:35 **david blasby**  
So, just to give a little bit of history, obviously, most people here will know GeoNetwork4, and that's a real bulletproof application, but it doesn't have OGC API record support, but the really nice thing is it has Geo, DCAT, and application profile with all the country specifics in there as well.

33:36 - 33:58 **david blasby**  
And quite a while, a couple of years ago, GN Microservices started off as a sort of experimental way to look at some new ways of doing geo network so Spring Boot they did some a new XSLT engine elastic indexes Models for them and some modernizations in there but the the big thing.

33:58 - 34:10 **david blasby**  
That people use the GM microservices for is it has The OGC API records in it and I've recently done a bunch of big improvements to the OGC OGC API records in there.

34:11 - 34:30 **david blasby**  
So the next step, as you can see on here, is going to be moving those OGC API records into GeoNetwork 5 and also moving the new GeoDKat and AP into GeoNetwork 5 so that they are available in GeoNetwork 5.

34:30 - 34:34 **david blasby**  
And GeoNetwork 5 kind of came from GeoNetwork Microservices.

34:34 - 34:35 **david blasby**  
It was really informed by it.

34:35 - 34:38 **david blasby**  
I think the microservices first came out.

34:38 - 34:43 **david blasby**  
They said, look, all these ideas that we did worked really well, so they're moving them into GeoNetwork 5.

34:43 - 34:49 **david blasby**  
So that's sort of the history and why things are happening and sort of where things are coming from.

34:55 - 34:56 **Byron Cochrane**  
Any questions for David?

34:59 - 35:01 **Byron Cochrane**  
Yeah, Rob Atkinson.

35:02 - 35:03 **Byron Cochrane**  
Two aspects there.

35:03 - 35:09 **Byron Cochrane**  
One is that in one of the other issues, I can't remember which one it is now, pops off my head.

35:09 - 35:11 **Byron Cochrane**  
There is some links to some work.

35:11 - 35:18 **Byron Cochrane**  
I've started looking at mapping OGC API records to DCAT and then GeoDCAT.

35:19 - 35:25 **Byron Cochrane**  
So GeoDCAT itself is in development, and this should inform it.

35:28 - 35:34 **Byron Cochrane**  
So that mapping at the moment is done by JSON-LD, and it's a two-step process.

35:34 - 35:45 **Byron Cochrane**  
We have to map the records ontology, which then can be converted to DCAT because of the of API record structures don't fit a DCAT directly.

35:46 - 35:52 **Byron Cochrane**  
I know you've done some work with DCAT AP with XLT converters directly.

35:53 - 35:54 **Byron Cochrane**  
So there's a few options.

35:54 - 36:00 **Byron Cochrane**  
And Bara mentioned before the idea of having registers of transforms, actually having these transforms modeled somewhere.

36:01 - 36:05 **Byron Cochrane**  
So the assumption here is we want to be technology agnostic.

36:06 - 36:13 **Byron Cochrane**  
But which parts of that puzzle are most valuable to you?

36:14 - 36:22 **Byron Cochrane**  
And are there test cases, for example, that you want to put on the table that we might try with different technology stacks?

36:25 - 36:27 **david blasby**  
Yeah, I would love to see some test cases.

36:27 - 36:37 **david blasby**  
It is always kind of funny when you convert an ISO standard, which is, you know, like a 20-page long document, and then you get a DCAT out of it, which is only a couple of pages long.

36:38 - 36:57 **david blasby**  
But, and most, and the work that was done in GeoNetwork 4 is our XSLT transformations, but I'm trying to bring over the entire formatting, which is what that was done under the formatting API, which allows you to do conversions with a bunch of different things, not just XSLT.

36:59 - 37:11 **david blasby**  
And the idea is to be able to put this to OGC API records inside Geo Network 5 so you can access your documents from OGC API records in DCAT format.

37:13 - 37:13 **Byron Cochrane**  
Ok.

37:13 - 37:31 **Byron Cochrane**  
So I should show you what we've started in terms of the Geo DCAT because one of things we're doing there is we're looking at mapping stack, which is an extension of records, or records that are designed to be compatible with SAC.

37:31 - 37:39 **Byron Cochrane**  
So we have a bunch of SAC extensions, which then allows us to use the various SAC examples as test cases.

37:40 - 37:43 **Byron Cochrane**  
So that's been over then.

37:43 - 37:50 **Byron Cochrane**  
As you say, what happens is that if you hit generic DCAT, not very many fields map over.

37:50 - 37:56 **Byron Cochrane**  
Geo DCAT, we should be looking at defining additional fields for the things which are geospatial.

37:56 - 38:05 **Byron Cochrane**  
And then there'd be other profiles which would define a target for other elements that you might be interested in.

38:06 - 38:10 **Byron Cochrane**  
So we should probably spend some time having a look at that pipeline.

38:11 - 38:19 **Byron Cochrane**  
So I would propose that that's something I can do this evening my time, which is early, which is morning European time.

38:19 - 38:27 **Byron Cochrane**  
Presumably you're not planning to go through the night, you're just checking in now, and then you will start in the morning sometime, is that correct?

38:29 - 38:42 **Byron Cochrane**  
So, why don't we, so I'll put my hand up to give you an in-depth briefing of the various pieces and get your feedback about which parts you might want to connect to.

38:45 - 38:53 **Byron Cochrane**  
Because certainly understanding formally what the mapping is, is independent of what technology we use.

38:54 - 38:58 **Byron Cochrane**  
So we're trying to find a way to capture that.

38:58 - 39:01 **Byron Cochrane**  
And we're learning as we go, that's code sprinted about learning.

39:03 - 39:11 **Byron Cochrane**  
So send me a message when you're awake and ready in the morning to receive a briefing and I can give you one.

39:12 - 39:13 **david blasby**  
That's great.

39:13 - 39:15 **david blasby**  
I should be up at 8 a.m.

39:15 - 39:15 **david blasby**  
Pacific time.

39:16 - 39:29 **david blasby**  
And your own will be on in European morning so he which will I guess would be the Sydney evening sort of wind down for the day okay.

39:31 - 39:36 **Byron Cochrane**  
I think Lauren wants work on that one too I'm not sure.

39:39 - 39:41 **Byron Cochrane**  
He's in Europe, France.

39:41 - 39:44 **Byron Cochrane**  
That speaker was in Pacific time.

39:44 - 39:47 **Byron Cochrane**  
So he'll be starting work at 3 o 'clock in the morning, isn't he, Brian?

39:47 - 39:50 **Byron Cochrane**  
You may want to reach back to him or offer.

39:50 - 39:51 **Byron Cochrane**  
Well.

39:51 - 39:53 **david blasby**  
I can...

39:53 - 39:55 **Byron Cochrane**  
I was proposing to brief David.

39:55 - 39:57 **Byron Cochrane**  
So David, you're in Pacific time?

39:57 - 39:58 **Byron Cochrane**  
Yeah.

39:58 - 39:59 **david blasby**  
I'm in Pacific time.

40:00 - 40:00 **Byron Cochrane**  
Oh, okay.

40:01 - 40:03 **Byron Cochrane**  
In that case, what I'll do is I'll...

40:03 - 40:07 **Byron Cochrane**  
So you're not about to shut down now and start again in the morning.

40:07 - 40:08 **Byron Cochrane**  
Well.

40:09 - 40:11 **david blasby**  
It's Sunday, so after these meetings are.

40:11 - 40:12 **Byron Cochrane**  
Over.

40:12 - 40:22 **david blasby**  
I'll probably do my Sunday things, but three o 'clock, so like in the evening, my time would be fine as well, like four.

40:22 - 40:22 **Byron Cochrane**  
Or.

40:22 - 40:23 **david blasby**  
Five, six o 'clock.

40:23 - 40:26 **david blasby**  
I'm not sure when that would be for you, but it's probably your morning.

40:32 - 40:35 **Byron Cochrane**  
That's mid-afternoon for us, which is pretty convenient.

40:35 - 40:45 **Byron Cochrane**  
So just send me a calendar invite for the time you would like to talk.

40:47 - 40:57 **Byron Cochrane**  
And we'll work out what people are doing here, whether I do it on the general chat, or I just go online.

40:57 - 41:02 **Byron Cochrane**  
9 AM here tomorrow will be 2 PM Pacific, but on Monday.

41:12 - 41:12 **[speaker unknown]**  
Perfect.

41:13 - 41:14 **david blasby**  
Yeah, that sounds great.

41:14 - 41:18 **david blasby**  
Yeah, I plan on coming to the to the morning meeting tomorrow as well.

41:19 - 41:20 **david blasby**  
Okay.

41:21 - 41:23 **david blasby**  
But I don't have your email.

41:23 - 41:25 **david blasby**  
I think I think I do have your email.

41:28 - 41:38 **Byron Cochrane**  
If you have a time tonight, tomorrow morning there's going to be, I don't know how many other teams I have to try to pick in support at that time.

41:39 - 41:43 **Byron Cochrane**  
So if you are going to be available this evening, let me know, otherwise we'll do it then.

41:50 - 41:58 **Byron Cochrane**  
Thinking to tag a team with Jeroen in Europe on this piece of work, this is obviously interesting for GeoNetwork as well.

41:58 - 42:01 **Byron Cochrane**  
Sorry, is this a piece of password here from...

42:01 - 42:02 **Byron Cochrane**  
Can you hear, Peter?

42:03 - 42:03 **Byron Cochrane**  
Yes.

42:03 - 42:04 **Byron Cochrane**  
Currently.

42:04 - 42:04 **david blasby**  
Sitting.

42:04 - 42:04 **Byron Cochrane**  
In New.

42:04 - 42:06 **david blasby**  
Zealand, Australia.

42:06 - 42:07 **david blasby**  
Somewhere down there.

42:10 - 42:18 **Byron Cochrane**  
So are you thinking to tag team with Gerowen on this, or is it just that Gerowen's also interested in for GeoNetwork?

42:19 - 42:24 **david blasby**  
Oh yeah, yeah, I work for Gerowen, so I work with GeoCat.

42:24 - 42:31 **david blasby**  
And he's going to be available, just because it's quite early in the morning, on Monday European time.

42:31 - 42:39 **david blasby**  
And then Jose, who is on the GeoNetwork BMC, also works at GeoCat, will be available on Tuesday morning.

42:43 - 42:44 **david blasby**  
European time, exactly.

42:44 - 42:44 **Byron Cochrane**  
Sorry.

42:45 - 42:46 **david blasby**  
They're both Europeans.

42:52 - 43:11 **Byron Cochrane**  
So we'll just work on the basis that if you want to reach out to me in your Sunday evening, which will be our afternoon, then I can give you an in-depth briefing of how the records, JSON-LD mapping to DCAT is done or where it's up to.

43:12 - 43:20 **Byron Cochrane**  
And if that doesn't suit, then we will that provided a briefing in that morning consult.

43:23 - 43:23 **david blasby**  
Okay.

43:23 - 43:24 **Byron Cochrane**  
Just.

43:24 - 43:24 **david blasby**  
To confirm.

43:24 - 43:25 **Byron Cochrane**  
This is Rob Atkinson.

43:27 - 43:29 **Byron Cochrane**  
Record it too, so you don't have to do it too many times.

43:30 - 43:30 **Byron Cochrane**  
Yeah.

43:31 - 43:31 **Byron Cochrane**  
This.

43:31 - 43:31 **david blasby**  
Is Rob.

43:31 - 43:34 **Byron Cochrane**  
Yeah, ratkinson.odc.org.

43:34 - 43:35 **david blasby**  
Okay, perfect.

43:37 - 43:39 **Byron Cochrane**  
I think you sent an email to me already, so.

43:41 - 43:42 **david blasby**  
So I was just checking to make sure I had.

43:42 - 43:42 **Byron Cochrane**  
It.

43:43 - 43:46 **david blasby**  
And yeah, I have to, it's just a little tricky tonight.

43:46 - 43:49 **david blasby**  
I have to take my daughter over to the hospital, so.

43:50 - 43:51 **david blasby**  
I.

43:51 - 43:51 **Byron Cochrane**  
Don't.

43:51 - 43:51 **david blasby**  
Know.

43:51 - 43:51 **Byron Cochrane**  
If you'll be able to do it.

43:51 - 43:52 **Byron Cochrane**  
That sounds far more important.

43:53 - 43:57 **Byron Cochrane**  
I'll send you an email with some more details, and then you can comment as well.

43:57 - 43:57 **Byron Cochrane**  
Ok?

43:58 - 43:58 **Byron Cochrane**  
Ok, perfect.

44:09 - 44:18 **Byron Cochrane**  
There's a lot of stuff here for Geo DCAT representation and OGC API records.

44:19 - 44:21 **Byron Cochrane**  
I think that's a big one.

44:33 - 44:37 **Byron Cochrane**  
Let's see who else is on the line that might want to talk about what they want to do.

44:37 - 44:38 **Byron Cochrane**  
Oh, we got a few more.

44:40 - 44:50 **Byron Cochrane**  
Anyone else online that would like to talk to any of the work items or talk about, or maybe just say what their skills are and ask where they can fit in?

44:54 - 44:56 **Byron Cochrane**  
Perhaps it's better to go over the work items first.

45:05 - 45:06 **[speaker unknown]**  
No?

45:07 - 45:11 **Byron Cochrane**  
Let's look at some of these issues then.

45:15 - 45:17 **Byron Cochrane**  
This one looks very specific.

45:52 - 45:59 **Byron Cochrane**  
This needs a bit of an architecture diagram but there's a few moving parts and we're only going to be working on one or two of them, probably.

46:03 - 46:10 **Byron Cochrane**  
But Sego, on your behalf a little, and then I'll let you add.

46:11 - 46:16 **Byron Cochrane**  
I'd like to add something about the land that is different in here.

46:16 - 46:27 **Byron Cochrane**  
Ok, so we might let Sego start off with a quick discussion of what he's doing with this lane chain, lane flow work.

46:29 - 46:31 **Byron Cochrane**  
Come over here closer to the speaker.

46:32 - 46:33 **Byron Cochrane**  
Anyway, I should have grabbed that seat.

46:33 - 46:34 **Byron Cochrane**  
Or mine.

46:38 - 46:51 **Byron Cochrane**  
Currently I'm doing my research on the carbon market domain and like I've been using different geographical locations data to map the carbon projects that have been implemented in different parts of the world.

46:52 - 47:02 **Byron Cochrane**  
And in that case, my task was to like, I was doing the resource on the graph database using the startup technology.

47:03 - 47:12 **Byron Cochrane**  
And while working there, like I have to do different kinds of spectral queries to retract the data from the knowledge graph.

47:13 - 47:22 **Byron Cochrane**  
And basically my knowledge graph uses the ontology that I have created by looking different registries.

47:23 - 47:34 **Byron Cochrane**  
And then based on that, my spectral queries will be connected to the startup and then I can detect the information through here.

47:34 - 47:42 **Byron Cochrane**  
And while working in that project, the thing is that every non-technical users cannot use these spectral queries.

47:42 - 47:44 **Byron Cochrane**  
They can't type everything by themselves.

47:44 - 48:01 **Byron Cochrane**  
So what I've used is the LLM Lars Langer's model to generate these virtual queries automatically, so that it will be helpful for the non-technical users to retract the incompressible from there as well.

48:03 - 48:08 **Byron Cochrane**  
So to bring that to the metadata standards world, there's a range of things happening here.

48:09 - 48:18 **Byron Cochrane**  
But one is a range of different metadata, data products, which will need to be described with their metadata, both inputs and outputs of this process.

48:19 - 48:30 **Byron Cochrane**  
And there is a provenance trace around what was used, what though, which this model generated this query, which you generated this result.

48:31 - 49:11 **Byron Cochrane**  
And so that's, if you start breaking down the various individual pieces that need to be thought about in terms of standardization, you end up with this list, which is, we've got a straw man for what would it look like to attach the provenance model to the geodecab model so we could formalize that I mean that doesn't that that attachment isn't formalized anywhere but dcap has a dublin core provenance option or there's a provenance was generated by so then if we start looking at the various types of AI and LLM components.

49:11 - 49:17 **Byron Cochrane**  
You could say, what are the specialized types of provenance for AI type activities?

49:18 - 49:20 **Byron Cochrane**  
Now, there's lots of GOA happening.

49:20 - 49:21 **Byron Cochrane**  
Is there a framework?

49:21 - 49:26 **Byron Cochrane**  
Is there a high level set of classification of AI activities?

49:27 - 49:31 **Byron Cochrane**  
So for example, there we might use training ML, which is an OTC standard.

49:32 - 49:36 **Byron Cochrane**  
How do we attach training ML to a metadata record?

49:36 - 49:44 **Byron Cochrane**  
How do we find a, how do we attach a reference to a training data set to a, to geographic metadata.

49:45 - 49:49 **Byron Cochrane**  
So we can just test that using SAGAR's work.

49:49 - 49:53 **Byron Cochrane**  
We can generate some examples and say well actually this is how it's done.

49:54 - 50:01 **Byron Cochrane**  
It should be fairly straightforward but it needs defining a profile which is specifying how you attach it.

50:02 - 50:07 **Byron Cochrane**  
And then we can then look at no geodecap as AI, as a full profile.

50:07 - 50:14 **Byron Cochrane**  
And then we could look at the Airflow, which is the software library that's Langflow.

50:16 - 50:24 **Byron Cochrane**  
So, yeah, so you're using Langchain, and one of your other colleagues was using Langflow to choreograph Langchain.

50:25 - 50:32 **Byron Cochrane**  
Langflow is based on Apache Airflow, which is a bit similar to, for example, Esri FME, or it's the workflow.

50:32 - 50:56 **Byron Cochrane**  
So we could look at those libraries and making sure those libraries support the general metadata records and the provenance chain capture and then we could then look at racking that in OTA co-processes Okay, here's OTA co-processes view of a land flow workflow and which can eat and spit out.

51:00 - 51:08 **Byron Cochrane**  
The OGC metadata elements and the provenance chain, which is how they were taken together.

51:09 - 51:20 **Byron Cochrane**  
And then then we could extend it for more of the stack elements if you wish to and then we can know we can put examples into the things we can actually generate.

51:21 - 51:32 **Byron Cochrane**  
So we get up from records to stack which is a more complicated set of options, and then we could also potentially look at delivering these things.

51:32 - 51:39 **Byron Cochrane**  
So we've got PyGU API delivery records, or GeoNetwork would be another example.

51:42 - 51:53 **Byron Cochrane**  
I chose the PyGU API at the time because it's piped and it's more easily mapped to the Airflow workflow.

51:53 - 52:22 **Byron Cochrane**  
And then then we can look at any sort of clientage or exercising it so there's a lot of different things we might do but at some point the idea was there would be moved towards and developments and standards and whether we are just capturing some examples of what a real world workflow looks like and mapping that as an example or whether we're actually defining or whether we're So Marcus online put his hand up and said.

52:22 - 52:37 **Byron Cochrane**  
I'm interested and I've pushed him for some information about the PyGU API approach to handling records templates to see whether we can look at whether those could be delivered.

52:38 - 52:49 **Byron Cochrane**  
So this is an interesting framework and we can rinse and repeat the same thing with data except that with data quality, we don't have as much information about the types of workflows and how they're related.

52:50 - 52:58 **Byron Cochrane**  
So the processes defining provenance, sorry.

53:00 - 53:08 **Byron Cochrane**  
Processes with data quality, I think would be a logical extension of this, because I actually want to see what type of activities have.

53:08 - 53:16 **Byron Cochrane**  
Now for example training ML is sort of a bit related to some of the quality issues.

53:16 - 53:30 **Byron Cochrane**  
So understanding what people's use cases are for quality, capturing them, working out how to transfer the quality information through the provenance chain when you're losing airflow or any one of these workflows.

53:31 - 53:55 **Byron Cochrane**  
Now my assumption here was that you need to know what you know about data quality at each step and you need to have software libraries that are able to give you a place to annotate each step with what you know about data quality, either what the input expectations are, what the output expectations are, or what the specific measures that you undertook or even how you undertook them.

53:55 - 54:26 **Byron Cochrane**  
I mean all those things would be part of ultimately a good transparent data supply chain particularly and say I mentioned carbon accounting we're seeing a lot more places where the data supply chain is a lot more accountable so that sort of explains 18 and 20 and 19 I think was sort So that's three of those things to cover it all.

54:26 - 54:32 **Byron Cochrane**  
Yeah, that raises a point that going down a path, I think, is really useful here.

54:32 - 54:35 **Byron Cochrane**  
We've got quite a list of things of our tasks.

54:36 - 54:44 **Byron Cochrane**  
And if we can combine them and get to maybe this one, I can combine with this other one in order to get some real results today.

54:44 - 54:48 **Byron Cochrane**  
So we have some real collaboration going on.

54:48 - 55:00 **Byron Cochrane**  
So an important thought is going to be to consider how we can merge some of these things into a useful task that supports everyone.

55:01 - 55:11 **Byron Cochrane**  
So, in that space, if you can upload bits of the task, I haven't introduced myself yet, so nobody knows that I would upload it in the prompt.

55:12 - 55:17 **Byron Cochrane**  
I mean, formalizing or fathoming out the good ways of the prompt extension to the de-catch.

55:36 - 55:45 **Byron Cochrane**  
So we've got a lot of interest, it seems, in working on PROV as well, including in this decap framework.

55:46 - 55:53 **Byron Cochrane**  
On the assumption it proves to be the right place that mobile provenance isn't something to be decap, seems to be a good place to start.

55:53 - 55:56 **Byron Cochrane**  
And country 3C is a completely different form of decap.

55:56 - 55:57 **Byron Cochrane**  
Yeah, yeah, certainly.

55:58 - 55:59 **Byron Cochrane**  
That's what we're testing, right?

56:01 - 56:02 **Byron Cochrane**  
Ok.

56:04 - 56:13 **Byron Cochrane**  
So is there any of these others that stand out that are anyone wants to talk to particularly.

56:14 - 56:17 **Byron Cochrane**  
We have a 115 GeoJSON schema.

56:20 - 56:27 **Byron Cochrane**  
So that's, I assume was the 115-4 work and we don't have Paul here.

56:27 - 56:31 **Byron Cochrane**  
Paul who's leading that project is currently heading the 4-day.

56:33 - 56:39 **Byron Cochrane**  
But I think part of that project I don't necessarily mean a lot, whilst we're not as much about it as Paul does.

56:41 - 56:59 **Byron Cochrane**  
There are, and Clarence or Tello has contributed quite a lot, probably if you open that issue down there, saying here's a collection of things at a certain level of maturity, and that project was very happy that people could test them in some way.

57:10 - 57:11 **[speaker unknown]**  
So basically.

57:15 - 57:24 **Byron Cochrane**  
Yes, so they're working on a JSON in coding of 191.1.5.1, and it works with all of 191.1.5.4.

57:26 - 57:29 **Byron Cochrane**  
And they've got as far as I can tell, and they've got as far.

57:35 - 57:35 **[speaker unknown]**  
Yeah.

57:39 - 57:41 **Byron Cochrane**  
I'm not seeing Clements comment there.

57:41 - 57:41 **Byron Cochrane**  
That is.

57:42 - 57:42 **Byron Cochrane**  
I had linked to it.

57:43 - 57:46 **Byron Cochrane**  
But I was just checking to see if Clements was there.

57:47 - 57:48 **Byron Cochrane**  
Okay.

57:48 - 57:52 **Byron Cochrane**  
It might be at the end of Latin today which we may or may not be able to open to.

57:54 - 58:03 **Byron Cochrane**  
But yeah, that's another piece that they're putting on the table, but I don't think anyone's actually turning up who's equipped to actually test the velocity of the problem.

58:03 - 58:07 **Byron Cochrane**  
I can look at it efficiently, but it's...

58:07 - 58:11 **Byron Cochrane**  
Well, I can not count it much in this century, that's good to know.

58:12 - 58:16 **Byron Cochrane**  
So this is one area where I can sit and work on that aspect.

58:17 - 58:24 **Byron Cochrane**  
Depends on how many things are happening with it and how many other demands are up.

58:28 - 58:30 **Byron Cochrane**  
I think there's some real questions.

58:30 - 58:33 **Byron Cochrane**  
I've been part of the 115-4 stuff too.

58:34 - 58:39 **Byron Cochrane**  
It's not a full encoding of 115-1.

58:39 - 58:41 **Byron Cochrane**  
It's only partial at this point.

58:42 - 58:44 **Byron Cochrane**  
Which parts are we not doing?

58:44 - 58:46 **Byron Cochrane**  
How important are they?

58:47 - 58:48 **Byron Cochrane**  
Yeah, that's a good question.

58:48 - 58:52 **Byron Cochrane**  
So it was originally tasked with doing a subset of that.

58:52 - 58:59 **Byron Cochrane**  
For a while, trying to do everything, decided it would be better off going back to the subset and agreeing that we would pick the right subset.

58:59 - 59:00 **Byron Cochrane**  
And I think it would be helpful, actually.

59:00 - 59:05 **Byron Cochrane**  
So many of the stuff that I've said, they've also had that kind of thing.

59:06 - 59:07 **Byron Cochrane**  
It would be helpful in terms of the project.

59:12 - 59:20 **Byron Cochrane**  
I was thinking, Rob, in the list of issues, there are quite a lot that actually relate to David's very hand-on-shoot, hand-on-shoot.

59:21 - 59:37 **Byron Cochrane**  
And there's quite a lot of stuff about mapping for a period of about several issues that relate to mapping to and from DCAT, and several that relate to mapping 1.9.1.5 or 2.0.7 or a couple.

59:37 - 59:49 **Byron Cochrane**  
And those, while a lot of them sit at a conceptual level, They have their own if they work out an XSLC level, and I'll ask you whether it's right or wrong.

59:50 - 59:52 **Byron Cochrane**  
We could reverse engineer a conceptual mapping out of those.

59:54 - 59:57 **Byron Cochrane**  
I might therefore sort of take the box for a couple of other things.

59:59 - 01:00:01 **Byron Cochrane**  
But actually, that's that.

01:00:01 - 01:00:05 **Byron Cochrane**  
So the JSON version of 1.1.1.5 is its own set of little bubbles.

01:00:06 - 01:00:20 **Byron Cochrane**  
I think another one makes a nice little bubble, as well as actual sort of hands-on coding part of what's possible would be linked in to the data quality register, which I think is probably one of the issues on the program as well.

01:00:20 - 01:00:23 **Byron Cochrane**  
Yeah, and so I was just thinking about jumping to it.

01:00:24 - 01:00:27 **Byron Cochrane**  
I suppose, Barna, would like to chat about this a bit?

01:00:27 - 01:00:31 **Byron Cochrane**  
Yes, so this is Yana Yana from the University of New York.

01:00:31 - 01:00:43 **Byron Cochrane**  
I say I'm not sure which is the data quality that was registered, but for a second, I would like to take a look back on the use of register, which is now being commented in version one.

01:00:44 - 01:00:58 **Byron Cochrane**  
And what we were thinking is to let people actually try and perform simplistic quality evaluation on some of the measures that have been over the time, COVID-Astronom, matching the COVID-Astronom.

01:00:59 - 01:01:04 **Byron Cochrane**  
And whilst doing that, I'd like to look at what students.

01:01:21 - 01:01:25 **Byron Cochrane**  
So that does merge pretty well, you feel, with what Prabhupada was just talking about earlier?

01:01:27 - 01:01:44 **Byron Cochrane**  
So practically what we could do is we could take some of the prominent traits as we've to see what the moving parts are, and then we maybe could use your expertise to identify what would be the data quality attachment, and then we could just enrich those examples, and then at least capture test cases for handling data quality in future.

01:01:44 - 01:01:49 **Byron Cochrane**  
At least put some requirements at a small man for how we might do it.

01:01:49 - 01:01:50 **Byron Cochrane**  
That's a nice story.

01:01:51 - 01:01:51 **Byron Cochrane**  
Yeah.

01:01:51 - 01:01:59 **Byron Cochrane**  
I think writing the coding to do evaluation of data quality measures probably going to be a stretch for something organized.

01:01:59 - 01:02:24 **Byron Cochrane**  
In this time zone with this, no, metadata is complex, it's a loose collage, I think we'll probably need a more focused activity on that specifically, will be my feeling, but I think if we can start annotating the examples that emerge with threads, with what would it look like with the data quality statements look like with reference to the register.

01:02:25 - 01:02:29 **Byron Cochrane**  
Here and here, and that we have people to try and pull.

01:02:31 - 01:02:39 **Byron Cochrane**  
It can be as simple as compare, it should be this and it's this, and whatever aspect, it's the simplest one.

01:02:39 - 01:02:50 **Byron Cochrane**  
We should have this many features in our data set, but we have this much in the data for information and extra formations is this many percent.

01:02:50 - 01:03:07 **Byron Cochrane**  
We have that measure there, but it's not a formula, it just says percentage of this and that, and it's really that contrasting link to a bench step, because this is the measure we use, and that, you know, I use the report when we are done.

01:03:12 - 01:03:13 **[speaker unknown]**  
Cool.

01:03:14 - 01:03:29 **Byron Cochrane**  
There's one other topic that we talked about earlier, that Peter, I guess, for the 115-1 review, you wanted to bring in a little bit of a, and perhaps a de-cat bit on that.

01:03:29 - 01:03:30 **Byron Cochrane**  
Did you want to talk about that?

01:03:30 - 01:03:32 **Byron Cochrane**  
I can talk about that.

01:03:32 - 01:03:38 **Byron Cochrane**  
I've just put a bit in the chat to ask if anyone online is actually hearing any discussion in the room.

01:03:39 - 01:03:40 **Byron Cochrane**  
So far, no one has answered.

01:03:41 - 01:03:44 **Byron Cochrane**  
So there are two microphones, three microphones sitting on the table.

01:03:44 - 01:03:45 **Byron Cochrane**  
Yeah, but they don't think they're...

01:03:45 - 01:03:47 **Byron Cochrane**  
They're not connected to the phone, though.

01:03:47 - 01:03:48 **Byron Cochrane**  
They're not connected.

01:03:48 - 01:03:49 **Byron Cochrane**  
So we're all going through the microphones.

01:03:49 - 01:03:51 **Byron Cochrane**  
Yeah, we're all going through this.

01:03:51 - 01:03:56 **Byron Cochrane**  
We don't have any way of connecting it to, on this here, which we could.

01:03:57 - 01:04:01 **Byron Cochrane**  
If I could put my stage voice on and they may hear me through the fire and slap talk.

01:04:01 - 01:04:03 **Byron Cochrane**  
I can move it closer, but.

01:04:03 - 01:04:10 **Byron Cochrane**  
Well, that also is not a particularly sociable way of holding a meeting with the people in the room.

01:04:11 - 01:04:14 **Byron Cochrane**  
David says he can hear most people, but it's difficult to sound.

01:04:15 - 01:04:20 **Byron Cochrane**  
So if you're wanting to be heard online, keep your voice level up, because we've just got this little tag.

01:04:20 - 01:04:46 **Byron Cochrane**  
Anyway, 191.5-1 revision will properly start in the new year and will, well, I'll go with almost certainly start in the new year, because TC211 has decided it's time to revise it for the 10 years old and there's lots of suggestions to make it better, one of which has come from several sources to say we'd like an ISO document stating and mapping the decap.

01:04:48 - 01:05:08 **Byron Cochrane**  
The big question, I guess, for me, because I'll probably be leading this project to this assembled audience, is how much use is that to people, and for those for whom it is of use, have you got any input you'd like to make, even starting with does it, is it better to be a normative ISO document I use.

01:05:08 - 01:05:21 **Byron Cochrane**  
You can actually formally say you comply to it, or an informative ISO document appropriate at this stage to say here's what we think and it was just a useful collection of suggestions.

01:05:23 - 01:05:42 **Byron Cochrane**  
Yeah and then I've already asked Jerome on github and David in this chat if their work on XSLT mapping is if they're willing to either donate that or contribute their time as well to that reverse engineering from that to a conceptual mapping for the possibility.

01:05:43 - 01:06:01 **Byron Cochrane**  
So the ISO current expectation is we'll publish a conceptual mapping, so it's from part one, which is a, I will upset the purest in the modeling world, I don't know if it's a conceptual mapping or a logical mapping, but it's certainly not XML or JSON or something, it's up there slightly.

01:06:02 - 01:06:12 **Byron Cochrane**  
From part one to DCAT, which itself has multiple encodings and therefore exists in some vague sense as a conceptual thing.

01:06:12 - 01:06:29 **Byron Cochrane**  
So it will map the terms, it will map the relationships between terms, as opposed to saying this XML structure should be turned into this if you happen to be doing it in DCAT in TURTLE or DCAT in RDF XML or something, because there are lots of flavors on both sides.

01:06:29 - 01:06:35 **Byron Cochrane**  
Well, there's only one on the one down, one on five side so far, and there'll be a second one, hopefully towards the end of next year.

01:06:35 - 01:07:01 **Byron Cochrane**  
So the idea of the project is that by towards the end of 2025 we will have a formal ISO document and really that is hardly a count sprint activity, it's just the audience assembled to take the opportunity to let us know, me know, how valuable that is and what your steer would be and I don't particularly need to hear that from people who are actually in at TC211 last week.

01:07:01 - 01:07:03 **Byron Cochrane**  
Because he told us last week.

01:07:03 - 01:07:06 **Byron Cochrane**  
But if you want to tell me again in coffee breaks, that's fine.

01:07:06 - 01:07:09 **Byron Cochrane**  
And so in this room, that's only just two of you.

01:07:09 - 01:07:11 **Byron Cochrane**  
But online, there are several.

01:07:11 - 01:07:14 **Byron Cochrane**  
So Byron was remotely at TC211 last week.

01:07:15 - 01:07:22 **Byron Cochrane**  
The reason you've got so many foreigners in Australia for this meeting is that there's only two of us, actually.

01:07:23 - 01:07:25 **Byron Cochrane**  
And we're here for a meeting last week as well.

01:07:27 - 01:07:28 **Byron Cochrane**  
So I'm pleased to pass.

01:07:28 - 01:07:32 **Byron Cochrane**  
So I chaired the meeting last week and I won't be doing that again, but that's the difference.

01:07:32 - 01:07:37 **Byron Cochrane**  
So it was really good, it's not for that reason, it's just my three year term has come to an end.

01:07:37 - 01:07:45 **Byron Cochrane**  
I have a question that's kind of high-level to the audience, both this PC-211 and RDF sort of thing.

01:07:46 - 01:07:51 **Byron Cochrane**  
And I think I know the answer to this, but it's probably nice to be clear on it.

01:07:51 - 01:07:59 **Byron Cochrane**  
When we do a mapping to RDF, is there any need for additional guidance on the encoding in RDF?

01:08:00 - 01:08:08 **Byron Cochrane**  
Meaning it's in RDF that doesn't really go from one encoding to the other, lots of sleep.

01:08:09 - 01:08:13 **Byron Cochrane**  
Yeah, so that shows that, because that's a mapping as a metamodel level.

01:08:13 - 01:08:20 **Byron Cochrane**  
So if you're mapping the things that are modelled in UML to being modelled in RDF, and that is a...

01:08:20 - 01:08:26 **Byron Cochrane**  
But I mean, if you map it, you need a different document to say how to do an infertile work.

01:08:28 - 01:08:30 **Byron Cochrane**  
I don't think so, no, I think once we...

01:08:30 - 01:08:38 **Byron Cochrane**  
Well, if I say put out a 19115-1 to DCAT, then people can encode that DCAT in whatever flavour they like.

01:08:38 - 01:08:47 **Byron Cochrane**  
But what we've got to do is overcome the UML legacy of 1.5-1 into the RDF heritage of DCAT.

01:08:47 - 01:08:49 **Byron Cochrane**  
That's part of the challenge.

01:08:49 - 01:09:10 **Byron Cochrane**  
By doing it conceptually, more or less mapping data dictionary to data dictionary, plus a bit about relationships, that I think is achievable, rather than trying to crack the generic how do you map UML to RDF problem, which we have attempted in a number of ways and are currently trying to do better.

01:09:10 - 01:09:19 **Byron Cochrane**  
But mostly by focusing on little bits like Coders and then other application schemas and so on before.

01:09:20 - 01:09:20 **Byron Cochrane**  
So.

01:09:23 - 01:09:27 **Byron Cochrane**  
How do you get from a relational world to a triple store world?

01:09:27 - 01:09:33 **Byron Cochrane**  
It's something you just favor off and need to tell you for a long time, but it wouldn't necessarily come up with a complete answer.

01:09:33 - 01:09:36 **Byron Cochrane**  
One of the problems is that there are multiple ways of doing that.

01:09:39 - 01:09:41 **Byron Cochrane**  
And none of them are canonical.

01:09:42 - 01:09:48 **Byron Cochrane**  
One way is we can go to JSON and JSON-LD up to RDF.

01:09:49 - 01:09:51 **Byron Cochrane**  
That's fairly good in terms of toolchain.

01:09:52 - 01:09:57 **Byron Cochrane**  
We can do XSLT from XML versions of things into RDF XML.

01:09:57 - 01:10:06 **Byron Cochrane**  
And that's a more, it's a private tool, James.

01:10:06 - 01:10:11 **Byron Cochrane**  
There's also things like R2ML and very different flavors of that.

01:10:11 - 01:10:14 **Byron Cochrane**  
And there's another one being pushed by European Union at the moment.

01:10:14 - 01:10:17 **Byron Cochrane**  
I can't remember off the top of my head what it is.

01:10:19 - 01:10:33 **Byron Cochrane**  
Yeah, so one of the challenges is, and UML has no real direct support, so I did actually develop a UML profile for doing mapping when I was at CSIRO, which we again wrote tools which would create converters.

01:10:33 - 01:10:50 **Byron Cochrane**  
So it'd be interesting to hear, we've got a couple people online still to hear from, but David Blasby who might have some insight about mapping technologies other than XSLT that to me they're interested in supporting.

01:10:50 - 01:10:58 **Byron Cochrane**  
I think that I thought that what Byron was bringing up was the more conceptual challenge of which you could encapsulate.

01:10:58 - 01:11:01 **Byron Cochrane**  
So people talk about it as a closed world and open world.

01:11:01 - 01:11:04 **Byron Cochrane**  
So generally speaking, I don't think that's entirely fair.

01:11:04 - 01:11:09 **Byron Cochrane**  
But generally speaking, a UML-based specification says, here is the description.

01:11:10 - 01:11:12 **Byron Cochrane**  
If you want to extend it, you extend it.

01:11:12 - 01:11:15 **Byron Cochrane**  
Whereas the RDF world says, here's a little bit of description.

01:11:15 - 01:11:19 **Byron Cochrane**  
And out there in the world are all the possible ways you might extend it just in terms of what you like.

01:11:19 - 01:11:26 **Byron Cochrane**  
Hence, for example, you know, lineage is a statement with a rather complicated thing in 191.15.

01:11:28 - 01:11:32 **Byron Cochrane**  
Prov is possibly the good way to do it from decap, but it's not part of decap.

01:11:32 - 01:11:33 **Byron Cochrane**  
It's another RGF vocabulary.

01:11:34 - 01:11:40 **Byron Cochrane**  
And that's the RGF is made up of lots of bits that one assumes should work together, but you have to prove it.

01:11:41 - 01:11:47 **Byron Cochrane**  
Whereas the other is some small sum bits, which we've shown work together, but you might not like them, heavy inside that.

01:11:47 - 01:11:53 **Byron Cochrane**  
And the project will make those sorts of decisions and publish them in some sense.

01:11:53 - 01:12:00 **Byron Cochrane**  
And I would say, okay, we have decided that if you want to do lineage, you will use prop and you'll use it like this.

01:12:01 - 01:12:13 **Byron Cochrane**  
Whether we make that a normative document that you can choose to comply to or an informative document that you can choose to use doesn't necessarily make a lot of difference, but for some people it does.

01:12:13 - 01:12:20 **Byron Cochrane**  
Well, what you can do, and I have some strong men here, is you can really easily describe the full profile.

01:12:20 - 01:12:30 **Byron Cochrane**  
So I've created a schema for JSON for PROC so it can be attached to records in SAC if we wish, okay, or I don't know, also I'll go through the measurements.

01:12:32 - 01:12:36 **Byron Cochrane**  
So if we did that, then that comes with the mapping to the PROC recovery.

01:12:38 - 01:12:51 **Byron Cochrane**  
And you then say, or a full profile which would say that geodecap plus prob would simply be a statement that you must support, you must be compliant with the provenance schema.

01:12:53 - 01:12:55 **Byron Cochrane**  
And the decap schema.

01:12:56 - 01:13:00 **Byron Cochrane**  
So effectively, decap already has a hook for problems, it just doesn't say what it is.

01:13:01 - 01:13:04 **Byron Cochrane**  
It simply constrains what it is.

01:13:04 - 01:13:08 **Byron Cochrane**  
It's either a URL to go to something or it's an embedded provenance schema.

01:13:11 - 01:13:16 **Byron Cochrane**  
So formalizing and publishing that, mechanically it's straightforward, but the challenge is governance.

01:13:16 - 01:13:18 **Byron Cochrane**  
Who owns that, okay?

01:13:18 - 01:13:24 **Byron Cochrane**  
And so, I don't know, what's to stop somebody else doing a 15-dupe and other racist schemers?

01:13:24 - 01:13:25 **Byron Cochrane**  
Well, they kind of already have.

01:13:25 - 01:13:35 **Byron Cochrane**  
So can we actually choose a, it's not actually an authority, but can we basically publish one, here's a building block for prominence.

01:13:35 - 01:13:39 **Byron Cochrane**  
That's what we have as a straw man, which we'll get people to actually start building.

01:13:46 - 01:14:05 **Byron Cochrane**  
So we have some strong language you can test, but the actual mapping process is complicated because we have complex structures with implicit semantics in the various metadata records.

01:14:05 - 01:14:31 **Byron Cochrane**  
So, for example, reports has a language with a code and scheme, and whereas RDF will say, look, I either want a localized frame with a particular form or a well-formed URI I can deal with.

01:14:31 - 01:14:40 **Byron Cochrane**  
So then you'd say, all right, we've now got records, which is- so we've then got themes, which DCAD theme is very straightforward, it points to URIs.

01:14:40 - 01:14:52 **Byron Cochrane**  
But in records, it points to an array of arrays, and each array is a dictionary of terms which may belong to a scheme, which is somewhere else in the array.

01:14:53 - 01:14:56 **Byron Cochrane**  
So, you know, it's a complicated structure for the concept of an identifier.

01:14:56 - 01:15:01 **Byron Cochrane**  
You have to do a lot of logic to join the pieces together, which means that it's mapping is that simple.

01:15:01 - 01:15:01 **Byron Cochrane**  
They're not trivial.

01:15:03 - 01:15:11 **Byron Cochrane**  
So how do you do a conceptual mapping when you've got different structural artifacts with implicit semantics in them?

01:15:11 - 01:15:32 **Byron Cochrane**  
Is the bit where, now, having been used for a long period of time, I can say there isn't really a canonical mapping language that works on a conceptual level we have that handles the fact that we have diverse structures with overlapping but idiosyncratic implicit semantics in their tractors.

01:15:33 - 01:15:40 **Byron Cochrane**  
So that's why we may need to start off as suggested doing some extra complete things and see what we're going to do look like.

01:15:41 - 01:15:50 **Byron Cochrane**  
We can do some JSON-LD mapping up to a regular ontology which we can then do a sparkle mapping to DGAT.

01:15:50 - 01:15:53 **Byron Cochrane**  
So we've got, so I have a straw man for doing and testing these things.

01:15:53 - 01:16:03 **Byron Cochrane**  
But I think realistically this stuff is so poorly handled at the moment, the mappings are just in pieces of documentation in all sorts of places, all over the place.

01:16:04 - 01:16:19 **Byron Cochrane**  
It's such that we just need to probably just start off with limiting our emissions and capturing a few examples of what are the types of mappings, how do the semantics of those 9-1-1-5 structures map to D-cap structures and to recollect structures.

01:16:19 - 01:16:28 **Byron Cochrane**  
We can just capture that any way that suits us for now as examples, then I believe we can put that on the table for thinking about what the next step is.

01:16:29 - 01:16:31 **Byron Cochrane**  
I don't think we'll be able to get very far on that.

01:16:32 - 01:16:35 **Byron Cochrane**  
We're keeping off of a project that will be about at least a year.

01:16:36 - 01:16:39 **Byron Cochrane**  
I hope it's for a year, but it might take a bit of time.

01:16:40 - 01:16:42 **Byron Cochrane**  
But that's one of the systems.

01:16:43 - 01:16:48 **Byron Cochrane**  
One was to get opinions back as to how useful it is, and the other was to get useful bits.

01:16:48 - 01:16:55 **Byron Cochrane**  
There are, there are, because 191.5 has...

01:18:14 - 01:18:16 **[speaker unknown]**  
You.

01:18:49 - 01:18:50 **[speaker unknown]**  
You.

01:19:19 - 01:19:20 **[speaker unknown]**  
You.

01:19:49 - 01:19:50 **[speaker unknown]**  
You.

01:20:20 - 01:20:22 **[speaker unknown]**  
You.

01:21:36 - 01:21:41 **Rob**  
Hi folks, I'd like to try switching to my microphone to give you a little bit of an Does that work for.

01:21:41 - 01:21:41 **Matthew Purss (Pangaea Innovations Pty Ltd)**  
Anyone?

01:21:49 - 01:21:50 **Rob**  
Can someone.

01:21:50 - 01:21:50 **Matthew Purss (Pangaea Innovations Pty Ltd)**  
Online.

01:21:50 - 01:21:51 **Rob**  
Give us a...

01:21:53 - 01:21:54 **Matthew Purss (Pangaea Innovations Pty Ltd)**  
Uh, yep, I can hear.

01:21:54 - 01:21:55 **Rob**  
You.

01:22:00 - 01:22:00 **Rob**  
No.

01:22:05 - 01:22:06 **Rob**  
We can't hear people online.

01:22:16 - 01:22:25 **Rob**  
It should be getting through the room speakers on Barron's machine for Barron's trying to rejoin.

01:22:25 - 01:22:28 **Rob**  
Anyway, I'm not, I'm like, Discord sound, maybe.

01:22:30 - 01:22:34 **Rob**  
Okay, Discord's being somewhere, yeah.

01:22:35 - 01:22:35 **Rob**  
I agree.

01:22:54 - 01:22:55 **Rob**  
So.

01:22:55 - 01:22:57 **Matthew Purss (Pangaea Innovations Pty Ltd)**  
If you can hear.

01:22:57 - 01:22:58 **Rob**  
Me.

01:22:58 - 01:23:03 **Rob**  
I can hear you, but unfortunately it's only coming through my laptop at the moment.

01:23:04 - 01:23:04 **Rob**  
Ah, cool.

01:23:07 - 01:23:07 **[speaker unknown]**  
Right.

01:23:07 - 01:23:08 **Markus Wilhelm Jahn**  
That's okay.

01:23:10 - 01:23:16 **Markus Wilhelm Jahn**  
But it says that unless the organizer rejoins, the session will end soon.

01:23:17 - 01:23:18 **Matthew Purss (Pangaea Innovations Pty Ltd)**  
Since losing hits.

01:23:19 - 01:23:20 **Rob**  
It's closing time.

01:23:21 - 01:23:24 **Rob**  
Okay, I think...