**OGC GeoDCAT SWG**  
  
August 1, 2024 . 9:57 PM . ID: 791037533 **Transcript**

00:00 - 00:03 **[speaker unknown]**  
This conference will now be recorded.

00:04 - 00:05 **Byron Cochrane**  
All right.

00:05 - 00:08 **Byron Cochrane**  
Well, I got a very short agenda slide here.

00:08 - 00:11 **Byron Cochrane**  
I'll throw up because it gives me something to talk to.

00:13 - 00:21 **Byron Cochrane**  
And basically my agenda is about two things that came up this week that I thought were worth talking about.

00:21 - 00:39 **Byron Cochrane**  
One was the World Fair CDIF was a presentation on that were kind of more a presentation of the results of it and a kickoff for the next phases of it that they were trying to get people on board with.

00:39 - 00:41 **Byron Cochrane**  
And I hadn't been that familiar with this work.

00:41 - 00:58 **Byron Cochrane**  
I don't know if others in this group are, but there was quite a bit there that seemed to be very much in line with what we're trying to do, or perhaps it would be kind of good of us to useful for us to align with that work.

00:58 - 01:02 **Byron Cochrane**  
And then another meeting that I had just, how long ago was that?

01:02 - 01:09 **Byron Cochrane**  
Two days ago, that was an Australian Geo Network User Group meeting.

01:09 - 01:11 **Byron Cochrane**  
And I met Javier at that.

01:11 - 01:16 **Byron Cochrane**  
And he was telling me about some work at Tern, I believe is where it was, wasn't it?

01:16 - 01:21 **Byron Cochrane**  
Of doing the Geo DCAT encoding for some of the work you're doing.

01:21 - 01:25 **Byron Cochrane**  
That's along the lines of what has happened in Europe.

01:26 - 01:28 **Byron Cochrane**  
So those are the two things.

01:28 - 01:33 **Byron Cochrane**  
So I thought I'd have have your talk about that a little bit in a moment.

01:33 - 01:35 **Byron Cochrane**  
Those are the two things that I had on there.

01:35 - 01:42 **Byron Cochrane**  
And I'm wondering before I get going any further, if anyone else had any other business they'd want to put on the agenda.

01:45 - 01:50 **Panagiotis (Peter) A. Vretanos**  
I'm just here to answer any catalog questions.

01:50 - 01:51 **Panagiotis (Peter) A. Vretanos**  
So do you see API records?

01:53 - 02:12 **Panagiotis (Peter) A. Vretanos**  
All of my participation this go around was because Uwe asked me a question about making Geo DCAT the default encoding for the catalog and I kind of explained to him what the rationale was with OGC API records.

02:12 - 02:18 **Panagiotis (Peter) A. Vretanos**  
So I was just going to kind of repeat that a little bit here for the group in general.

02:18 - 02:22 **Byron Cochrane**  
Yeah they really would enjoy that.

02:23 - 03:05 **Rob Atkinson**  
So if I can I can add some to that as well which is we did some work looking at mapping records to DCAT and what we did is we identified a little records ontology candidate to provide an intermediate form so we could move the we could map the record schema too so we then map that to the geodecat because the uplift with JSON-LD to an ontology won't go one-to-one from records to decat because there's some structural things which JSON-LD mappings can't handle.

03:06 - 03:23 **Rob Atkinson**  
So we've done a mapping to an intermediate ontology and I guess we might just quickly introduce that and maybe get people to look at that and then we can show the how we're handling the second level mapping in the in the building block methodology.

03:27 - 03:30 **Byron Cochrane**  
And Peter, you have your hand up.

03:31 - 03:40 **Peter Parslow**  
Yeah I'm hoping if there's any update on the November code sprint workshop whatever it is to be in.

03:42 - 03:43 **[speaker unknown]**  
Well.

03:50 - 03:52 **Byron Cochrane**  
I guess we can start with that one.

03:52 - 03:55 **Byron Cochrane**  
I think it's the easiest one to start with.

03:58 - 04:03 **Byron Cochrane**  
I'm trying to remember where we left off last time on that topic.

04:03 - 04:08 **Byron Cochrane**  
We had had the meeting with GOBE and it was basically all set together.

04:09 - 04:17 **Byron Cochrane**  
There was a little concern about running two code sprints because there was one that was wanting to run at the same time basically in India.

04:17 - 04:20 **Byron Cochrane**  
But the nature of our code it's a little different.

04:20 - 04:24 **Byron Cochrane**  
There's essentially two main types of code sprints.

04:24 - 04:35 **Byron Cochrane**  
One's run by the Swedes themselves, and one is kind of a more open code sprints that need sponsors and everything else from that NOGC leads all that.

04:35 - 04:41 **Byron Cochrane**  
So that's basically where someone with some money comes to them and say, hey, we'd like to see some improvement on this.

04:41 - 04:44 **Byron Cochrane**  
Could you hold a code sprint centered around some topic?

04:44 - 04:46 **Byron Cochrane**  
At least the way I understand it.

04:46 - 04:55 **Byron Cochrane**  
But since we're doing something that's more narrowly focused, then that's not as necessary.

04:55 - 05:04 **Byron Cochrane**  
And we can run it just as a swig, or swig or dweeg, you know, so it'd be kind of broader than just geodecap at that.

05:05 - 05:15 **Byron Cochrane**  
But, yeah, we don't really need to have that much coordination and support that would impact their ability to do it.

05:16 - 05:24 **Byron Cochrane**  
We'd still get support, like the technical support on being able to use the GoToMeeting and the advertising and everything else of it.

05:24 - 05:25 **Byron Cochrane**  
So that's where that was left.

05:25 - 05:27 **Byron Cochrane**  
We still need a venue.

05:27 - 05:36 **Byron Cochrane**  
The dates seem really good for most people of the 18th, 19th, 20th November, but we still need a venue.

05:37 - 05:40 **Byron Cochrane**  
And have you talked to anyone, Rob?

05:40 - 05:43 **Byron Cochrane**  
You said you thought you had someone in mind, remember, right?

05:45 - 05:57 **Rob Atkinson**  
Yeah, look, I spoke to Cici's Latin over and at Union New South Wales and there was some interest there.

05:58 - 06:03 **Rob Atkinson**  
I needed to double check exactly what the dates were but I'll get back to her.

06:04 - 06:04 **Byron Cochrane**  
Do you.

06:04 - 06:07 **Rob Atkinson**  
Know Cici Byron?

06:08 - 06:10 **Byron Cochrane**  
Seems like someone I've met but I can't place a face.

06:11 - 06:13 **Rob Atkinson**  
Okay, yeah, He's a professor at the BUILD environment.

06:13 - 06:15 **Byron Cochrane**  
At New New South.

06:15 - 06:16 **Rob Atkinson**  
Wales.

06:17 - 06:20 **Rob Atkinson**  
Anyway, yes, I'll check.

06:21 - 06:31 **Rob Atkinson**  
I'll also be running a workshop with him on some of the 3D geometry issues.

06:33 - 06:37 **Rob Atkinson**  
But yeah, I think it's a good chance they might be able to find something in Sydney.

06:38 - 06:42 **Byron Cochrane**  
Yeah, if he could task you with that since he seemed to have the best connections.

06:43 - 06:43 **Rob Atkinson**  
Yeah.

06:43 - 06:44 **Rob Atkinson**  
Cool.

06:45 - 06:45 **Rob Atkinson**  
Yeah.

06:45 - 06:45 **Byron Cochrane**  
All right.

06:45 - 06:47 **Rob Atkinson**  
So just let me just double check the dates again.

06:47 - 06:49 **Rob Atkinson**  
It was the 19th and 20th, was it?

06:49 - 06:56 **Byron Cochrane**  
Well, the Monday, Tuesday, and maybe a Wednesday, probably Monday and Tuesday will probably be sufficient though.

06:57 - 06:58 **Rob Atkinson**  
Okay.

07:02 - 07:02 **Byron Cochrane**  
Okay.

07:04 - 07:04 **Byron Cochrane**  
Okay.

07:05 - 07:08 **Rob Atkinson**  
I'll send a message now, if you will, Gary.

07:12 - 07:14 **Antje Kügeler (con terra)**  
Oh, thanks.

07:14 - 07:14 **Antje Kügeler (con terra)**  
Hi.

07:15 - 07:18 **Antje Kügeler (con terra)**  
I have two questions about the code sprint.

07:18 - 07:30 **Antje Kügeler (con terra)**  
The first one is, do you think by November we'll have a draft of geodcats to actually implement against, or will this be about writing this draft?

07:33 - 07:35 **Byron Cochrane**  
Yeah, that's kind of an open question.

07:35 - 07:42 **Byron Cochrane**  
We certainly have some GeoDCAD implementations that like the GeoDCAD AP, the latest one we can work.

07:42 - 07:43 **Byron Cochrane**  
With.

07:45 - 07:52 **Byron Cochrane**  
And here has one developed in Australia, quite similar.

07:54 - 08:19 **Byron Cochrane**  
There's another one I heard about from, I can't remember, Organization International Oceans data, I think you know about something, but we have a few that we can work with and also where I think will probably be to a certain extent too is at least enough of the building blocks together that we can figure out or maybe it's pulling the building blocks together to map those to it.

08:20 - 08:27 **Byron Cochrane**  
But yeah, I think that structurally we hope to have enough it together that we can actually start building some records.

08:27 - 08:33 **Byron Cochrane**  
And that's what I see it would be, hopefully around a few use cases as well.

08:35 - 08:40 **Byron Cochrane**  
But that's the agenda, something we'll have to start focusing on a little more concretely.

08:40 - 08:43 **Byron Cochrane**  
But that's essentially the way I see it.

08:43 - 08:47 **Byron Cochrane**  
I don't know if any others have some wish list items they'd like to have on there.

08:49 - 09:07 **Antje Kügeler (con terra)**  
The reason I'm asking is because, well, at Contera, we would like to join the Code Sprint and preferably with some developers, but if it's more like conceptual work, because we are still putting together the specification, that would.

09:07 - 09:08 **Byron Cochrane**  
Be.

09:08 - 09:11 **Antje Kügeler (con terra)**  
Different people, we would, that would probably.

09:11 - 09:11 **Byron Cochrane**  
Be with the.

09:11 - 09:24 **Antje Kügeler (con terra)**  
Uber, for example, and not a developer who would be more comfortable if you give them something and say, please implement, I don't know, a translator or an editor for this.

09:24 - 09:25 **Byron Cochrane**  
Yeah.

09:25 - 09:25 **Antje Kügeler (con terra)**  
Yeah.

09:27 - 09:30 **Byron Cochrane**  
It'll probably still be more towards the conceptual, I.

09:30 - 09:35 **Byron Cochrane**  
Think, but with some sample implementations is what I kind of envision.

09:36 - 09:50 **Rob Atkinson**  
I mean, I think there's a lot of advantage and actually capturing some of the translations we expect to have between different metadata standards.

09:50 - 09:51 **Byron Cochrane**  
If we.

09:51 - 10:04 **Rob Atkinson**  
Can capture and test those, then it's not necessarily so much a code, but I guess the code may be in the form of translations and whether there's various ways of doing that.

10:04 - 10:15 **Rob Atkinson**  
But I think actually capturing and testing Examples of metadata in different domains and how will they translate between different?

10:16 - 10:16 **Rob Atkinson**  
Metadata.

10:16 - 10:21 **Uwe Voges**  
Maybe also schema development Jets schema development for example.

10:21 - 10:22 **Rob Atkinson**  
Yeah, absolutely.

10:23 - 10:24 **Uwe Voges**  
Yeah.

10:28 - 10:29 **Byron Cochrane**  
And.

10:29 - 10:47 **Antje Kügeler (con terra)**  
The second question would be well, we're of course based in Europe and I was talking to who are not really talking, we're just emailing to Christine Henson of the University of Dresden.

10:47 - 10:51 **Antje Kügeler (con terra)**  
They would also be interested in joining a code sprint.

10:51 - 11:09 **Antje Kügeler (con terra)**  
So I was thinking, have you ever done any, let's say, hybrid code sprints in two locations, like one in Europe, for example Berlin or Dresden, and one in Sydney or wherever you are in Australia.

11:10 - 11:15 **Byron Cochrane**  
Yeah, not quite like that, but we did envision it to be a hybrid conference in the.

11:15 - 11:16 **Antje Kügeler (con terra)**  
Sense that.

11:16 - 11:24 **Byron Cochrane**  
People would be able to attend remotely or locally, but the idea of having one group meet in Europe would be really pretty powerful, I think.

11:25 - 11:25 **Byron Cochrane**  
So.

11:25 - 11:26 **Antje Kügeler (con terra)**  
Yeah.

11:26 - 11:34 **Byron Cochrane**  
There's a location I'm not sure which Danny was here to say what his plans would be, but I'm not sure he would be able to make it.

11:35 - 11:49 **Byron Cochrane**  
He's a co-chair of this, so perhaps if he's keen to organize and lead the Europe group, which he might be, because he is in contact with a lot of people there who work on this in Europe.

11:51 - 11:51 **Byron Cochrane**  
Yeah.

11:51 - 11:56 **Antje Kügeler (con terra)**  
I'm not sure how well this would work because of the time difference as well.

11:56 - 12:02 **Antje Kügeler (con terra)**  
Because So yeah, but it might be an idea to keep in mind.

12:03 - 12:13 **Byron Cochrane**  
Yeah, I did participate in the last metadata code sprint of the OGC, which was coming on two years ago, I think in London, and that was a hybrid event.

12:14 - 12:19 **Byron Cochrane**  
Although I think most of the remote people were in Europe, so made.

12:19 - 12:20 **Antje Kügeler (con terra)**  
It.

12:20 - 12:20 **Byron Cochrane**  
Somebody.

12:21 - 12:25 **Byron Cochrane**  
So yeah, being around the world is a little more of a challenge.

12:25 - 12:29 **Byron Cochrane**  
But, yeah, imagine some of these things will kind.

12:29 - 12:41 **Byron Cochrane**  
Of go on and not necessarily be timed to a business hour type clock as happens on these often, so we'll see.

12:44 - 12:45 **Antje Kügeler (con terra)**  
All right, thanks.

12:46 - 12:48 **Byron Cochrane**  
All right, so I guess.

12:48 - 12:51 **Byron Cochrane**  
I'll move to a different screen here anyway.

12:51 - 12:55 **Byron Cochrane**  
I'd like to talk about the CDIF stuff.

12:55 - 12:58 **Byron Cochrane**  
Has anyone here been involved in any of that work?

12:58 - 13:01 **Byron Cochrane**  
I know that Simon \*\*\* has been, his name's all over this stuff.

13:03 - 13:05 **Byron Cochrane**  
But, see if I.

13:05 - 13:05 **Rob Atkinson**  
Can find.

13:05 - 13:06 **Byron Cochrane**  
That.

13:06 - 13:11 **Rob Atkinson**  
I was at the meeting they had at Schloss Dijkstra.

13:14 - 13:17 **Rob Atkinson**  
Last October, so I've got a fair idea of what's going on.

13:17 - 13:19 **Rob Atkinson**  
And there was definitely talk about.

13:24 - 13:31 **Rob Atkinson**  
Implementing implementation standards between C-Diff as a conceptual model theoretically.

13:31 - 13:32 **Rob Atkinson**  
They do have.

13:32 - 13:32 **Byron Cochrane**  
Some.

13:32 - 13:36 **Rob Atkinson**  
Ideas about how they represent observable properties and so forth.

13:36 - 13:42 **Rob Atkinson**  
There's like a three tier of levels of abstraction and so there will be some connections.

13:43 - 13:50 **Rob Atkinson**  
A lot of the drivers for that is the social sciences, of course, and people like UN stats are involved.

13:51 - 14:02 **Rob Atkinson**  
And one of the things which would make sense would be to explore having a C diff profile of Geo DCAT, where we can say, well, this is how the C diff elements are attached to a Geo DCAT.

14:02 - 14:11 **Rob Atkinson**  
And then we can extend that to, this is how it's attached to an OGC API records using some canonical schemas and or stack.

14:11 - 14:16 **Rob Atkinson**  
So I think the process of what we're doing is fairly, It would be fairly straightforward.

14:18 - 14:25 **Rob Atkinson**  
Now, they're interested in using DCAT as a baseline for metadata.

14:26 - 14:34 **Rob Atkinson**  
So working with them to identify geo use cases and geo DCAT requirements would be good.

14:34 - 14:39 **Rob Atkinson**  
And they're also not European centric, so very much global.

14:40 - 14:44 **Rob Atkinson**  
So generic geo DCAT requirements should be something coming out of them.

14:46 - 14:50 **Byron Cochrane**  
Yeah, that was what I got out of it too.

14:50 - 15:08 **Byron Cochrane**  
While it started from European funding and such, it was a little unusual in that it was open to participation from people everywhere around the world, which made it more intriguing.

15:08 - 15:18 **Byron Cochrane**  
And being cross-domain, I'm trying to find presentation that I just opened somewhere here, that I downloaded from that.

15:25 - 15:27 **Byron Cochrane**  
Hold on a second, because it has some good slides.

15:41 - 15:43 **Byron Cochrane**  
Look, I.

15:43 - 15:51 **Rob Atkinson**  
Think maybe we should schedule a quick presentation on the scope.

15:51 - 15:52 **Rob Atkinson**  
Yeah.

15:52 - 15:57 **Byron Cochrane**  
That's got some stuff on it, but I'm trying to find the particular one.

15:57 - 15:58 **Byron Cochrane**  
Maybe it is this one.

15:58 - 16:00 **Byron Cochrane**  
I'll try it.

16:04 - 16:06 **Byron Cochrane**  
At least as an intro.

16:08 - 16:09 **Byron Cochrane**  
That's it.

16:10 - 16:10 **Byron Cochrane**  
Okay.

16:16 - 16:17 **Byron Cochrane**  
So I'll find that in mine.

16:21 - 16:22 **Byron Cochrane**  
Okay, yeah.

16:22 - 16:27 **Byron Cochrane**  
So this is the intro slides that they had about it.

16:27 - 16:32 **Byron Cochrane**  
So it's basically, like Rob was saying, very cross-domain.

16:33 - 16:40 **Byron Cochrane**  
And their idea was to gather metadata requirements from a lot of domains and pull them together.

16:41 - 16:43 **Byron Cochrane**  
It's in an interoperable way.

16:46 - 16:48 **Byron Cochrane**  
And they have this idea.

16:48 - 16:53 **Byron Cochrane**  
This is the one slide I was kind of thinking about that I really liked this idea.

16:53 - 17:06 **Byron Cochrane**  
I'm not sure how possible it really is to do this, but instead of having mappings from one standard to another standard, he's having a map to a central standard now, which I've always thought that DCAT could be that.

17:07 - 17:20 **Byron Cochrane**  
The CDIF is first and foremost schema.org based, but the very close second is DCAT in the way they presented this last week, a week ago.

17:21 - 17:23 **Byron Cochrane**  
And so that's kind of promising.

17:23 - 17:36 **Byron Cochrane**  
They do have pulling in many of the geospatial as well, it looks a little weak on the geospatial from the writing in the document, but quite promising.

17:36 - 17:51 **Byron Cochrane**  
I'll pull up the document too because that was that had it's large, I'll post it on in the repo so that we can share it and you can look it in your leisure.

17:52 - 17:52 **Byron Cochrane**  
I mean.

17:52 - 17:59 **Rob Atkinson**  
I can report on me because I worked with Simon on the geospatial foundations component of.

17:59 - 18:00 **Byron Cochrane**  
It.

18:00 - 18:21 **Rob Atkinson**  
And it's very very trivial which is basically um yeah there was there's concept of uh of time as a universal they call it universals the foundations um and uh the um the main thing was us explaining to them that uh you know spatial is a bit more a bit more complex than WS84 lat-long coordinates.

18:21 - 18:25 **Rob Atkinson**  
That there are other ways of looking at spatial and therefore they need to be a bit more flexible.

18:25 - 18:43 **Rob Atkinson**  
But ultimately, it's at a conceptual level, we've just loosened up their expectations that there may need to be detailed, explicit explanations of spatial, but that effectively that should be delegated to someone like OGC to define what those look like, rather.

18:43 - 18:44 **Byron Cochrane**  
Than just kind.

18:44 - 18:45 **Rob Atkinson**  
Of reinvent the wheel.

18:45 - 18:51 **Rob Atkinson**  
So basically, for us, geodecatch would be the thing we would feed into this.

18:52 - 19:03 **Rob Atkinson**  
So if you want to handle all those things like spatial dimensionality and precision and all those sort of terms, they should be coming from what we do.

19:04 - 19:04 **Rob Atkinson**  
That's it.

19:08 - 19:11 **Rob Atkinson**  
They haven't taken it much further than that.

19:13 - 19:16 **Byron Cochrane**  
Yeah, they do cite a fair amount on DCAT in here.

19:17 - 19:28 **Byron Cochrane**  
Some of the structures that they have come to and, you know, where the good enough to call it.

19:28 - 19:29 **Byron Cochrane**  
Yeah, I guess it's a schema on a lot of it.

19:30 - 19:36 **Byron Cochrane**  
That's quite useful for us to kind of keep in mind if I look at an examples, go down here.

19:36 - 19:42 **Byron Cochrane**  
So it's a little hard to read this.

19:43 - 19:51 **Byron Cochrane**  
You know, JSON-LD, which is there, the encoding, the preferred encoding for this to be most compatible over the web with schema.org and such.

19:54 - 20:01 **Byron Cochrane**  
So yeah, but the property, it's maybe that's not the best way of looking at it.

20:02 - 20:10 **Rob Atkinson**  
Yeah, so go to the Universal Geography, and you should just see the wording in there, which is not just fairly vanilla.

20:12 - 20:13 **Byron Cochrane**  
Yeah, yeah.

20:13 - 20:20 **Byron Cochrane**  
But it's supposed to be, and the idea is that it's not the core metadata.

20:23 - 20:28 **Byron Cochrane**  
It's a version of your metadata and it points to the core metadata.

20:30 - 20:36 **Byron Cochrane**  
Your authoritative metadata, you know, point of truth, maybe in a different standard and they totally support that.

20:36 - 20:41 **Byron Cochrane**  
So, but this is a way of sharing it in a more interoperable fashion.

20:42 - 20:57 **Byron Cochrane**  
So you don't have to capture it in this, but to be able to export this to it and and spit it back out into another profile is what's quite one of the main.

20:57 - 21:03 **Rob Atkinson**  
The other interesting thing is you'll notice that future work they mentioned provenance that was one of the inputs I had into.

21:03 - 21:03 **Byron Cochrane**  
The.

21:03 - 21:05 **Rob Atkinson**  
Was talking about the requirements of that.

21:05 - 21:09 **Rob Atkinson**  
So this issue of developing profiles for describing.

21:11 - 21:25 **Rob Atkinson**  
Provenance and the spatiotemporal aspects of that provenance is something which we need to consider at some stage, I believe, as an extension profile of GeoDKAT.

21:25 - 21:26 **Byron Cochrane**  
Yeah.

21:26 - 21:39 **Byron Cochrane**  
But going through these things, this is basically your schema described in a very verbal way that we can use to check our own work on as we do the Geo DCAT work.

21:39 - 21:47 **Byron Cochrane**  
Do we have these items that we can map to the CDIF would be, I think, a really nice start.

21:47 - 21:51 **Byron Cochrane**  
Yeah, kind of takes away some.

21:51 - 21:52 **Rob Atkinson**  
Of the headaches.

21:52 - 21:54 **Byron Cochrane**  
Having to go through a lot of these things.

21:54 - 21:59 **Rob Atkinson**  
I would suggest we don't need to do that because all this stuff is generic DCAT.

22:00 - 22:00 **Byron Cochrane**  
It's.

22:00 - 22:08 **Rob Atkinson**  
Only really, there's only a very small number of things where it comes to again, issues of how you describe statistical variables.

22:08 - 22:10 **Rob Atkinson**  
There will need to be a model.

22:10 - 22:15 **Rob Atkinson**  
It won't be part of GeoDKAT, it'll be part of some model of variables.

22:15 - 22:22 **Rob Atkinson**  
We'll probably come out of the OMS group, and we would attach it to GeoDKAT if they publish it.

22:23 - 22:34 **Rob Atkinson**  
I don't think there's much in there above and beyond what DCAT already provides, therefore, Geo DCAT probably doesn't need to handle anything specifically.

22:36 - 22:46 **Rob Atkinson**  
I don't think there's any specific requirements from here that'll affect Geo DCAT because it's already covered by the very minimal capabilities of DCAT.

22:48 - 22:58 **Rob Atkinson**  
I don't believe we should be replicating or duplicating that, that we just refer to DCAT and we should only be focused on the delta, the additional things that we have.

22:58 - 22:58 **Byron Cochrane**  
To do.

22:58 - 23:12 **Byron Cochrane**  
Yeah, yeah, that's kind of, I guess at the end of, overall my point is just to make sure we are and that's probably covered in other ways, but I thought this was kind of a nice way to understand it and at least talk about it, so.

23:14 - 23:15 **Byron Cochrane**  
All right.

23:21 - 23:23 **Byron Cochrane**  
Anyone else have any more input on that?

23:31 - 23:31 **[speaker unknown]**  
Okay.

23:36 - 23:50 **Byron Cochrane**  
Perhaps we'll go to you, Javier, And could you describe a bit about what your work with GeoDecat, the purpose and background of it, and what you've got, or where you've gotten on it?

23:52 - 23:52 **Javier Sanchez Gonzalez**  
Yeah, sure.

23:53 - 23:55 **Javier Sanchez Gonzalez**  
So I'm Javier Santeth.

23:56 - 24:01 **Javier Sanchez Gonzalez**  
So I work for TERN, that is the Terrestrial Ecosystem Research Network of Australia.

24:02 - 24:08 **Javier Sanchez Gonzalez**  
So we are an organization ultimately founded by the Australian government.

24:08 - 24:19 **Javier Sanchez Gonzalez**  
So we focus on providing infrastructure for storing and making the ecological data available for everyone.

24:20 - 24:39 **Javier Sanchez Gonzalez**  
So as part of multiple different projects that we have and different also in the organization, we have people like researchers, ecologists, And then like the other half, we are software engineers.

24:39 - 24:49 **Javier Sanchez Gonzalez**  
So we are IT that we work on this providing this infrastructure and managing all the systems and all the data.

24:50 - 24:58 **Javier Sanchez Gonzalez**  
So a couple of the projects that we have been doing like lately, so a couple of years ago, we are starting on the semantic web.

24:58 - 25:09 **Javier Sanchez Gonzalez**  
So we started creating some on top of the data is to describe ecological data in RDF.

25:10 - 25:18 **Javier Sanchez Gonzalez**  
So we started with that and now like this new project that we have been doing a couple of months so far.

25:19 - 25:21 **Javier Sanchez Gonzalez**  
So this is in a very early stage.

25:23 - 25:43 **Javier Sanchez Gonzalez**  
So we also store like, we store multiple data sets, like ecological data set, like we store the data, We also are the owners of some of them, but most of them are usually around Australia.

25:44 - 25:47 **Javier Sanchez Gonzalez**  
So we have a geo network.

25:48 - 25:53 **Javier Sanchez Gonzalez**  
So that's why I met Byron in this geo network meeting a couple of days ago.

25:54 - 26:01 **Javier Sanchez Gonzalez**  
So in this geo network, we have like thousands of data sets.

26:01 - 26:09 **Javier Sanchez Gonzalez**  
So we have like the metadata, we are using ISO 19115-3.

26:10 - 26:18 **Javier Sanchez Gonzalez**  
And over that ISO, we have also some customizations specific for our needs.

26:18 - 26:30 **Javier Sanchez Gonzalez**  
So then like this new project was, the intention was to not migrate because we are gonna still have like the geo network in the ISO.

26:31 - 26:36 **Javier Sanchez Gonzalez**  
But we want to provide like all these catalog in DCAT.

26:37 - 26:45 **Javier Sanchez Gonzalez**  
So the main goal was like, transform all these metadata information into DCAT.

26:46 - 26:47 **Javier Sanchez Gonzalez**  
Well, using DCAT.

26:49 - 26:55 **Javier Sanchez Gonzalez**  
And then like, so we are very new to DCAT.

26:55 - 26:56 **Javier Sanchez Gonzalez**  
That.

26:56 - 27:03 **Javier Sanchez Gonzalez**  
So probably we still have to learn a lot of things and improve a lot of things.

27:05 - 27:22 **Javier Sanchez Gonzalez**  
So our intention was to be able to translate 100% of the ISO information, all the information that we have in the ISO metadata record, or nearly 100% because there are some things that maybe they are useless.

27:23 - 27:32 **Javier Sanchez Gonzalez**  
But everything that is important to us just translated to RDF, mostly using DCAT.

27:33 - 27:37 **Javier Sanchez Gonzalez**  
And then we started learning about that.

27:37 - 27:45 **Javier Sanchez Gonzalez**  
And then we came with a GeoDecat, but especially GeoDecat AP, DCAT AP, GeoDecat AP.

27:46 - 27:55 **Javier Sanchez Gonzalez**  
And like, so we were able to use like to take from that specification like a lot of things.

27:55 - 28:01 **Javier Sanchez Gonzalez**  
So our intention is do this mapping between the ISO and the DCAT.

28:03 - 28:17 **Javier Sanchez Gonzalez**  
So from this, from the specification, we were able to like to reuse like to use, I don't maybe 70% of the information that we have in the ISO.

28:17 - 28:27 **Javier Sanchez Gonzalez**  
That was really good because it is okay, like many people as you, like you already thought all these, you have been working like several years.

28:28 - 28:31 **Javier Sanchez Gonzalez**  
So let's just use what you did.

28:32 - 28:33 **Javier Sanchez Gonzalez**  
So that was really good.

28:34 - 28:44 **Javier Sanchez Gonzalez**  
But then like we also found that some parts of the information that we have in our ISO, XML.

28:45 - 28:58 **Javier Sanchez Gonzalez**  
So you didn't have the mapping yet, because I think you mostly cover the core properties of the ISO 19.1.1.5.

28:59 - 29:07 **Javier Sanchez Gonzalez**  
And we are using some parts of this specification of the ISO that you haven't mapped yet.

29:07 - 29:25 **Javier Sanchez Gonzalez**  
So then, like, our challenge was, like, okay, how do we, how can we map this information that at least nobody, I don't know if nobody, like, but we don't know if someone is using that.

29:25 - 29:32 **Javier Sanchez Gonzalez**  
At least we couldn't find any documentation or any specification on Internet about these, how to map these properties.

29:32 - 29:38 **Javier Sanchez Gonzalez**  
So then like we tried to do it ourselves, like the best that we could.

29:40 - 29:52 **Javier Sanchez Gonzalez**  
So this is like, I would like to show you like what we have done, but as I mentioned to Viron, it is still in a very early stage.

29:53 - 30:08 **Javier Sanchez Gonzalez**  
So it will probably need like easily one month more to like, to have like, to be in a proper space to be so to, to you and the community.

30:09 - 30:17 **Javier Sanchez Gonzalez**  
But yeah, like the idea is, like, we were trying to, to map the this ISO into the cat.

30:18 - 30:41 **Javier Sanchez Gonzalez**  
We were able to map most of the things, but then some things are and also then that probably is a bad practice that we did is like, as I mentioned before, we were, we already had an ontology for describing like this ecological data, but not only ecological data also.

30:41 - 30:46 **Javier Sanchez Gonzalez**  
Like a lot of things related to that data as person organizations.

30:49 - 30:57 **Javier Sanchez Gonzalez**  
So like, for example, like for describing like agents, person organizations.

30:57 - 31:07 **Javier Sanchez Gonzalez**  
So we were already using schema.org for describing a person or organization and the relations, like the roles and everything.

31:08 - 31:13 **Javier Sanchez Gonzalez**  
So then we already have a lot of data using that specification.

31:14 - 31:20 **Javier Sanchez Gonzalez**  
So then we weren't sure, it's like, okay, what should we do?

31:21 - 31:44 **Javier Sanchez Gonzalez**  
Just change what we have for different projects, for describing the same organization, the same person, or just like instead of using like that specific part on the geodesic specification, just use like the persons and organization that we already have.

31:45 - 31:58 **Javier Sanchez Gonzalez**  
So that kind of questions, so nobody like we haven't asked yet to anybody like what should we do or what are the best practice for that?

31:59 - 32:07 **Javier Sanchez Gonzalez**  
Like probably you have like many times have found this kind of problems or decision is okay.

32:08 - 32:19 **Javier Sanchez Gonzalez**  
What should we do is like, we already have these or we should migrate everything that we had into like to fulfill the problem, like the proper standard.

32:20 - 32:24 **Javier Sanchez Gonzalez**  
So more or less, this is like what we are working on.

32:25 - 32:32 **Javier Sanchez Gonzalez**  
So if you have any questions, I'm happy to answer anything.

32:39 - 32:40 **Byron Cochrane**  
Yeah, I have lots of questions.

32:42 - 32:44 **Byron Cochrane**  
But I'd really like to see the work there.

32:45 - 33:01 **Byron Cochrane**  
And some of the, one of the high level questions, I guess, is that you were using the Geo DCAT AP, the recent work on updating that to start your work against as a beginning framework, right?

33:03 - 33:16 **Byron Cochrane**  
So what did you, what were some of the, I'm curious at what some of the areas you found where you said you got about 70% there, what were some of the specific areas where there was more difficulty?

33:18 - 33:24 **Javier Sanchez Gonzalez**  
So for example, we found out like the data quality.

33:27 - 33:40 **Javier Sanchez Gonzalez**  
Is very different what you describe in your data quality to what we have in our data quality in the ISO.

33:40 - 34:01 **Javier Sanchez Gonzalez**  
So for example, we just store like a couple of statements, like it's more or less like our data quality in the ISO is more like the scope of the data quality some outcome and then some links to the actual reports about the data quality.

34:03 - 34:15 **Javier Sanchez Gonzalez**  
So we, for example, in that case, we didn't know like how to model that, like using GeoDiCAD, because it was totally different to your data quality.

34:15 - 34:35 **Javier Sanchez Gonzalez**  
So for us it's okay, we have a couple of statements describing the data quality and then we have a link to an external resource that it may be like a PDF or any other resource where it's all the information about the data quality.

34:37 - 34:40 **Javier Sanchez Gonzalez**  
And similar to that with the lineage.

34:42 - 35:04 **Javier Sanchez Gonzalez**  
We also store like a couple of more things in GeoDecat, like the lineage is just a statement as well in this case in your case is a statement but for us is all is as well like a couple of statements a list of steps and also external resources.

35:06 - 35:29 **Javier Sanchez Gonzalez**  
So these kind of things they are the things that we could then like totally reduce because like either you, like in the case of lineage, you only start like a statement for the lineage or we start many more things or the other way around.

35:31 - 35:47 **Javier Sanchez Gonzalez**  
And another thing that we could then reduce is like most of our, not most, but many of our metadata records, in the ISO, we store the vertical extent.

35:49 - 35:59 **Javier Sanchez Gonzalez**  
Like for example, 100 meters above sea level or, and I feel like you don't cover that yet.

36:01 - 36:01 **Byron Cochrane**  
That.

36:01 - 36:02 **Javier Sanchez Gonzalez**  
Information.

36:02 - 36:09 **Javier Sanchez Gonzalez**  
So you cover temporal extension, extent and geographic extent, but not like the vertical extent.

36:10 - 36:10 **Byron Cochrane**  
Yeah.

36:10 - 36:19 **Javier Sanchez Gonzalez**  
If I'm not wrong, so that is another thing that we had to say, okay, we had to think on how can we model this?

36:20 - 36:30 **Javier Sanchez Gonzalez**  
We tried to find, okay, someone around the world is already modeling this in Decat, or they have an ontology to model the vertical stand or not.

36:31 - 36:44 **Javier Sanchez Gonzalez**  
We couldn't find much information about that, so in that case, we had to create our own classes sometimes, for example, to define the vertical stand.

36:45 - 36:52 **Javier Sanchez Gonzalez**  
So those are the kind of challenge that we found, and that we couldn't match 100%.

36:55 - 36:57 **Byron Cochrane**  
Yeah, I'm curious to see more about what you've done.

37:00 - 37:01 **Byron Cochrane**  
Any other questions for Javier?

37:03 - 37:14 **Rob Atkinson**  
It would be good to drop in examples of things that you would like to test against GeoDKat in terms of being able to support those things into the repositories.

37:14 - 37:19 **Rob Atkinson**  
So there's a GeoDecat project repository.

37:19 - 37:23 **Rob Atkinson**  
We'll send the links around to you.

37:24 - 37:44 **Rob Atkinson**  
But basically, if we can actually start capturing examples, whether that's a copy and paste or a link to somewhere where a stable example lists, one of the things we'll be doing is looking at capturing requirements for GeoDecat by seeing what people have got in their existing metadata schemas.

37:44 - 37:48 **Rob Atkinson**  
And then then demonstrating that we can map those to GeoDecatch.

37:50 - 37:51 **Javier Sanchez Gonzalez**  
Yeah, for sure.

37:52 - 37:55 **Javier Sanchez Gonzalez**  
As I mentioned, we are still in an early stage.

37:55 - 38:04 **Javier Sanchez Gonzalez**  
But very soon, I think, we should be able to actually share what we have done.

38:05 - 38:21 **Javier Sanchez Gonzalez**  
In that case, we are also really happy to share with you because, for example, as you say, maybe we can find some requirements that you may think to include it in the future.

38:22 - 38:22 **Javier Sanchez Gonzalez**  
So.

38:22 - 38:40 **Javier Sanchez Gonzalez**  
Even if we have done it as good as we could, but of course, imagine these vertical extent that you are not covering now, but you decide to cover it in the future.

38:41 - 38:51 **Javier Sanchez Gonzalez**  
So of course, we will be very happy to adopt any updates that you make to the GeoDecat into our world.

38:52 - 38:52 **Rob Atkinson**  
So it.

38:52 - 38:52 **Javier Sanchez Gonzalez**  
Will be really good.

38:53 - 38:56 **Rob Atkinson**  
We're still early days, so there should be no problems including it.

38:56 - 39:14 **Rob Atkinson**  
At the moment, we have the GeoDecat AP, which has a lot of European things, which will go into a separate profile, and a relatively small number things, and it's only really the process of actually testing against a range of metadata realities that we will actually identify.

39:15 - 39:17 **Rob Atkinson**  
So at the moment, we're feeding in.

39:19 - 39:21 **Rob Atkinson**  
The GeoGCAD API.

39:21 - 39:36 **Rob Atkinson**  
We're also feeding in the records and stack standards by mapping those up, and we will be working on ISO, now obviously 19.1.3.9 examples, but the more the merrier.

39:37 - 39:55 **Rob Atkinson**  
If we can demonstrate that we can those mappings, and so the first step is just to get an example in the repository that can be used, and then we'll create a test case for the mapping.

39:56 - 39:57 **Byron Cochrane**  
Yeah.

39:57 - 39:58 **Javier Sanchez Gonzalez**  
That could be awesome.

39:59 - 40:16 **Byron Cochrane**  
One thing I'm really like about your example, too, that's in Europe, they're using just the older standard of 139 and you're using 115-3, which we would like to align to, particularly being in Australia, myself, and New Zealand.

40:17 - 40:32 **Byron Cochrane**  
But that's something that's been a little lacking is that use case where people are in the real world trying to do that mapping in a meaningful way, which includes a few other elements that are also of high demand.

40:35 - 40:39 **Byron Cochrane**  
Like DOIs and such like that for contacts and other things.

40:39 - 40:45 **Byron Cochrane**  
It's much better at a lot more support for some of those linking principles.

40:47 - 40:49 **Byron Cochrane**  
So that really works well in DCAT, of course.

40:52 - 40:52 **Byron Cochrane**  
Okay.

40:53 - 40:58 **Byron Cochrane**  
So we've got 15 more minutes and you were mentioning about records and stacks.

40:59 - 41:07 **Byron Cochrane**  
So yeah, how about a few minutes for Peter to talk about where he sees GODCAT fitting in with the work around that line?

41:07 - 41:10 **Byron Cochrane**  
I assume that's what you were wanting to talk about, am I right?

41:11 - 41:12 **Panagiotis (Peter) A. Vretanos**  
Yeah, more or less.

41:12 - 41:35 **Panagiotis (Peter) A. Vretanos**  
I mean, as I was saying, my attendance today was prompted by Uwe, because he asked me a question, which is the question he asked is, you know, could DO, Geo DCAD be the default record information model for OGC API records?

41:35 - 41:52 **Panagiotis (Peter) A. Vretanos**  
And I was kind of explaining that the approach that we've taken in records is sort of like what we did in CSW, which is we have a very small core of properties and actually if you give me control, I can show.

41:52 - 41:53 **Byron Cochrane**  
This a little.

41:53 - 41:54 **Byron Cochrane**  
Bit.

42:02 - 42:07 **Panagiotis (Peter) A. Vretanos**  
There you go.

42:10 - 42:23 **Panagiotis (Peter) A. Vretanos**  
Share yes okay share screen share window share that one okay you guys can see my screen.

42:23 - 42:24 **Uwe Voges**  
And yet.

42:28 - 42:29 **Byron Cochrane**  
Something's happening?

42:32 - 42:34 **Panagiotis (Peter) A. Vretanos**  
Slowly, quickly.

42:41 - 42:41 **Byron Cochrane**  
Go black.

42:47 - 42:50 **Panagiotis (Peter) A. Vretanos**  
Let me stop and, yeah, I'll.

42:50 - 42:50 **Byron Cochrane**  
Stop.

42:50 - 42:54 **Byron Cochrane**  
It's a reflection of our, you know, the go-to screen.

42:54 - 42:58 **Panagiotis (Peter) A. Vretanos**  
Yeah, yeah, it's, there seems to be a little bit of a delay here.

42:58 - 42:59 **Panagiotis (Peter) A. Vretanos**  
Hold on, let me try one more time.

43:01 - 43:03 **Panagiotis (Peter) A. Vretanos**  
Share my screen.

43:04 - 43:06 **Panagiotis (Peter) A. Vretanos**  
Okay, one more time.

43:08 - 43:08 **Panagiotis (Peter) A. Vretanos**  
Share.

43:12 - 43:15 **Panagiotis (Peter) A. Vretanos**  
Let me know when you can see the OGC API records.

43:20 - 43:21 **Panagiotis (Peter) A. Vretanos**  
I'll make it bigger.

43:24 - 43:25 **Panagiotis (Peter) A. Vretanos**  
Can you guys see that yet?

43:29 - 43:29 **Byron Cochrane**  
No.

43:29 - 43:29 **Byron Cochrane**  
No.

43:29 - 43:30 **Uwe Voges**  
Not yet.

43:31 - 43:34 **Alejandro Villar**  
Just get in the blank screen.

43:39 - 43:40 **Panagiotis (Peter) A. Vretanos**  
It's taking.

43:40 - 43:40 **Byron Cochrane**  
So long.

43:41 - 43:41 **Alejandro Villar**  
Yeah.

43:42 - 43:43 **Panagiotis (Peter) A. Vretanos**  
Okay.

43:44 - 43:45 **Panagiotis (Peter) A. Vretanos**  
Good.

43:45 - 43:49 **Panagiotis (Peter) A. Vretanos**  
All right let me I won't scroll around too much just so we.

43:49 - 43:51 **Panagiotis (Peter) A. Vretanos**  
Don't.

43:53 - 44:01 **Panagiotis (Peter) A. Vretanos**  
We don't okay can you guys see these two tables table seven and eight on the screen there.

44:01 - 44:02 **Rob Atkinson**  
Yeah begin.

44:02 - 44:22 **Panagiotis (Peter) A. Vretanos**  
Now okay so I mean the basic idea with records is that we wanted to we want to define a small core of properties that you can use to describe resources that you want to make discoverable sort of along the same lines as we did with CSW with, you know.

44:22 - 44:31 **Panagiotis (Peter) A. Vretanos**  
We had CSW record and it had a little bit of, you know, a little bit of metadata and then you could extend it as necessary.

44:32 - 44:39 **Panagiotis (Peter) A. Vretanos**  
So as you can see here, I mean, there's sort of the properties are listed in two classes.

44:40 - 44:51 **Panagiotis (Peter) A. Vretanos**  
There's a set of properties that are related to the record itself when it was created, when it was updated, you know, language information, links related to the record, et cetera.

44:51 - 45:07 **Panagiotis (Peter) A. Vretanos**  
And then there's a set of properties related to the resource that you're describing, you know, things like a title of description, spatial temporal properties, keywords, external identifiers, formats, all that kind of thing.

45:08 - 45:11 **Panagiotis (Peter) A. Vretanos**  
So it's not actually quite a very long list.

45:11 - 45:13 **Panagiotis (Peter) A. Vretanos**  
I mean, it basically ends there at rights.

45:14 - 45:18 **Panagiotis (Peter) A. Vretanos**  
And if you could see the only mandatory thing is the identifier.

45:18 - 45:30 **Panagiotis (Peter) A. Vretanos**  
So when you map this to, I'll make this much bigger, to GeoJSON, the record ends up basically looking like this.

45:30 - 45:37 **Panagiotis (Peter) A. Vretanos**  
So you have the ID, some other properties that GeoJSON imposes.

45:37 - 45:46 **Panagiotis (Peter) A. Vretanos**  
And then within the properties are where the bulk of the record properties go, but you could also add in your own properties here.

45:46 - 46:01 **Panagiotis (Peter) A. Vretanos**  
So you can see in this record, which is from a, you know, an RCM image, we've added a bunch of RCM properties to extend the record and GeoDecat can work the exact same way.

46:01 - 46:13 **Panagiotis (Peter) A. Vretanos**  
And what you would do is you would come up with your schema, you would map it into the properties section of this GeoJSON record.

46:15 - 46:27 **Panagiotis (Peter) A. Vretanos**  
And then in the conforms to, hold on, let me just go back here, in the conforms to member, you would indicate that your record has been extended with GeoDKAT properties.

46:28 - 46:40 **Panagiotis (Peter) A. Vretanos**  
And that would, any client that knows what that conformance URI or that set of conformance URIs is about, we'll know which properties to look at, look for.

46:41 - 47:00 **Panagiotis (Peter) A. Vretanos**  
And the idea here is that if you create this geodecat extension, any catalog client will be able to query the catalog, but they would only be able to manipulate the basic properties that are defined in record, but they would still be able to get something.

47:00 - 47:20 **Panagiotis (Peter) A. Vretanos**  
And if you had a client that was smarter and was able to manipulate geodecat information, then it would know, because it would look at the conforms to, it would see that you had the appropriate URI and it would know that there are properties in this record that are related to geodecat and it would know what to do with those.

47:21 - 47:28 **Panagiotis (Peter) A. Vretanos**  
And the other sort of side benefit is that you could also have multiple models living in the record at the same time.

47:28 - 47:36 **Panagiotis (Peter) A. Vretanos**  
So, you know, you could have a GOD-CAT description of the resource, and you could also have an ISO description of the resource.

47:36 - 47:40 **Panagiotis (Peter) A. Vretanos**  
And as long as the properties aren't colliding, they could live within the records.

47:40 - 47:46 **Panagiotis (Peter) A. Vretanos**  
So that was sort of the idea with records.

47:46 - 48:04 **Panagiotis (Peter) A. Vretanos**  
And where we see GOD-CAT is as an extension, so there would be another part in the OGC API records suite, which would say, you know, this is the OGC API records part X geodecat extension.

48:04 - 48:18 **Panagiotis (Peter) A. Vretanos**  
And it would describe the schema of the geodecat record and then map it into this geo JSON structure because we're using features and features uses geo JSON.

48:19 - 48:22 **Panagiotis (Peter) A. Vretanos**  
And that would be the entire extension.

48:22 - 48:23 **Panagiotis (Peter) A. Vretanos**  
It would be very short.

48:23 - 48:46 **Panagiotis (Peter) A. Vretanos**  
It would reference whatever model, whatever documents you guys create for actually defining the Geo DCAT schema and then there would be a small sort of glue part in record saying, you know, this is how you extend the record, this is what the conforms to URI or URI should be and that's it.

48:47 - 48:57 **Panagiotis (Peter) A. Vretanos**  
So that's how we, I kind of envisioned Geo DCAT and other metadata standards kind of mapping into this.

48:59 - 49:00 **Byron Cochrane**  
Can I pause you there?

49:00 - 49:02 **Byron Cochrane**  
Rob wants to say something.

49:02 - 49:03 **Rob Atkinson**  
Yeah.

49:04 - 49:16 **Rob Atkinson**  
Look, I think it's important I kind of also show because one of the things we want to do is to where we have a one-to-one match between records and DCAT, we don't want to add another DCAT record.

49:16 - 49:22 **Rob Atkinson**  
So we need to complete the mappings of records to DCAT that can be done already.

49:22 - 49:23 **Panagiotis (Peter) A. Vretanos**  
Yeah.

49:23 - 49:29 **Rob Atkinson**  
Then okay so um can i share my screen and just quickly show what that looks like and the records ontology.

49:29 - 49:30 **Panagiotis (Peter) A. Vretanos**  
Absolutely.

49:30 - 49:43 **Rob Atkinson**  
And i think it would be really interesting and we can then follow this up as we need to so if i share my screen and i share this one so um so we have a building block hold.

49:43 - 49:46 **Panagiotis (Peter) A. Vretanos**  
On rob we haven't gotten it yet or i haven't.

49:46 - 49:46 **Rob Atkinson**  
Okay.

49:48 - 49:52 **Panagiotis (Peter) A. Vretanos**  
Sharing seems to be very sluggish this morning.

49:52 - 49:54 **Jeff Yutzler**  
Cross.

49:54 - 49:55 **Panagiotis (Peter) A. Vretanos**  
Ocean because.

49:55 - 49:57 **Jeff Yutzler**  
It showed right out of my mind oh.

49:57 - 50:02 **Panagiotis (Peter) A. Vretanos**  
Did it yeah well I mean I'm all the way across the world it's taking a little bit of time.

50:02 - 50:04 **Rob Atkinson**  
It's a long way uphill to Canada.

50:04 - 50:05 **Byron Cochrane**  
Yeah.

50:05 - 50:06 **Panagiotis (Peter) A. Vretanos**  
Exactly.

50:06 - 50:06 **Rob Atkinson**  
Here.

50:06 - 50:08 **Panagiotis (Peter) A. Vretanos**  
We go it's coming now.

50:08 - 50:27 **Rob Atkinson**  
Okay so we have so we have a a building block we have a series of building blocks I'll show you that but if we start here this is where we start off with mapping API records up to DCAT in general, and then what's missing will then potentially goes into another layer, which is the geodecat profile.

50:27 - 50:30 **Rob Atkinson**  
You can see it's got three things it pulls in.

50:30 - 50:40 **Rob Atkinson**  
It basically pulls in the scheme of a record JSON, the records ontology, and DCAT itself, which is we've got a placeholder so we can add it here.

50:41 - 50:48 **Rob Atkinson**  
Then if you look at the full list, it's basically got all the sub-schemas for all the parts of records, okay?

50:48 - 50:51 **Rob Atkinson**  
So, all that stuff is reused and we know what we're reusing.

50:52 - 50:59 **Rob Atkinson**  
And Peter's seen this in what I was doing, connecting, testing how stack and records work together.

50:59 - 51:02 **Rob Atkinson**  
So there's another layer for stack on top of this available.

51:02 - 51:20 **Rob Atkinson**  
But if I just then go to look at the examples, if we have something like records, I'm gonna take an example from link templates, which is something that records has, which is a fairly complicated thing, is no way that's going to map up directly to GeoDecat.

51:21 - 51:26 **Rob Atkinson**  
There's going to be no GeoDecat version of that necessarily, or maybe there is.

51:26 - 51:27 **Rob Atkinson**  
People might decide that.

51:28 - 51:30 **Rob Atkinson**  
That's what the records ontology.

51:30 - 51:35 **Rob Atkinson**  
Records ontology basically gives us a model for all the things in records.

51:35 - 51:47 **Rob Atkinson**  
If we turn this into the RDF turtle, we'll see that the thing gets turned into that conforms to get sent to the DC terms conform to create it, etc.

51:47 - 51:55 **Rob Atkinson**  
So all the mapping to generic DCAT and the use of Dublin Core and things it uses already, it's done.

51:55 - 52:00 **Rob Atkinson**  
And then the additional stuff gets converted to the records ontology.

52:00 - 52:03 **Rob Atkinson**  
So that's the way we're doing it.

52:03 - 52:05 **Rob Atkinson**  
And then there's another layer we can do.

52:05 - 52:12 **Rob Atkinson**  
And I just wanted, which is to do a transform from that to something else.

52:12 - 52:17 **Rob Atkinson**  
If we need to, we can basically take an example and convert it.

52:17 - 52:24 **Rob Atkinson**  
This is an example where geojson geometries are converted up to geosparkle geometries which have a different structure.

52:25 - 52:29 **Rob Atkinson**  
So that's done with additional rules.

52:30 - 52:33 **Rob Atkinson**  
So we can do all this mapping and testing and we can use this to test.

52:33 - 52:52 **Rob Atkinson**  
So that's the methodology I proposed, and it's all ready to go, and I will iteratively work through, but mapping all the components of records and stack, et cetera, up to DECAT, and then potentially up to GeoDECAT, and then potentially up to GeoDECAT profiles.

52:53 - 53:12 **Rob Atkinson**  
So you can potentially have something like the GeoDECAT stack electro-optical extension, which extends the stack collection with the electro-optical extension schema, which sits on top of that, which sits on top of that, which sits on the jerky.

53:12 - 53:13 **Rob Atkinson**  
So you're full of full stuff.

53:14 - 53:16 **Rob Atkinson**  
You can see it's got all those pieces underneath being reused.

53:17 - 53:26 **Rob Atkinson**  
So the idea is we can do the mappings once and then inherit them, and then work on the next piece of mapping for these layered profiles.

53:27 - 53:33 **Rob Atkinson**  
Which brings me to my question for Peter, which is, you mentioned a geodecad extension.

53:34 - 53:36 **Rob Atkinson**  
Stack has defined an extension mechanism.

53:36 - 53:39 **Rob Atkinson**  
There was talk about records defining extension mechanism.

53:39 - 53:43 **Rob Atkinson**  
Has that yet been sort of formalized how you're gonna do the governance of that?

53:45 - 53:48 **Panagiotis (Peter) A. Vretanos**  
No, we have the mechanism.

53:48 - 54:09 **Panagiotis (Peter) A. Vretanos**  
It's essentially you use the conforms to list the conformance URIs the record conforms to and each community will, you know, define their extension, define their URIs and, you know.

54:09 - 54:10 **Panagiotis (Peter) A. Vretanos**  
That goes into the record.

54:10 - 54:13 **Panagiotis (Peter) A. Vretanos**  
But how that's actually managed, I don't know.

54:13 - 54:16 **Panagiotis (Peter) A. Vretanos**  
I mean, I guess that's an OGC thing, right?

54:17 - 54:17 **Rob Atkinson**  
Yeah.

54:17 - 54:22 **Rob Atkinson**  
So for example, in stack, they have a mechanism, which is this stack extensions, which is exactly the same pattern.

54:23 - 54:27 **Rob Atkinson**  
And we can potentially uplift this to DCT conforms to.

54:27 - 54:29 **Rob Atkinson**  
In fact, I'm not sure, maybe I've already done that.

54:31 - 54:32 **Rob Atkinson**  
No, at the moment I haven't.

54:32 - 54:35 **Rob Atkinson**  
But I could uplift that to DC terms conforms to.

54:36 - 54:41 **Rob Atkinson**  
But these are all the questions about how to do this, that I should not be making unilateral decisions.

54:42 - 54:48 **Rob Atkinson**  
So we kind of need other people to start engaging in doing practical work, actually testing some mappings.

54:49 - 54:52 **Rob Atkinson**  
And if you want to to, you know, comment on these things.

54:52 - 54:54 **Rob Atkinson**  
These have been floating around for a while.

54:54 - 54:58 **Rob Atkinson**  
People need to start looking at these mappings and say, hey, does this mapping make sense?

54:58 - 55:00 **Rob Atkinson**  
Or do I have another example I want to test?

55:01 - 55:03 **Rob Atkinson**  
I'm happy to help people with the mechanisms.

55:05 - 55:08 **Rob Atkinson**  
But there's a point at which I need to say, okay, right.

55:09 - 55:13 **Rob Atkinson**  
And I put something in the chat.

55:13 - 55:18 **Rob Atkinson**  
There is a languages in records.

55:19 - 55:22 **Rob Atkinson**  
I'll just go back to this one again.

55:22 - 55:38 **Rob Atkinson**  
In examples, there's a languages field, and a languages field, this relates to the language of the record in the records model.

55:38 - 55:47 **Rob Atkinson**  
But in DCAT, the DC terms language is the language of the record or the textual values of a dataset distribution.

55:48 - 55:49 **Rob Atkinson**  
So it has suddenly different semantics.

55:50 - 55:54 **Rob Atkinson**  
So there's a bunch of work that needs to be done working through these mappings.

55:55 - 56:00 **Rob Atkinson**  
If people have got authoritative mappings, which they want to go to the barricades over, they should provide them.

56:01 - 56:05 **Rob Atkinson**  
I'm more than happy to help with people with the mapping testing process.

56:06 - 56:16 **Rob Atkinson**  
But ultimately, we have to systematically build and test all the mappings, in my opinion, because every single one of them is going to come up with little nuances like that we have to make decisions about.

56:17 - 56:24 **Rob Atkinson**  
And I think we need to, I mean, we can handle the structural mapping part of it.

56:24 - 56:29 **Rob Atkinson**  
That's the bit that Alejandro and I from the OGC team can support with.

56:29 - 56:35 **Rob Atkinson**  
But the decision about the semantic equivalence belongs to the community.

56:40 - 56:47 **Rob Atkinson**  
I think we need to work into a systematic process of actually signing off the semantic mappings, what I've got is just a straw man, my best guess.

56:48 - 56:53 **Rob Atkinson**  
But now I think, you know, it is something we can work through systematically and say, do we like this mapping or not?

56:54 - 57:00 **Rob Atkinson**  
And I'm not, again, I'm not sure how to split this work between records and, and this group.

57:02 - 57:16 **Rob Atkinson**  
But yeah, I mean, I'm open to suggestions and willing to support whatever mechanisms people wish or approach which people wish to take but sooner or later we have to get down to actually defining and testing these mappings at detail.

57:18 - 57:42 **Panagiotis (Peter) A. Vretanos**  
Yeah I mean we've done a lot of work with stack like Mathias and I talk regularly to try to align things so things like the languages things like the licenses you know we've kind of spoken to try to align those as much as possible and that's why I'm here so that we can do the same thing with the Geo DCAT group.

57:43 - 57:44 **Rob Atkinson**  
Yeah, and we can also refactor this.

57:44 - 57:56 **Rob Atkinson**  
So if we look at the semantic uplift, most of the semantic uplift for this is all about the, no, the DCAT, actually the full is basically inheriting the semantic uplift from the features model.

57:57 - 58:06 **Rob Atkinson**  
But this is the bit which is all the basic properties of records up to the various DCAT and Dublin Core.

58:07 - 58:16 **Rob Atkinson**  
And then down the bottom, we started getting these things which I haven't yet completed, which is linking the record specific things up to the record specific ontology.

58:17 - 58:22 **Rob Atkinson**  
Now, we can potentially refactor that, maybe link templates as a separate building block, which we can reuse.

58:22 - 58:24 **Rob Atkinson**  
I don't know whether it's part of common potentially.

58:25 - 58:26 **Panagiotis (Peter) A. Vretanos**  
It is.

58:27 - 58:36 **Panagiotis (Peter) A. Vretanos**  
On link templates, we had a meeting with Gobi and the architecture group, and everyone agreed we're all going to do it the same way.

58:37 - 58:41 **Rob Atkinson**  
Okay, well I'll refactor that into a separate linked templates building block and just inherit it.

58:41 - 58:46 **Rob Atkinson**  
So that's something I can do in a couple of hours just by the time I've tested it.

58:46 - 59:11 **Rob Atkinson**  
So we can refactor it but the point is we have to work out a divide-and-conquer strategy where the experts in the the various rooms working groups are actually owning the mappings because the actual semantics have to be agreed by the experts and tested I'm only providing a framework for capturing the examples and testing it.

59:14 - 59:18 **Rob Atkinson**  
Anyway that's that's what I wanted to get on the table before I got too late.

59:18 - 59:23 **Panagiotis (Peter) A. Vretanos**  
That's nice work Rob it looks good actually yeah.

59:23 - 01:00:04 **Rob Atkinson**  
I think I think once you get going it'll really support the cadence because it allows us to refactor do regression testing really easily and quickly that's all done with github actions all the validation checking and look at the validation to let know it'll we can inherit so you know we've got a bunch of rules on the records ontology now we can inherit rules for each of these components and automatically test them so it means that we can divide and conquer these problems which otherwise might be large particularly when you start profiling these things now what does it look like if we add geodecat terms and then we start bringing in some of the stack extensions you want to use those as well.

01:00:04 - 01:00:09 **Rob Atkinson**  
I mean, if you try to reinvent the wheel every time, in terms of validation, it'll be a nightmare.

01:00:10 - 01:00:14 **Rob Atkinson**  
But if we inherit it from smaller building blocks, I think it'll be fairly quick.

01:00:15 - 01:00:31 **Rob Atkinson**  
And I can say having done this with a very large schema that uses provenance and observations and features and topology, a whole bunch of different complex subschemas, there's no way you could do this manually without dividing and conquering the problem.

01:00:35 - 01:00:38 **Rob Atkinson**  
Now I'm saying everything is a nail, But seriously, this is worth hitting with a hammer.

01:00:41 - 01:00:43 **Byron Cochrane**  
Yeah, you raise a good point there on the governance.

01:00:44 - 01:00:50 **Byron Cochrane**  
I mean, to make this work persist, it's largely about mappings.

01:00:52 - 01:01:04 **Byron Cochrane**  
Method of kind of being the canonical mapping holder of the canonical mappings with mechanisms to update them as needed and improve them is a pretty core issue.

01:01:04 - 01:01:14 **Byron Cochrane**  
I'm not quite sure when in the process We really need to address it seriously, but I put it, just raised the issue in the issue tracker.

01:01:14 - 01:01:17 **Byron Cochrane**  
So at least we've got a placeholder for it.

01:01:17 - 01:01:20 **Byron Cochrane**  
Perhaps next time we could discuss it a little more.

01:01:23 - 01:01:26 **Byron Cochrane**  
So yeah, we're over by about five minutes.

01:01:26 - 01:01:27 **Byron Cochrane**  
I guess we started out five minutes late.

01:01:27 - 01:01:29 **Byron Cochrane**  
So that's a long time almost.

01:01:30 - 01:01:34 **Byron Cochrane**  
So anyone have anything else before we close up?

01:01:41 - 01:01:43 **Byron Cochrane**  
All right, well, thank you all for coming.

01:01:43 - 01:01:45 **Byron Cochrane**  
And that was a good discussion.

01:01:45 - 01:01:49 **Byron Cochrane**  
Got some really good material out of that, so pull it all together.

01:01:50 - 01:01:51 **Panagiotis (Peter) A. Vretanos**  
Okay.

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

01:01:51 - 01:01:52 **Panagiotis (Peter) A. Vretanos**  
Everyone.

01:01:53 - 01:01:54 **Javier Sanchez Gonzalez**  
Discussions going on.

01:01:54 - 01:01:55 **Uwe Voges**  
In the chat.

01:01:55 - 01:02:06 **Byron Cochrane**  
There from Peter, so those will be captured in the notes and I'm working hard to get those all cleaned up now on my local repository and I'll start pushing those changes up soon.

01:02:07 - 01:02:08 **Byron Cochrane**  
Thank you.

01:02:10 - 01:02:10 **Alejandro Villar**  
So just.

01:02:10 - 01:02:15 **Rob Atkinson**  
Before we go, Peter put a in the chat, we don't have time, but basically drop an issue in that repository.

01:02:16 - 01:02:19 **Rob Atkinson**  
That's the way to deal with these things, and then we can start working through the issues.

01:02:21 - 01:02:24 **Panagiotis (Peter) A. Vretanos**  
The catalog should also be used for DCAT catalog, in which case it would.

01:02:24 - 01:02:24 **Panagiotis (Peter) A. Vretanos**  
Matter.

01:02:27 - 01:02:32 **Panagiotis (Peter) A. Vretanos**  
Yeah, I'll take a look at that, Pete, if you put an issue in records, I.

01:02:32 - 01:02:35 **Rob Atkinson**  
Can...

01:02:35 - 01:02:39 **Rob Atkinson**  
An issue in GeoDKAT, and we'll actually, as well, we can cross-reference them.

01:02:39 - 01:02:44 **Panagiotis (Peter) A. Vretanos**  
Yeah, or GeoDKAT and cross-reference to records, and I'll chime in.

01:02:44 - 01:02:46 **Panagiotis (Peter) A. Vretanos**  
And anyway, all right, everyone, thank you very much.

01:02:46 - 01:02:47 **Panagiotis (Peter) A. Vretanos**  
It was a great meeting.

01:02:47 - 01:02:52 **Panagiotis (Peter) A. Vretanos**  
I got to scoot and get ready for my next one, which is coming up in about 30 minutes.

01:02:53 - 01:02:53 **Byron Cochrane**  
All right.

01:02:53 - 01:02:54 **Rob Atkinson**  
Get some breakfast.

01:02:55 - 01:02:55 **Rob Atkinson**  
Thank.

01:02:55 - 01:02:55 **Rob Atkinson**  
You.

01:02:55 - 01:02:55 **Rob Atkinson**  
Thanks for.

01:02:55 - 01:02:55 **Panagiotis (Peter) A. Vretanos**  
Coming.

01:02:56 - 01:02:57 **Panagiotis (Peter) A. Vretanos**  
I'll try somewhere in there anyway.

01:02:57 - 01:02:58 **Panagiotis (Peter) A. Vretanos**  
Okay, bye-bye.

01:02:59 - 01:02:59 **Byron Cochrane**  
Bye.

01:03:00 - 01:03:00 **Alejandro Villar**  
Bye-bye.

01:03:00 - 01:03:00 **Alejandro Villar**  
All right.

01:03:01 - 01:03:01 **Rob Atkinson**  
Thank you.

01:03:03 - 01:03:05 **Rob Atkinson**  
Yeah, and Javier, if you wanted to have a...

01:03:05 - 01:03:06 **Rob Atkinson**  
Oh, he's gone.

01:03:06 - 01:03:06 **Rob Atkinson**  
Yeah.

01:03:07 - 01:03:08 **Rob Atkinson**  
You wanna have a chat sometime, that's fine.

01:03:08 - 01:03:08 **Rob Atkinson**  
Yeah.