**OGC GeoDCAT SWG**  
  
November 18, 2024 . 12:48 PM . ID: 791037533 **Transcript**

00:01 - 00:04 **Byron Cochrane**  
This conference will now be recorded.

00:36 - 00:37 **[speaker unknown]**  
Okay, Peter.

00:48 - 00:52 **Byron Cochrane**  
This is mainly for you, so I'll just dive straight into it.

00:52 - 00:58 **Byron Cochrane**  
But if you can speak so we can make sure you can interrupt me and ask questions.

00:59 - 01:00 **Panagiotis (Peter) A. Vretanos**  
Yeah, I can hear.

01:00 - 01:00 **Byron Cochrane**  
You.

01:01 - 01:01 **Byron Cochrane**  
Perfect.

01:02 - 01:02 **Byron Cochrane**  
Okay.

01:03 - 01:04 **Byron Cochrane**  
So I'm sharing my screen.

01:04 - 01:29 **Byron Cochrane**  
So, what we have as a concept, and I've created a couple of stubs already, is we have a couple of examples where we have a provenance chain schema with a mapping to W3C-PROV, and then an example of profiling stack with that.

01:29 - 01:35 **Byron Cochrane**  
At the moment, stack's a little bit complicated trying to work out exactly what you profile, and they have different versions of it.

01:35 - 01:40 **Byron Cochrane**  
And so I've actually made it a bit version independent by saying it's one of either that one or that one.

01:40 - 01:44 **Byron Cochrane**  
So stack item, the head of the repository is version 1.1.

01:46 - 01:50 **Byron Cochrane**  
So there's a, and I've said they're both dependent, they're both testing.

01:51 - 01:58 **Byron Cochrane**  
I've declared them both to be all of record GeoJSON to test that.

01:59 - 02:01 **Byron Cochrane**  
And if that turns out not to be correct, we can refactor.

02:01 - 02:10 **Byron Cochrane**  
And I'll also check to make sure they support features schema.

02:11 - 02:12 **Byron Cochrane**  
So that's sort of the schema level.

02:12 - 02:30 **Byron Cochrane**  
If I look at the examples, so building blocks is a annotation layer and you can sort of, it links to these the various other building blocks and at some point each of these link back to the versions of these things.

02:31 - 02:36 **Byron Cochrane**  
So the billing box is a dependency management on top of the underlying schemas and so forth.

02:38 - 02:48 **Byron Cochrane**  
So if you look at the examples, a very trivial one here for provenance is we have an entity which is a feature which is an entity which was generated by.

02:48 - 03:01 **Byron Cochrane**  
So the provenance schema supports that pattern and that was generated by either one or an array of objects that are URI links or objects.

03:01 - 03:04 **Byron Cochrane**  
So here's the first example is trivial but just the URI link.

03:05 - 03:12 **Byron Cochrane**  
If I go to the next example in here we see it's a embedded object which is an activity.

03:12 - 03:19 **Byron Cochrane**  
If I go down to the third level which is a bit more complicated it's actually using has-provenance.

03:19 - 03:27 **Byron Cochrane**  
We've actually got a provenance chain, which is a series of objects with identities that can be pulled together into a directed acyclic graph.

03:28 - 03:33 **Byron Cochrane**  
The provenance chain is a directed acyclic graph of arbitrary complexity.

03:34 - 03:36 **Byron Cochrane**  
So how do you do that in schemas?

03:36 - 03:39 **Byron Cochrane**  
Well, the answer is you basically create a bunch of objects that are linked together by IDs.

03:40 - 03:42 **Byron Cochrane**  
So that's the implementation pattern.

03:42 - 03:49 **Byron Cochrane**  
So we can have entities, activities, and agents, which are the things in this particular case.

03:50 - 03:51 **Byron Cochrane**  
No, it's a very trivial one.

03:52 - 03:53 **Byron Cochrane**  
I've just got entity and activity.

03:53 - 03:55 **Byron Cochrane**  
I haven't specified.

03:55 - 03:56 **Byron Cochrane**  
Oh, sorry, no, I do have an agent.

03:56 - 04:02 **Byron Cochrane**  
I do have an agent, but it's not populated at this stage.

04:04 - 04:07 **Byron Cochrane**  
And so that's the schema.

04:08 - 04:09 **Byron Cochrane**  
Just go back to the schema here.

04:10 - 04:13 **Byron Cochrane**  
So the schema simply says that effectively.

04:17 - 04:42 **Byron Cochrane**  
We've got it's a it must follow the problem schema and it's either these one of these two versions of stack so forget about the versioning which is another challenge we should think we could think about that's really always doing just binding those two schemas together and then the fun stuff just to go back is that when we do this.

04:43 - 04:54 **Byron Cochrane**  
We can inherit the JSON-LD for the records, the features, stack and provenance.

04:54 - 04:57 **Byron Cochrane**  
And it'll actually turn that into a graph.

04:57 - 05:18 **Byron Cochrane**  
So you now basically see that we've got a bunch of things and now this provenance is turned into a DC terms provenance, which has two objects that relate to the provenance and, you know, an entity which is generated by another thing and this is activity and it.

05:18 - 05:25 **Byron Cochrane**  
You know, it used something else which is described over here, it's another entity.

05:25 - 05:43 **Byron Cochrane**  
So the provenance schema, so I can ask, is encapsulated separately and if I go to the provenance schema and this is what I mean by the dependency and having navigability, you can easily find where pieces are.

05:44 - 05:50 **Byron Cochrane**  
So the provenance schema is itself, let's go to the source.

05:52 - 06:36 **Byron Cochrane**  
So this is basically is just a series of definitions for all the objects in the provenance ontology, but as you can see it's fairly, there's a lot of things in there, there's qualified associations and usages and generation and a few different types of activities that are supported and you don't want everybody having to reinvent that wheel and likewise you look at the semantic uplift the JSON-LD context we have a JSON-LD context for each of these things which basically tells you whether it's you know an ID turns into URI where there's a string value.

06:37 - 06:39 **Byron Cochrane**  
So these things are all object values.

06:43 - 06:47 **Byron Cochrane**  
So the links itself, so this is currently.

06:53 - 06:58 **Byron Cochrane**  
It's interesting, that's pulling in the links model at this stage.

07:00 - 07:03 **Byron Cochrane**  
So I could actually refactor that schema out and reference the links.

07:03 - 07:04 **Byron Cochrane**  
I should do that.

07:07 - 07:10 **Byron Cochrane**  
But at the time, I didn't have a links module available.

07:11 - 07:13 **Byron Cochrane**  
I think Alejandro refactored that out into the building blocks.

07:15 - 07:22 **Byron Cochrane**  
But you can start to see this is a little bit complicated and the process of doing JSON-LD mapping is not for the faint-hearted.

07:24 - 07:30 **Byron Cochrane**  
So the key issue here is that we can inherit them by these high-level profiling and glue them together.

07:30 - 07:46 **Byron Cochrane**  
So we have a straw man providence chain that we can test further and get right, that supports either object referencing, nesting, or an array that could be composed into a graph.

07:47 - 07:53 **Byron Cochrane**  
That's the challenge with provenance, is handling the simple case and the complex case, and it could hear away.

07:56 - 08:07 **Byron Cochrane**  
So, that's where we're starting from, testing this further, coming up with more examples, dropping the examples into a building block and testing them is as simple as cloning this.

08:07 - 08:09 **Byron Cochrane**  
Again, we could do it with stack.

08:09 - 08:13 **Byron Cochrane**  
For geodecat, we've got the same thing.

08:13 - 08:51 **Byron Cochrane**  
We've got a geodecat profile which, again, just maps this to provenance and so this is specifically a geodecap for AGC API records this is inheriting from the records building block and the provenance one so this is attaching it to records so the name is probably not great maybe I'll fix that.

08:55 - 09:08 **Byron Cochrane**  
So the semantic uplift for this is, I think I need to rebuild this so it shows the source.

09:11 - 09:15 **Byron Cochrane**  
Which does a slight update to the UI that I'm still using.

09:15 - 09:16 **Byron Cochrane**  
Users.

09:19 - 09:30 **Byron Cochrane**  
The other thing here is that we basically can import rules from, in this case the records, so we can push some logical rules there.

09:31 - 09:36 **Byron Cochrane**  
Which is more, when you look at DCAT profiles, often they're described with Shackle rules.

09:37 - 09:46 **Byron Cochrane**  
So if I look at the European Union DCAT profile, it will actually publish the Shackle rules and say, here's a validation for dcatch for this profile.

09:46 - 09:48 **Byron Cochrane**  
Does it have all the elements this profile requires?

09:49 - 09:51 **Byron Cochrane**  
So the building blocks can link those in.

09:51 - 09:53 **Byron Cochrane**  
So it links the various things together.

09:53 - 10:01 **Byron Cochrane**  
So we've got the schemas, the binding to the ontology, the ontologies and these profiling rules can all be glued together.

10:03 - 10:14 **Byron Cochrane**  
So when you think about the building blocks, it's not about reinventing the wheel, it's actually about describing the wheels in there how they're supposed to fit together and and doing some sort of basic testing.

10:16 - 10:24 **Byron Cochrane**  
So if I was to go to records which is another I've got some building blocks for records here.

10:26 - 10:40 **Byron Cochrane**  
I go to I go to stack here and I go to records yeah I'll go the process of exactly how we would do this.

10:40 - 10:59 **Byron Cochrane**  
So at the moment we've got basic building blocks of the various different sub-schemas of records that haven't been reused but there's nothing in there for problems so we probably don't want to put it there directly.

11:00 - 11:09 **Byron Cochrane**  
If we go to about this record we can go to the github repository and in here we've got the sources for each of these things.

11:10 - 11:19 **Byron Cochrane**  
What I'm going to do is I'm just going to quickly build a records provenance profile which we can then refactor just to show you the process.

11:19 - 11:25 **Byron Cochrane**  
So I'm just going to go to the incubator and create a new repository.

11:39 - 11:44 **Byron Cochrane**  
I'm going to call it p-blocks just because that's the flavor of it.

11:45 - 11:56 **Byron Cochrane**  
Okay, if I create a new one of these, I can use the building blocks template which is there and I'll make sure it's an OC incubator.

12:11 - 12:12 **Byron Cochrane**  
I'm going to make it.

12:16 - 12:19 **Byron Cochrane**  
I'm going to say we're going to assume data quality we might work in same place.

12:20 - 12:21 **Byron Cochrane**  
So I'm going to create a new repository.

12:22 - 12:22 **Byron Cochrane**  
Oops.

12:24 - 12:25 **Byron Cochrane**  
It's.

12:27 - 12:33 **Byron Cochrane**  
The blocks, scrolls, records.

12:38 - 12:38 **Byron Cochrane**  
All of that.

12:47 - 12:53 **Byron Cochrane**  
Okay and now I'm just going to download this and.

12:56 - 12:59 **Byron Cochrane**  
Do a git clone.

13:15 - 13:38 **Byron Cochrane**  
Okay and I'm now going to go I'm just going to open that up in PyCharm, which is my preferred repository, beatbox, record.dq, open project.

13:48 - 13:56 **Byron Cochrane**  
And I'm going to go through the process of building a new building block which joins the provenance to the records schema.

14:12 - 14:19 **Byron Cochrane**  
Okay, so one of the first things I'm going to do is I'm going to specify the building blocks on here.

14:19 - 14:23 **Byron Cochrane**  
I'm going to say that it imports.

14:28 - 14:33 **[speaker unknown]**  
The.

14:37 - 14:58 **Byron Cochrane**  
Root for this and so I want to pull in reports.

15:03 - 15:09 **[speaker unknown]**  
And.

15:12 - 15:18 **Byron Cochrane**  
I'm going to pull in the B block from.

15:20 - 15:27 **Byron Cochrane**  
The schema, and then in the sources in.

15:29 - 15:30 **Byron Cochrane**  
I'll just.

15:36 - 15:44 **Byron Cochrane**  
In the interest of time, I'm just going to pull in one of the example profiles and just hack it.

15:44 - 15:47 **Byron Cochrane**  
So if I'm just going to rig those.

15:51 - 15:56 **Byron Cochrane**  
You see there's going to be a block stack here.

15:58 - 15:59 **Byron Cochrane**  
Open that one.

16:10 - 16:19 **Byron Cochrane**  
So I'm going to take this item provenance building block, clone it into here.

16:22 - 16:28 **Byron Cochrane**  
And all the records of.

16:31 - 16:35 **Byron Cochrane**  
These two just get out of the way.

16:37 - 17:00 **Byron Cochrane**  
And in the schema here I'm going to say that what we're going to do is we're going to reference the building blocks which is so the two building blocks I want to do um pull in our provenance and stack so look for records so if i just go to records.

17:04 - 17:14 **Byron Cochrane**  
And you've got the records jason where are the this is i'm seeing the records um here it is.

17:16 - 17:17 **Byron Cochrane**  
Look at that.

17:20 - 17:51 **Byron Cochrane**  
So it's going to be all so it's going to be all of provenance which is and I'd get any of absolutely one in there that's fine and we're not going to worry about that stack so that's all we have to do to say it's going to be both those two the examples we've got a couple of examples of stack items which will just leave as examples for now so these so we're just gonna we'll just run with those examples.

17:56 - 17:58 **[speaker unknown]**  
I call provenance.

18:08 - 18:30 **Byron Cochrane**  
And put the documentation links in wherever that so that's I think now a building block configured to reference those two things and we'll run a couple of those stack examples through and see see what happens for now so the next step is to do a build.

18:32 - 18:41 **Byron Cochrane**  
And at the docker command and Docker is running which yep it's running.

18:45 - 18:50 **Byron Cochrane**  
It's telling me Alejandro has done some changes since I last ran this on Friday.

18:53 - 19:15 **Byron Cochrane**  
So the Docker command automatically pulls down the latest version of the building blocks build code which is now we're adding support for transforms and things all the time so it's just bear with me one second I should I didn't expect this to seem to have changed over the weekend.

19:18 - 19:22 **Byron Cochrane**  
But I should have double-checked that in advance.

19:38 - 19:38 **[speaker unknown]**  
Okay.

19:45 - 19:46 **Byron Cochrane**  
So any questions so far Peter?

19:49 - 19:51 **Byron Cochrane**  
Have you lost the will to live?

19:52 - 19:54 **Byron Cochrane**  
We're just not talking to you anymore.

20:00 - 20:03 **Byron Cochrane**  
All of the above.

20:11 - 20:11 **Byron Cochrane**  
So.

20:11 - 20:23 **Matthew Purss (Pangaea Innovations Pty Ltd)**  
One little question I've got, having gone through the process slightly I think before some of the incubator stuff's been advanced.

20:23 - 20:24 **Matthew Purss (Pangaea Innovations Pty Ltd)**  
So.

20:27 - 20:43 **Matthew Purss (Pangaea Innovations Pty Ltd)**  
Did I see correctly the process for creating a new building block repo is to go through the innovator page and to register.

20:43 - 20:45 **Byron Cochrane**  
That there?

20:46 - 20:47 **Byron Cochrane**  
No, there's no requirement.

20:47 - 20:48 **Byron Cochrane**  
The Git can be anywhere.

20:49 - 20:49 **Matthew Purss (Pangaea Innovations Pty Ltd)**  
Anywhere.

20:49 - 20:50 **Byron Cochrane**  
You like.

20:51 - 20:51 **Byron Cochrane**  
All right.

20:51 - 20:53 **Byron Cochrane**  
Github can be anywhere you like.

20:56 - 20:56 **Matthew Purss (Pangaea Innovations Pty Ltd)**  
All right.

20:56 - 21:12 **Matthew Purss (Pangaea Innovations Pty Ltd)**  
I mean that certainly seems like a lot like a good process to follow anyway as a best practice but I just noted that yeah when we set up the DGGS ones we kind of went a little differently but yeah because I wasn't aware of.

21:12 - 21:14 **Byron Cochrane**  
That.

21:14 - 21:14 **Byron Cochrane**  
So.

21:14 - 21:15 **Matthew Purss (Pangaea Innovations Pty Ltd)**  
I've.

21:15 - 21:15 **Byron Cochrane**  
Made it.

21:15 - 21:16 **Matthew Purss (Pangaea Innovations Pty Ltd)**  
As easy to.

21:16 - 21:16 **Byron Cochrane**  
Use.

21:16 - 21:24 **Byron Cochrane**  
I've made a bit of a silly error there so it hadn't it hadn't actually got the link.

21:24 - 21:28 **Byron Cochrane**  
So assume the link was a relative one, not an absolute one.

21:30 - 21:37 **Byron Cochrane**  
So yeah, so you can fork one of the existing repositories into your own space and then create pull requests.

21:38 - 21:48 **Byron Cochrane**  
Generally speaking, if things are potential candidates for reuse in the OGC space, feel free to contact me and I can create things in OGC incubator as a place to share them.

21:48 - 21:48 **Matthew Purss (Pangaea Innovations Pty Ltd)**  
But.

21:48 - 21:56 **Byron Cochrane**  
You can do your own work just by creating forks in your own space or building new repositories as templates.

21:57 - 22:01 **Byron Cochrane**  
If you want to start from scratch, we can always go the other way.

22:01 - 22:05 **Byron Cochrane**  
I can always fork it into the OGC space once you've got a straw man working.

22:07 - 22:15 **Byron Cochrane**  
But the idea is that the OGC incubator would create a register of building blocks in the incubator, which are things which are still works in progress.

22:15 - 22:15 **Matthew Purss (Pangaea Innovations Pty Ltd)**  
They.

22:15 - 22:18 **Byron Cochrane**  
Don't get owned or tested or released as any standards.

22:19 - 22:24 **Byron Cochrane**  
I mean, that way we keep them clear from the other building blocks, which are really just documentation of existing OGC standards.

22:25 - 22:26 **Byron Cochrane**  
So we just try to.

22:26 - 22:26 **Matthew Purss (Pangaea Innovations Pty Ltd)**  
Keep those.

22:26 - 22:27 **Byron Cochrane**  
Two governance domains clear.

22:28 - 22:31 **Byron Cochrane**  
And this is something which is very poorly understood in the OGC API space.

22:32 - 22:34 **Byron Cochrane**  
What's the relationship between building blocks and standards?

22:35 - 22:47 **Byron Cochrane**  
Well, building blocks is a methodology that can be applied for the standards elements, but can also be applied for profiling them and using them or developing them.

22:49 - 22:54 **Byron Cochrane**  
Yeah, so it's very much trying to take on board those sort of downstream use cases.

22:59 - 23:01 **Byron Cochrane**  
So it's finished doing that.

23:01 - 23:08 **Byron Cochrane**  
I'm now going to run the local version of the viewer, which is what you would see if it was running online.

23:11 - 23:13 **Byron Cochrane**  
So this is now a repository which we can play with and for.

23:13 - 23:20 **Byron Cochrane**  
And so we see where there's one highlighted building block, records of provenance.

23:20 - 23:23 **Byron Cochrane**  
It has some examples, which are based on stack.

23:24 - 23:30 **Byron Cochrane**  
And you may not know anything about this, which is stack-related, but it still validates against the schemas.

23:31 - 23:34 **Byron Cochrane**  
So we have a mismatch, as someone was mentioning before.

23:34 - 23:38 **Byron Cochrane**  
We have a lot more elements in the record example.

23:38 - 23:46 **Byron Cochrane**  
But these examples are the ones coming from the stack specification itself, it's like tweaking.

23:47 - 23:53 **Byron Cochrane**  
So there's not much stack in here because it's a records building block, but all records related stuff.

23:53 - 24:02 **Byron Cochrane**  
And there's not much record related stuff in there either, because that records to decap is a work in progress that I was hoping people would be looking at.

24:02 - 24:13 **Byron Cochrane**  
So, we've inherited the semantic uplift from the records building block, but the records building block itself.

24:16 - 24:20 **Byron Cochrane**  
Well actually this one's fairly, I.

24:22 - 24:29 **Byron Cochrane**  
Actually need to import the decap records building block to pick up the records mapping.

24:30 - 24:39 **Byron Cochrane**  
So at the moment it's sort of vanilla, it's not even picking up the record mapping the decap it as a separate building block, but I could put a dependency in there that will pull those up.

24:39 - 24:45 **Byron Cochrane**  
But nevertheless, it allows us to at least check that the provenance schema that you're using.

24:48 - 24:53 **Byron Cochrane**  
Inside your record, it validates against the provenance schema of the building block.

24:55 - 24:59 **Byron Cochrane**  
So, like I said, we have a straw man provenance schema, which could be played with.

25:02 - 25:19 **Byron Cochrane**  
And that's probably the place where we can start and then the team here will start trying to describe their own activities and so forth using the provenance model in the provenance schema.

25:19 - 25:23 **Byron Cochrane**  
And then we have something that we now have a draft building block records profile ready to go.

25:24 - 25:34 **Byron Cochrane**  
So the final thing just to do on this, yeah, I'll just do a git add.

25:38 - 25:39 **Byron Cochrane**  
Git add done.

25:43 - 25:43 **[speaker unknown]**  
Git.

25:46 - 25:48 **Byron Cochrane**  
Permit minus m.

25:50 - 25:51 **Byron Cochrane**  
Will stub.

25:57 - 26:04 **Byron Cochrane**  
Okay, so that'll push it up to the new profile we've got, hopefully.

26:08 - 26:08 **[speaker unknown]**  
It.

26:13 - 26:17 **Byron Cochrane**  
Has a workflow automation which means it's it's created a build.

26:21 - 26:21 **[speaker unknown]**  
Automatically.

26:24 - 27:16 **Byron Cochrane**  
Yeah so if I just do an Alice in here you'll see it it has a build and a build local build local is the version I run locally and build is the one that was built online automatically we just like my doctor command just keeps things in build local which gets git ignored just so I don't clash with the online version but if I just now go to the online version for the last piece of this puzzle where are we we've got prov okay so in here I just need to hit the settings and say that the pages is being built by a github action the readme documentation specifies this and then the other thing need to do here is I can say that that means that it'll now appear as a link there.

27:16 - 27:23 **Byron Cochrane**  
It won't exist until I just run the actions again.

27:25 - 27:28 **Byron Cochrane**  
And I rerun that.

27:29 - 27:34 **Byron Cochrane**  
It will do what it is locally and push it to the GitHub site.

27:37 - 27:43 **Byron Cochrane**  
So the here is it's a little bit scary because a few moving parts, but that's one of the reasons why I'm here.

27:43 - 27:55 **Byron Cochrane**  
I can help people with the logistics, but now you can drop in, finish it, it's still running, but now you can basically drop in examples.

27:57 - 28:00 **Byron Cochrane**  
And reference them in here with any documentation you want to put around them.

28:03 - 28:14 **Byron Cochrane**  
You can put them anywhere you can reference with them and this could be an online URI if you have file you want to reference, so don't create copies of things you don't need to.

28:16 - 28:19 **Byron Cochrane**  
But because these are hacked versions of that I've got a local copy.

28:21 - 28:27 **Byron Cochrane**  
So that's really what I have to do is you have to just you can just drop in examples and run this or just check them into the github and they'll get that added automatically.

28:29 - 28:33 **Byron Cochrane**  
So if I just go over here now it's probably finished by now.

28:33 - 28:34 **Byron Cochrane**  
There it is.

28:37 - 28:53 **Byron Cochrane**  
So what I would do next would be I would refactor, and I won't do this now, but I'm happy to do it online.

28:54 - 29:00 **Byron Cochrane**  
What I'll do is I'll refactor the stack provenance to reuse the record provenance rather than redefine it.

29:00 - 29:10 **Byron Cochrane**  
So instead of in the stack provenance one saying that I'm going to bind to the provenance directly, I'll instead say I'm going to bind to the records provenance profile.

29:11 - 29:13 **Byron Cochrane**  
And that way I'll then inherit it from there.

29:13 - 29:15 **Byron Cochrane**  
We won't duplicate it.

29:15 - 29:16 **Byron Cochrane**  
Does that make sense?

29:19 - 29:19 **Panagiotis (Peter) A. Vretanos**  
It does.

29:23 - 29:34 **Byron Cochrane**  
So that repository, I'll just drop the line, is now live and we can start hacking, working on that If you want to work on just records and provenance, that's the place we can start doing it.

29:34 - 29:39 **Byron Cochrane**  
So we can just start dropping examples in, you can start dropping issues into that if you wish.

29:42 - 29:48 **Byron Cochrane**  
Maybe link them back to the master, the master issue, which I did create a master issue in here.

29:51 - 29:52 **Byron Cochrane**  
Yep, sorry, I created a master.

29:53 - 29:57 **Byron Cochrane**  
So I'll just put a link to that repository here.

29:57 - 30:14 **Byron Cochrane**  
Um now in the issue so this is also just an exercise in in housekeeping um what we should be what we should be doing to hand things over um where was it yeah so.

30:20 - 30:39 **Byron Cochrane**  
Okay so there's the there's the working repository or the link to the um to the built version if i go to If I just go back to the about, you can get to the Git repository directly.

31:03 - 31:03 **[speaker unknown]**  
Okay.

31:10 - 31:11 **Byron Cochrane**  
Did I stop sharing?

31:14 - 31:16 **Byron Cochrane**  
That wasn't what I was intending to do.

31:16 - 31:18 **Byron Cochrane**  
I have no idea what I'm doing these days.

31:18 - 31:19 **Byron Cochrane**  
You knew that.

31:25 - 31:38 **Byron Cochrane**  
So, that's a quick example of creating a building block profile out of existing ones, and that can inherit schemas, it can inherit validation rules.

31:40 - 31:52 **Byron Cochrane**  
We're still trying to work out what inheriting transforms might mean or look like, we haven't really made transformation inheritance happen yet.

31:52 - 31:57 **Byron Cochrane**  
That's a work in progress, partly to be informed by what sort of transformations people need to do.

32:01 - 32:09 **Byron Cochrane**  
But yeah, you can fork that and then create a pull request against a repository to submit work.

32:10 - 32:20 **Byron Cochrane**  
That's the way I would like people to hand things over during the code if possible, is identify whatever repository they're working on.

32:20 - 32:21 **Byron Cochrane**  
It doesn't have to be these building blocks.

32:21 - 32:23 **Byron Cochrane**  
It could be your own, whatever it is.

32:23 - 32:25 **Byron Cochrane**  
But we want to have visible outputs.

32:26 - 32:35 **Byron Cochrane**  
So hopefully people can reference pull requests against whatever working repositories as they make progress reports, please.

32:38 - 32:38 **Byron Cochrane**  
Any other?

32:39 - 32:55 **Byron Cochrane**  
If you need to create a repo, you can do so under So something that matches the issue tracker inside the GEODECAT.

32:56 - 32:57 **Byron Cochrane**  
We can create a folder in there.

32:58 - 33:00 **Byron Cochrane**  
Yeah, so we can create folders in GEODECAT.

33:01 - 33:10 **Byron Cochrane**  
If it's a building block, let's keep them separate because we've got another mechanism for aggregating the building block registries into a combined registry.

33:10 - 33:17 **Byron Cochrane**  
And then we can make it as a sub-module, so the geodecat API records is actually a sub-repository of the geodecat repository.

33:18 - 33:29 **Byron Cochrane**  
But if you want to build some which you think may have wider use, then absolutely just let me know and I'll build you, I'll create one in OTC incubator for us to share.

33:29 - 33:38 **Byron Cochrane**  
So this one, decat records provenance profile seems to be a general concern and we might want to develop further, so let's put it in there.

33:39 - 33:48 **Byron Cochrane**  
And then When a SWIG adopts it as a work item, it will move it to open geospatial, which is where we keep all the formal specifications.

33:48 - 33:54 **Byron Cochrane**  
So when it's a candidate or published standard, we'll push it to open geospatial.

33:54 - 34:06 **Byron Cochrane**  
So incubator is a safe space for us to play with for things which we think would be worthwhile standardizing at some point in the future.

34:07 - 34:14 **Byron Cochrane**  
So I don't want to keep anybody away from actually starting to do their work in coding now, but any questions?

34:19 - 34:24 **Panagiotis (Peter) A. Vretanos**  
Oh, I'll probably have a few, but it's getting late here, so I'm going to be signing off in a few minutes.

34:25 - 34:25 **Panagiotis (Peter) A. Vretanos**  
Sweet.

34:25 - 34:25 **Byron Cochrane**  
Okay.

34:26 - 34:33 **Byron Cochrane**  
Well, just start throwing questions at me and I will do my best to answer them as my own awake-ness allows.

34:35 - 34:36 **Panagiotis (Peter) A. Vretanos**  
No problem.

34:37 - 34:47 **Byron Cochrane**  
Well, thanks very much for dropping in, Peter, and hopefully we can rustle up some examples to play with the richer examples.

34:49 - 34:56 **Panagiotis (Peter) A. Vretanos**  
Yeah, I'll start poking at it in the morning, and I'll probably have questions for you then.

34:56 - 34:56 **Panagiotis (Peter) A. Vretanos**  
My.

34:56 - 34:57 **Byron Cochrane**  
Morning.

34:58 - 35:08 **Byron Cochrane**  
So one final thing, which is there is some documentation, there's some examples, there's some online.

35:09 - 35:13 **Byron Cochrane**  
So there's a big box examples here, but there's a building box docs.

35:14 - 35:15 **Byron Cochrane**  
Hopefully you've seen some of this stuff.

35:15 - 35:16 **Byron Cochrane**  
I'll drop this in discord.

35:17 - 35:22 **Byron Cochrane**  
This has a series of things, including a link to a tutorial, which sort of.

35:29 - 35:29 **Byron Cochrane**  
I'll show you.

35:30 - 35:30 **Byron Cochrane**  
Yeah.

35:30 - 35:30 **Byron Cochrane**  
So.

35:33 - 35:34 **Byron Cochrane**  
There was a.

35:44 - 35:50 **Byron Cochrane**  
There's a tutorial which sort of walks you through a series of steps for different things.

35:53 - 35:57 **Byron Cochrane**  
And that might be useful if you want to remember how one particular aspect of it works.

35:59 - 36:02 **Byron Cochrane**  
But I'll just drop the link in the Discord.

36:03 - 36:04 **Panagiotis (Peter) A. Vretanos**  
Yep, that looks great.

36:09 - 36:10 **[speaker unknown]**  
Okay.

36:14 - 36:15 **Panagiotis (Peter) A. Vretanos**  
Over to.

36:15 - 36:15 **Byron Cochrane**  
You.

36:15 - 36:15 **Byron Cochrane**  
Mark.

36:15 - 36:15 **Panagiotis (Peter) A. Vretanos**  
Excellent.

36:15 - 36:16 **Panagiotis (Peter) A. Vretanos**  
Thank you, sir.

36:16 - 36:18 **Panagiotis (Peter) A. Vretanos**  
That was a good good presentation, Rob.

36:20 - 36:20 **Byron Cochrane**  
All right.

36:20 - 36:21 **Byron Cochrane**  
Thanks, Peter.

36:21 - 36:25 **Byron Cochrane**  
Yeah, so now we're going to move into some hands-on actual work.

36:26 - 36:33 **Byron Cochrane**  
If you have any question of what you want to do and move on, just drop it in Discord.

36:34 - 36:35 **Byron Cochrane**  
Probably be the best place.

36:35 - 36:44 **Byron Cochrane**  
We're going to turn off this video from GoToMeeting, so those won't work too well.

36:44 - 36:49 **Byron Cochrane**  
I will put up the recordings in the process of doing so.

36:50 - 37:00 **Byron Cochrane**  
Those will have to go on the OGC rep, also, because the recordings are too large to get up, but we'll share the links for those ones that are open and public.

37:01 - 37:09 **Byron Cochrane**  
So that should be very soon, I might be able to do it without going deep into it, it looks like, so, share those when those are working.

37:11 - 37:23 **Byron Cochrane**  
And the next time we'll be starting the report will be about 5.30 today, when we'll report back on what we've accomplished, and at 6 o 'clock we'll do a handover to Europe.

37:23 - 37:30 **Byron Cochrane**  
So, people in Europe may want to join in then, but about 5.30 or 6, either way.

37:30 - 37:31 **Byron Cochrane**  
All right.

37:31 - 37:33 **Byron Cochrane**  
Thank you.

37:34 - 37:34 **Panagiotis (Peter) A. Vretanos**  
Thanks, everyone.

37:36 - 37:36 **Panagiotis (Peter) A. Vretanos**  
Bye-bye.