**OGC GeoDCAT SWG**  
  
May 23, 2024 . 9:54 PM . ID: 791037533 **Transcript**

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

01:03 - 01:04 **[speaker unknown]**  
Peter.

01:10 - 01:14 **Margie Smith**  
You're very faint, but we can hear you.

01:14 - 01:14 **Peter Parslow**  
It's.

01:14 - 01:15 **Margie Smith**  
Robert.

01:15 - 01:15 **Margie Smith**  
Okay.

01:15 - 01:15 **Peter Parslow**  
Yes.

01:16 - 01:17 **Peter Parslow**  
Yeah, and I could hear you.

01:19 - 01:21 **Peter Parslow**  
My problem was that nobody was speaking.

01:21 - 01:22 **Peter Parslow**  
That's why I couldn't hear anybody.

01:22 - 01:23 **Danny Vandenbroucke**  
No, OK.

01:23 - 01:26 **Peter Parslow**  
That's fine.

01:26 - 01:26 **Peter Parslow**  
I could hear you.

01:27 - 01:29 **Danny Vandenbroucke**  
A logic thing, a logic thing, yeah.

01:31 - 01:32 **Margie Smith**  
Rob, can you hear us now?

01:35 - 01:41 **Danny Vandenbroucke**  
No, we don't hear Rob, and he seems not to hear us.

01:42 - 01:43 **Alejandro Villar (OGC)**  
Rob, you're muted.

01:47 - 01:50 **Margie Smith**  
He was talking before, and we could hear him clearly, but he couldn't hear us.

01:50 - 01:51 **Rob**  
Ok, can you hear me now?

01:52 - 01:52 **Danny Vandenbroucke**  
Yes.

01:52 - 01:53 **Danny Vandenbroucke**  
We can hear.

01:53 - 01:53 **Margie Smith**  
You before.

01:54 - 01:55 **Margie Smith**  
Ok.

01:55 - 01:56 **Rob**  
I can hear you now.

01:56 - 01:56 **Rob**  
Okay.

01:56 - 01:57 **Danny Vandenbroucke**  
Okay, okay.

01:57 - 01:58 **Danny Vandenbroucke**  
So let's start.

02:01 - 02:12 **Danny Vandenbroucke**  
I will try to chair the session of today, although I could not really work over the past weeks on Geodicat and on our work.

02:12 - 02:21 **Danny Vandenbroucke**  
But I think what we can best do is to check state of affairs in preparation of the workshop we will hold in Montreal.

02:21 - 02:25 **Danny Vandenbroucke**  
It's rather a metadata workshop slash summit.

02:26 - 02:30 **Danny Vandenbroucke**  
We don't use the word summit, but it has been agreed and confirmed.

02:30 - 02:35 **Danny Vandenbroucke**  
And it's already listed on the website of the OGC on the portal.

02:36 - 02:43 **Danny Vandenbroucke**  
But we need to fine tune and finalize the different pieces so that we have a full program.

02:44 - 03:02 **Danny Vandenbroucke**  
I think we agreed last time, and I know Byron is also online, but he is preparing a marriage, not his marriage but family marriage somehow and doing other things so he will pop in and pop out so that's why I will chair this week.

03:03 - 03:23 **Danny Vandenbroucke**  
So we have currently still the full day of Friday of course maybe we will not use the full day until five o'clock but let's say we have a big chunk of time So, and because we want to tackle many, many issues there.

03:24 - 03:30 **Danny Vandenbroucke**  
Not only GeoDCat, but also other developments and the connection, of course, with GeoDCat.

03:31 - 03:39 **Danny Vandenbroucke**  
And still there, there are a few open things where we need to find speakers and the call still has to go out.

03:39 - 03:53 **Danny Vandenbroucke**  
So we really need to do that and I will try to put some time aside to invite OGC community to contribute in the workshop online or in person on the Friday.

03:54 - 04:06 **Danny Vandenbroucke**  
I heard already from several members that they will not be there on Friday so that's already an issue but hopefully they can at least be online in the workshop and contribute in that way.

04:07 - 04:12 **Danny Vandenbroucke**  
So there are four big blocks that we in mind.

04:14 - 04:17 **Danny Vandenbroucke**  
One is, let's say, the metadata scene.

04:18 - 04:22 **Danny Vandenbroucke**  
Of course, it's about DCAT and DCAT AP and GeoDCAT.

04:23 - 04:51 **Danny Vandenbroucke**  
So we could cover that with one or more presentations, for example, also on what is happening in SEMIC in Europe on GeoDCAT or DCAT and GeoDCAT AP, but also what we have and are doing in this week and especially on the plans related to the code sprints that we intend to develop.

04:53 - 05:06 **Danny Vandenbroucke**  
Of course, what fits there as well is everything and all the work done relate to API records, so we should find someone from the week or from the week to have a presentation there, hopefully that's possible.

05:07 - 05:14 **Danny Vandenbroucke**  
The same for stack developments, of course that's more a community standard, so, but there is interest in that.

05:15 - 05:39 **Danny Vandenbroucke**  
And we know that also on ISO 9105 developments are ongoing, especially dash four is being further prepared and people from Genovum, but also if I'm not wrong, Peter is also working on this or knows at least what is happening in ISO, that would be also of importance.

05:40 - 06:01 **Danny Vandenbroucke**  
And this session would be really to link the dots and how already work is being done to try to go from one standard to the other, how they connect to each other, they are different to put or to define the scene on metadata and metadata solutions.

06:04 - 06:34 **Danny Vandenbroucke**  
The other idea was, and I think there are maybe several people around the table that are working with GeoDKAT or GeoDKAT AP implementation, so it would be good to have some examples of ongoing work there, but that would be a broader call in the whole, not only in the DWIC and the SWIC, the whole OGC community to eventually present short presentations on what has been done or is ongoing with this regard.

06:34 - 06:49 **Danny Vandenbroucke**  
So still we decided some time ago that we also want to put documentation on examples, example implementations on GitHub that's only gradually happening.

06:49 - 07:06 **Danny Vandenbroucke**  
So this will be also a call to put some documentations or maybe already existing reports or other materials or code that can be eventually serve also as examples for other implementations.

07:07 - 07:16 **Danny Vandenbroucke**  
But the workshop intention is to have there a few examples, at least with concrete implementations.

07:17 - 07:22 **Danny Vandenbroucke**  
I know, for example, that Marie from IGN France is also working on it.

07:23 - 07:30 **Danny Vandenbroucke**  
So if we would have an example from Australia, from one from Europe and one from North America, that would be great.

07:30 - 07:36 **Danny Vandenbroucke**  
But let's also check that further offline, because I don't see who is all online.

07:37 - 07:39 **Danny Vandenbroucke**  
I think Marie was there, but maybe.

07:39 - 07:40 **Marie Lambois (IGN France)**  
Yeah.

07:41 - 07:42 **Danny Vandenbroucke**  
Okay, great.

07:43 - 07:56 **Danny Vandenbroucke**  
But, okay, we will collect the proposals and then this will be not very extensive presentations, but just to illustrate ongoing work on geodecaps, let's see.

07:59 - 08:05 **Danny Vandenbroucke**  
Then the other chunks that were in our minds, it's more the work that has been...

08:05 - 08:05 **Danny Vandenbroucke**  
Danny.

08:05 - 08:06 **Chris Little**  
Can I just chip in.

08:06 - 08:07 **Danny Vandenbroucke**  
There?

08:07 - 08:08 **Danny Vandenbroucke**  
Yeah, yeah, yeah.

08:08 - 08:08 **Danny Vandenbroucke**  
Go ahead.

08:09 - 08:09 **Danny Vandenbroucke**  
Chris.

08:10 - 08:31 **Chris Little**  
I'm just thinking, if you're doing things like stack development, yesterday we just had a XAR workshop in the Met Office and we had people from the science community in the UK, Ethan Davis from NetCDF joined in, so it's quite, you know, just exploring and exchanging experiences with XAR.

08:32 - 08:43 **Chris Little**  
Which is a cloud-orientated format, and it seems to me The key issue there is metadata and joining up all the chunks of data you have in XAR.

08:44 - 08:44 **Chris Little**  
And.

08:44 - 08:44 **Danny Vandenbroucke**  
There's.

08:44 - 08:52 **Chris Little**  
Activities in OGC to have CF-orientated, which is NetCDF-orientated, GeoXAR.

08:52 - 09:01 **Chris Little**  
So it seems to me would probably, I wouldn't say it's an elephant in the room, but it's reasonably big and it's running around.

09:02 - 09:02 **Danny Vandenbroucke**  
So it.

09:02 - 09:06 **Chris Little**  
Seems to me on that first slide, that's another bullet point you may want to add in there.

09:09 - 09:09 **Danny Vandenbroucke**  
Where.

09:09 - 09:10 **Chris Little**  
Would that fit?

09:12 - 09:13 **Danny Vandenbroucke**  
In the first session.

09:15 - 09:15 **Danny Vandenbroucke**  
Does.

09:15 - 09:16 **Chris Little**  
That make sense?

09:18 - 09:27 **Danny Vandenbroucke**  
It makes a lot of sense because the idea of the first session is really to have the overall picture of the different.

09:27 - 09:28 **Chris Little**  
Landscape.

09:28 - 09:32 **Danny Vandenbroucke**  
And ongoing discussions.

09:32 - 09:42 **Danny Vandenbroucke**  
It would be great because also we know that the Meteor community is working a lot on metadata issues and we're stuck in different profiles and solutions.

09:42 - 09:58 **Danny Vandenbroucke**  
So it would be good to have someone from this community, but let's say that, I don't know if we can do it during this meeting, but at least offline we need, because I know a few people, okay, API records will be not a big deal.

09:58 - 10:03 **Danny Vandenbroucke**  
I know the DCAT AP community, the semi-community, I know the people and can contact them.

10:03 - 10:13 **Danny Vandenbroucke**  
I know the ISO people as well, like Paul from Geonovin, but I don't know very well the stack community and I don't know NetCDF community.

10:13 - 10:15 **Danny Vandenbroucke**  
I know what it is doing in general.

10:15 - 10:17 **Danny Vandenbroucke**  
So it would be good to have some help there.

10:18 - 10:32 **Danny Vandenbroucke**  
And I will, maybe it's the best way to do it, to send out after this meeting a mail to the whole SWIC to ask who could contact particular persons or suggest names and we can do the contacts, of course.

10:33 - 10:35 **Chris Little**  
I haven't suggested names to some of those people.

10:35 - 10:40 **Chris Little**  
I have contacted some people to say, are you coming on the Friday?

10:41 - 10:47 **Chris Little**  
Just to, yeah, so we made, so there'll be at least two from the Met Office, it'll be me and Mark Burgoyne, so we.

10:47 - 10:48 **Danny Vandenbroucke**  
Could act as.

10:48 - 10:50 **Chris Little**  
Proxies for some of them if.

10:50 - 10:50 **Danny Vandenbroucke**  
You can't get new.

10:50 - 10:51 **Chris Little**  
Responses.

10:52 - 10:53 **Danny Vandenbroucke**  
Yeah, okay, that's good.

10:56 - 10:58 **Danny Vandenbroucke**  
Okay, it's great addition, I think.

10:58 - 11:05 **Danny Vandenbroucke**  
Yeah, the challenge there is to be as complete as possible and then, of course, to have a lot of examples.

11:05 - 11:33 **Danny Vandenbroucke**  
And I hope that one of the outcomes of the workshop, and I'm sure we can, is that we have also some ideas and examples of concrete challenges and issues that were raised in implementations for GeoDecat, but also in the work done in the stack community and so on and so on, or open issues that were already discovered or mentioned in the work in the other SWICs and other communities.

11:33 - 11:57 **Danny Vandenbroucke**  
So if that can come out, then we can list them, document them on the GitHub and take that on board and maybe do some work in the code sprint then in autumn time to be seeing still what we can do or what will be done in the London's code sprint, which is not entirely dedicated to metadata, but it's one small piece of the work done there.

11:57 - 12:02 **Danny Vandenbroucke**  
But at least for the autumn one, we need to have good ideas of what we could do there.

12:05 - 12:10 **Danny Vandenbroucke**  
The other sessions we want to plan is that did not really change.

12:11 - 12:33 **Danny Vandenbroucke**  
And already Rob explained in previous meetings and provide some examples, how this workflow could work, the building block and profile approach with the rainbow approach of the OGC, where it would rather be a session where examples are given and illustrated.

12:33 - 13:00 **Danny Vandenbroucke**  
Demonstrated, let's say, how this also the bits are connected, how you can go from one profile to the other, how you can expand, et cetera, and how the whole rainbow ID works in practice, because I think we said already in previous meetings, but I think it remains very important to better explain and illustrate in practice how it works with a few examples.

13:01 - 13:04 **Danny Vandenbroucke**  
So that's basically the idea of this third session.

13:05 - 13:08 **Danny Vandenbroucke**  
And I think Rob, you would be there if I'm not wrong.

13:09 - 13:10 **Rob**  
Yes, I'll be there, yeah.

13:11 - 13:12 **Danny Vandenbroucke**  
Okay, okay.

13:12 - 13:36 **Rob**  
I've also been in contact with Matthias Moore from the Stack community, and I've been doing a bunch of work using the building blocks mechanism to identify incompatibilities between stack and and records which they've managed to fix at the records end so hopefully we'll get a little bit of traction for a sort of systematic methodology.

13:36 - 13:59 **Danny Vandenbroucke**  
Yeah yeah that would be great by the way more or less one session is one and a half hour so we have some room assuming that we take the full day okay if we want to shorten it a little bit, then it would be a little bit less, but we can do quite, we can take some time to really dig deeper a little bit on examples and so on.

13:59 - 14:11 **Danny Vandenbroucke**  
Also for the other sessions and for the different dots that we explained in the first session, we certainly have room for different presentations and illustrations, so that should be fine.

14:12 - 14:23 **Danny Vandenbroucke**  
But let's say that we need, and then the last session ID was, because there is also a lot of discussion on going on those topics.

14:24 - 14:36 **Danny Vandenbroucke**  
Even on provenance, we had quite a lengthy discussion in one of the sessions, I don't remember which one, in the OGC meeting in Delft, is on licensing and provenance challenge.

14:36 - 14:39 **Danny Vandenbroucke**  
And I think there.

14:41 - 14:44 **Danny Vandenbroucke**  
Are some people online working on this, if I'm not wrong.

14:46 - 14:48 **Danny Vandenbroucke**  
Alejandro, you are here.

14:50 - 14:51 **Alejandro Villar (OGC)**  
I am.

14:51 - 15:01 **Alejandro Villar (OGC)**  
Ah, yes, well, I have done some work on it for, as you know, Usage, but...

15:03 - 15:06 **Danny Vandenbroucke**  
Is this ongoing or is.

15:06 - 15:06 **Alejandro Villar (OGC)**  
This.

15:06 - 15:13 **Danny Vandenbroucke**  
Something that is maybe not mature enough yet to introduce the topic or I don't know, it's just...

15:13 - 15:16 **Alejandro Villar (OGC)**  
I'm not sure.

15:16 - 15:24 **Alejandro Villar (OGC)**  
I mean, it's still ongoing because obviously the work is not done, but I have been preoccupied with other matters.

15:28 - 15:35 **Alejandro Villar (OGC)**  
But maybe something could be prepared or.

15:35 - 15:36 **Danny Vandenbroucke**  
Presented.

15:36 - 15:37 **Alejandro Villar (OGC)**  
For this.

15:37 - 15:38 **Alejandro Villar (OGC)**  
Maybe I don't know.

15:38 - 16:10 **Danny Vandenbroucke**  
It maybe we should offline think a little bit about it and discuss further and then decide whether it's for this workshop or maybe for another next time meeting of the dwek or whatsoever but okay I know that there is interest on the topic there is some ongoing work but you have to decide whether it's mature enough to present something intermediate results or not And whether this is a full session or rather a presentation as one of the One presentation as one of the topics.

16:10 - 16:11 **Danny Vandenbroucke**  
Of course.

16:11 - 16:12 **Danny Vandenbroucke**  
Yeah to be seen.

16:13 - 16:13 **Danny Vandenbroucke**  
Yeah.

16:13 - 16:18 **Alejandro Villar (OGC)**  
Yeah, I think it's a good idea I especially in the provenance from Rob.

16:21 - 16:29 **Alejandro Villar (OGC)**  
Develop a Building block for You know for the prof for the provo models Yeah.

16:29 - 16:30 **Rob**  
Yeah and sent.

16:30 - 16:30 **Alejandro Villar (OGC)**  
Them and.

16:30 - 16:38 **Rob**  
I just put the links into the chat But basically, I've created profiles for provenance, for stack, and GeoDecat.

16:38 - 16:41 **Rob**  
We haven't fleshed out GeoDecat, except for the provenance part of it.

16:42 - 16:50 **Rob**  
I've linked the provenance building block into the stack.

16:51 - 16:58 **Rob**  
I'm working, I said, with Matthias Moore to look at formally adding that to a stack extension.

17:01 - 17:14 **Rob**  
Which, yeah, that's, but anyway, but there's a building block for stack with providence and for geodecat or API records with providence, or already ready to go.

17:14 - 17:16 **Rob**  
And I've got a couple of examples in there.

17:17 - 17:23 **Rob**  
But yeah, if anybody wanted to test that out and throw some examples at it, I'm very happy to walk through.

17:24 - 17:43 **Rob**  
If you look at those links, you should see examples And you should be able to create a pull request with an example if you wish, or you could throw an example at me and I could sit down and work you through how you'd formalize it.

17:45 - 17:46 **Danny Vandenbroucke**  
Okay.

17:47 - 18:01 **Danny Vandenbroucke**  
Maybe then we can integrate it in the previous session as part or one of the examples, but and focusing more on provenance as an example how it could work, yeah.

18:01 - 18:07 **Danny Vandenbroucke**  
But we are always coming back, of course, to having interesting examples and do some testing.

18:08 - 18:23 **Danny Vandenbroucke**  
So maybe after the meeting, we will need not only to invite people for presentations, but also to do some testing and provide some of the examples so that, yeah, we have some concrete materials during the workshop.

18:23 - 18:28 **Chris Little**  
Danny, I was just going to chip in that talk about province etc.

18:28 - 18:52 **Chris Little**  
From Alessandro and Rob, and you suggested to someone that's coming down the pipeline, which is, of course, we've just voting into existence the EDR API Pub-Sub part, and I'm hoping to convene the re-charted PubSub standard working group, though we may not get around having meeting in Montreal.

18:54 - 19:01 **Chris Little**  
But that PubSub mechanism for a lot of the OGC APIs requires metadata.

19:02 - 19:06 **Chris Little**  
And it seems to me it's got to fit in with all of this somehow.

19:07 - 19:08 **Danny Vandenbroucke**  
Because.

19:08 - 19:08 **Rob**  
You've.

19:08 - 19:15 **Chris Little**  
Got the information flows, the information channels that you are subscribing to, to get notification, to get your data.

19:15 - 19:24 **Chris Little**  
And it seems to me that there has to be discussions to another landscape to explore.

19:24 - 19:27 **Chris Little**  
It may be a dead end or it may not be.

19:27 - 19:43 **Rob**  
Well, basically anytime we have a schema for some aspect of metadata that you want to be able to define where it fits in effectively, all we have to do is define the predicate which links it to the IDCAT record or data distribution, sorry.

19:44 - 19:44 **Chris Little**  
A D-CAT.

19:44 - 19:47 **Rob**  
Data set or distribution.

19:48 - 20:04 **Rob**  
Then we can then test, we can put examples into the schema, we can generate some examples of exactly how you'd attach that metadata, what it would look like, and we could effectively create a records implementation that's bound to GeoDecat.

20:07 - 20:14 **Rob**  
For all these things, the elements of your metadata are going to be bound to multiple vocabularies.

20:14 - 20:15 **Rob**  
Some of them will be DCAT.

20:15 - 20:17 **Rob**  
Dcat itself uses some.

20:20 - 20:22 **Rob**  
Dublin Core and other.

20:22 - 20:23 **Chris Little**  
Vocabularies.

20:24 - 20:26 **Rob**  
Provenance will use Provenance.

20:26 - 20:29 **Rob**  
We just have to choose what the target vocabulary is.

20:29 - 20:29 **Rob**  
Yeah.

20:30 - 20:32 **Rob**  
And then we can, then we can bind it in.

20:34 - 20:34 **Rob**  
Okay.

20:35 - 20:36 **Chris Little**  
Thank you.

20:38 - 20:38 **Danny Vandenbroucke**  
Okay.

20:39 - 20:41 **Danny Vandenbroucke**  
Anyone around the table?

20:41 - 20:46 **Danny Vandenbroucke**  
Because I see we are 13 people, so a little bit more than usual.

20:47 - 20:57 **Danny Vandenbroucke**  
Are there any proposals from the people around the table to add a presentation or something to what is on the table now?

20:57 - 21:05 **Danny Vandenbroucke**  
Otherwise, we would like to finalize the first draft program and upload it on the portal.

21:06 - 21:08 **Danny Vandenbroucke**  
I think the big chunks are already there.

21:08 - 21:10 **Danny Vandenbroucke**  
Byron, do you remember?

21:10 - 21:13 **Danny Vandenbroucke**  
I don't know if you are still hearing us.

21:15 - 21:28 **Danny Vandenbroucke**  
I don't think we have the detailed schema yet in the OGC portal, but we need to do that as soon as possible and then also send out that this workshop is happening and what is in the agenda, et cetera.

21:28 - 21:38 **Danny Vandenbroucke**  
But maybe there are some additional ideas to be added to the agenda or the ideas of the workshop.

21:48 - 21:52 **Danny Vandenbroucke**  
No, I see, maybe in the chat.

22:00 - 22:03 **Danny Vandenbroucke**  
No, not from Jordi's side.

22:05 - 22:11 **Danny Vandenbroucke**  
Well, if there is still ideas popping up in your mind, then we are still open, of course, to adapt.

22:11 - 22:19 **Danny Vandenbroucke**  
We still have some time, although it's more or less in four weeks' time, so time is flying.

22:22 - 22:28 **Danny Vandenbroucke**  
If not, I propose go to the next topic of the agenda.

22:31 - 22:38 **Danny Vandenbroucke**  
I have personally no more additional information on the code sprint in London, which happens in July.

22:38 - 22:47 **Danny Vandenbroucke**  
We know that the metadata is part of it, but as far as I know, Byron, we don't know yet exactly what will happen.

22:50 - 22:52 **Danny Vandenbroucke**  
Or maybe someone else knows.

22:56 - 23:24 **Chris Little**  
Well, certainly I'll be at the code sprint, or plan to, and with colleagues, and we'll be looking at the metadata at the level of schema fragments within the APIs, because that's the big metadata issue that's kind of the real elephant in the room for us, is we're implementing all these different APIs and they're starting to come out the door quite rapidly now from OGC.

23:24 - 23:57 **Chris Little**  
But they've all implemented the YAML or the JSON schemas slightly differently, all covering the same area, covering the same things and there needs to be some consistency at that level so that's kind of micro metadata if you want and I think that's a real issue for OGC and I think there will be people there doing that which isn't yeah it's not depends whether you want the the workshop and the code sprint to be a geodecat workshop.

23:57 - 24:06 **Danny Vandenbroucke**  
Or a Metadata and Geo DCAT is part of the discussion, but you have all these other initiatives.

24:07 - 24:13 **Danny Vandenbroucke**  
And I guess the code sprint is not about Metadata per se, but Metadata is one small part in it, I assume.

24:14 - 24:18 **Danny Vandenbroucke**  
Although I think if you are there, it's fine, because I can't go there.

24:18 - 24:28 **Danny Vandenbroucke**  
And I think most of the people last time were not indicating they can go, but it's very important that we know exactly what will happen there or afterwards that.

24:28 - 24:29 **Chris Little**  
We.

24:29 - 24:30 **Danny Vandenbroucke**  
Know some results.

24:30 - 24:41 **Danny Vandenbroucke**  
Because I'm not sure about the code sprints, whether there is, is there a particular report being made of results of a code sprint or not at all, or is it just.

24:41 - 24:41 **Chris Little**  
Code.

24:41 - 24:42 **Danny Vandenbroucke**  
On the.

24:42 - 24:43 **Chris Little**  
Github and.

24:43 - 24:44 **Danny Vandenbroucke**  
That's it.

24:44 - 24:44 **Chris Little**  
Or?

24:44 - 24:48 **Chris Little**  
Yeah, I think there'll be a report and it will be built on a GitHub.

24:48 - 24:51 **Chris Little**  
So it may not be a fully fledged engineering report.

24:51 - 24:56 **Chris Little**  
In the past, it was some of the code sprints produced engineering reports, but I think that.

24:58 - 25:03 **Chris Little**  
I think that it would be a report and it would be, you know, people are just chipping on GitHub.

25:03 - 25:04 **Danny Vandenbroucke**  
Reposts and.

25:04 - 25:06 **Chris Little**  
That's what Gobi's driven in the past.

25:08 - 25:08 **Danny Vandenbroucke**  
Yeah.

25:09 - 25:14 **Danny Vandenbroucke**  
I think in this case it would because I think Byron can also not attend if I'm not wrong.

25:14 - 25:20 **Danny Vandenbroucke**  
So it would be good to have kind of to know where the results of the code sprint.

25:20 - 25:21 **Chris Little**  
Is.

25:21 - 25:22 **Danny Vandenbroucke**  
Stored.

25:22 - 25:22 **Chris Little**  
On the GitHub.

25:23 - 25:24 **Chris Little**  
Yeah.

25:24 - 25:27 **Chris Little**  
And it'll be driven by the people who turn up, to be honest.

25:28 - 25:33 **Chris Little**  
There'll be people attending remotely, but they will be in the back seat rather than the front.

25:33 - 25:33 **Danny Vandenbroucke**  
Seat.

25:34 - 25:42 **Chris Little**  
And I think if a few people turn up and they suddenly, you know, over the coffee or the beer, they suddenly say, oh, this is a cool thing to do.

25:42 - 25:42 **Chris Little**  
They'll do.

25:42 - 25:43 **Danny Vandenbroucke**  
It.

25:45 - 25:47 **Chris Little**  
Is it a hackathon or is it a code sprint?

25:47 - 25:49 **Danny Vandenbroucke**  
Kind.

25:49 - 25:50 **Chris Little**  
Of both really.

25:51 - 25:57 **Danny Vandenbroucke**  
Yeah yeah okay but if we know it's documented then there will be something on github then that's fine and then we'll.

25:57 - 25:59 **Chris Little**  
Try and document it.

26:00 - 26:03 **Danny Vandenbroucke**  
Yeah no no that's that's great metadata.

26:04 - 26:04 **Danny Vandenbroucke**  
So.

26:04 - 26:09 **Rob**  
On this I've had conversations.

26:11 - 26:20 **Rob**  
With Ivan or even over from the 19157-3 data qualities register And there's a data quality focus in this code sprint, I believe.

26:22 - 26:41 **Rob**  
And so we'll definitely be exploring effectively micro schemas for the various different data quality measures and how are we going to add those to the register, how are we going to create building blocks for them, and how are we going to link them in would seem to be a logical thing to do.

26:41 - 26:47 **Rob**  
And I'm also talking to Sam Meek, who I believe is going to be there and involved in this.

26:48 - 26:57 **Rob**  
On the 30th this month about some of these issues as well.

26:57 - 27:05 **Rob**  
So we've got a couple of other potential angles into how this fits together.

27:06 - 27:10 **Rob**  
But the bottom line is exactly as Chris said, we've got a whole bunch of different metadata concerns.

27:11 - 27:18 **Rob**  
We've got to identify what's common, what's different and set up the reusable pieces and how they get reused.

27:21 - 27:36 **Rob**  
So from the codesmith perspective, it's probably a matter of how do software pick up extensions and implement them so that we can have as many of these extensions as we want, rather than have to hand code a new piece of software for every bit of metadata.

27:37 - 27:40 **Rob**  
Would seem to be the place where you would need to go.

27:41 - 27:44 **Rob**  
That's just generally how do we have extensible metadata as opposed to fixed schema metadata.

27:49 - 27:49 **Danny Vandenbroucke**  
Okay.

27:52 - 27:55 **Danny Vandenbroucke**  
Anyone else wants to say something on the code sprint?

27:55 - 27:56 **Danny Vandenbroucke**  
Maybe other people are attending.

27:56 - 27:57 **Danny Vandenbroucke**  
I don't know.

28:00 - 28:02 **Danny Vandenbroucke**  
You can just put it in the chat also.

28:22 - 28:26 **Danny Vandenbroucke**  
So Byron has no more information on the code sprint either.

28:31 - 28:31 **Danny Vandenbroucke**  
Okay.

28:31 - 28:39 **Danny Vandenbroucke**  
And then the other code sprint that we intend to plan ourselves.

28:41 - 28:45 **Danny Vandenbroucke**  
I think the dates were confirmed already last meeting because these are my old slides.

28:47 - 28:54 **Danny Vandenbroucke**  
So it will be after the ISO TC 211 meeting, if I'm not wrong.

28:54 - 29:07 **Danny Vandenbroucke**  
So that's confirmed because the week before the ISO TC 211 meeting in Sydney, there is the SULE meeting of the OGC, which is early November.

29:10 - 29:12 **Danny Vandenbroucke**  
So the dates have been clarified before already.

29:14 - 29:25 **Danny Vandenbroucke**  
I think when we have our Montreal workshop, I hope we will see very practical issues and challenges.

29:25 - 29:27 **Danny Vandenbroucke**  
We want to further test.

29:27 - 29:39 **Danny Vandenbroucke**  
We might do a few things in the workshop already, but I think the workshop will not be the place where we have plenty of time, like in the code sprint, which will run for several days in fact.

29:40 - 29:42 **Danny Vandenbroucke**  
So that's the idea.

29:42 - 30:01 **Danny Vandenbroucke**  
So where we really focus on the testing and the examples to dig deep, but as will be in the London code sprint, the broader code sprint, then I guess we will see exactly what to do also and have some ideas of what to do when we meet each other there.

30:01 - 30:24 **Danny Vandenbroucke**  
And then, of course, I hope that the workshop in Montreal will feed with already some ideas of what we can do, and hopefully also what is happening in London will give some further ideas of topics to tackle or to really test during the code sprint in November.

30:25 - 30:31 **Danny Vandenbroucke**  
I'm not sure on the practical organization because, okay.

30:34 - 30:50 **Danny Vandenbroucke**  
The idea was to have a hybrid event but, of course, it will be steered by the people that will be there in person, hopefully a few people from the ISO DC211 community that will be there anyway.

30:50 - 30:57 **Danny Vandenbroucke**  
But, and then there's maybe a question towards Peter, how we have to communicate.

30:57 - 31:00 **Danny Vandenbroucke**  
Okay, I think Peter is steering the committee.

31:01 - 31:12 **Danny Vandenbroucke**  
So maybe it's not necessary, but should we invite officially the ISO community and how we do that to also participate in this type of event?

31:12 - 31:13 **Danny Vandenbroucke**  
I don't know how it works.

31:13 - 31:18 **Danny Vandenbroucke**  
And then of course we will have the call in the OGC community for this code sprint.

31:18 - 31:26 **Danny Vandenbroucke**  
And then I guess in New Zealand and Australia there will be particular association organizations to be targeted.

31:28 - 31:42 **Danny Vandenbroucke**  
But first maybe the question on the ISO committee, should we follow there a more formal procedure to invite participants of the ISO TC211 meeting also to this code sprint?

31:45 - 31:46 **Peter Parslow**  
Peter here.

31:47 - 31:52 **Peter Parslow**  
On the TC211 side, we don't really need anything more formal.

31:52 - 31:55 **Peter Parslow**  
We'd be very happy to publicise the fact that it's happening.

31:57 - 32:08 **Peter Parslow**  
Personally, for me, encourage people who are metadata community within TC211 to be there one way or the other.

32:09 - 32:23 **Peter Parslow**  
So, yeah, I'm planning to stay on from our own TC-211 meetings in Sydney and be there in person, but yeah, so we can make a mention of it in our TC-211 meetings next month and run it as a news item after that.

32:25 - 32:25 **Danny Vandenbroucke**  
Okay.

32:26 - 32:31 **Peter Parslow**  
The news item needs to be full about details about our own meeting next month, so.

32:31 - 32:31 **Danny Vandenbroucke**  
Okay.

32:32 - 32:32 **Danny Vandenbroucke**  
That's not far.

32:32 - 32:43 **Peter Parslow**  
Enough away, although obviously people start to plan their flights for being in Sydney, so, you know, letting them know early that they might not want to hurry back to the North or New Zealand.

32:44 - 32:56 **Danny Vandenbroucke**  
Yeah, should we maybe prepare a kind of short description of the idea and the aim of the code sprint and the breadth of the code sprint and so on, just to.

32:56 - 32:58 **Peter Parslow**  
Stimulate… That would be really helpful.

32:59 - 33:00 **Danny Vandenbroucke**  
Yeah, without being.

33:00 - 33:07 **Peter Parslow**  
Able to precisely tackle… Yes, very helpful.

33:07 - 33:08 **Peter Parslow**  
With London.

33:09 - 33:17 **Peter Parslow**  
Yeah, it's just a document which would turn into a news item which is a bit of text on our website effectively.

33:18 - 33:23 **Peter Parslow**  
But yeah, we can accept any form of input which has got machine readable text in it.

33:24 - 33:26 **Peter Parslow**  
A word file is often in the way.

33:27 - 33:29 **Danny Vandenbroucke**  
Yeah, okay, to keep it simple.

33:31 - 33:31 **Danny Vandenbroucke**  
Okay.

33:31 - 33:32 **Danny Vandenbroucke**  
If.

33:32 - 33:34 **Peter Parslow**  
You've got a picture, fine, otherwise we'll put.

33:34 - 33:34 **Danny Vandenbroucke**  
A real picture on.

33:34 - 33:36 **Peter Parslow**  
It.

33:37 - 33:53 **Danny Vandenbroucke**  
I guess there are, just from previous code sprints, maybe we can borrow one from there to have to show the potential interested parties to show that it's really handsome and kind of group work and so on.

33:53 - 34:04 **Danny Vandenbroucke**  
Yeah, I don't know from the practical side if Byron can intervene now or because I know he was looking into some of the issues already.

34:04 - 34:05 **Danny Vandenbroucke**  
So what is the status there?

34:08 - 34:10 **Byron Cochrane (OpenWork)**  
I don't have any real updates at the moment.

34:11 - 34:16 **Byron Cochrane (OpenWork)**  
I was just looking at the agendas or the transcripts from last time.

34:17 - 34:21 **Byron Cochrane (OpenWork)**  
And yeah, we need to, one of the top items is a sort of venue.

34:22 - 34:26 **Byron Cochrane (OpenWork)**  
Rob, you had mentioned something about having an idea on a venue.

34:27 - 34:27 **Byron Cochrane (OpenWork)**  
I was wondering if.

34:27 - 34:29 **Rob**  
You...

34:29 - 34:36 **Rob**  
I haven't thought it up yet, but I think that you knew New South Wales is a strong possibility.

34:37 - 34:38 **Rob**  
Sissy's Latin over.

34:40 - 34:49 **Rob**  
She's actually asked me also to give a seminar up there in July, so I can put the word on her to do this.

34:50 - 35:06 **Rob**  
Also, we'll be meeting tomorrow with Aura and Australian Urban Resource Information Network, who are potential candidates for putting some requirements into such a code sprint around metadata for reusable analytics.

35:08 - 35:32 **Rob**  
They basically are very keen on deploying analytics for urban digital twins in the cloud and of course that means describing and understanding how data description requirements are captured as a form of metadata and how they relate to actual data.

35:34 - 35:44 **Rob**  
So I think there's a good chance that Orin might be able to come to the party with potentially some resources and some use cases.

35:46 - 35:48 **Byron Cochrane (OpenWork)**  
I'll socialize this again.

35:48 - 36:04 **Byron Cochrane (OpenWork)**  
There's a ICSM metadata working group meeting tomorrow and I'll socialize this again there and kind of see if we can get some more pressure on some people there to actually come up with some offers or whatever.

36:04 - 36:07 **Byron Cochrane (OpenWork)**  
Just make sure it's well known and see what we can get there.

36:08 - 36:12 **Danny Vandenbroucke**  
Yeah, but it's confirmed it will be certainly Sydney.

36:12 - 36:17 **Danny Vandenbroucke**  
It's not another city that you have to travel again and so on.

36:19 - 36:19 **Byron Cochrane (OpenWork)**  
It's...

36:19 - 36:24 **Byron Cochrane (OpenWork)**  
Well, without a thing, that's kind of hard to say, but yeah, but basically, yeah, that's what.

36:24 - 36:25 **Danny Vandenbroucke**  
We...

36:25 - 36:31 **Danny Vandenbroucke**  
Yeah, you're looking into Sydney, not in Melbourne that you have to travel again and during the weekend and so on.

36:31 - 36:34 **Danny Vandenbroucke**  
Okay, if it's only possible that way, it's fine, but yeah.

36:36 - 36:59 **Danny Vandenbroucke**  
Okay, and then another thing I I think we still have to find out because I don't know if there is experience in other code sprints to have kind of make it a hybrid event so that others might join online because for a code sprint, it seems a little bit more difficult to me than.

36:59 - 37:01 **Danny Vandenbroucke**  
For example, for a workshop for giving a presentation.

37:03 - 37:11 **Byron Cochrane (OpenWork)**  
We did in a metadata code sprint that happened, what was it, about two years ago now in London.

37:11 - 37:15 **Byron Cochrane (OpenWork)**  
It was hybrid, actually, the OTC had the space.

37:17 - 37:26 **Byron Cochrane (OpenWork)**  
Whatever that laboratory, that Ordnance Survey has there, I forget the name of it, but anyway, the usual space where they usually have it.

37:26 - 37:30 **Byron Cochrane (OpenWork)**  
But there was a larger contingent that was online than that was actually in person.

37:32 - 37:34 **Byron Cochrane (OpenWork)**  
And yeah, it functioned pretty well.

37:34 - 37:37 **Byron Cochrane (OpenWork)**  
So I don't know if it's that hard to do.

37:38 - 37:45 **Byron Cochrane (OpenWork)**  
It's something that I can follow up with Gobi and make sure a lot of those port pieces are in place.

37:46 - 37:49 **Byron Cochrane (OpenWork)**  
And he offered to give that sort of support before.

37:50 - 37:58 **Byron Cochrane (OpenWork)**  
So just not gonna support the venue itself, but having all the technical support was possible.

38:02 - 38:16 **Danny Vandenbroucke**  
Okay, so it's feasible, it seems, so maybe we have to find out because the other idea was of course to eventually also have code sprints in other continents, but okay, that makes things not necessarily easier.

38:17 - 38:27 **Danny Vandenbroucke**  
And I think for the time being, the focus is now on this code sprint in Sydney, rather than in other places.

38:28 - 38:30 **Danny Vandenbroucke**  
So the workshop and then the code sprint.

38:31 - 38:33 **Danny Vandenbroucke**  
Yeah, and then one of London, of course.

38:34 - 38:57 **Danny Vandenbroucke**  
I don't know if we need to discuss other things for the time being, other than having a call, of course, that if you have examples of implementations for any type of metadata, but also certainly for the Geo DCAT stuff, then please try to document it or upload it on the GitHub.

38:59 - 39:05 **Danny Vandenbroucke**  
Can you copy paste the GitHub for the Geo DCAT stuff again in the chat?

39:05 - 39:15 **Danny Vandenbroucke**  
Because I can't do it now showing my screen so that everyone has it, but you can find it also on the OJC portal, of course, should be there.

39:19 - 39:28 **Danny Vandenbroucke**  
Then maybe I don't have news, but I will have a meeting with the SEMIC people very soon.

39:28 - 39:37 **Danny Vandenbroucke**  
So there is a request from them to have a kind of joint meeting from Digital Flanders who is also steering this work and from other people.

39:37 - 39:57 **Danny Vandenbroucke**  
So, but I guess that before the workshop in Montreal, we should have a fair good results to our series of online events that we communicated to the week, I think, to this week.

39:58 - 40:06 **Danny Vandenbroucke**  
And maybe some of you could attend, I could not attend, it was clashing all the time for me, but my colleague, one of my colleagues attended some of the events.

40:06 - 40:16 **Danny Vandenbroucke**  
But in summary, the result of the work on geodecat AP in particular will be available before the summer period.

40:17 - 40:34 **Danny Vandenbroucke**  
If I'm not wrong, there is no real delay, but we will know and I hope they can also present in our workshop or have someone from the OGC community that can present the results in name.

40:35 - 40:40 **Danny Vandenbroucke**  
I don't know, I know that Jordi was online.

40:40 - 40:46 **Danny Vandenbroucke**  
If you know more about the status of affairs there, I don't know if he's still online.

40:47 - 40:49 **JORDI ESCRIU (JRC)**  
Yes, yes, I'm.

40:49 - 40:49 **Danny Vandenbroucke**  
Here.

40:49 - 40:49 **Danny Vandenbroucke**  
Okay.

40:50 - 40:51 **Danny Vandenbroucke**  
Hi, hi.

40:51 - 40:51 **Danny Vandenbroucke**  
Can you hear.

40:51 - 40:52 **JORDI ESCRIU (JRC)**  
Me well?

40:52 - 40:53 **Danny Vandenbroucke**  
Yeah, I hear you.

40:54 - 40:55 **JORDI ESCRIU (JRC)**  
Okay.

40:56 - 40:58 **JORDI ESCRIU (JRC)**  
So, yes, I can provide you a short update.

40:59 - 41:04 **JORDI ESCRIU (JRC)**  
So, the work is according to the plan.

41:04 - 41:20 **JORDI ESCRIU (JRC)**  
So, the idea is that we have run several workshops within the semi-group with the geospatial community in order to discuss about the issues on how to align.

41:22 - 41:41 **JORDI ESCRIU (JRC)**  
This ISO metadata with the Geo DCAT IP, updating it to version 3 of DCAT and also taking into account the alignment with high-value datasets.

41:41 - 41:57 **JORDI ESCRIU (JRC)**  
So, we come up with several proposals to deal with the issues that somebody already, Margie, provided in the chat.

41:58 - 41:59 **JORDI ESCRIU (JRC)**  
I don't know.

42:00 - 42:09 **JORDI ESCRIU (JRC)**  
I can provide you the link to that issue later on in the chat as well.

42:11 - 42:22 **JORDI ESCRIU (JRC)**  
So, also, all the events, in case you did not attend it, Dani, are also available in the SEMIC platform.

42:23 - 42:30 **JORDI ESCRIU (JRC)**  
So, you can look at the recordings, also the presentation.

42:30 - 42:51 **JORDI ESCRIU (JRC)**  
So the idea is to start, now we finished somehow the plan for discussion on issues, and now it's the time to start drafting the Geo DCAT IP proposal, which will be available by the mid of June.

42:52 - 43:08 **JORDI ESCRIU (JRC)**  
And the intention from that point is to test with the community the results and give a kind of public review consultation period until September.

43:08 - 43:09 **JORDI ESCRIU (JRC)**  
So.

43:09 - 43:09 **Danny Vandenbroucke**  
In.

43:09 - 43:20 **JORDI ESCRIU (JRC)**  
September, we will provide some few updates on the draft document and we will deliver the latest version of Geodicat IP.

43:21 - 43:25 **Danny Vandenbroucke**  
Okay, sounds great and it seems everything is on track.

43:25 - 43:27 **Danny Vandenbroucke**  
Do you think it would be possible?

43:27 - 43:34 **Danny Vandenbroucke**  
Because I guess already preparations are ongoing to summarize or to document the results so far.

43:34 - 43:45 **Danny Vandenbroucke**  
And if you speak about half of June, do you think it would be possible to have a contribution in the workshop already, which is the third week of June, I think.

43:45 - 43:46 **Danny Vandenbroucke**  
Yeah.

43:46 - 43:46 **Byron Cochrane (OpenWork)**  
And.

43:46 - 43:48 **Danny Vandenbroucke**  
The day of that week.

43:49 - 43:50 **JORDI ESCRIU (JRC)**  
Yes, for sure.

43:51 - 44:03 **JORDI ESCRIU (JRC)**  
So maybe we shouldn't get, we should engage you also within the SEMIC work for this matter.

44:04 - 44:08 **JORDI ESCRIU (JRC)**  
So, maybe send a request to Pavlina and Bert.

44:09 - 44:10 **JORDI ESCRIU (JRC)**  
Yeah, I.

44:10 - 44:11 **Danny Vandenbroucke**  
Think that's what Bert wants.

44:12 - 44:13 **Danny Vandenbroucke**  
Yeah, correct, correct.

44:13 - 44:16 **Danny Vandenbroucke**  
I think Bert, that is what he wants to discuss with me.

44:16 - 44:17 **JORDI ESCRIU (JRC)**  
Okay.

44:17 - 44:23 **Danny Vandenbroucke**  
But I will inform also Pavlina from Digit, yeah, that would be great.

44:23 - 44:25 **Danny Vandenbroucke**  
And I will put you also in copy, of course, and you.

44:25 - 44:26 **JORDI ESCRIU (JRC)**  
Are welcome.

44:26 - 44:27 **JORDI ESCRIU (JRC)**  
Thank you.

44:28 - 44:28 **Danny Vandenbroucke**  
Okay.

44:28 - 44:29 **Danny Vandenbroucke**  
That would be great.

44:29 - 44:34 **Danny Vandenbroucke**  
So that's already a contribution in the discussions of our workshop.

44:34 - 44:38 **Danny Vandenbroucke**  
And then maybe with all the test sets will be done, if that's ready.

44:38 - 44:52 **Danny Vandenbroucke**  
By September and working on the new version of the APE profile, then maybe also that could be taken on board to do some further testing in the code sprint also, maybe.

44:53 - 44:55 **Danny Vandenbroucke**  
Well, let's start thinking about it.

44:56 - 44:59 **Danny Vandenbroucke**  
We should not solve everything that's, yeah.

45:02 - 45:05 **Danny Vandenbroucke**  
Okay, any other issue?

45:07 - 45:13 **Danny Vandenbroucke**  
Otherwise, I would like to, Byron, do we need to discuss something else that you have in mind?

45:18 - 45:19 **Byron Cochrane (OpenWork)**  
Nothing from me, no.

45:20 - 45:20 **Danny Vandenbroucke**  
No.

45:21 - 45:31 **Danny Vandenbroucke**  
Anyone wants to raise another issue, urgent issue, but of course we need to start working offline after the meeting, that's more important now.

45:33 - 45:35 **Danny Vandenbroucke**  
Yeah, I will stop sharing my screen.

45:40 - 45:41 **Danny Vandenbroucke**  
Okay.

45:44 - 45:53 **Rob**  
I guess there's one thing, which as I said, started building profiles and testing stack extensions and if there's any particular.

45:56 - 46:04 **Rob**  
Stack extensions that have concepts which we think ought to be in Geo DCAT please let me know and I'll prioritize those.

46:05 - 46:13 **Rob**  
I mean a lot of them will be quite domain specific but if anyone's of something which has concerns.

46:14 - 46:17 **Rob**  
They're covered by stack extensions that I think ought to be covered by GeoDecat.

46:18 - 46:20 **Rob**  
Let me know and I'll prioritize doing some testing for those.

46:22 - 46:23 **Danny Vandenbroucke**  
Yeah, okay.

46:24 - 46:40 **Danny Vandenbroucke**  
In the meantime, in the chat you will find a lot of links to relevant Githubs and documentation, but of course this will be recorded and the recording will be also available on the GitHub of the OGC geodetects week.

46:43 - 46:47 **Danny Vandenbroucke**  
Okay, if there are no other urgent issues.

46:47 - 46:48 **Byron Cochrane (OpenWork)**  
That we need to discuss.

46:49 - 46:53 **Byron Cochrane (OpenWork)**  
Quick correction, the recordings, I cannot load into the GitHub.

46:53 - 46:54 **Danny Vandenbroucke**  
Because GitHub doesn't.

46:54 - 46:56 **Byron Cochrane (OpenWork)**  
Like to put up that big of files.

46:57 - 46:57 **Byron Cochrane (OpenWork)**  
So.

46:57 - 46:58 **Danny Vandenbroucke**  
I have to put those.

46:58 - 47:02 **Byron Cochrane (OpenWork)**  
On the OGC portal.

47:02 - 47:04 **Danny Vandenbroucke**  
On the portal, on the portal, sorry, sorry.

47:04 - 47:15 **Danny Vandenbroucke**  
Yeah, but I guess everyone around the table has access as a member, so, and there it can be found under the geodkatswick folder, yeah, okay.

47:15 - 47:18 **Byron Cochrane (OpenWork)**  
Yeah, I think I'm one behind already, so I'll get those in there.

47:19 - 47:25 **Danny Vandenbroucke**  
Okay, yeah, okay, so there is separately, the documentation is the recording, but the rest is on the GitHub.

47:27 - 47:35 **Danny Vandenbroucke**  
I don't see hands raised from anyone around the table, so I would propose to close the meeting.

47:35 - 47:49 **Danny Vandenbroucke**  
Thanks for attending and it seems that this time of the day is a little bit better, although maybe it's especially better for European people than for others, but anyway, it's good that we have 12 people.

47:50 - 47:51 **Danny Vandenbroucke**  
So yeah.

47:53 - 47:53 **Danny Vandenbroucke**  
Okay.

47:53 - 47:57 **Danny Vandenbroucke**  
And then there is also the link from Jordi on the Semic events.

47:57 - 47:58 **Danny Vandenbroucke**  
That's also great.

48:02 - 48:03 **Danny Vandenbroucke**  
Okay.

48:03 - 48:14 **Danny Vandenbroucke**  
So with this, if there is no other questions or issues, then I would propose to close the meeting.

48:15 - 48:26 **Danny Vandenbroucke**  
So thanks again for everyone and hope to see many examples and documentation in the next couple of weeks and months.

48:27 - 48:27 **Danny Vandenbroucke**  
Thanks.

48:28 - 48:29 **Danny Vandenbroucke**  
And if there is anything, yeah, bye.

48:30 - 48:31 **JORDI ESCRIU (JRC)**  
Thank you.

48:33 - 48:33 **Alejandro Villar (OGC)**  
Thank you, everyone.

48:34 - 48:34 **Alejandro Villar (OGC)**  
Bye.