**VO Selected Topics in Geoinformatics-20231211\_083116-Meeting Recording**

0:09  
And we should be ready to go with all of that and believe I didn't leave anyone out in the lobby.

0:18  
So special good morning to today's speaker Matthieu Kraser.

0:26  
Kraser is quite well known to maybe some of you as well.

0:31  
He had spent some time inside book.

0:35  
I believe it was tearing in or in the framework of an Erasmus internship, and he seems to pop by Salzburg.

0:45  
Not so, yeah, quite often.

0:47  
That's great.

0:49  
But today's visit is kind of virtual.

0:52  
From home in in Poznan, you can already see the university identity where you are currently on the pathway to graduation, right?

1:08  
And one part of the work you were doing here in Salzburg was related to collecting experience with a tool which is called experience builder.

1:20  
This is a tool which might or might not be familiar to all of you, but I would argue you should be familiar with it.

1:33  
It's part of the RGS online ecosystem where you might have come across all of those easily accessible instruments for doing special tasks like special tasks like a survey or other data entry or doing a map or sharing a map.

1:55  
And you might even have come across the Instant apps which allow in kind of pre configured way using templates to publish data and to facilitate interaction with spatial data by all kinds of users.

2:12  
Experience Builder is a bit of a higher hanging float in that sense that it allows to configure pretty much any kind of web apps you could think of in the spatial domain and beyond.

2:27  
It would not even have to be specifically map centric, but of course in our case it quite often is, and the idea of today's lecture is to just give you a bit of an idea.

2:41  
For those of you who have not yet collected experience with Experience Builder to give you some idea of what's involved and how you do that, you're still we are in the no coding realm of app development, so that means it's quite high productivity approach to doing web apps.

3:09  
With that I'd be happy to turn it over to you and maybe you or you're welcome to take another minute to introduce yourself in the way you'd be happy to be recognised by the audience, but otherwise the strain is yours.

3:26  
Please.

3:27  
Yeah.

3:27  
Thank you very much, Professor.

3:28  
So, yeah, greetings everyone from Colt and Greg Posner in Poland.

3:35  
Yeah.

3:35  
I would like to tell you something about Experience Builder, which as Professor Strobel mentioned is a part of RGS online environments.

3:47  
Yeah, shortly about me.

3:49  
So yeah, exactly I was.

3:51  
I am Geo information student at Atomiskovic University in Poznan.

3:55  
I have some connection with Salzburg University in Salzburg.

3:59  
I was an exchange student a couple years ago, two years ago and this summer I had a pleasure to take part in internship.

4:08  
Also there where I created app using experience builder.

4:13  
And about that I will say in a second.

4:15  
So what is RGS online?

4:19  
So that's I'm showing you here a bunch of icons, apps and everything that is provided by S3, well known for your probably company and yet they're providing apps, different type of apps.

4:38  
Yeah, that's the main idea behind that is to share the results of of your work.

4:44  
So you probably know Arcgis Pro is a desktop version of huge.

4:50  
I would say combine from S3 and that allows you analyse probably any kind of spatial data.

4:59  
And here we have different different smaller apps, yeah.

5:04  
And they are based cloud and online and they have different purposes.

5:10  
So you for sure know Axis Star Maps which is kind of WordPress for Geo Informatic.

5:18  
I like to say that there's also server one to three which can be named as a Google Forms for Geoinformatic as well.

5:27  
Yeah, but I would like to speak a bit more about Experience Builder that's I will come into that in a second.

5:37  
Yeah.

5:37  
So about this apps, maybe a bit more.

5:40  
So they are divided by this apps that they are made for just presenting the data.

5:46  
And we have map viewer, Map Viewer, classic.

5:49  
So our scene viewer they allows to visualize visual, visual our data, but yeah maybe very small analysis but that's it.

6:04  
But we have also the option to share this data and make them prettier, nicer.

6:13  
Well, there's this saying that one map is 1 good map is worth much more than 10,000 words or 10 pages of text.

6:25  
But it's not always the point.

6:28  
Sometimes we need a context added to your map.

6:32  
We need some information, some maybe conclusion.

6:36  
Yeah.

6:37  
And with that are coming to us like, yeah, RGS term apps or Experience Builder.

6:47  
OK yeah.

6:49  
And my favorite ones I already mentioned, yeah, are RGS Storymaps.

6:54  
Actually I started with this one and I have to say it's really nice.

7:01  
No coding needed tool that is allowing you to.

7:06  
It's mostly interested or maybe focused on the text how it will all look like.

7:14  
So yeah I'm always calling that WordPress for Geo informatic.

7:19  
It doesn't have to be map centric As for example here we have instant apps that usually are or dashboards map centric or data centric.

7:30  
They are more more focused on the text then we have server you want to free which is a tool that is collecting the data and it can be either collected by public, but it can also help you serve you as a nice way to add your data.

7:48  
I don't know, you're going in the field on field work somewhere and you're collecting your data just for yourself for your youth.

7:55  
Yeah.

7:56  
There's also another tool called Quick Capture which is similar.

8:01  
It's not about this in this presentation, but well that's my favorite tools.

8:05  
And this summer I discovered Experience Builder, which is from one side I would say game changer, but on the other side it's not always that perfect as we would like to have it.

8:21  
But yeah, let's go back into details.

8:24  
So Experience Builder, yeah, that's the definition or a summary from the Arcgis support documentation website.

8:36  
And it is a highly configurable a builder product that creates immersive web apps by combining maps, data, interactive visits with little to no coding.

8:46  
And here actually in this sentence we have whole idea behind this tool.

8:53  
So we can create app combining our maps, which is I believe the most important GIS in general.

9:03  
But also we can present so our different data like table data, images and interactive visions that it's not always easy but we will come to that in a second.

9:18  
Yeah, what's also most very important is this part about coding.

9:24  
So in general, and I will tell you also in a second about my experience when I was preparing to internship, Well, coding requires a lot of time, a lot of effort and a lot of skills.

9:40  
And if you have to or yeah, you need some results in a short period of time or you just maybe you're just maybe sure that even if you will do it yourself it won't be that great.

9:54  
That could be just using the tools that are currently possible.

9:59  
It's always a good way to find tools like this that might well help you and save you a lot of time.

10:07  
What's also very important are this template.

10:11  
So basically you can start from scratch.

10:16  
I will also show you that in a second.

10:18  
But what's very important and interesting, you can do it everything by using templates.

10:25  
Actually there are tutorials showing how to make your Experience Builder very fast, but here very important mention.

10:35  
Think yeah, Experience Builder is a bit more, well saying advanced, Maybe it's too much set, but it is indeed a bit more difficult than for example Instant Apps.

10:49  
Yeah, and behind the Instant Apps we have this idea of OK, we have data, we have map, we have, we want to have something as fast as possible.

10:58  
Here we can have both.

11:00  
So first, we can do it fast, relatively fast compared for example to building app from nothing, Yeah.

11:09  
But in the same time we can upgrade it and make it better and better.

11:14  
I mean work on that.

11:15  
Yeah.

11:16  
So we can relatively very fast have some results and that's really nice about that, Yeah.

11:23  
But in the same time we can work on that.

11:24  
We can, you know, make it better and better and or worse sometimes.

11:28  
Yeah.

11:29  
So yeah, that's very nice thing about it as well.

11:34  
Yeah, and think that actually I fell in love in Experience Builder is this drag and drop interface.

11:42  
As I said, I will come to that in a second, but in general it's really nice that well, I don't have that much coding skills.

11:51  
So for me it would be very difficult to write for example, even though I really like to dip into something and to learn something from nothing.

12:01  
It would take me months to create app that looks how I maybe not imagine, but is it close to how I imagine that?

12:11  
Yeah.

12:12  
And what's more, what's very important, experience builder is this kind of flexibility or is it called more like.

12:24  
Yeah, is it like this ability that this your widget, this your web app look different or I mean it looks good on all of the devices.

12:37  
We have this idea since few years already that mobile first yeah, so we want to show our data firstly to person phones, then on laptops.

12:49  
I don't have any specific data, but I'm pretty sure in terms of the project that I used to work, much more people will tried to search for information, yeah on their phones.

13:01  
So making an app that is looking perfectly on your windows screen but it looks, well a bit outdated on your phone wouldn't be the best idea.

13:17  
So I was also searching for two like this that is actually helping me with that.

13:22  
And I will show you also in a second that it can be, yeah, it can make miracles and yeah, the last sentence about where you can find this tool.

13:34  
So it is a part of address online environment and yeah, with your standard student license, I believe all of you have one of them.

13:45  
You can create your experience builders just now.

13:48  
OK, few words about the case study.

13:52  
So during summer I wasn't only doing my internship, but I was also working on the hostel, on the reception.

14:02  
And well we get in contact with so many people around the world and I heard a lot of well different stories And what I want to say is OK, maybe I wasn't born in Salzburg.

14:19  
I don't have probably that much experience about the city, knowledge about the city, but some practical and easy information about that I well living there I gained yeah and with masteristic that we have currently in Europe in the world.

14:41  
The problem is that we want information about everything very fast.

14:46  
We want to travel faster, we want to do everything as quick as possible.

14:50  
We are spending 1-2 days in one city and going further.

14:53  
So I had also maybe not bad experience, but I couldn't stand that some people came to Salzburg and just, I don't know, came here mixing Salzburg with Verify, for example.

15:09  
Or, I don't know, sometimes even Munich.

15:13  
Yeah, And yeah, they weren't that maybe not happy, but they didn't enjoy the city that much that is possible to do.

15:23  
Yeah, so I was.

15:26  
I started collecting ideas for my internship, started thinking what what actually could help help it.

15:35  
Yeah, of course.

15:38  
I know that I will not change the world.

15:41  
I wanted to, let's say, help my guests in my hostel.

15:47  
Yeah, and hostel that I used to work showing them quickly the quick tool that they can use to explore the city nicely.

16:00  
Yeah, And that the idea behind the salsa was created.

16:05  
And yeah, that's the main page of the app, Homepage of salsa app on web screen, Yeah.

16:15  
And that was the goals that I was, I had in my head, yeah, before I started.

16:21  
So I knew that none of us like to you know log in somewhere or I don't know search for others different like you have the link, your link and it is like something something slash something dot whatever.

16:36  
Yeah, so I wanted that will be as easy as possible.

16:39  
So no one would have to look for that.

16:42  
No one would have to pay much more effort than two clicks, 3 clicks to find an relevant and important information.

16:51  
Because I know from myself, but I also know from how people react.

16:56  
Yeah, we don't like when things are too complicated.

17:01  
The second thing that I already mentioned is this mobile friendliness.

17:04  
So, well, if we are, especially during travel, yeah, very rarely.

17:11  
We're taking our laptops, our computers, P, CS, I believe no one's taking their PC during travel.

17:19  
Yeah, we all have our phones.

17:22  
This phones are our gaze to the world.

17:24  
Yeah.

17:25  
And well, I knew that if I want to create something, it have to be kind of up directed, Yeah.

17:31  
So it have to look nice on the phone because there is not thing that is that I don't like more when I'm opening a website on my phone.

17:41  
Yeah.

17:42  
And it's totally not prepared for that.

17:44  
So it's like small letters, you have to zoom in, you have to find information somewhere.

17:48  
It's not how it should work.

17:49  
Yeah.

17:50  
And I wanted if I want to do something, it has to be, you know, good.

17:55  
The other thing is about intuitive.

17:57  
So it cannot be.

17:59  
Well, once again, too complicated.

18:03  
I know that I tend sometimes to do things.

18:06  
OK, I think it will work, but then sometimes it doesn't.

18:10  
It didn't.

18:11  
Yeah, for example.

18:13  
I don't know, it's a stupid stupid example for.

18:16  
Yeah, it's a stupid example.

18:17  
Here in Poland we have signs for toilet.

18:20  
So when it's triangle, it's a man toilet and then circle, it's a woman toilet.

18:26  
Yeah, well, I learned that abroad.

18:31  
Yeah, that it's not ever the case.

18:33  
Actually, it's probably only in Poland or like surrounding countries.

18:36  
Yeah.

18:36  
So what I want to say here is that this app has to be intuitive, and it has to be in that way intuitive that is understandable for everyone.

18:47  
Yeah, I experienced that tourists coming to Salzburg are really around from all of the world.

18:53  
Yeah, so it has to be understandable.

18:57  
Of course English is.

18:59  
I mean in this case it was relatively small project.

19:02  
English language is enough.

19:03  
Yeah, but it has to be everything understandable.

19:10  
The other thing that I wanted to pay attention is barrier free.

19:16  
So, well, there's this whole idea about colours that are well visible for everyone.

19:24  
Yeah, there's this whole idea of text, images and everything being well is this idea of description, the script, the script, the script, if I'm sorry, text?

19:39  
Yeah, of the images and so on.

19:41  
So basically the website should be useful for as much people as possible.

19:49  
Yeah, everyone should be included in that in being a group of people that the app is directed to.

19:56  
Yeah.

19:56  
So I wanted that everything will be a barrier free.

20:01  
Then the last but not least, I yeah, let's say requirement is that it will look nice, I mean.

20:09  
I really like when things that I'm doing are looking nice.

20:13  
Modern looking.

20:14  
Yeah.

20:14  
So I didn't want to create something that after I didn't know I OK, it's working, but it's a bit outdated.

20:24  
Yeah, and you may you may think now.

20:28  
Yeah, that's OK.

20:30  
I have all of this requirements.

20:32  
I found the best solution in the world.

20:36  
Experience Builder.

20:37  
Well, not really.

20:39  
And now I will tell you why is it not the case.

20:44  
So let's start maybe with layout layout second.

20:58  
I'm sorry.

21:11  
I'm really sorry.

21:12  
OK, let's go here.

21:15  
So we are logging now, and I promise to be in English.

21:25  
OK, Yeah.

21:26  
So that's the layout.

21:30  
You maybe need to go ahead and reshare.

21:33  
Oh, I'm sorry.

21:34  
I'm sorry, now should be visible, right?

21:43  
Yes.

21:44  
Here we go.

21:45  
Yeah, it's good.

21:45  
OK, yeah.

21:46  
So that's the main layout of Experience Builder.

21:50  
And yeah, what you can say, it's very similar to some online tools for creating websites.

21:58  
Yeah.

21:59  
And it's actually the idea behind that.

22:01  
It's pretty similar.

22:02  
So here in this specific case, we have a map of Europe.

22:07  
Yeah, and your experience builder doesn't have to be map centric.

22:12  
Usually it won't be.

22:14  
I mean, it really depends.

22:15  
Yeah, but in this case we have here like this, But if we will have a look here, we'll see that except the map we have so many options that we can add to our experience builder.

22:32  
So starting with obviously the map, yeah, then we have base map gallery.

22:37  
Well, some our data that we can add, well they just need base map because we have them already.

22:46  
Well, it can be features, can be points, yeah.

22:48  
So we just need a base map.

22:51  
There are different possible options.

22:56  
They can change map layers, you can, you know, modify some legend items, bookmarks.

23:03  
Which is really nice.

23:03  
For example when you have 3D view and you want to show someone this very specific well point of view on some building, for example yeah, on something.

23:18  
You can also add a well Polygon where someone can Draw Something.

23:27  
There are also the options to find a direction between specific points.

23:32  
They require some I believe credits from S3.

23:36  
Some of them and they there are also the data centric visits yeah options.

23:45  
And they are based on SQL so I believe most of you had already little experience with at least little experience with SQL.

23:55  
It's not first you need it here, but well, it will really help you.

24:00  
So you can make a list of your objects, You can make a normal table, yeah, you can filter them, You can create a query that people can, you know use it, change it.

24:13  
You can create charts based on your data.

24:15  
You can just have some information about pop ups that are showing on your map, or you can edit your data at new data or create a survey.

24:27  
There are also page elements that actually this thing is well distinguished.

24:35  
This experience builder from just a map service.

24:39  
Yeah, so when you have a map, you're visualizing that.

24:44  
Yeah, here you have the things that are making this app re app, so it's just normal text image.

24:52  
But there are also buttons that can change between sites between options.

24:55  
Yeah, they're cards.

24:57  
You can also empty something, for example the weather somewhere yeah.

25:02  
And divider that are dividing your page.

25:05  
Yeah, they're also, yeah, classical for any website like menu, visit controller.

25:11  
Or you can share your website.

25:13  
And also about layout, layout and I think it's also the case in some manner and drag and drop tools available in Internet that can create your website are layout options.

25:28  
So you can, you know lock your, let's say yeah button that will be here hidden.

25:43  
Yeah, the order to play, I like to call experience builder like a huge sandbox because you can do a lot of things with that.

25:54  
But well, it's sometimes my professor here in Poland used to set actually about a different tool.

26:04  
But I really like this saying that experience builder and in general this apps.

26:08  
Yeah, are doing exactly what you're telling them not what you want from them.

26:14  
Yeah.

26:14  
So you need to be really carefully to have a look and well check everything 1000 times.

26:20  
Yeah.

26:21  
Making sure that it's actually do what you want to do.

26:27  
Well, but what would be map?

26:30  
Wait, what?

26:32  
It would be map or yeah, an S3 app without data.

26:37  
So as I said there are different options here to actually oh I'm sorry, and your data.

26:50  
Yeah, you can add your data from arc JS online from arc JS.

26:56  
Yeah arc JS online can be feature layers, it can be maps.

27:00  
It can be also which I will show you in a second the real time results of your serve that you're doing.

27:08  
Yeah and everything that you can modify then adjust here using this options that's on the left side you're adding them on the right side you're making them looking how you want them.

27:24  
So if you put your map somewhere here, here the tools that the user and the user will see and what can use.

27:35  
So let's say they will not have, they will not have an option to zoom, but they will have an option to change base map, make it full screen and well select some points.

27:50  
Yeah, that probably our data here.

27:52  
You can also change how it's gonna look like.

27:58  
Also, one thing that I maybe not don't like, but it's a bit disappointing is that it's not that much option.

28:09  
Well, if you're creating an app yourself, you have power to do everything what you want.

28:14  
Yeah, here even though the possibilities are end almost endless.

28:19  
Yeah, sometimes you're coming to realization, OK, but I would like to have it, I don't know, red or something.

28:26  
Yeah, or I would like to have it in different font.

28:31  
Sadly it's not always possible, or at least I didn't find it yet.

28:36  
Yeah, but well, I think it's Experience Builder is a nice compromise between that we want to add something more the most basic apps that we can create with instant apps for example.

28:51  
Yeah.

28:52  
Or between this flexibility and this, you know, this ability to do it how how we want it.

29:02  
Yeah.

29:04  
And yeah, between behind an object here in this, yeah, insert widget option, there can be actions.

29:17  
So for example, it's not that you have a button, and this button serves only to be here.

29:24  
Yeah, behind this button there is specific action.

29:29  
For example, we'll set a link.

29:32  
We don't have a page currently.

29:34  
Let's create one page like page.

29:38  
Yeah.

29:39  
And for example, pressing this button, we'll move our user to second page.

29:48  
Yeah.

29:49  
So basically it really looks like a website.

29:54  
Well, that's the point of that.

29:56  
Yeah, that it will look like an app, like a website.

30:00  
So yeah, that is really a lot of things here to discover and I'm, yeah, really recommending you to do that.

30:12  
And I would like to move a bit now to these options.

30:16  
So one of the things that I mentioned that I would love to have in my app, Salsa, yeah, would be that it will look nice not on the computer, but also on my phone.

30:29  
Yeah, and actually fun of all of the tourists.

30:32  
So we have the option here to check how our, yeah, our app would look on our on different type of screens.

30:43  
Yeah, and this is actually really nice because it's not only adjusting your visits and well everything what you put on your web, web to different size sizes, but it's also giving you the opportunity to change it.

30:59  
So for example, let's go now the app that I created.

31:16  
OK, that is how it looked like on the computer.

31:20  
Yeah, on the web screen.

31:22  
But if we will make it like this, that is the view from phone.

31:33  
I know that is not perfect yet and well, I will come back to that in a second.

31:40  
But yeah, there's this option that you can actually distinguish how it should look like on phone, on tablets, even though if I think they're dying slowly but on tablets and your computers so shortly now about size up itself.

31:56  
So yeah, as I said it's it was made for tourists.

32:01  
Yeah, actually I can say bio tourists and it's giving them in like idea behind that.

32:10  
It should give the tourists like briefly introduced to Salzburg and it should show them the most important things and answer the most common questions, Frequently asked questions let's say.

32:21  
Yeah.

32:22  
So I imagined that first they would have an access to this city tours.

32:30  
So they will actually.

32:33  
Yeah.

32:34  
They will not ask.

32:35  
OK, I came here.

32:36  
I'm staying here for this 1015 hours.

32:39  
What can I say here?

32:40  
What can I see here?

32:41  
Is it something interesting to see It's.

32:45  
I know it's hurting hard of some of you, but yeah, there are people like this that are coming to Salzburg and they don't know anything about the city.

32:53  
They're just sleeping here.

32:55  
And yeah, I'm not judging them.

32:57  
I'm giving, I would like to give them opportunity to change their point of view.

33:01  
So there's this here, this let's say a small trip.

33:09  
Yeah.

33:11  
And they are here.

33:13  
The points that in my opinion, they should visit with some small descriptions.

33:24  
That's let's say the explore the city part.

33:28  
Yeah.

33:28  
There's also Explore division part with information about trains and information about, yeah, trips around the city And that's I believe the most important part for everyone.

33:45  
So I mean every, every tourist of me.

33:49  
Yeah, that time.

33:50  
So our hostel was located here in this area and the most important question when someone check in to.

33:59  
Yeah.

33:59  
In the evening was.

34:00  
OK, perfect.

34:02  
Thank you for the key.

34:02  
Thank you for everything.

34:04  
But what can I eat here now?

34:06  
Yeah, So we collected bunch of actually, yeah, it's around 200 restaurants around the city and we tagged them.

34:16  
So we have for example, Subway, Subway restaurant, Yeah.

34:24  
And it has behind that.

34:27  
We cannot see that.

34:28  
But some tags for example, it's fast food, obviously.

34:31  
Yeah.

34:32  
And it's, let's say, American food.

34:37  
Yeah.

34:41  
And in general, the idea behind that was to use filters to kind of, Yeah, filter our results.

34:52  
Yeah, we have, we have so many questions.

34:54  
OK.

34:54  
I'm vision.

34:55  
I would like to eat something proper Austrian.

34:57  
Well, it can be difficult, right.

34:59  
But maybe it is possible.

35:03  
So out of 200 restaurants, there are 22 that actually are kind of matching this criteria.

35:10  
Even though yeah, it's not that easy to find option food that is vegetarian.

35:17  
But yeah, we have here hunger Zeben.

35:20  
Yeah.

35:20  
Restaurant close to the airport.

35:22  
Yeah.

35:23  
Restaurant equals.

35:25  
OK, OK, We have some information from the website about this restaurant and we have this information down below.

35:34  
OK, Our reviewers mark this place as very expensive, so it can be another relevant information.

35:42  
OK, but maybe I don't have that much money.

35:45  
I would find something else.

35:47  
Yeah.

35:48  
So we can actually, yeah, have a look, where are we currently?

35:53  
We can search for the restaurants that are close to our well current place, where are we standing, where are we sleeping and we can also check some information about that places.

36:07  
What's very important about this filter up, I mean this map is that we created that using survey 1:00 to 3:00.

36:21  
So we created for survey not for open but for our purpose.

36:27  
Yeah for our use that is OK.

36:30  
It had this option of this filters.

36:32  
So yeah, it has this option of this filters.

36:35  
It has a field for name of the restaurant, address of the restaurant, and it was a option to mark how expensive this place is.

36:45  
And then everything was showing here in this menu is based on SQL.

36:52  
So here our reviewers, mark displays us and there is A tag price, for example.

36:58  
Yeah.

36:59  
And for example, I am putting a lucener.

37:06  
Yeah.

37:07  
And the prices are not that bad.

37:09  
Maybe it might be a good idea to go there today, right?

37:13  
Yeah, That's the eat and drink menu.

37:17  
It still needs some improvements.

37:20  
Yeah.

37:20  
I will tell you in a second about what I'm planning to do in a SEC.

37:24  
Yeah, in a few months.

37:26  
But yeah, let's switch now to take a photo option.

37:29  
So another let's say concern of people was that they would like to experience some nice places in the city where they can, well, make a nice photo on Instagram, basically, yeah.

37:44  
So we have this app, we have this menu here and we have some points.

37:50  
The bigger the pin is, the more maybe not important but but more nicer.

37:56  
Let's say in our opinion, the place is to make a photo.

38:00  
So we used Unsplash.

38:02  
By the way, I'm really recommending you to have a look on this website.

38:05  
It's giving you access to a lot of images that you can under Unsplash license use on your websites.

38:14  
Yeah, well, it's really good.

38:17  
They're really good photos there and really good option to, well, just have it on your website.

38:22  
Yeah.

38:24  
And for example, we have here in Mirabel Garden, this Pegasus Brunen, Yeah.

38:30  
We see here on this, let's say sells up mobile phone and this Pegasus.

38:38  
Yeah.

38:39  
And we have some information that it was rated once again using server one to three by our reviewers on a scale.

38:48  
One to five as a five.

38:50  
Yeah.

38:51  
And here's the outdoor hand spattled clowning.

38:57  
Yeah.

38:58  
Going back to airport hunger.

39:00  
Seven once again five.

39:02  
Yeah.

39:03  
And here we have the photo.

39:05  
So basically we can also, yeah, let's say we are in Bunhoff waiting for our train or we have a train in one hour.

39:12  
We would like to see some still see some stuff.

39:17  
Yeah.

39:17  
So we're going here on Instant Gusta, for example.

39:19  
Yeah.

39:21  
Once again we have this nice view from the yeah Capucina Costa.

39:27  
OK as I mentioned before Server 123 is one of my favorite tool in in this RGS online platform.

39:40  
Well, and as I said, it doesn't have to be used always as a for, you know, like Google Forms that people have to put their impact there.

39:51  
But you can use it as a nice tool to collect your own data.

39:56  
And.

39:57  
But here in this case, I'm actually asking people, the users, OK, you went to nice restaurant, maybe would you like to share it with other people?

40:06  
Yeah.

40:08  
So here is this point where they can share the restaurant.

40:12  
It's not, I mean it looks really similar actually.

40:15  
Yeah.

40:16  
As a service that I mentioned before, but it does a bit more like human eye friendly.

40:23  
Yeah, because the other service that I created for my purpose wasn't that nice.

40:28  
And here we are putting restaurant name, description, restaurant address, categories, yeah, some price range.

40:36  
And the website, yeah, there's a capture to avoid spam.

40:40  
The same story suggests a photo spot.

40:43  
Or just review our app and yeah, that was the sales app.

40:48  
And I will also like to go behind that to show you some mechanism there.

41:00  
Sorry, these transitions aren't the nicest.

41:18  
OK.

41:19  
So we are now in heart of salsa.

41:22  
So in this experience builder from my perspective.

41:26  
So we have, we are seeing here the pages.

41:32  
Yeah, we are seeing here all of the data that are here used.

41:39  
We can see.

41:40  
Also let's say for example we have this.

41:43  
OK, second, once again, yeah, switching to English.

41:52  
OK, sorry.

41:56  
Yeah.

41:56  
So we might have added for example this toolbar and yeah, oh wait a second.

42:04  
Oh, we have this option for example menu.

42:05  
Yeah, so we are OK setting.

42:07  
OK alignment should be like this.

42:10  
We should show the icon, close them and we can choose this icon.

42:13  
It can be images as well.

42:15  
We would like to yeah, change the background for Gray.

42:20  
And yeah, when it's chosen we would like to have it as a yellow, yeah, for example.

42:28  
So there are a bunch of options that you can adjust it more you will use it, more you will see that not everything is possible, sadly.

42:36  
Yeah, but for like, I don't know, for my, for my needs, it's really enough.

42:43  
Yeah, it the app won't be that maybe, you know it won't be like this, that you will create the app that looks one by one that you how you want it to look like.

42:54  
Yeah, but I can, I mean but it will be nice.

43:02  
Yeah.

43:02  
I would say that the yeah like a result of that will will pay you back.

43:12  
What's more about Salzar, Salzar maybe someone is interested.

43:15  
So currently because one thing that I wanted to mention also, yeah, if you will have a look when we will share this, this, this, this experience builder is that the link to that is really not the nicest.

43:35  
Yeah.

43:36  
So there are these options of shorten your URL and so on.

43:41  
But to be honest it's not the best, I mean it's not looking the most nicely.

43:48  
Yeah.

43:49  
So if you have this, I don't know dot Lee or whatever.

43:53  
Yeah I tried with creating sales app, so my own URL address, yeah based on my own domain and so on.

44:05  
So yeah it worked.

44:07  
I have to say it wasn't the easiest and in the end well, Experience Builder, at least in my license version it's not supporting that easy HTML conversation As for example story maps, because story map you can empt in your website, it's just there and well it's working perfectly here in this case.

44:28  
In case of Experience Builder, sadly they are not making it easier.

44:35  
Yeah, that is one of the miners that I will mention in a second as well.

44:38  
Yeah, but well I was playing a bit.

44:45  
I was learning how to do that, yeah, and in the in the end I well, some website providers are using special yeah like comment on HTML to insert your ad for example.

45:02  
Yeah, and I use kind of similar options, so I showed my experience builder like a huge ad.

45:09  
Yeah, on the website basically.

45:12  
It's not the nicest way to do this.

45:15  
It had a lot of bugs, a lot of glitches.

45:18  
Yeah, it didn't work properly all the time.

45:21  
So currently I'm working on, yeah different version of the of sales app, also based on map and experience builder.

45:32  
But yeah, but there's still future.

45:39  
So yeah, for now project, it's possible to open via link this awful long link, but yeah, it's not currently possible to just go to size up and experience that everything.

45:55  
Yeah, and yeah, it's actually good moments to talk about experience builder pluses and minuses.

46:07  
So as I said, it's highly configurable.

46:10  
So you can really adjust that almost as much as you want, yeah.

46:18  
So you have an idea of your in your head, you have data or maybe you don't have data yet, but you know, maybe what the data you want to collect, what the data you want to.

46:31  
Yeah.

46:32  
Have it show to the public, Yeah.

46:36  
Then you have this Yeah tool and you can, you know, show it it as I said it.

46:44  
Most of the cases it won't be 1 by 1 as you mentioned that sometimes it might be better, sometimes might be worse, yeah, but yeah it will for sure work you.

46:55  
The thing is that Experience Builder is this type of tool that's, yeah, you can either just put your data there, spend, I don't know few hours and just publish it.

47:08  
Yeah.

47:08  
Or you can spend on that months.

47:10  
Weeks.

47:11  
Yeah.

47:11  
Make it better and better adjust everything.

47:14  
Sometimes, I don't know.

47:16  
We have the saying in Poland that's a better is an enemy of good.

47:20  
Yeah.

47:20  
So sometimes you can make it too good in in meaning like it's too complicated to, you know, to sometimes sophisticated.

47:31  
Yeah.

47:32  
And not understandable to people that we should always also focus on.

47:37  
Yeah.

47:38  
But in general, yeah, there's this bunch of options that you can, you know, adjust your stuff, adjust your data and yeah, how it does it look like.

47:49  
The other very nice thing is that actually it integrates a lot of different sets of data.

47:54  
So as I showed, you can put your Survey 123 there, You can write a lot of text.

48:00  
So it's, let's say, store a map.

48:03  
Yeah, you can put your map and just display it.

48:06  
You can display a map in a real time, You can add a table, You can add really images.

48:14  
Options are endless, almost endless.

48:16  
Yeah, so that's really nice thing about it as well.

48:20  
The third thing is this responsiveness.

48:22  
So there's this idea of mobile 1st that I mentioned already before.

48:27  
Twice I believe.

48:28  
Yeah and yeah, you can make it your app not only good looking for computers but also for the phones.

48:39  
But in the same time, there's a lot of apps that currently are looking nice for phones, but when you go on a computer just you cannot find anywhere because it's, I don't know, everything big and so on.

48:50  
Yeah.

48:51  
So that's the other idea behind this experience builder that is actually focused on that this tool is not that old.

48:58  
I believe it has two years or maximal three.

49:04  
Yeah, so this idea of mobile first, but you know, with respectiveness to every, every type of device was back back then.

49:16  
Yeah.

49:16  
And still is very important.

49:18  
And I believe the most important part of that is that no coding skills or like very basic one for example this SQL are required.

49:28  
I mean if you can name SQL coding language, yeah, of course required.

49:33  
Yeah.

49:34  
And that is I believe the most important plus of it because well it's giving you a lot of options really a lot of options.

49:47  
But in the same time it doesn't have to you know think that much what's going on behind that.

49:53  
Yeah.

49:53  
So you are taking visit.

49:56  
You're putting that on your web map.

49:58  
Yeah.

49:59  
But you don't necessarily have to think, OK, but well, how did happen?

50:07  
Yeah, of course it would be actually, it might be actually nice.

50:11  
Maybe it will come in on the future.

50:12  
Yeah, that you can, you know, adjust this button in your web app.

50:18  
Yeah, a bit more than it's possible currently.

50:21  
But I believe it's a good compromise for now what we have in Experience Builder.

50:27  
Arcgis Online is offering also App Studio, where you can really from a scratch create an app.

50:33  
Yeah, but that is not my league.

50:37  
OK, now are some minuses of Experience Builder.

50:41  
So well, the tool is relatively new and it's not always fully stable.

50:46  
I experienced that that as your tool is easier, less functions and so on, it's working perfectly fine.

50:57  
But then if you want to, you know, put some, maybe not complicated but a bit more complicated than typical mechanism like, you know, two filters on the same time on the phone or how to make it, you know, Yeah, so sometimes, sadly, it didn't work properly.

51:19  
Yeah, sometimes I had a problem, for example on my browser, especially in Chrome.

51:24  
Yeah, that's when I was testing that that on my phone that it was like refreshing and then the page was lost.

51:31  
Yeah, it's this connected to thing that, well, I was testing most of the time on this, let's say not cracked but my website.

51:43  
Yeah, but the problem was also I experienced the same problem using the link directly to objects ecosystem.

51:51  
So sadly it's not always fully stable and we have to, well, we have to have it in mind.

51:59  
Yeah, let's remember that if someone is trying to search information and it's seeing OK, this website is not looking properly, it's not working properly.

52:09  
Well, I'm going to different one or well, I'm, I don't know, I will search somewhere else.

52:13  
I will ask someone, Yeah, so that's even though the content might be relevant, interesting or something.

52:22  
Yeah, if it doesn't look, it doesn't work properly, it will not help anyone.

52:30  
Yeah, second thing is hard to publish, it's what I mentioned before.

52:34  
Maybe I didn't find a right solution till now.

52:39  
Yeah, but it's really hard to publish it on a way that you would imagine that.

52:44  
So you have Experience Builder, I don't know you are connecting that with your domain and just publishing it.

52:50  
No, there is this option obviously of publishing it via this link.

52:58  
But as I said, it's a bit complicated for yeah, random person.

53:03  
You have to I know Remember that so well it is hard to publish it and they are not making it easier about this responsiveness.

53:14  
So on my phone I experience also the thing that sometimes the buttons here are very small even though I'm doing, I'm trying, I'm using this all of the options there that it will be, you know huge let's say.

53:33  
Yeah, there ended up on the phone very small.

53:36  
And here still other things are need to be done and well everything's connected here.

53:42  
Yeah, but there's a lot of little bugs and glitches.

53:45  
So you you'll spot it sooner or later that OK, you want to do that it should work like this.

53:53  
It's not that you don't know how to do it this time, but this time it should work.

53:57  
It's no other option.

53:59  
But it's not working.

54:00  
Yeah.

54:00  
So yeah, it's relatively new tool.

54:04  
It's powerful tool, It's a huge sandbox, yeah, but not everything yet is perfectly made there.

54:12  
So you might experience some inconvenience during that.

54:16  
And the set through is that if you are experiencing that, then the users for sure will, they might get lost.

54:28  
Yeah, OK, so in the end there's this question, is it worth it?

54:33  
Is it worth it to get no Experience Builder.

54:36  
So I would say it is definitely worth it to try it.

54:40  
Yeah.

54:41  
So if you're familiar with other Arc GIS tools, if you are using them on daily basis and you think that's the the goal of your.

54:55  
Yeah, well work, it's to publish something maybe in this way.

55:00  
Try it.

55:01  
It doesn't on the very beginning.

55:03  
The nice thing about it that I mentioned is that on the very beginning it doesn't require that much time.

55:10  
There are many tutorials on Internet, everything is intuitive for, I mean it looks like other programs.

55:17  
Yeah for yeah, web, web, yeah, HTML creators and so on.

55:24  
Yeah, it does look like this.

55:26  
So it's intuitive.

55:27  
You can really try it.

55:30  
It will take you a few hours, maybe few days, but you will have the 1st results and then you will see if it's worth it to continue this journey or you want to go back to instant app to create something very fast or you or just turn off Snap for you.

55:45  
Yeah.

55:47  
OK.

55:48  
Thank you for your attention.

55:49  
That's everything from me.

55:50  
If you would like to stay in touch with me and, you know, see how sal's up, hopefully till next summer will look nicer because there's a lot of things to do there.

56:02  
And then you might, you know, connect me on LinkedIn and yeah, if you have any question, I will be happy to answer them.

56:13  
Yeah.

56:14  
Thank you very much.

56:17  
And let's start with any questions anyone might have of course as usual used to chat just raise your hand Tanya was it a little bit faster right here so you go ahead.

56:33  
Good morning.

56:35  
Thank you for the presentation.

56:37  
Just wanted to your voice is pretty low I think for most so try to make sure I can hear you.

56:43  
But it either just get now can you hear me?

56:47  
Yeah, we can hear you.

56:48  
Yeah, it's good.

56:49  
OK.

56:50  
I just wanted to ask quickly.

56:51  
I don't.

56:52  
I didn't get if the app is currently published.

56:55  
You said it's hard to publish usually but I tried to find it and I couldn't.

57:00  
Just wanted to ask if it's available or not.

57:02  
Mm hmm.

57:03  
OK.

57:03  
So the app was published under the SAS app AT link.

57:08  
Yeah for a long time and currently I'm working on improving that.

57:13  
So it's not available there on this is link, there is this huge long URL link, but it's yeah, it's very complicated, you know, OK, maybe, yeah, maybe you just share it in the chat if if that's fine with you.

57:27  
I think we maybe just terminology wise should make the distinction.

57:31  
If I understand correctly, the app is published and what you had mentioned it's not accessible under the custom URL because linking the custom URL to the kind of native URL was giving you a bit of a headache.

57:49  
And as some of us have experienced, yeah that involves multiple steps.

57:54  
It depends what top level domain one is using and of course it involves security settings.

58:01  
So.

58:02  
So if you just pop it into the chat that would be great.

58:06  
And I think the kind of part of the answer to 10 years question is the distinction between publishing and using a custom U of L what you know.

58:18  
OK, Helen, hi.

58:24  
Thanks a lot.

58:25  
So the presentation was actually really interesting.

58:28  
I just had the question on on the app.

58:32  
So there was like a page that you showed maybe where we could find like food and drinks.

58:38  
Is it possible to also have like a location, like just to Orient yourself as well or.

58:46  
Yeah.

58:47  
So like, OK, it will be hard to show you, but I have huge list of things that I would like to do there.

58:54  
Yeah, there are some things that we mentioned that we talked already with professor some time ago.

58:59  
There are things that came to my mind later.

59:02  
Yeah.

59:02  
And that's one of that.

59:03  
Yeah.

59:03  
So actually it would be nice to locate yourself because you know, you're right.

59:08  
If you are coming to Salzburg, you doesn't necessarily have to know where are you.

59:12  
Yeah.

59:13  
Yeah.

59:13  
So 100%.

59:16  
Right.

59:16  
You're 100% right.

59:17  
That would be, you know, one of the next steps as well.

59:20  
So, yeah, that's, yeah.

59:23  
OK.

59:23  
But it would be possible, right.

59:25  
Hopefully.

59:26  
Yes.

59:27  
Hopefully.

59:27  
Hopefully.

59:27  
Yeah.

59:28  
OK, listen, all all about having the little blue dot.

59:32  
What?

59:34  
Yeah.

59:35  
Yeah.

59:35  
And.

59:35  
And using it as a context, like find everything within walking distance and navigate me there and all of that, right.

59:45  
Yeah.

59:46  
So again, let's invite everyone else for questions in the meantime, maybe two or three comments or questions from my side, if I understood that correctly.

59:59  
Again, going to the points of interest there.

1:00:03  
Points of interesting food.

1:00:05  
You used Server 123 to collect those, which is important because that means you have them all in a feature service and you don't have to go edit anything in the app if you want to change the content in that respect.

1:00:24  
So I think I understood that from the server 123.

1:00:27  
That's great.

1:00:28  
And you had these little icons for to showcase the different brands.

1:00:34  
Those are attachments to the point features, no?

1:00:39  
Yeah, that's the point sadly, that I have to go to, I believe, my viewer, but I'm not sure currently.

1:00:47  
Yeah, and add them manually from symbology, Yeah.

1:00:50  
So that's the if you look on this map, yeah, you probably spotted that some places are just dots, not without logos yet.

1:01:00  
Yeah or yeah, that's because not all of them have already added by me this logos.

1:01:07  
Yeah, but it's 100% what I did.

1:01:09  
It's not provided the users.

1:01:12  
The users doesn't have this option to provide a logo.

1:01:15  
Yeah.

1:01:16  
It's always this thing in mind that OK, they might be actually there's some licenses, logos, yeah, I'm sorry, that can be also.

1:01:27  
Yeah.

1:01:28  
But for this educational purposes, I well, I was very, I was a bit liberate with that, Yeah.

1:01:36  
But I know it might be also another yeah topic.

1:01:39  
So that would be of course, yeah, the follow up question would have been what what about the IPL of logos?

1:01:44  
But that's kind of not related to the experience builder.

1:01:47  
But if I understand you correctly, you currently have not yet found a way how to grab a logo and use it as a custom symbol if the logo is stored as an attachment in the Point feature service, right?

1:02:04  
Well-being.

1:02:06  
Honest.

1:02:07  
Maybe I didn't search for that yet.

1:02:12  
Yeah, in this direction.

1:02:14  
Yeah.

1:02:14  
OK.

1:02:14  
So I was just being curious.

1:02:16  
Yeah, yeah, yeah, yeah.

1:02:17  
I believe it's it's, it should be important actually, because there is an option server you want to free to add both attachments.

1:02:24  
And I believe there isn't also options.

1:02:27  
Yeah, I think it's just attachments, yeah.

1:02:29  
And well, they are saved with the feature, the table and on a feature table, so I think it should be so I think that would be the easy part.

1:02:37  
The part I'm not familiar with is whether it would be possible to make a map symbol out of an A graphic attachment.

1:02:46  
And my other question would be for the end user feedback mechanism because that's something you quite often want to to have to activate users to get feedback, to get points, stars, grading, I don't know some sub numbers and all of that.

1:03:05  
So you are using right now Server 123, which from the user's perspective is a relatively large footprint thing.

1:03:17  
Yeah, because you fire up another screen, you launch server 123.

1:03:23  
It's sort of a a pretty long loop.

1:03:26  
Did you find a way or do you think a way would be available where you can just go to a feature like these photo point suggestions, which I like because I think there would be quite a lot of interest in these and you just would say OK great, I add my thumbs up wizard plus one to this particular feature.

1:03:51  
Is it is it kind of a feedback?

1:03:52  
Is a user action is a user interaction without having to fire up server 123.

1:03:59  
So what you mentioned is actually the idea behind everything that yes.

1:04:03  
So we want to have things as easy as possible.

1:04:06  
Just yeah, Experience Builder, it's not only giving the option to, I mean use the data collected by server one to three, but there is also this option to display the server one to three there on the web app.

1:04:24  
Web server app.

1:04:25  
Yeah, so basically for the user, user maybe will not even know that it's using server one to three because it's one, you know, site on this website.

1:04:36  
Yeah.

1:04:37  
And it just, you know filling up the fields, yeah there just there and yeah just pressing submit and that's it.

1:04:50  
If you do it that way, would you expect some noticeable penalty in terms of responsiveness, so responsiveness, in terms of how fast it interacts?

1:05:04  
Because there is still some loading in the background happening, right?

1:05:08  
That's the point.

1:05:10  
In general, that thing about, yes, server one to three included there, but also the filters, options, so the visits that are provided by them is that on a phone Doesn't look perfect, It's small, usually it's very small, yeah.

1:05:25  
And yeah, one of my ideas was to make it maybe outside of server one to three in general this Arcgis environment.

1:05:34  
Yeah, because as you spotted all I'm trying to make it a bit outside of Experience Builder currently.

1:05:42  
So you know, use it, yeah, different tools and so on.

1:05:45  
So they are actually tools doesn't necessarily connect it to RGS online and that could work.

1:05:53  
But in the other hand then they're not related to the map and all of this nice features.

1:05:59  
Yeah.

1:05:59  
So yeah, no, I was thinking along the lines of, mm hmm.

1:06:03  
There is for instance some of the instant Apps or some if you do it with a simple map, you can do some user input as well, a location based user input without using server 123.

1:06:16  
But whether that would be sufficient here, I don't know.

1:06:19  
OK.

1:06:19  
Helen, hi.

1:06:23  
Thanks again.

1:06:24  
So I because you mentioned one thing that you also wanted to make the app intuitive and then I just had an idea that like more of a suggestion for the future that maybe instead of having you know the the the options which say like very cheap, cheap, very expensive.

1:06:42  
Because that's something which is rather more subjective.

1:06:45  
And if you're gonna create this for like not just students, right, but like for a larger group of tourists, then maybe to have like that, you know, like an average price like this restaurant then maybe 10 to €15 for a meal and you know, 20 to €30.

1:07:01  
And maybe that's something that could just, it shouldn't be that much difficult to implement, right.

1:07:09  
Just something for for like a future suggestion to kind of look, look more into it.

1:07:15  
Yeah, I mean 100%, right.

1:07:17  
Well, I mentioned that I would like to have it, you know, how to say, kind of accessible for everyone and, you know.

1:07:25  
Yeah, so you're 100% right.

1:07:28  
Yeah.

1:07:28  
For me, student from Poland, €10 for burger is not the same expensive or cheap As for, I don't know, someone else.

1:07:36  
Yeah, for example.

1:07:37  
Yeah.

1:07:38  
So yeah, 100% right.

1:07:41  
And that's the perfect idea.

1:07:45  
What professor mentioned that we should have not only, like, from our perspective, what we want to have.

1:07:51  
Yeah.

1:07:52  
But also the user feedback.

1:07:55  
Yeah.

1:07:56  
So yeah, thank you.

1:08:00  
And at the same time, it's one of the perfect examples that of course you want to avoid getting yourself sued by anyone who might not be happy the way you represent it, whether that's an average twice, which might be hard with weighting and categorizing, or just having these usual 123 euro or dollar symbols on the interface.

1:08:28  
Either way, it's it's one of whenever you go for a general public, it's one of the issues I would not have a good answer to at all.

1:08:37  
But OK.

1:08:39  
So I think we are through questions.

1:08:43  
I don't see any further in the chat or waist hands.

1:08:46  
So let me just say a quick thank you on behalf of the audience, I believe as a practical introduction with quite a lot of yeah thoughts based on your personal experience with this environment.

1:09:04  
It's extremely valuable and it's good for everyone who hasn't yet, not yet had the opportunity to explore the experience builder as a development environment, I think it's valuable to either get going to a running start to a quick start or to prioritize whether you want to look into that for any future project.

1:09:29  
So again, thanks a lot.

1:09:32  
We hope that sites up AT will end up being back on a custom URL.

1:09:39  
Hope that works.

1:09:41  
I'm aware that the AT domain which is clearly the relevant one in this context if and actually it's administered by the domain administration company who are based in technoset in Salzburg, so you might or might not be aware of that.

1:10:04  
So if you would need any any assistance which is related to the DNS provider, there would be some people around here who could maybe provide a shortcut if that's the issue.

1:10:18  
But of course, you need to link it into the app as such.

1:10:22  
And that's, that's the part on the Experience Builder side.

1:10:26  
So good luck with that and look forward to meeting you again inside work sometime soon.

1:10:31  
Again, yeah.

1:10:33  
Thank you for everyone for attention.

1:10:35  
That was, Yeah.

1:10:36  
My first time ever holding a speech in English like this.

1:10:40  
So, yeah, thank you for your attention and understanding from my mistakes and so on.

1:10:49  
So then, goodbye everyone.