**Name:** Files\\Group 1 - University Life\\Participant 01 - Interview

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Timespan** | **Content** | **Themes** |
| 1 | 0:01.0 - 0:12.0 | There we go, and we are recording. First of all, can you tell me a bit about yourself; I know you are doing your PhD... |  |
| 2 | 0:12.0 - 0:39.0 | Yes, I am err, doing my PhD. I spent 30 years working in telecommunications both here and in the United States. I lived in California for 16 years, and then decided that telecom wasn’t my thing, or anymore and wanted a change in direction so came and did my Masters last year. |  |
| 3 | 0:39.0 - 0:42.0 | So you have just started your PhD? |  |
| 4 | 0:42.0 - 0:56.0 | Yes, I have just started my PhD, yes. As a consequence of doing my Masters, my supervisor for my Masters dissertation said “What you doing for the next 3 years?”. Nothing as it turns out, so here I am. |  |
| 5 | 0:56.0 - 0:58.0 | So what's your topic area? |  |
| 6 | 0:58.0 - 1:07.0 | It's avanced smart grid, so it'a the trandformation of the electricty network. It's getting quite topical |  |
| 7 | 1:07.0 - 1:13.0 | Hmm, okay. That’s not something I have a massive knowledge of, but it’s an interesting area. |  |
| 8 | 1:13.0 - 1:20.0 | Right, yeah., It’s a lot of technology, a lot of Policy and a lot of Who-har about smart meters at the moment |  |
| 9 | 1:20.0 - 1:25.0 | Right, yeah, In Sociology I’ve seen a few debates on that. |  |
| 10 | 1:25.0 - 1:33.0 | There is a big film just come out with all sorts of ‘ooh’ it’s a terrible thing, but there you go. |  |
| 11 | 1:33.0 - 1:48.0 | Well that’s an interesting topic area. So, but just onto the interview questions. That just gives me an overview of the type of people, so I can compare. What sorts of type of digital map have you used? |  |
| 12 | 1:48.0 - 2:21.0 | Um, Sat-Nav. Um, so I’ve got one in my car. I have had one for a number fo years, even before it wasn’t fixed but now it’s built in. I’ve got the usual apps on my iPad and on my phone, so Google maps and um, and Apple maps. I’ve also got the OS maps on my iPad, so I’ll use land ranger and explorer on my iPad aswell. |  |
| 13 | 2:21.0 - 2:24.0 | Okay, and do you use that just for driving mostly, or do you...? |  |
| 14 | 2:24.0 - 2:42.0 | No, I’ve used it for all sorts really. I mean obviously the OS maps I use for more figuring out footpaths or cycleways or just general interest really in maps. Um, but obviously sat-nav for finding my way around. |  |
| 15 | 2:42.0 - 2:43.0 | While driving? |  |
| 16 | 2:43.0 - 2:44.0 | Uh-hum. Yep. |  |
| 17 | 2:44.0 - 2:49.0 | Out of those, do have any different preferences for certain maps at different times or activities? |  |
| 18 | 2:49.0 - 3:12.0 | Yeah. Absolutely. I don’t like using the sort of, mobile, sorry, the um, smart device, apps for navigation, because I don’t think they are fit for purpose really for that. They are a bit, um, they tend to glitch a bit too much, you know, when you’re driving along. |  |
| 19 | 3:12.0 - 3:14.0 | Okay, so is it just the buffering speed or is it the...? |  |
| 20 | 3:14.0 - 3:16.0 | It’s just the fact that they seem to lose their way. |  |
| 21 | 3:16.0 - 3:17.0 | Okay |  |
| 22 | 3:17.0 - 3:28.0 | Um, rather more than I would like, whereas I like the solid...I used the TomTom for a couple of years, and then I moved on to the in-car system. |  |
| 23 | 3:28.0 - 3:32.0 | Okay, and when you say you look at footpaths, do you go walking, or...? |  |
| 24 | 3:32.0 - 3:35.0 | Yeah, yeah. |  |
| 25 | 3:35.0 - 3:36.0 | Which maps do you use when you’re walking? |  |
| 26 | 3:36.0 - 3:37.0 | The OS. |  |
| 27 | 3:37.0 - 3:38.0 | The OS maps? |  |
| 28 | 3:38.0 - 3:48.0 | OS maps, unless I’m in town, and then the first time I actually used the um, the Google map walking directions a couple of weeks ago? |  |
| 29 | 3:48.0 - 3:49.0 | Okay, and how did that go? |  |
| 30 | 3:49.0 - 3:51.0 | It couldn’t keep up with me |  |
| 31 | 3:51.0 - 3:52.0 | Okay, it just couldn’t keep up? |  |
| 32 | 3:52.0 - 3:59.0 | ..and had me pointing in the wrong direction at various points, so you still have to have a pretty good sense of direction otherwise you wouldn’t end up where it says. |  |
| 33 | 3:59.0 - 4:02.0 | So, as you say, it’s not fit for purpose? |  |
| 34 | 4:02.0 - 4:06.0 | Yeah. It seems to be usually about 90 degrees off. |  |
| 35 | 4:06.0 - 4:10.0 | Okay, so that’s quite a way off. |  |
| 36 | 4:10.0 - 4:21.0 | Well, generally, with the iPhone I find the compass is usually pretty pathetic. You stand there doing this a lot [gestures to signify moving the phone around, face-up in a horizontally circular motion] trying to get it to sync up with the satellites. |  |
| 37 | 4:21.0 - 4:34.0 | Okay, so you’re using it when, um, walking. But in terms of other activities, do you ever use them at any other time apart from driving and walking? |  |
| 38 | 4:34.0 - 5:05.0 | Um, yeah, I mean, I’ve used the OS map just to have a look at sort of where I am, I suppose to get a sense of place in a way. Because I lived, I actually came from Barnsley, and I moved away for 30 years and I just came back. You know a lot has changed, so it’s um, and also my interests have changed. So I have an interest in looking at the maps and figuring out where things are and, you know, where things used to be and all that kind of stuff, yeah. |  |
| 39 | 5:05.0 - 5:07.0 | So, the different historical layers? |  |
| 40 | 5:07.0 - 5:29.0 | Yeah, if you like. I have a general interest, I guess it sounds a bit um, a bit sort of, buzzwordy, I have a general interest in place because, like I say, having been away, and you know coming back to the local community - even living in the house I grew up in, it’s interesting having that sense of it really. |  |
| 41 | 5:29.0 - 5:38.0 | So, a sort of emotive sense of...Okay. Do you ever find yourself, have you ever looked at a map of the past of a place you have known... |  |
| 42 | 5:38.0 - 5:39.0 | Yeah. |  |
| 43 | 5:39.0 - 5:40.0 | Yeah? |  |
| 44 | 5:40.0 - 5:41.0 | Yeah. |  |
| 45 | 5:41.0 - 5:43.0 | Have you got any examples of... |  |
| 46 | 5:43.0 - 5:59.0 | Well, I’m a sort of...well, I’m into railways, so it’s interesting to see how railway lines particularly have disappeared and that sort of thing, so probably those are things that I’ve looked at most. |  |
| 47 | 5:59.0 - 6:01.0 | Okay, was it the 1970’s where there was the... |  |
| 48 | 6:01.0 - 6:24.0 | Yeah, yeah. So, I had definitely looked at them in that context, and also I think Google a while ago, it was on, I think, Google Earth released a bunch of stuff from the 60’s and 50’s, so you could look at the sat image of how it was then and now kind of thing. |  |
| 49 | 6:24.0 - 6:26.0 | So that was a kind of interesting comparison over time? |  |
| 50 | 6:26.0 - 6:51.0 | So, yeah, so it was interesting. That was, that came out while I was in California, so although I’d lived there, and lived where I lived for about 10 years, I certainly had no sense of the history of the place, and of course the cycles are much shorter if you like, over there. So it was quite informative to look back, you know, 40 years and see when there was absolutely nothing, and now there’s 3 million people or something. |  |
| 51 | 6:51.0 - 7:19.0 | [Nodding to agree] It’s huge. Well that will be, that’s an interesting use for maps that. It’s different to my own personal use aswell, and I find it interesting that people use maps in different ways. But, um, just going back to one of the questions, in terms of, as a student, do you use them around the University, or to help you sort of, get around really in your everyday student life? |  |
| 52 | 7:19.0 - 7:45.0 | Yeah, yeah. One of the first things I did when I came here last year, was to get the PDF of a site map on my iPad, so I had a digital, even though I’ve still got the paper copy in my bag [Points to bag], I just found it handy to have on my iPad aswell, so if I was looking at something else I could just fold it up, and I’ve got the iSheffield app on my iPhone and Ipad aswell. |  |
| 53 | 7:45.0 - 7:47.0 | So did you use that mostly when you were a new student and you were just trying to...? |  |
| 54 | 7:47.0 - 7:49.0 | Yeah, yeah. I think so, yeah. |  |
| 55 | 7:49.0 - 7:51.0 | Okay, so do you , you don’t use them as much anymore? |  |
| 56 | 7:51.0 - 7:52.0 | No. |  |
| 57 | 7:52.0 - 7:53.0 | Okay |  |
| 58 | 7:53.0 - 7:56.0 | No. I know my way around now pretty much. |  |
| 59 | 7:56.0 - 7:57.0 | So it was just for orientation to start with? |  |
| 60 | 7:57.0 - 8:00.0 | Yeah, yeah, it was useful for that yeah, so... |  |
| 61 | 8:00.0 - 8:13.0 | That’s good. Um..I mean, really, when you’re using maps, and you’ve got other activities, say for example, you’re walking, how do they fit in with that generally? How do you use them in that process? |  |
| 62 | 8:13.0 - 8:16.0 | Just not to get lost, I suppose, really [laughs] |  |
| 63 | 8:16.0 - 8:20.0 | I mean, do you use them before you go, or whilst you’re there, or... |  |
| 64 | 8:20.0 - 9:06.0 | Um, both, so I’ll plan, you know, obviously, if it’s not somewhere I’ve been before I’ll figure out where I’m going to go. I used the new stretch of the trans-Pennine a few weeks ago and I had to cycle up a bit of it, so, I obviously got the map out on the OS map actually, and figured out, kind of where I needed to go. But what I didn’t do, I didn’t take it with me for some reason. I just decided it was a bad idea putting the iPad in, on the bike, so I printed it out, and I wish I’d taken it out with me actually, because I got lost. And it would have been really handy to just pull out and go, okay - where am I [gestures as though tapping on an iPad] |  |
| 65 | 9:06.0 - 9:07.0 | So was that a print-out of a digital map? |  |
| 66 | 9:07.0 - 9:09.0 | Yeah, it was. |  |
| 67 | 9:09.0 - 9:14.0 | That’s an interesting one aswell, the way people use it that way. |  |
| 68 | 9:14.0 - 9:18.0 | Right, yeah. It was a print-out of one of the OS maps |  |
| 69 | 9:18.0 - 9:24.0 | Um, I mean, in terms of, because you said riding you bike, do you normally do that awell as walking, or... |  |
| 70 | 9:24.0 - 9:27.0 | Yeah. |  |
| 71 | 9:27.0 - 9:34.0 | Okay, so do you, I mean, when you’re riding your bike, how does that work if you, I mean you say you used a paper-map, did you have to stop? |  |
| 72 | 9:34.0 - 9:37.0 | Yeah. |  |
| 73 | 9:37.0 - 9:39.0 | And do you use a digital map normally when you ride a bike? |  |
| 74 | 9:39.0 - 9:45.0 | No. Normally I just know where I am going, because I sort of rehash the same routes. |  |
| 75 | 9:45.0 - 9:46.0 | Okay. |  |
| 76 | 9:46.0 - 10:00.0 | Interesting though, one of the apps I that I’ve, um, downloaded about a month ago and I’ve been using is something called Moves. It tracks your steps, because that’s what it’s designed for. It’s a fitness, healthy... |  |

|  |  |  |  |
| --- | --- | --- | --- |
| 77 | 10:00.0 - 10:02.0 | Like a pedometer? |  |
| 78 | 10:02.0 - 10:05.0 | Yeah, it’s a pedometer, but what it also does, it maps you as you do it. |  |
| 79 | 10:05.0 - 10:06.0 | Okay. |  |
| 80 | 10:06.0 - 10:16.0 | So you can actually look back and see where you’ve been and at the same time it can do it in real-time and show you where you are. So yeah, it has a dual functionality really. |  |
| 81 | 10:16.0 - 10:17.0 | Okay. |  |
| 82 | 10:17.0 - 10:21.0 | I haven’t really used it for that, but it’s interesting to see how that technology is...[gestures with hands to signify rolling on, progressing] |  |
| 83 | 10:21.0 - 10:28.0 | And how have you used that differently to the original use? If the original use is for a fitness... |  |
| 84 | 10:28.0 - 10:53.0 | Um, I just find it interesting. I don’t know. It’s one of those things I sort of thought, it’s got this functionality where it shows me where I’ve been, you know. I don’t know why, yeah. It was just sort of interesting to see that laid out in a day, yeah. Especially when I’ve been busy badgering here there and everywhere, I suppose it makes you think, do I really need to make all those journeys, you know. |  |
| 85 | 10:53.0 - 10:54.0 | All the short trips? |  |
| 86 | 10:54.0 - 10:55.0 | Yeah |  |
| 87 | 10:55.0 - 10:57.0 | Okay. |  |
| 88 | 10:57.0 - 11:01.0 | But the walking is good, but the driving isn’t necessarily |  |
| 89 | 11:01.0 - 11:17.0 | But um, you know, I mean, really, do you..just thinking in terms of the wider context of, going back to University life, how important do you think digital maps are for student life in general? |  |
| 90 | 11:17.0 - 11:25.0 | Um, I think it, I use it a lot. Not, I suppose it’s not just the mapping functionality, I use a lot of TripAdvisor a lot. |  |
| 91 | 11:25.0 - 11:27.0 | Okay. |  |
| 92 | 11:27.0 - 11:48.0 | So, for me to be able to go, and we like to eat out and go out, so I’ll often be in a place that perhaps we haven’t been to before and are not particularly familiar with and just go [gestures to a a mobile device] “tell me what’s here”, and so it’s that ability to locate where you are and map out where the things that you want are, and then be able to find them pretty easily. |  |
| 93 | 11:48.0 - 11:49.0 | Straight away? |  |
| 94 | 11:49.0 - 11:50.0 | Yeah. |  |
| 95 | 11:50.0 - 11:52.0 | So is that, I mean, which map are you using when you use Trip advisor? |  |
| 96 | 11:52.0 - 11:57.0 | It has it’s own, I guess it used Google, but it’s got its own. |  |
| 97 | 11:57.0 - 11:58.0 | So you go to... |  |
| 98 | 11:58.0 - 12:03.0 | It’s in-built, so when you hit show, you know, the map, it just comes up in the app. |  |
| 99 | 12:03.0 - 12:05.0 | So is that a Trip Advisor app on the phone |  |
| 100 | 12:05.0 - 12:07.0 | Yes |  |
| 101 | 12:07.0 - 12:09.0 | Okay, yep. I haven’t used that one. |  |
| 102 | 12:09.0 - 12:13.0 | Okay, yep. We use that all the time. |  |
| 103 | 12:13.0 - 12:14.0 | Okay. |  |
| 104 | 12:14.0 - 12:21.0 | And it’s interesting how you get hooked on that, because then I’ve started reviewing all these places I’ve been now... |  |
| 105 | 12:21.0 - 12:22.0 | Okay, because you’re actually adding... |  |
| 106 | 12:22.0 - 12:27.0 | Yeah, adding to the content |  |
| 107 | 12:27.0 - 12:34.0 | Has that changed at all, the way you feel about other people’s reviews? Do you trust them more or less or the same? |  |
| 108 | 12:34.0 - 12:58.0 | Um, yeah, I guess it’s err, that’s an interesting question. It’s made me be more discerning I suppose, and not necessarily trust what I see, but rather than just looking at the last few, but if there are 20 reviews, take a sample, and don’t just look at the five that are on the front page kind of thing. |  |
| 109 | 12:58.0 - 12:59.0 | Okay. |  |
| 110 | 12:59.0 - 13:08.0 | And also be conscious of the fact that there seems to be a continual churn of management in a lot of these places. |  |
| 111 | 13:08.0 - 13:10.0 | So they change over... |  |
| 112 | 13:10.0 - 13:11.0 | Yeah. |  |
| 113 | 13:11.0 - 13:45.0 | And the reviews might help that schedule, management. Um, in terms of, that’s quite an interesting app. I’ll have to have a look at that one. So, just in terms of digital maps themselves, they’ve, err, going back to your idea of the sense of place, have you ever felt that a map, a digital map, has changed or made you feel different about a place, the sense of place has changed because of the digital map? |  |
| 114 | 13:45.0 - 14:16.0 | Err, I think so. But I guess it depends, kind of, what you mean by that. Um, I don’t like, not knowing where I am, you know. So, I find the ability to be able to quickly and easily pull a map of where I am, to be really, kind of comforting almost, |  |
| 115 | 14:16.0 - 14:18.0 | So it’s, okay, yeah |  |
| 116 | 14:18.0 - 14:37.0 | Because it actually, um, gives me a sense of, you know, where I am, where things in relation to me, how far I am from things. That kind of stuff. So, it’s, I don’t know, if it gives you a sense of security, but it definitely does alter things. |  |
| 117 | 14:37.0 - 14:42.0 | So the map itself makes you feel more secure in knowing where you are in relation to everything else? |  |
| 118 | 14:42.0 - 15:05.0 | Yeah, yeah, exactly. And that you’re not really that lost, you know. When I went to Cardiff for the first time, um, last week. For a conference. And we were walking backward and forward to the conference place, and it was about a 40 minute walk, and so I just went [Gestures as though using a mobile device] “I’m here, and I want to go there, which way do I go?” and there you are, you know. |  |
| 119 | 15:05.0 - 15:07.0 | And it just shows you the route straight way? |  |
| 120 | 15:07.0 - 15:08.0 | Yeah, exactly |  |
| 121 | 15:08.0 - 15:09.0 | Okay. |  |
| 122 | 15:09.0 - 15:13.0 | But it also shows you where you are in relation to the city centre, and... |  |
| 123 | 15:13.0 - 15:16.0 | So you can just kind of zoom in and out? |  |
| 124 | 15:16.0 - 15:22.0 | Right, yeah, absolutely. |  |
| 125 | 15:22.0 - 15:24.0 | Well, that’s good. |  |
| 126 | 15:24.0 - 15:34.0 | See, the other thing. I guess one of the other things in relation to that is that I use, um, Find my Friend, on the Apple. |  |
| 127 | 15:34.0 - 15:35.0 | Okay. |  |
| 128 | 15:35.0 - 16:03.0 | So, me and my partner, um, she’s on there, so if we’re wondering around, or she travels - she travels a lot, on the train - I can look on, even of she’s not texted me or anything, I can look on there and see where her train is. So, I can see what time, and see if she made that train, you know, and what time to pick her up from the station and that kind of stuff. And the same thing with my daughter, she’s on there, so I can figure out where she is at that moment in time. |  |
| 129 | 16:03.0 - 16:05.0 | With GPS tracking? [Joking] |  |
| 130 | 16:05.0 - 16:18.0 | [Laughs] Yes. But again, it’s just that, I don’t know, it’s, I find that type of thing very useful. I wouldn’t be the same if it wasn’t a dot on the map. |  |
| 131 | 16:18.0 - 16:26.0 | Okay, so it’s the fact that it’s actually giving you information specific to the other user, if you like. |  |
| 132 | 16:26.0 - 16:30.0 | Yeah. |  |
| 133 | 16:30.0 - 16:42.0 | That does make perfect sense. Um, just on a separate question, do you think a digital map has ever adjusted or changed the choice of site or place you visited? |  |
| 134 | 16:42.0 - 16:55.0 | I can’t, I’m sure they have, but I think if you asked me for an example right now, I think I would have trouble thinking of one, and maybe because it’s the only way I make choices these days. |  |
| 135 | 16:55.0 - 16:56.0 | So it’s... |  |
| 136 | 16:56.0 - 17:00.0 | Yeah, it’s become so intrinsic to what I do... |  |
| 137 | 17:00.0 - 17:01.0 | Okay |  |
| 138 | 17:01.0 - 17:50.0 | ..yeah, it would be really weird to go somewhere, like I say, if I know that I’m going somewhere, I’m kind of like already on Trip Advisor for example, I figure out if I could be staying there or, where are we going to stay, then decisions are made based on, yeah, absolutely. I mean, I needed to find a hotel at the weekend, again, somewhere we hadn’t been before and I just went on Kayak and said “I need hotels near this place”. I didn’t then say map them for me. Because I knew where I was going to be and I could see them in a proximity to me. |  |
| 139 | 17:50.0 - 17:54.0 | Um, yeah. So was that proximity over price, or... |  |
| 140 | 17:54.0 - 18:09.0 | Yeah, well it’s a sort of balancing act, yeah, definitely. I mean we knew exactly what the budget was, but proximity was kind of more important in that case. So that made the map very useful. |  |
| 141 | 18:09.0 - 18:11.0 | So if the hotel hadn’t been on the map... |  |
| 142 | 18:11.0 - 18:36.0 | Well, that’s, and my guess is that because, um, I pretty much know in fact the some weren’t, because we were in the little town where we were staying, although I suppose it just about qualifies as a town. We were in this town, and there were other places in this town that hadn’t been on Kayak. |  |
| 143 | 18:36.0 - 18:42.0 | So, there weren’t an interesting place to visit, or... |  |
| 144 | 18:42.0 - 18:46.0 | They just, they weren’t listed, so they were missed out, you know. |  |
| 145 | 18:46.0 - 18:47.0 | That’s fair enough. |  |
| 146 | 18:47.0 - 19:02.0 | But that’s one of the problems I think, you know, that some of these things are American based, so when you’re here in the UK, although I’ve come to rely on them in the states, you know because 98% of things are there, you know, here they’re not. |  |
| 147 | 19:02.0 - 19:09.0 | Okay, and do you find that with different contexts, I mean is it just hotels, or when you’re walking, or, you know, any other types of activities. |  |
| 148 | 19:09.0 - 19:24.0 | Yeah, some of them are, um, less capable, let’s put it that way, and because they think in a very American way sometimes, you know? |  |
| 149 | 19:24.0 - 19:25.0 | Straight lines? |  |
| 150 | 19:25.0 - 19:44.0 | [Nods] straight lines, grids, blocks, that kind of stuff, you know so it’s quite obvious sometimes - again, I can’t think of a specific example, but it is, you know, there s a subtle but quite obvious cultural difference. |  |
| 151 | 19:44.0 - 19:57.0 | Is that, because you spent a lot of time in California, you know, near Silicon Valley, where the technology is quite developed. Does that trickle across into California in general? |  |
| 152 | 19:57.0 - 20:00.0 | Uh, yeah. Yep. Yes. |  |
| 153 | 20:00.0 - 20:04.0 | Okay. Well that’s interesting, I didn’t realise there was that much of a disparity. |  |
| 154 | 20:04.0 - 20:11.0 | Yeah. There is, definitely. |  |
| 155 | 20:11.0 - 20:16.0 | Okay, maybe that’s one for me to chase up, that’s quite an interesting topic there. |  |
| 156 | 20:16.0 - 20:25.0 | And of course, the other thing that is tremendously frustrating of course, is that you’re there, you know, you’ve got your mobile phone and there is no signal - and that’s just maddening beyond belief. |  |
| 157 | 20:25.0 - 20:26.0 | In England? |  |
| 158 | 20:26.0 - 20:37.0 | In England, yeah. And it’s, that’s just pathetic as far as I’m concerned [laughs] - and I can say that, because I was in the business, so... |  |
| 159 | 20:37.0 - 20:40.0 | And, when you were in Devon, was that already for a signal aswell? |  |
| 160 | 20:40.0 - 20:43.0 | No, it was awful, abysmal [laughs]. |  |
| 161 | 20:43.0 - 20:45.0 | What was the little town called? |  |
| 162 | 20:45.0 - 20:52.0 | Um, Great Torrington |  |
| 163 | 20:52.0 - 21:34.0 | Torrington. Great Torrington. Okay. There is quite a lot of interesting points there. I mean, I’ve not used Trip Advisor or Find my Friend. That’s given me a lot to go on, but there are a few bits I just want to go back to.  When you said you printed out a map, that was quite an interesting point there. Did you, I mean, obviously you didn’t want to take your iPad, so was the option, it had to be a printed digital map rather than a paper-based map. Was there a reason for that choice or just convenience? |  |
| 164 | 21:34.0 - 22:08.0 | Um, well, it was a convenience thing. Well, a bit of both: a) I paid for the map, digitally, so these are not free maps, these are ones I have to pay for, so I don’t want to run out and then have go and buy a land ranger, you know, and so I already bought the map. The other thing, the nice thing about having it on the screen is that you can zoom it up much bigger than [gestures as though expanding a map on a touch screen device], you need a big magnifier to zoom it up, to look at a map to get that size. You can just zoom it up on an iPad and print it off whatever size you want. |  |
| 165 | 22:08.0 - 22:09.0 | And get the route exactly [gestures to fitting route in frame (the paper sheet size] |  |
| 166 | 22:09.0 - 22:25.0 | Yeah, exactly. So that’s, that’s just one factor because you can print it out on an A4 sheet, you’re not trying to do this [gestures to using a giant A1 size map], you know, unfolding it. |  |
| 167 | 22:25.0 - 22:34.0 | Okay, so it’s about dealing with the actual object as a tacit sort of thing? Having it on an A4 sheet with? |  |
| 168 | 22:34.0 - 22:36.0 | Yeah. Yeah, exactly. |  |
| 169 | 22:36.0 - 23:04.3 | Okay, well that’s pretty much given me everything I need. So thank you very much, and I’ll call that an end. |  |