

*I = interviewer; P4 = participant. Refer to DDM2020 dataset documentation for more information.*

1 I erm so yeah let's let's get started so in our  
2 email discussion you told me briefly about a a  
3 recent sustainable design project or a recent  
4 design project which has some sustainability  
5 relevance could you remind me of what the product  
6 is  
7 P4 er yeah it's a series of I can show you my screen  
8 if you want or  
9 I yeah it's helpful you can do that in within teams  
10 you can do that as well  
11 if you click on yeah  
12 P4 I don't know if you can see  
13 I not yet maybe it's coming  
14 yeah I can see that now yes  
15 P4 yeah er so erm this is a project that I did with  
16 a friend a few years ago like in two thousand and  
17 seventeen  
18 I mhm  
19 P4 as I explain here ((showing documents and  
20 sketches on screen of a furniture design  
21 project)) er the idea erm was to improve the the  
22 market product er that the competitors from the  
23 region and we sought to manufacture or we  
24 contacted manufacturers but er no one wanted to  
25 manufacture er below like a hundred products  
26 I ah  
27 P4 and we couldn't afford that so we er we designed  
28 these products to be able to manufacture  
29 ourselves  
30 I oh okay  
31 P4 yeah so that was the then like the main reason  
32 and so we developed a bending machine er and we  
33 as here we saved a lot of er of parts of the  
34 process  
35 I okay  
36 P4 manufacturing process we avoid er for each  
37 ((inaudible)) we we avoided welding grinding  
38 painting and sanding and so er we have so much so  
39 much work and we we tried to use er cheap

40 material er this iron rod and we finished with  
41 this this product er with three these three  
42 products

43 and the most well I found interesting here is  
44 these numbers er that we could that we could get  
45 and that we will use er and this can err be  
46 reused right reused even more but we we sought to  
47 er to hide all the weldings right so we have to  
48 weld but we could avoid er the grinding and  
49 sanding so we we weld er from from beneath er all  
50 the weldings are hidden and here too we welded on  
51 the back so yeah we had a lot er less surface  
52 welding er

53 I yeah

54 P4 because also we we didn't need a err a grinder we  
55 can cut with a with a manual bar cutter er I  
56 don't know if you if you if you saw the  
57 ((inaudible)) er let me open here yes so er  
58 manual bar cutter ((opens browser tab while still  
59 sharing screen and googles to show it)) yeah

60 I okay

61 P4 yeah so it's like a see-saw so er you don't need  
62 to use a grinder and erm all the benefits of this  
63 of this thing of this aspect is that er when you  
64 we reduce it the manufacturing time the supply  
65 chain didn't need as much erm welding rods erm  
66 like the welding apron er we you can extend the  
67 lifespan of the of the of the equipment right and  
68 the machine also so yes the interesting is to be  
69 able to measure this kind of stuff

70 I yep

71 P4 er okay so yeah that will be will be it for this  
72 project you have the concept inspiration here  
73 ((showing screen)) why er you like the work we  
74 were trying for this project but er yeah the idea  
75 was to to to use the the least amount of material  
76 possible

77 I yeah okay and so there wasn't a client there  
78 wasn't a brief for this project it was just  
79 something that you and your partner came up with

80 P4 yes yeah I'm from Argentina and I'm now currently  
81 in Italy but Argentina doesn't okay so design  
82 haha industrial design or product design er is  
83 usually needed er to to so ((name)) the your  
84 brother and I

85 okay I stop my sharing my screen

86                   okay to improve your your current product erm  
87                   yeah and gain some some market but in Argentina  
88                   you don't have much competitors the industry it's  
89                   quite simple so er there usually industrial  
90                   designers er design and manufacture

91    I               right

92    P4             themselves because er the furniture is easy to  
93                   manufacture

94    I               okay so you have a workshop there or you had a  
95                   workshop where you did the

96    P4             yeah usually I did I manufactured this product  
97                   like one year and then I move er and stopped  
98                   manufacturing and now I'm in Italy so yeah and  
99                   haha

100   I              okay and erm and so what was your role in the  
101                   design were you you and your partner are both  
102                   designers that you work together or

103   P4             er we are both designers and yeah that particular  
104                   project I'm er interested in sustainable design

105   I               uhu

106   P4             since a few years er and he just helped me to to  
107                   manufacture

108   I               okay

109   P4             yeah er he studied a few years industrial design  
110                   and left the career er yeah he helped me to  
111                   develop the whole product line

112   I               okay

113                   erm so this might get a little bit more difficult  
114                   but could you tell me about some of the design  
115                   decisions that you had to make when you were  
116                   designing this product or these products

117   P4             yes er so I wanted to ask you the other day about  
118                   the questions but I I want to ask you something  
119                   first to you so you are making this research of  
120                   sustainable about sustainable design

121   I               yes

122   P4             and I wanted to know er why

123   I               why haha

124   P4             haha then I can understand er what might be  
125                   important

126   I               so I originally studied design a long time ago  
127                   but I didn't I was always interested in

128 sustainability and I didn't like just to put more  
129 things into the world so instead I developed a  
130 career in erm working on sustainability and  
131 supply chains I worked in West Africa in India  
132 and I focused on certifications and manufacturing  
133 working conditions and sustainability impacts of  
134 the manufacturing and then I also worked on  
135 procurement so how do you sustainable procurement  
136 how do you influence the products and by the way  
137 you set criteria when you're buying them for a  
138 big organisation and then I wanted to get back to  
139 the design end and to understand what influence  
140 you can actually have over a product when you're  
141 designing it obviously there's so many other  
142 people involved that the factors involved but I'm  
143 interested to understand what what is happening  
144 at the design stage what how are designers making  
145 these decisions about whether to go with a more  
146 sustainable or a less sustainable option and what  
147 things are influencing that what factors are  
148 limiting that or or helping that so I'm I'm  
149 interested in you know I've looked at it from so  
150 many angles and I'm interested in getting back to  
151 now understanding what designers are able to do  
152 and and what they're not able to do and and why  
153 in different contexts does that make sense

154 P4 yeah a lot of sense and yes so we have a lot of  
155 er responsibility er when we design a product er  
156 many designer don't think about it

157 I yeah

158 P4 ((inaudible)) it isn't relevant at the moment  
159 because er we have bigger problems

160 I yes yes

161 P4 we have bigger problems so now no one is  
162 interested in sustainability that's why I'm  
163 travelling to here to Europe to work how does the  
164 sector work in this area so I see sustainable  
165 design as yeah if you if you I I'm I'm sure that  
166 you know that it has three main pillars the  
167 social or human aspect the economic aspect and  
168 the environmental so it's like a ((inaudible))  
169 for the linear economy right and now I'm studying  
170 about er circular design

171 I yeah

172 P4 that is basically sustainable design within a erm  
173 circular economy

174 I mhm

175 P4 so when I say that it's about is you do what you  
176 can to improve er all all these things or you  
177 play with with certain things er so to diminish  
178 er okay so the current er industry is user  
179 centred

180 I mhm

181 P4 the design so many designers talk about that

182 I yeah

183 P4 er forget about the environmental aspect and  
184 focusing on the human and economic aspect led us  
185 here right so the problems that we that we have  
186 now

187 I yeah

188 P4 um so when I talk about sustainable design or  
189 when I think about sustainable design it's er  
190 that to add that one that environmental aspect to  
191 the product so in this case and these er  
192 furniture was er like an exercise of designing er  
193 from the what if we don't use certain process  
194 right so we we didn't want er to weld it's like  
195 er playing for a while at the beginning right you  
196 the thinking approach or the design process

197 I mhm

198 P4 and er and at the beginning you know you make a  
199 research and you establish certain challenges so  
200 er we took the liberty of thinking what if we  
201 don't weld what if we er we don't use the the  
202 common material play ((inaudible)) and played and  
203 found something that we like err but

204 I so how did you

205 P4 yeah so there are two main two main decisions  
206 there

207 I yep

208 P4 er try to make something different so the  
209 ((inaudible)) or the the usual processes this one  
210 weld and to join the material like so what if we  
211 can make er ues one material so and avoid the  
212 welders err you weld to join two parts what if  
213 you don't have to join that two parts er so yeah  
214 that would be one decision what if we can erm  
215 question the the this this this methodology of  
216 questioning every everything er exploring every  
217 possibility of course that when you make a  
218 project for yourself you have unlimited time er  
219 it can be messy too but yeah it's usually for any  
220 project er know your the the schedule know at

221                    what part how much time do you have to explore  
222                    and you finalise the problem well or the  
223                    challenges er know how much time to do you have  
224                    to play and with which things you can play erm  
225                    and then explore and take a decision

226    I                mhm

227    P4               on what you found and that will be one and the  
228                    other will be I forgot haha erm yeah I forgot

229    I                okay so I guess which what decision related to  
230                    this product do you think was the most important  
231                    for sustainability

232    P4               erm for this for this product we we had a  
233                    rational approach so it was the the decision to  
234                    avoid you saying the yeah so diminsh the use of  
235                    of welding and try to make a product modular

236    I                right

237    P4               from the manufacturer er from manufacturing  
238                    aspect and

239    I                mhm

240    P4               yeah that's replacing the the the welding on the  
241                    joins er for the bending same material so yeah we  
242                    tried to not com not to compromise the  
243                    functionality or the the structural aspect and  
244                    and at the same time diminishing the  
245                    manufacturing costs and steps

246    I                mhm

247    P4               so that should be haha these kind of question  
248                    that appears on the page two that we I can I can  
249                    share you again my screen but

250    I                I can look I have another screen where I opened  
251                    it so I can see it

252    P4               haha yeah okay so this page er we made the  
253                    research we established er the our market er had  
254                    simple manufacturing technologies a lot of  
255                    manufacturing operations that the products were  
256                    ((inaudible)) oversighted structurally  
257                    oversighted so we sought to simplify that and we  
258                    ask these kind of questions what if we use  
259                    another material er avoid the ((inaudible)) of  
260                    certain processes so later er one year later I  
261                    explored ah a more sustainable approach on this  
262                    so

263    I                okay

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264 P4 yeah er I I don't I have a pdf but it sucks  
265 because I I lost my computer there so yeah but  
266 the main idea was to er here ((pointing using  
267 mouse on screen)) you you have the structure  
268 welded er together right

269 I mhm

270 P4 er the you only have to screw the the wooden lids  
271 so the next logical or sustainability yeah yeah  
272 the next logical step in a sustainability  
273 approach will be to er make a product that can be  
274 disassembled

275 I mmm

276 P4 so what if the the we eliminate all the welding  
277 erm the welding joins and er this product is er  
278 silver and it's painted right er it has coated er  
279 powder coating

280 I uhu

281 P4 so what if we don't have to paint the material  
282 and we have always the spray gun the paint the  
283 equipment and the steps and of course being able  
284 to to recycle the material later on so what if we  
285 use er aluminium rod that you have to paint the  
286 aluminium you can keep it natural and we er we  
287 join the the we solve the joins with some kind of  
288 a metal plate or

289 I mhm

290 P4 I haven't solved it properly yet so that er I  
291 didn't like the the solution but that would be  
292 the next step to to make something that you can  
293 assemble and disassemble and so you will have err  
294 two it's one part repeated right so you have this  
295 part that is the same so you have rotate that  
296 done and the product will be er the packaging  
297 will okay so one product packaging will wear ah  
298 how haha you diminish the packaging volume so if  
299 you are able to disassemble this so the user the  
300 user will have to will have to assemble the  
301 product

302 I yeah

303 P4 and we should so did that assembling er in as  
304 simple a way possible right

305 I mhm

306 P4 that will be the next step I think to avoid the  
307 painting to keep er trimming or simplifying the  
308 the manufacturing process and to er diminish the  
309 shipping costs and the and yeah if you don't weld

310                   you don't need the work the equipment the goggles  
311                   the vision goggles the welding apron so

312    I               right yeah

313    P4             yeah it's so almost like rational design right  
314                   there nice rationalism of the of the german yeah  
315                   german on the eighties or so we have a yeah we  
316                   our our how can I say erm yeah they teach us or  
317                   our models hmm our university uses the same  
318                   programme as the er as the german or bauhaus or  
319                   ((inaudible)) er programme so we we learn  
320                   rational design

321    I               okay

322    P4             so that er always leads us to so a rational  
323                   approach and a sustainable er approach we have  
324                   simple technologies or we have er new  
325                   technologies right and we have ((inaudible)) and  
326                   three d printing but are quite expensive so we  
327                   try to design with simple technologies and that  
328                   like narrowing the the design with those elements  
329                   it's useful to solve to explore or to yes to  
330                   explore further those technologies or they say  
331                   that er if you narrow or if you play with fewer  
332                   er parts or components or you tend to increase  
333                   creativity right so you find and keep exploring  
334                   and finding er original solutions or better  
335                   solutions er I think that that they say that  
336                   about the Japanese too they perfection perfect  
337                   perfected their designs over hundreds of years

338    I               uhu

339    P4             so I like a lot they use er in carpentry they use  
340                   er as less material as possible er have improved  
341                   their designs a lot

342    I               and so yeah what what does this so this rational  
343                   approach that you take erm and and limiting the  
344                   possibilities what what does this what does the  
345                   process look like what design process do you  
346                   follow to do this

347    P4             hmm erm so so let me think so it looks like errr  
348                   if I have to if I have to show something similar  
349                   to that it's it's like a let me open this I don't  
350                   know of this is the word like a map errr okay let  
351                   me show this okay so

352                   ((doorbell goes))

353    I               okay someone's just rang my doorbell I'm sorry  
354                   it's just a parcel that's quite important

355    P4             oh



356 I I just need to run for one moment I'll be very  
357 quick

358 P4 yeah no problem

359 ((interviewer leaves to get the door then  
360 returns))

361 I sorry about that I was hoping it wasn't gonna  
362 happen during the interview

363 P4 no problem

364 I so the process

365 P4 yeah erm so I think that errr it's you know  
366 ((doorbell goes okay now  
367 ((both laughing))

368 P4 okay give me a second ((laughing))

369 ((P4 answers his door, we hear talking in  
370 Italian))

371 P4 okay okay I'm back

372 I okay haha

373 P4 I was not expecting that okay yeah so ah the  
374 design thinking approach that everybody talks  
375 right

376 I yeah

377 P4 so it's all about err actually I er I like to  
378 test methodologies and I'm adding this like a  
379 play yeah I allowed me to play within this this  
380 this phase so you have to define certain things  
381 right so you have to like this kind of approach  
382 er for each aspect so you have the environmental  
383 aspect th economic and social and you explore all  
384 these kind of process you you you begin to ask  
385 questions and you make like like a tree there um  
386 I don't know how to say ((pointing on screen to a  
387 spider diagram)) but you keep adding like  
388 branches

389 I yeah

390 P4 and yeah you try to find err you try to find err  
391 a branch that balances all the all the aspects er  
392 so I think that it's just asking questions I  
393 don't know ah that's the hard thing about design  
394 or yeah that you have to make it and to to to  
395 it's like okay so I like to explain I like to  
396 explain er just industrial design graphic design  
397 as a language so you have to or or learning an  
398 instrument so you have to do it to learn how to

399 do it you have the theory and you have to then  
400 you have to play and explore and and and learn  
401 how to so I think that this phase the the the  
402 strategy phase is the most relevant for all the  
403 products so because it's the one that lets err  
404 it's the one where you take the decisions and  
405 then you can solve it anyone could solve the  
406 technical aspects erm

407 I yeah

408 P4 but yeah it's this thinking part so it's I don't  
409 know if if that helps I think that it's just keep  
410 asking questions and the more time you have to  
411 ask questions er the better will be will be the  
412 result erm

413 I yep and then if you if you have so many ideas and  
414 different concepts how do you decide which one to  
415 take forward

416 P4 erm okay so you make like a diversion er phase  
417 and then converge

418 I mhm

419 P4 so you converge

420 I yep

421 P4 if you had that I like about the sharing the  
422 screen again but yeah that's usually the hard  
423 part

424 I yeah

425 P4 err that's why I like to I'm working with this  
426 process of defining okay so it depends on each  
427 business or each er company what they're looking  
428 for so you work within that er framework

429 I yeah

430 P4 and you have to set or establish the challenges  
431 for the company has and the challenges that you  
432 want to er to solve with this with this project  
433 so you have like long term challenges and short  
434 term challenges and long term goals and short  
435 term goals

436 I yep

437 P4 so that allows you to to measure and to guide and  
438 to narrow the process so you when you have to  
439 converge you trim the branches with these with  
440 these attributes or these goals that you have to  
441 make so you have the I don't know if there okay  
442 so you have the er the challenges on one side and

443 the goals on the other side and what you explore  
444 in the in the middle are like all these branches  
445 and you hope that one connects er with the other  
446 side or maybe you have I don't know three  
447 challenges and three goals and it's hard that one  
448 branch or one concept er solves all these er yeah  
449 gives like an answer so the three challenges and  
450 the three goals erm

451 I and do you do you write this down or is this in  
452 your mind or is this some kind of tool that  
453 you're using or

454 P4 I think many that's err okay so I think that  
455 everybody can er design and make this process and  
456 that's why they came thinking it's more er  
457 relevant nowadays because we've got a democrat  
458 democrat democratises the the design process err  
459 some people say that designers are like born this  
460 way right you have to or you need some a few  
461 attributes like curiosity and er being like  
462 obsessive with er with exploring right you you  
463 need to you have to curiosity and you need to see  
464 the processes as a cir circle or cycle

465 I mhm

466 P4 or the design approach er can be natural when you  
467 try something you fail you evaluate why you fail  
468 and you start over

469 I yep

470 P4 so err I think er that yeah you have to write  
471 that down because you can forget about it

472 I right

473 P4 so write everything and then you have to curate  
474 what you what you thought but based on these err  
475 key words or main ideas or challenges and those

476 I okay yep

477 P4 you can get lost many designers don't er know how  
478 there this works or don't know how to explain  
479 design process

480 I yeah

481 P4 so making they make it like natural so you have  
482 making an analogy you can have the best er I  
483 don't know tennis player er but he can't teach  
484 you how to be a good player so design is the same  
485 thing

486 I mhm

487 P4 you can be a great designer but maybe you can't  
488 teach how how you think and how you solve

489 I yeah

490 P4 and then I like to think that if that's possible  
491 and everybody can design because it's just a way  
492 of er think thinking

493 I yeah

494 P4 er so yeah I think that you should write  
495 everything that you think and the truth is there  
496 are a lot of ted talks and other talks that that  
497 give a lot of this of this advices that big  
498 creatives or successful creatives have

499 I mhm

500 P4 as part of their personality so in this society  
501 or economy err allows certain personalities so to  
502 fit better err in certain on certain roles err so  
503 if you like to work all day you're you will be  
504 better than someone that right you're competing  
505 all the time er so the designer has certain  
506 habits that are writing everything they think er  
507 and even have a notebook beside beside their bed

508 I yeah

509 P4 you can forget

510 I yeah

511 P4 I have a actually one design advice is that if  
512 you have one week solve a problem er try to  
513 explore the first two days leave your brain and  
514 and forget about the problem make other go to see  
515 ted talks go to walk ah make something that you  
516 want to to make

517 I uhu

518 P4 like for two days and give the brain like a time  
519 to process it all

520 I mmm

521 P4 and that seems to work er pretty well

522 I yeah

523 P4 and yeah when when you force a solution it tends  
524 to be harder to solve it

525 I yeah

526 P4 I don't know there are many examples I think that  
527 when you're having a conversation and you say

528 something and later you think oh I said I wanted  
529 to

530 I yeah

531 P4 or when you're in the shower or when you're about  
532 to sleep when you have when you clear your mind

533 I mhm

534 P4 usually the brain solves the problem or figure  
535 outs the problem many creatives force that

536 I yeah yeah

537 P4 yeah it's just exploring and seeing what works  
538 for each one

539 I yeah

540 P4 I think ((laughing))

541 I and going back to the product that you talked  
542 about something you didn't mention was the the  
543 type of wood or the the material for the top  
544 surfaces was that a sustainability consideration  
545 at all

546 P4 erm yea we we so you have to make some  
547 compromises right so errr if we used err a  
548 composite wood like ((inaudible)) or mdf

549 I mhm

550 P4 those are cheaper but also harder or impossible  
551 to to to recycle

552 I yeah

553 P4 but erm so we wanted to use erm solid wood

554 I mhm

555 P4 and in Argentina we don't have we have plenty of  
556 of solid wood and we don't have if we have these  
557 deforestation problems err are because er  
558 agriculture not for other I don't know lumbering  
559 or cutting to to make products

560 I right

561 P4 so yeah we have we don't have that kind of of  
562 certifications in Argentina

563 I oh okay

564 P4 but but it's usually when you buy some wood from  
565 from another country

566 I right okay

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567 P4 but we tired er yeah to work with er with  
568 established er wooden companies

569 I uhu

570 P4 like and to use er wood dried wood dried wood  
571 year so you know that it's stable and it's not er  
572 it's going to to last longer but it's expensive  
573 so er aimed for a for a certain target a certain  
574 yep user

575 I yeah

576 P4 so if you if we made that decision we will had to  
577 consider that and about the wood you also have to  
578 protect the wood so

579 I mhm

580 P4 here it's protected with er with a paint er I  
581 don't know how to say it okay but it's not  
582 ecological at all

583 I yeah

584 P4 but the you can make some two things to you can  
585 use a water-based er paint

586 I mhm

587 P4 my my other approach for the improvement was to  
588 use err beeswax

589 I right

590 P4 so I found that's possible actually I trialled er  
591 the problem actually is that you need er the user  
592 need to er maintain the product

593 I yeah yeah

594 P4 so you're add you're adding steps to

595 I yeah

596 P4 for for the user but I don't know I like er  
597 leather products er I I like leather products and  
598 in Argentina again the leather is er erm I don't  
599 know ah I can't find the word ah it would be  
600 waste you you have leather because you have a lot  
601 of cow production

602 I yeah

603 P4 so it's the leather is usually good quality and  
604 cheap

605 I right

606 P4 a good leather product can last like ten fifteen  
607 years or more so I like that if if it going to if

608                    it is going to end up in err in a landfull er  
609                    better be used and try to to extend that life er

610    I                yeah

611    P4                spans so err leather the leather goods need need  
612                    care right so you have you I think that should be  
613                    an important approach if you want to make a  
614                    product er a furniture that needs maintenance you  
615                    have to see it as as a leather product haha

616    I                yeah

617    P4                because to to I don't know to change the function  
618                    or the relationship with the user

619    I                sure yeah

620    P4                so it's something that I was er thinking with a  
621                    friend errr I was talking a few few weeks ago how  
622                    can you create like a bond or like a relationship  
623                    with a furniture

624    I                yeah yeah

625    P4                er er so yeah it shouldn't be it should be a good  
626                    thing to solve because the logical this this  
627                    logical cycle of maintaining your own your own  
628                    products

629    I                yeah okay so but with the current product what  
630                    was the solution in the end for the wood did you  
631                    you said you painted it or

632    P4                yeah

633    I                yeah

634    P4                yeah it's painted with er I don't know a solvent-  
635                    based er

636    I                yep

637    P4                paint er

638    I                okay

639    P4                because

640    I                yep

641    P4                in Argentina we didn't have good quality water  
642                    water based-paint

643    I                yeah okay

644    P4                so we thought that at least the the this paint  
645                    would last longer

646    I                yep

647 P4 so we had two options or you have to make to take  
648 these kinds of decisions that at least the  
649 product lasts longer

650 I yep

651 P4 with the less convenient solution you have to  
652 make a a balance right

653 I yes okay and then the the last thing I wanted to  
654 ask about you said at the very beginning that a  
655 designer has to take responsibility could you  
656 tell me a bit more about how you feel about the  
657 responsibility you have as a designer

658 P4 yes so design is kind of tricky in all the all  
659 the design branches like graphic design etcetera  
660 errr because the last twenty of thirty years the  
661 the industry and market is focused on on  
662 aesthetics basically and and developing or  
663 replacing the products once a year so they value  
664 or the industry value more er the aesthetics work

665 I yeah

666 P4 and not the environmental aspect because you  
667 don't want the product to have a a long lifespan

668 I yeah sure

669 P4 err so luckily now that has errr that's beginning  
670 to change but usually as I told you er when I  
671 asked a few designers er a few great designers or  
672 recognised designers in Argentina they don't  
673 think or didn't think about the ecological  
674 aspects

675 I yeah

676 P4 which I like to imagine that their product is  
677 going to be on a shelf all er all its life or  
678 that the user will ((inaudible)) the product

679 I yeah

680 P4 er yeah but that's not that's not true right haha  
681 you're er I I am a designer or I happen to be a  
682 designer because it fits of my hobbies I like to  
683 creator err ((inaudible)) I'm young errr but if I  
684 like again it it's kind of err a conscious thing  
685 or an educational thing if you er and what your  
686 values are and what you the people in society  
687 demand from you

688 I yeah

689 P4 so if the yeah if a company or if the society or  
690 yourself don't demand these ecological or



691 environmental aspects er you don't think and if  
692 it's if now if no one demands that it has no  
693 value er if you say this is this lasts longer  
694 could be could be seen bad err from a from a  
695 company so again luckily now that's beginning to  
696 change but yeah it it's until it's until it  
697 wasn't valued until it wasn't valuable designers  
698 er didn't have to think of that

699 I yeah

700 P4 that would be the ((inaudible)) thing for it

701 I yeah so you feel you feel you've got your own  
702 values related to sustainability so you feel like  
703 a personal responsibility as a designer to to

704 P4 because I like nature

705 I yeah

706 P4 I like nature since I'm a child and I'm I like to  
707 create things

708 I yeah

709 P4 so at some point I saw that er my own work could  
710 interfere with my beliefs

711 I yeah

712 P4 so that's where usually designers er it's like I  
713 don't know vegans the the vegans when you gain  
714 consciousness about how the the animals are  
715 treated and actually I was vegetarian and vegan  
716 for a long yeah for several years and so so it's  
717 like all related to er err consciousness I think  
718 I you are worried about the environmental aspects  
719 or nature errr you will you will care about  
720 sustainable design

721 I yeah but if you work if you are a designer  
722 working in a company or working for a client that  
723 doesn't care about sustainability you still feel  
724 you have a responsibility to to push it or

725 P4 yeah if that is completely personal

726 I yeah

727 P4 I think so yeah so but I always try to if you  
728 like something you're going to about err  
729 ((inaudible)) it so I always try to I always seek  
730 to to improve and to defend my designs from an  
731 objective viewpoint so I don't like to discuss er  
732 a ((inaudible)) from a client a subjective  
733 viewpoint so I like it or not er I like to talk

734 with numbers I like to talk er with measurable  
735 data or things

736 I okay

737 P4 so I like this kind of methodology where you can  
738 you can discuss so instead of say I don't like  
739 this you can say okay if you want if you change  
740 this you're going to affect this thing if you  
741 want err if you want we can change that but you  
742 are losing maybe key attributes that ((matter))  
743 to the company so usually when you work with a  
744 client that doesn't er that doesn't that don't  
745 value design or don't know enough err you have to  
746 explain the process and the the this this element  
747 errr so they can understand and and you are

748 many people say that designers are like  
749 translators that why that's why I say that it's  
750 like a language you're translating what the  
751 company wants to er and what the user the user  
752 needs er with a product errr

753 I yep

754 P4 so hahaha I forgot okay so errr what was the  
755 question haha

756 I haha the question we were talking about  
757 responsibility to push if you are yeah

758 P4 yes yes within this certain when you have okay so  
759 first stage you have to explore and learn er  
760 learn all the options

761 I mhm

762 P4 er of these branches that I talked about earlier  
763 I try to find at least three three concepts or  
764 three paths to to cover within the challenges and  
765 goals

766 I yeah

767 P4 and every each path has compromises

768 I mhm

769 P4 so year mayone may be expensive one may be  
770 cheaper but I don't know pollutes more so I try  
771 to to to with what I can solve it in the in the  
772 best possible way

773 I yeah

774 P4 so I usually in that sense that happens with  
775 designers work more err more hours than I should  
776 because I want to er the product of the project  
777 is going to have err even if you invest a week

778                   you're going to have a repercussion right or it's  
779                   going to last several years

780       I               mhm

781       P4             so I don't like to work on short-term projects

782       I               okay

783       P4             I have to usually I try I'm trying not to I'm  
784                   trying to to to improve to be able to  
785                   ((inaudible)) part of larger products and  
786                   ((inaudible)) even a small change on a large  
787                   product can affect more right because you are I  
788                   don't know millions of other products and so yeah  
789                   it's trying to to to find then a balance between  
790                   the ((inaudible)) and the time that you have and  
791                   doing the best way towards what you have and I  
792                   don't know if this covers the question

793       I               yeah definitely yeah okay no it's really  
794                   interesting to hear just your experience and your  
795                   perspectives on this quite complicated topic so  
796                   thank you that those are all the questions I had  
797                   was there anything else you'd like to add that  
798                   you haven't covered

799       P4             erm yeah no I think that as I told you now I'm  
800                   studying circular design

801       I               mhm

802       P4             and the good thing about this new approach is  
803                   that the whole companies and the whole system is  
804                   applying the same concept from the beginning

805       I               yeah

806       P4             so it's a company is already reducing their their  
807                   energy consume their water consume err they're  
808                   changing so solving these kind of problems on all  
809                   the all the the areas

810       I               yeah

811       P4             so if you have graphic design printing on er with  
812                   water-based inks with certified paper er so I  
813                   don't know haha I think that's that's what's  
814                   relevant now luckily or the market is seems to be  
815                   er going to

816       I               yeah hopefully we'll see

817       P4             yeah er yeah otherwise if you like or if it's a  
818                   part of you to or your conscious consciousness er  
819                   to make er I don't know I like to design furn I I  
820                   like to design I like to design some problems I  
821                   like to solve problems and I thought that er I

822 could begin designing furniture here in rome but  
823 apparently the the furniture industry doesn't  
824 value the or don't value the sustainable aspect  
825 yeah yes

826 I mhm

827 P4 so I will have to seek I I don't like to work if  
828 I if I get to choose I don't like to work on non-  
829 sustainable

830 I mhm

831 P4 pr products

832 I yeah

833 P4 so I'm trying to yeah to see if I can now I'm  
834 trying I'm finishing my internship here in Italy  
835 I'm going to Spain err

836 I okay

837 P4 going to improve my english keep studying so er  
838 I'll be able to to find a job in a company that  
839 that has has a bigger impact

840 I yeah

841 P4 and I would love to I for example I don't like  
842 erm United States but you have the MIT there and  
843 they are researching about this new er  
844 sustainable or biological er yeah technologies so  
845 yeah you have to on your own life or my own life  
846 I will have to make some compromises

847 I yeah

848 P4 not living in the place that I like but trying to  
849 to as a human contribute

850 I yeah

851 P4 or have the the most impact possible

852 I yeah

853 P4 so it's a life decision for each person and  
854 professional too so yeah you make compromises  
855 haha

856 I sure yeah

857 P4 with each decision

858 I yeah definitely well good luck with whatever's  
859 coming next for you yeah hopefully you'll find  
860 some way to to do sustainable design

861 /end/