

I = interviewer; P11 = participant. Refer to DDM2020 dataset documentation for more information.

1 I so you said that you wanted to talk about er a
2 face mask project could you just tell me very
3 briefly about the the product

4 P11 yeah okay my name is ((name)) I am a product
5 designer specialised in sustainability and social
6 innovation er sorry about the noise there is some
7 accident er a neighbour cutting something a
8 machine

9 I okay haha

10 P11 erm er basically I work I have a design office
11 called ((name)) and I research bio design which
12 is using bio materials in order to design the
13 product errr in this sense when we we have
14 corona before just before we had the coronavirus
15 outbreak er I was er with some friends doing er a
16 job like for a client ((inaudible))

17 er we were saying how design somehow lost it's
18 path and it's totally market oriented and doesn't
19 actually attend to real life er problems you know
20 real issues for society

21 I yeah

22 P11 and there's an author who writes about that in
23 the seventies er wrote about that he is called
24 Victor Papanek

25 I yeah

26 P11 and well he's a big reference for me it's a big
27 reference especially because since most in Brazil
28 and America are living well as er as the whole
29 world's living like this and the right wing er
30 trying to bring old days back

31 I like using an old writers to answer to this

32 I yeah okay

33 P11 this things you know so we're talking about that
34 and there's an Indian Brazilian author called
35 Krenak that he wrote a book last year called er I
36 will translate ideas to postpone the end of the
37 world

38 I mhm

39 P11 and it's more about philosophy but how the
40 consumerism society and how er merchandise

41 ideology er made me go to a path where natural
42 resources are seen as something that you could
43 sell which is marketed while for Indians it's an
44 entity the river has a name the river is your
45 relative

46 I mhm

47 P11 so you should take care of your relatives so this
48 idea this philosophy that that native Indians in
49 Brazil have about nature is totally different of
50 what we the our Western society have

51 in this sense in the sense we I wanted to do a
52 design exhibition that would talk about that how
53 design could answer to the sustainability issues
54 and we created a lot of this group of designers
55 working together we created created this WhatsApp
56 group which was called designs for the end of the
57 world

58 I mhm

59 P11 and the end of the world came I know it's not the
60 end of the world it's a it's a joke but what
61 Krenak says is that for Indians the end of the
62 world started when Portuguese came to Brazil so
63 the end of the world for them is lasting five
64 hundred years

65 I mhm

66 P11 so that is that so something about the world
67 you've known before is always ending constantly
68 now do you need to create er he used an idea of
69 the parachute how would you create parachutes in
70 order to make this fall slower and more
71 comfortable for our society

72 I yeah

73 P11 and by this idea we were seeing er the outbreak
74 spreading all over the world

75 I mhm

76 P11 and the first cases in Brazil so at the very
77 beginning of the quarantine in march we were
78 saying like well we are a group of ((inaudible))
79 designers so we are forced to be home our job
80 which is marketing related marketing and
81 industrial related is totally on hold

82 I mhm

83 P11 so what could we do in order to use our talents
84 to address this er real issues and we had some

85 important issues er going on in Brazil because I
86 don't know where if you are from England

87 I yeah I'm in Scotland now but I'm from England

88 P11 yeah well in England we probably had less of
89 these problems but in Brazil we had we have a
90 very big issue on health er structure and
91 equipment access so we have public er just as
92 England now we have public health care but at the
93 same time ((tv noise starts in the background))
94 not as equipped as it should be

95 I mhm

96 P11 so it was a real issue of how would how hospitals
97 would be able to attend to this pandemic and at
98 the same time we had for example er many doctors
99 who didn't have equipment to protect themselves

100 I mhm

101 P11 which causes for example Brazil being the country
102 who lost the biggest number of professionals and
103 healthcare

104 I really mmm

105 P11 so nurses er Brazil is the country in which died
106 the biggest number of nurses in the world until
107 now and the grandfather of my daughter is one of
108 these nurse er nurses that that went away with
109 the coronavirus

110 I on no I'm sorry

111 P11 and that touched me a lot in the sense that we
112 could be doing more then we started manufacturing
113 designing and manufacturing products such as face
114 shields such as masks but with a difficulty that
115 er Brazil has more simpler industry than most
116 developing countries we have we have a big
117 ((inaudible)) on importation for materials and
118 for this project and we were seeing this
119 commercial war where America was buying all
120 products all materials er at the same time we saw
121 how garbage that single use plastics garbage
122 increased dramatically in the sense that you now
123 have millions of masks found in the ocean

124 I yeah

125 P11 and it's contaminated er garbage and some point
126 this could go back to us so we the mask itself is
127 something that we we designed to address to this
128 four big issues er bad use because people don't
129 know how to fix

130 I yeah

131 P11 the mask the mask properly so it loses place
132 which is looking ridiculous our president put it
133 in your in his eyes you know

134 I yeah

135 P11 so it's almost shameful you know and er we we
136 started to find solutions to answer to the bad
137 usage at the same time to to answer to this
138 single use masks

139 I yeah yeah

140 P11 so the idea of developing sustainable products in
141 this sense was not using a biomaterial it was
142 more using er long lasting materials that
143 couldn't be sterilised

144 I right

145 P11 and used again

146 I yeah

147 P11 and the other thing is that technical materials
148 such as the fabric the SMS fabric or the the tnt
149 er super ions which kill the virus these are
150 materials which are harder and more expensive to
151 find

152 I mhm

153 P11 so what we did was using common materials to do
154 the mask like materials that you could find in
155 any paper shop in any er handcraft shop in Rio

156 I yeah

157 P11 but at the same time you would have er high
158 quality filters that could filter the air such as
159 professional masks

160 I right okay

161 P11 so this gave us the the result of a mask that
162 could last until er two months three months of use
163 instead of two hours

164 I yeah

165 P11 it has a better comfort in the face so the
166 doctors who use our masks doesn't have those
167 scars here of of stress

168 I yeah

169 P11 of usage and at the same time we have at the same
170 time we have er sorry my daughter she's very
171 curious ((young girl appears on screen))

172 I okay haha hello hi

173 P11 she loves cameras

174 I haha

175 P11 so er basically we we had this situation of also
176 wanting to lower the trash and the comfort and to
177 lower the dependence on importations and

178 I mhm

179 P11 we got very nice results we're now trying to to
180 market it and

181 I yes

182 P11 the idea is that every sale is er soldarity sale
183 so if you buy a mask er a doctor or a social
184 worker will earn a mask as a donation

185 I okay yeah

186 P11 so it's a very social and environment oriented
187 project

188 I yeah and so you've talked about various different
189 sustainability aspects what was the most
190 important design decision that you had to make
191 related to sustainability

192 P11 well I think that the most important decision
193 would be to accept to use technical materials
194 which by themselves are not the most
195 environmentally friendly materials you can find

196 I yeah

197 P11 because in this sense the health care er industry
198 needs this er sterilisation need their immunity
199 it needs materials to be inert and not react with
200 other er chemicals or to be able to host viruses
201 and other

202 I yeah

203 P11 germs and this is something that was challenging
204 in the sense that we er we grow up as designers
205 trying to escape from plastics

206 I yeah

207 P11 and now we go back to plastics as our main tool

208 I yeah and so you just have to accept that that's
209 not sustainable that part of the product

210 P11 yes the sustainability is more er when you try to
211 programme ((inaudible))

212 just a second ((talking to daughter in
213 Portuguese))

214 sorry

215 I it's okay

216 P11 she turned the tv while I'm doing the interview
217 so er I think that that the idea that er we
218 wanted to find er ((inaudible)) sense and then we
219 wanted to find to fight the lack of
220 industrialisation made us go to the most common
221 materials you could find so for example we are
222 using er ((inaudible)) styrofoam styrofoam
223 ((lids)) which is a material which is poorly
224 recycled recycled here and which is er very used
225 for the cargo industry to do college and school
226 work but it does the work and as a material for
227 the masks so there's a documentary on the BBC
228 which is called the genius of design and says how
229 design addresses to to wicked problems in times
230 of history and the second world war and showed
231 how England had very big dependence on
232 importations and because of siege in the sea from
233 the German submarines it was forced to develop
234 planes and machine guns and everything with what
235 they already had in the island

236 I yeah

237 P11 so the idea was the same how can we er use
238 materials which are already on stock in the Rio
239 de Janeiro city and how it can we from these
240 materials develops design solutions that will
241 address this problem

242 I yeah

243 P11 so we went to supermarkets we went to hardware
244 hardware shops we went to er handicraft shops in
245 order to find materials that were before used for
246 private customers but could also become as it
247 becomes a ((inaudible)) it can become a mask that
248 filters air was the main rationality behind it
249 that what was more sustainable sustainable about
250 it was almost like permaculture in the sense that
251 you're trying to find the resources you have
252 around

253 I yeah

254 P11 to answer to an issue

Words only transcript of DDM2020 interview 11 7th August 2020 – Liz Cooper PhD research

255 I yeah and how many other people were you working
256 with

257 P11 our collective had already because it changes a
258 lot because of the daily life of people so we had
259 already ninety three collaborators

260 I oh wow

261 P11 but we have at least fifteen to twenty people who
262 are in the collective until now when it started
263 we have around six or eight managers taking care
264 of different areas such as production fabrication
265 er design and research and we have also er
266 doctors and researchers from erm for more
267 security or for er infectologists people who are
268 scientists and are also willing to collaborate
269 with designers to develop this these problems
270 that er just societies could answer if the
271 government's not doing its work

272 I yeah and so in a design collective like that how
273 do you make who makes the decisions and how do
274 you make them

275 P11 that's what's so fun we were able to develop
276 something er so we have a collective that doesn't
277 have the authorship as something so important and
278 this is something in the design market which is
279 hard to do the designers are er do you know Bruno
280 Latour the

281 I yeah yeah

282 P11 er philosopher and researcher he writes something
283 in translation he would say deosigner like
284 designer as a god the whole creator

285 I yeah

286 P11 you know this idea of the designer who wants to
287 be the creator everything

288 I yeah

289 P11 and ((inaudible)) of everything so the first
290 thing that people have to accept is that you're
291 not going to develop or to design something from
292 the beginning to the end

293 I mhm

294 P11 what you do will be continued by other person

295 I yep

296 P11 and the whole ownership is collective

297 I right

298 P11 so this is something that until now we managed to
299 do well we have some some issues about it and
300 people went away because of not being able to be
301 the the cherry on the top of the sundae

302 I yeah haha

303 P11 at the same time you know we we managed to to
304 reach in four months er record numbers of
305 donations of ((inaudible))

306 I uhu and so if everybody's adding to what the
307 previous person has done somebody must have
308 chosen the materials for example

309 P11 sorry

310 I so I if everybody's just adding a bit to the
311 design somebody must have chosen the materials
312 though like somebody would have made that
313 decision

314 P11 yeah well we had the idea of having client as a
315 part of the design of the design team

316 I yeah

317 P11 so the decisions are were mainly by acceptance of
318 the researchers and doctors er so they would say
319 well this will not work in the hospital this will
320 hurt my face

321 I yeah

322 P11 this will er be a surface where the virus will
323 survive or will proliferate so we base ourselves
324 in three things er the zeitgeist that happened
325 all over the world developing such projects so
326 you see that it was a global movement not
327 something that we did here but we er it spread in
328 the world as a solidarity network parallel with
329 the virus outbreak

330 I mhm

331 P11 so where the virus will reach you probably would
332 find researchers designers trying to answer to
333 this problem as fast as we could

334 I yeah

335 P11 so to to be able to feed ourselves with this
336 already er done or tested products is something
337 that helped us a lot in the decision making

338 I right

339 P11 second the second thing was having the doctors
340 and the team and researchers and being able to

341 almost act like design specialists and and having
342 the designers as the doctors themselves so they
343 would say well I need to have more ((inaudible))
344 sustain er area I need to have a place where I
345 could touch to take the masks off

346 I yeah

347 P11 to have them as part of design team er showing
348 problems problems of our design at the time it
349 was a lot of er speed in the design project at
350 the same time as gave us a lot of er certainty of
351 why do we do ((inaudible))

352 I mhm and what was your role particularly

353 P11 well my role at first time was mainly thoeretical
354 theoretical since I'm I just finished my master's
355 in two thousand and nineteen as a teacher and I
356 work as a sustainable consultant

357 I yeah

358 P11 and as a product designer

359 I mhm

360 P11 so it mainly began me as acting as catalysis er
361 catalyzer

362 I yeah

363 P11 of of the group you know giving people er tasks
364 tasks and talking about things and showing what
365 we could do as more like a thinker

366 I okay

367 P11 at the same time at the same time I went to the
368 managing cos I have a design office for many
369 years so work a lot as a manager and as design er
370 as communication manager so I design I worked in
371 design of some of the projects but I will say
372 that my participation in the design process
373 itself was not as relevant as other people's

374 I right

375 P11 but at the same time I participated in all
376 projects because at the same time you're always
377 looking at the design and always criticising and
378 always participating and debating about it

379 I yeah

380 P11 so er actively I was more a teacher and a manager
381 a design manager

382 I okay and I guess when you're doing design but
383 also when you're just involved in design like
384 that would you say that your personal values
385 influence what you do

386 P11 er could you answer repeat the question please

387 I would you say that your personal values influence
388 the way you do design

389 P11 totally

390 I or the way you manage design

391 P11 totally

392 I could you tell me a bit about that

393 P11 well I think that er well something that was
394 telling is that when I went to do the my Master's
395 almost like this preparation of design theory I
396 was reading the last in three to four years

397 I mhm

398 P11 were actually preparing myself to this moment so
399 when I when I read Tim Ingold and I learned about
400 correspondence in anthropology

401 I mhm

402 P11 I'm also learning how to design as not being er
403 this perfectionist designer that tries to
404 anticipate the problems but I I but learning to
405 be a designer that learns how to solve problems
406 while the problems are ongoing

407 I mhm

408 P11 and this is totally critical to the moment we are
409 in because you cannot wait for the answers you
410 have to be er adaptatious to answer to the
411 problems as they they emerge

412 I yep

413 P11 at the same time er I was reading all these
414 Indians thinkers and anthropology in anthropology
415 classes and to learn how to act not as a colonial
416 designer that it's something that we hear a lot
417 how designers how the client doesn't know the
418 problems they need to solve designers need to
419 show the problems they need to solve

420 I yeah

421 P11 and this for me the biggest lie you say in design
422 er theory

423 I yeah

424 P11 because er we are users but users are designers
425 Manzini says that there's a inhabited design skew
426 in every human being so you weren't as er you are
427 born as a designer you when you're a kid and
428 you're trying to to put lego pieces together
429 your're a designer and this is our intelligence
430 we are specialists in this intelligence

431 I yeah

432 P11 so to read about it showed me a lot of how would
433 be the role of designers in this process in this
434 process of er thinking er the the design of new
435 protection material products

436 I yep

437 P11 so we should act as facilitators not as the stars
438 the authors of everything

439 I yeah yeah okay

440 P11 so my idea of collaboration my idea of open
441 design my ideas my political ideas which are more
442 er social democrat oriented than anything else
443 which make me believe the role of the public
444 health care of the public education narrative all
445 these ideas are ideas that move not only with the
446 designers in our team the team's a lot alike in
447 this sense to work towards this direction and we
448 have er it's sad to say that we have a common
449 enemy which is the government because the
450 government was not doing its work Brazil till now
451 doesn't have the health care investment we're we
452 have two almost two months without the health
453 care investment and trying to to give solutions
454 like chloroquine which doesn't yet have er
455 scientific er approval as a medicine for
456 coronavirus because we have now the biggest stock
457 in the world of chloroquine

458 I mmm

459 P11 we bought America's for which is ridiculous so
460 when your government do that it make it's almost
461 makes you responsible to do the opposite
462 otherwise you agree with that

463 I yeah yeah

464 P11 so because of that this was a big motivator in
465 the sense of political values not only values on
466 the design er area

467 I yes yeah sure and you said it almost makes you
468 responsible to to do the right thing in this case

469 do you think that as a designer you also have
470 responsibilities in terms of sustainability

471 P11 sorry

472 I do you just you mentioned responsibility and
473 wondering if you think as a designer that you
474 also have any responsibility in terms of
475 sustainability

476 P11 yeah yeah yeah well all the papers that you are
477 reading like addressing as the designers'
478 responsibility because it doesn't have well it
479 has but not in my opinion not enough discussion
480 about the designer ethics

481 I yeah

482 P11 er the designers are er covertly bossed by the
483 market by marketing teams by er by managers

484 I mhm

485 P11 which tell us what to do

486 I yeah

487 P11 so yeah in this sense we lack responsibility of
488 our actions

489 I yeah

490 P11 because we we we're only following orders

491 I yeah

492 P11 and this is something that I really I really
493 really bothers me

494 I mhm

495 P11 I really try to answer when I write about design

496 I yep

497 P11 and er I ((inaudible)) there's something that the
498 teacher which used to love to bother me like to
499 provoke me he would say that there's not sustain
500 there's no sustainable designer design there's
501 only good design

502 I yeah

503 P11 good design is sustainable something like Dieter
504 Rams would say in the sixties you know and at
505 some point I do agree with that but if there is a
506 sustainable designer designs it's because
507 designers don't actually think in sustainability
508 as a responsibility

509 I mhm

510 P11 but as a marketing add on when you say oh it's
511 sustainable so it sells more

512 I yeah

513 P11 and this is something that we are trying to to
514 fight in our collective the good design is a
515 design which is more appealing which is more
516 functional but it must be sustained you you as a
517 way of looking at the product its whole life
518 cycle not only the usage life cycle

519 I yeah yeah and and if you're working for a manager
520 or a client that that wasn't focused on
521 sustainability do you think a designer has any
522 responsibility to try to influence them

523 P11 well I think the designer I think I'm going to
524 give a ((inaudible)) answer well I think that
525 designers should act responsible at any cost

526 I yeah

527 P11 so if it costs your job if you're if you're
528 working for someone let's say it's er well this
529 is something that I will explain but I will
530 probably want you not to write it

531 ((eleven lines omitted))

532 so this is something that happens a in the market
533 I think the designers when you're against the
534 wall when they're pushed money wise to accept
535 these kind of things you're part of the problem
536 you're not part of the solution and even because
537 it's creating a sustainable er ((inaudible)) it
538 doesn't actually mean you're working towards
539 sustainability

540 I yeah

541 P11 so we said no to this work job it could pay our
542 whole year in the office and for us saying no was
543 obvious

544 I yeah

545 P11 so what responsibility of the designers was to
546 join themselves so and to be able to work as a
547 network and to fight to the er to the fight the
548 economical power that industries clients have in
549 order to allow us to do our work and the maybe
550 the designer really wants more authorship with
551 his own brand like Philip Stark or like other big
552 names in design you can say well I'm sorry I'm
553 not using this material because it's me it's my
554 brand so then the idea of ((inaudible)) is your
555 power of negotiation

556 I mhm

557 P11 er for me er the main challenge is how you as a
558 designer that works towards sustainability works
559 towards collaboration works for open design tends
560 to have er economic negotiation strength against
561 big brands in the market

562 I yeah

563 P11 this is a challenge er I don't know the answer
564 yet

565 I yeah

566 P11 we're trying to create the brand around the
567 product and to to control the product brand and
568 by that do so without using the image of the
569 designer as this entity this whole entity

570 I yeah and so in in the collective when you do
571 collective design what are the lines of
572 responsibility who's responsible for the final
573 product in the end

574 P11 who is respon well the group is responsible we
575 have we have the er how can I answer that we have
576 the design team

577 I yep

578 P11 as a group and in the end we all signed the
579 product

580 I okay

581 P11 so er if something's wrong everybody's is
582 together

583 I okay

584 P11 and not only the designers but the doctors the
585 researchers people who who participated

586 I yeah

587 P11 so it makes us less vulnerable in the sense that
588 if you make a mistake you're alone but it's
589 harder to make a mistake when you're not alone

590 I yeah

591 P11 and if you make a mistake collectively you take
592 the responsibility collectively

593 I yep okay yeah it's really interesting it's very
594 different from the other designers I've spoken to
595 who are working in companies who you know have
596 different challenges erm those are all the
597 questions I had was there anything else that

598 you'd like to add relating to this the project or
599 the topic

600 P11 yes well I er I think that now I'm going to
601 actually do a doctoral project and I want to
602 research how biodesign can work work towards er
603 er healthcare issues

604 I okay

605 P11 so I think that's I think the next step for
606 design is er that the designers have er each time
607 more participation in the life cycle of materials
608 so at some point we would cut the tree and make
609 the timber to make our product er now we already
610 planted the tree designing the timber that you
611 use in a product er I think that the next step
612 for sustainable design is to make the material as
613 ((inaudible)) to work with living materials and
614 be able to have a new design which is more
615 sustainable ((inaudible)) material industry and
616 more er straight to the materials the product
617 needs so you see that for example Gavin Munro
618 which is a English designer ((inaudible)) who
619 casts trees trees which are chairs which are
620 tables the tree itself

621 I yeah

622 P11 is moulded is ((inaudible)) to be the chair or
623 table you see for example designers using
624 mushroom to do er products that reduce plastics
625 you see bioplastics you see so many materials
626 emerge as er as an action of the sustainable
627 design and you see research designs in the
628 material itself a lot of materials like I think
629 that this would be maybe the next step for
630 sustainability

631 I yeah interesting it's interesting to hear how
632 some some people I speak to they find a material
633 and they find this you know sustainable return
634 and then they want to design based on that and
635 sometimes it's the other way around it could be
636 we wanna design this thing in this way what
637 sustainable materials can we find so

638 P11 yeah and this could also be a way of thinking
639 industry because as a Brazilian er I see myself
640 as a designer in a society that is forever
641 following er other industry steps so we're trying
642 to have three d printers but they arrived for
643 Europe they arrived for US

644 I yeah

645 P11 or when you're trying to use plastics which are
646 first launched in Europe or in America er
647 biodesign emerges a lot in America and Europe but
648 as er a way of rethinking the way that people are
649 used to do things as the first humans so er in
650 ancient china the Brazilian Indians were the
651 first biodesigners

652 I mhm

653 P11 and er Asia Africa South America we have a
654 biodiversity which could offer so many design
655 opportunities

656 I mmm

657 P11 and to use agricultural processes a process rich
658 er less less expensive machine wise that could
659 give us er an advantage in order to to have a new
660 indust a new ((inaudible)) industry

661 I mhm

662 P11 and I think that this this could be a game
663 changer er not only to developing countries but
664 the whole world in a way to design the industry
665 which is more synergic to the natural side

666 I yeah

667 P11 and as we're now living the consequences of the
668 anthropocene ((inaudible)) I know that Donna
669 Haraway has written about er how how can we
670 answer to that so I do think that biomaterials
671 are is a way of doing that

672 I yeah and why do you think that you are so that
673 you care about this so much because so many
674 people don't

675 P11 haha well Manzini views sustainability as er
676 giving to the new generations er the world with
677 the same resources and opportunity as we received

678 I yeah

679 P11 er our generation we saw er I was born in the
680 eighties

681 I yeah

682 P11 so I was born when this er capitalism lost its
683 sense

684 I yeah

685 P11 and it just became about money ((inaudible))
686 without having much concern for purpose

687 I yeah

688 P11 you know consumerism for consumerism and I always
689 had a critical view about that er but but my
690 first memory on sustainability was the UN
691 conference in ninety two in rio

692 I mhm

693 P11 so this was something I was nine years old and I
694 have vivid memories of visiting the of visiting
695 the fair of having the experiences of having my
696 first cookbook my first vegetarian cookbook I'm
697 not completely vegetarian but I eat a lot of
698 vegetables

699 I yeah

700 P11 so this was something that permeated me like this
701 seed that forever er guided me in like this
702 process

703 I yeah

704 P11 so when I see I now have a kid I have a seven
705 year old er daughter and so it's kinda it's kind
706 of pointless to design something that won't give
707 her the world that I want to give her

708 I yeah

709 P11 I want my daughter to be able to go to the beach
710 I want her to be able to go to the waterfall to
711 see animals to do the travels I've made and to
712 see that the world is crumbling

713 I yeah

714 P11 you know that she might not able to see snow as
715 it was before or to see er the sea as it was
716 before this makes me very very anxious

717 I yeah yeah no it's interesting that not everybody
718 sees it this way though and we have to try and
719 convince a lot of people of the importance of it
720 all yeah

721 P11 yes and I'm very sorry someone's calling me

722 I that's okay I mean if you want to go we're pretty
723 much finished if you want to go now that was that
724 was really useful

725 /end/