Master of design for Emergent Futures Thesis 2021-2021

Busisiwe Mgwenya

MDEF 2021-22

Table of contents

Chapter 00- What is my fight

Chapter 01 - Research through design

Chapter 02- Design space based on AOWS

Chapter 03- First Interventions

Chapter 04- Reframing the project

Chapter 05- Term II Interventions

Chapter 06- Updated vision and identity

Chapter 07- Final Interventions

Chapter 08-Alternative Present

Chapter 09-Designing yourself out

Chapter 10- Final Reflection

Bibliography



What is my fight?

My vision and Identity

The MDEF programme has offered me a platform to map my strengths and my network to make an impactful contribution to the Weak Signals I care about. Representing my ideas, identity and fight in a design space has been a profoundly introspective journey, where I found myself shifting and growing in my ideas and who I want to be as a designer.

My vision as a designer is to advocate for social justice in urban spaces using digital frameworks and decentralized web systems as a tool for research and design. I want to find my place in understanding the connections and architectures of decentralised digital systems, machine learning models, conscious use of new technologies, learning creative coding and soft robotics for design interventions.

" my fight centers around fostering fairness, social justice and societal behaviour in the physical context of Barcelona.

Personal Development Plan : My purpose as a designer

- Situate myself in creative communities and find those to collaborative with
- Designing with a social body-escalating the scale of self into the fractals of a bigger community
- Dancing between the micro and macro as a delicate dance. Between the superficial and the layers of systems working (work in a small community with a global mindset)

Collaborative Plan : Ecosystem Mapping

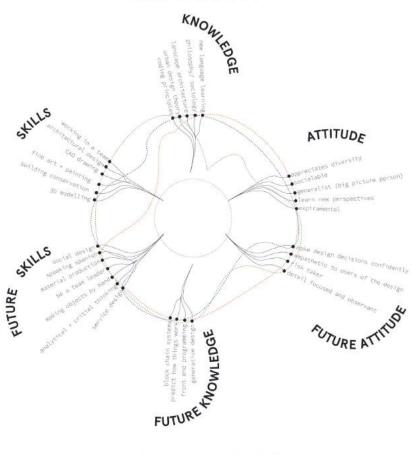
Recapping from the Collaborative design interventions and community engagement, I began to Understand that collaborating with other communities and people affords me the opportunity to situate myself in the local community.

- Have an ecosystem mapping and understand who is already involved in my fight. Contact them and work with them
- Bring my enthusiasm, knowledge and skills in an existing yet unfamiliar ecosystem.
- Understand my purpose is not to reinvent something new

"situate myself in the creative body"

my profesional identity.

WHO AM I?



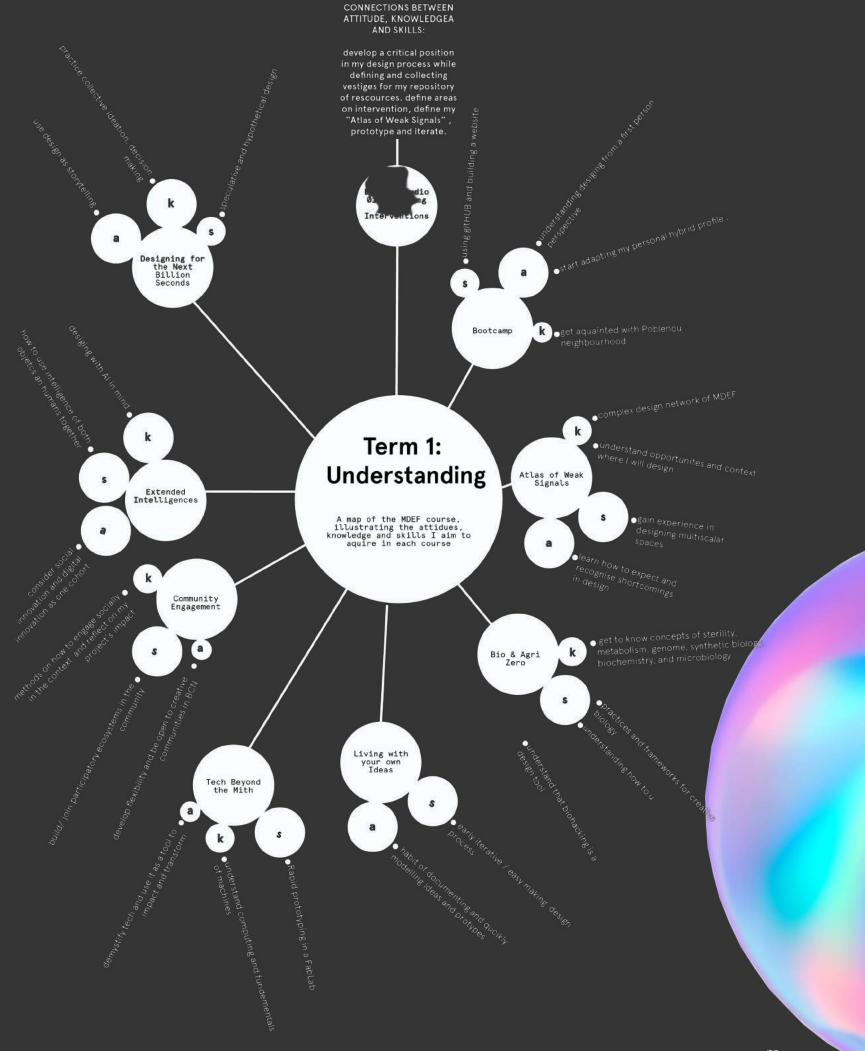
WHO I WANT TO BE



pn

Term 1 Coursework Development Plan

"My vision as a designer is to advocate for social justice in urban spaces using digital frameworks and decentralized web systems as a tool for research and design."

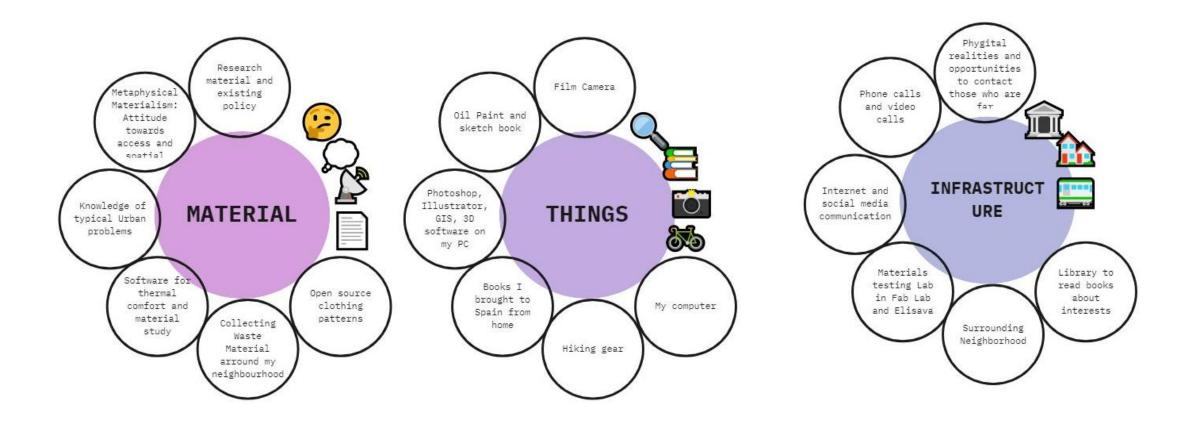


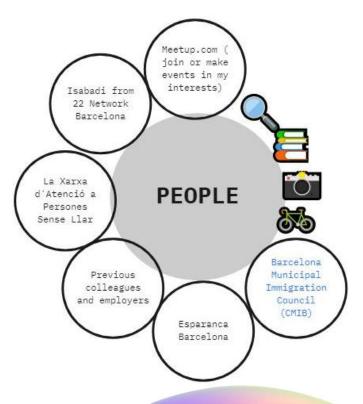
Research through Design

My Design Toolbox

What is in my disposal?

During the first term, my projects centered around urban/ city interventions especially in the frame of housing exclusion. I grouped my design tool box into 4 groups: Material, Things, People and Infrastructure. As this term progresses, I intend to add to my toolbox after connecting to the network of people already involved in what I am interested in, in the digital space/ community.





Framing a collective Design Space Based on AoWS

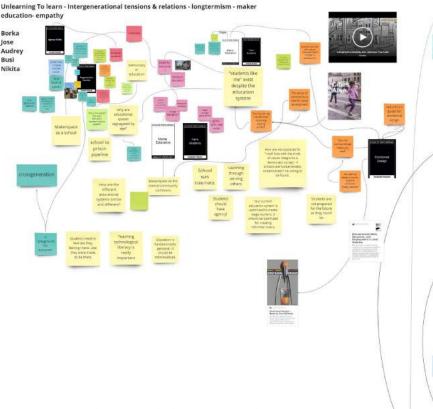
Unlearning to Learn Collective

Through the AoWS seminar, I was involved in the collective named "unlearning to Learn. Our first point of working together was creating a space of Mapping our individual interests in a matrix map in order to make meaningful connections for an intervention. Audrey is interested in biomaterial Education, Jose in emotions / food, Me in changing mindsets about housing exclusion / minorities, Borka in giving agency to children to make decisions in their neighbourhoods and Nikita in using urban infrastructure to alternatively learn.

We began by first meeting and writing individual interests on the Miro Platform, where after design feedback we culminated to create a collective challenge. Finding and wording the challenge was not easy. Sometimes as a group we felt as though our interests were too different, yet we were encouraged to continue celebrating each other's differences and interests. I have interests in social engagement in tech as well as urbanism ideals and design for minorities, so I did not want this voice to be forgotten inside the group work.

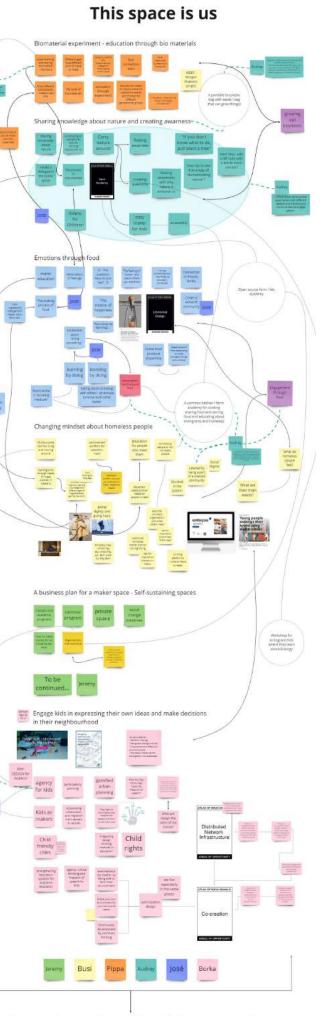
UNLEARNING TO LEARN

Borka Jose Audrey Busi Nikita



Trying to make sense of who we are, and not having a clear direction yet, we met to have a brainstorming session on the themes we want to tackle. After a successful session, we made progress coming up with a design challenge.

this space is us this space is us



But where I am in this space?

We studied in systems created by the needs of previous generations and led by them. Today's needs changed and the hierarchy in teaching and learning should / change as well.

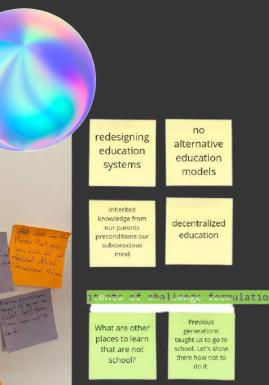
How can we change what we learn and how we learn it? How can we create new ways of learning, by raising our voice and showing our needs? Also how can we be aware of those needs?



Framing a collective Design Space Based on AoWS



establishment self organized listributed







pn

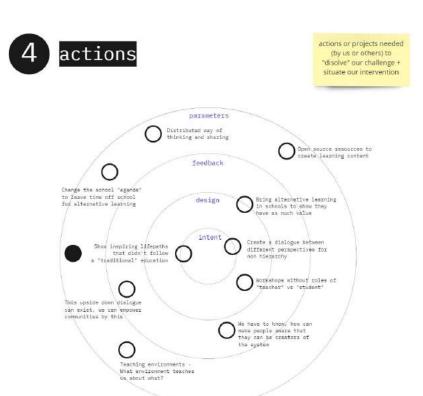






local ecosystem

2



For our Unlearning to learn collectively, we made maps to know who we could draw inspiration from and work with in our ecosystem. We visited Merkel and Can Batllo and had a meeting with Clement from Aqui. My take away from the two meetings was that we should meet people where they are (ask their specific needs) and consider the impact we want to make with the intervention. Thus we furthermore divided our challenge into Input, output, outcomes (short term effect) and Impact (long term effects)







Framing a collective Design Space Based on AoWS

| ale #4 alles) | Thursy of simoge | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| alarity to basis over further write w analog the evident | manually to allocately advant to plant and senses to: | |
| along to have one value with wells we asked the animal sourcest himself second in the structure lensing conversal set spiceur at alongs to belie | Generative de mergie de mergie de mergie de la construcción de la construcción de la construcción | |
| Annesses Gastato, anosto an familian en sender n. mene bollar, projecto ant procession. menedado interesting (process estamontal per en acade of entriand suggement) | | |
| ne song no more particulation to grow an | | |
| | Design appointant lies | |
| - theme | a Tribunation to the form of their same for thes | |
| an ar his agrees m | Search Reason and America and America Making, on one in million multi-search and finding. | |
| i an anni. I an an an an an an | Secondary only free a just from artiflation shad- out on the second balance for a two seconds. | |
| A LI IS RANGOLLI | Tap a strategy datase test are test are tautionaled tradeout fragment to that of state as possible total test for parallely a test over a to that where | |
| | the for particle is the only of the black | |
| f percente de vertie laved at et et de sen ton, auf norte | | |
| a a constant and and and and | | |
| | | |
| | | |
| | Thanry of Idanegie | |
| the solliening must it ferralise. | - Senator registered | |
| n ara local sepresenten te conta ar rock 1955 Narge prosessa ara contrato) te retenes | - familie | |
| | | |
| 1.1 | | |
| | Besign opportunities | |
| to in fact table line beings | Many out the la manual superior of spinst (in al-still)-it analysis superior still an superconducts of an outer still. | |
| energy in the net synthetics I have not associated and the | supervision real an order size fution size one on taking concerning to be also by the taking the taking of references and d areas | |
| THE R. P. LEWIS CO., NAME | alle. It for tables that the table of vehicles out of another set of | |
| 10 | | |
| and others is an ext | | |
| alaman . | | |
| La Mais assess des | | |
| | | |
| e bent | | |
| | Theory of unangs | |
| | Treatry of changes reference of related animatemic | |
| je to die 160 metrije innersy of the Malin, to the | | |
| je to die 160 metrije innersy of the Malin, to the | Telleris-e e-d bellan-sel sectorspecia- | |
| je iz da 110 matjis kompy at tar katjis, je iz nime "Micce s Alaktici cine iz met at 10 matjis | Tellerizes and believes! contailering | |
| je iz da 100 malija lannag at ta katia, je iz iz | annaan) anto ann ann ann ann ann ann ann ann ann an | |
| je iz da 100 malija lannag at ta katia, je iz iz | ntinen et soneret annaren tantaren / soneren annaren Denige opportsintbas | |
| p is de la conferencia anna e la balla, la co altar. Nova e estada ana is ana ar per per per | талина на чалочи допалина запати у лице онцан Владуе орциналитик С има и по расса да о и и иле и иле расса | |
| je da dne slak savetje k konstag od Cae Malifa, ko sne ofisier 796-1975 i Malifai disak ko metr ori gile (1)777 | талина на чалочи допалина запати у лице онцан Владуе орциналитик С има и по расса да о и и иле и иле расса | |
| p is de la conferencia anna e la balla, la co altar. Nova e estada ana is ana ar per per per | ntinen et soneret annaren tantaren / soneren annaren Denige opportsintbas | |
| p is de la conferencia anna e la balla, la co altar. Nova e estada ana is ana ar per per per | талина на чалочи допалина запати у лице онцан Владуе орциналитик С има и по расса да о и и иле и иле расса | |
| In the first station between of the ballies to state index. Notice 4 and the control of the state of the con- trol of the state of the state of the state of the state ballies of the state state of the state of the state is an advance of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of th | талина на чалочи допалина запати у лице онцан Владуе орциналитик С има и по расса да о и и иле и иле расса | |
| In the first station between of the ballies to state index. Notice 4 and the control of the state of the con- trol of the state of the state of the state of the state ballies of the state state of the state of the state is an advance of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of th | талина на чалочи допалина запати у лице онцан Владуе орциналитик С има и по расса да о и и иле и иле расса | |
| In the first station between of the ballies to state index. Notice 4 and the control of the state of the con- trol of the state of the state of the state of the state ballies of the state state of the state of the state is an advance of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of th | талина на чалочи допалина запати у лаци они,и: Болада приотолитала - на на и их ранк. на и на и нар. оченения | |
| In the first station between of the ballies to state index. Notice 4 and the control of the state of the con- trol of the state of the state of the state of the state ballies of the state state of the state of the state is an advance of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of th | талина на чалочи допалина запати у лице онцан Владуе орциналитик С има и по расса да о и и иле и иле расса | |
| | Tables of statement and and and an and a statement. Technical and an angle statement of the statement of th | |
| | Tethers of strengt and animation terminary / map version Design approximation - set or in proper and the set of the strengt strengt and - set of the special set of the strengt strengt and - set of the special set of the strengt strengt and - set of the special set of the strengt strengt and - set of the special set of the strengt strengt and - set of the special set of the strengt strengt and - set of the special set of the strengt strengt and - set of the special set of the strengt set of the strengt - set of the special set of the strengt set of the strengt set of the strengt - set of the special set of the strengt set of the strengt set of the strengt - set of the strengt set of the s | |
| | Tablets of Valence, and Antonious Tablets of Valence, and Antonious Devilges approximations () and a star proposal star back to a star procession () and the star procession of the star of the star of the star () and the star of the star of the star of the star of the star () and the star of the star of the star of the star of the star () and the star of the star of the star of the star of the star () and the star of the star of the star of the star of the star () and the star of th | |
| | Tables of statement and and and an and a statement. Technical and an angle statement of the statement of th | |
| | Tablets of Valence, and Antonious Tablets of Valence, and Antonious Devilges approximations () and a star proposal star back to a star procession () and the star procession of the star of the star of the star () and the star of the star of the star of the star of the star () and the star of the star of the star of the star of the star () and the star of the star of the star of the star of the star () and the star of the star of the star of the star of the star () and the star of th | |
| | Totally a financial antibilities Antilities of an equivalent set of a standard set of a standa | |
| | Tenter i vi vanne, antanno: tentame i negovojar Deritge opportentitis i sa ne i negovojar i se deri antan seder severe i severi negovoja i se derite severi severi i severi severi se derite severi se | |
| | Industry of sharest animalians: Industry i requestion that Design apportant base I an and an appoint of the transmission of the state I and the state of the state of the state state of the I and the state of the state of the state state of the I and the state of the state of the state of the state of the I and the state of the state of the state of the state of the I and the state of the state of the state of the state of the I and the state of the state of the state of the state of the I and the state of the state of the state of the state of the I and the state of the state of the state of the state of the I and the state of the state of the state of the state of the I and the state of the I and the state of the I and the state of the I and the state of the I and I an | |
| | Industry of Nameral Antibation Technical Support Status - A star of any spectra Status - A star of a star of any spectra Status - A star of a star of a star - A star of a star of a star - A star of a star - A star | |
| je je die 160 metrije merery al die belle, be der | Industry of stranger Processory / projection/Table Processory of an experimentation of the strange experimentation of the stranger of the stranger Processory of stranger | |
| | Industry of Standy and Anticastor Technical Standy Conductor Industry (Standy Conductor Industry (Standy Conductor) Industry of Standy Theory of Standy Industry | |
| | Industry of Nameral Antibation Technical Support Status - A star of any spectra Status - A star of a star of any spectra Status - A star of a star of a star - A star of a star of a star - A star of a star - A star | |

| MAKEA TU VIDA | Theory of change | |
|--------------------------------------------------------------------------------------------------------|-----------------------|--|
| th a focus on social insues and education, eign in social transformations, posing as a technique | | |
| abile devices for collectives (ec: PO Berin) econiple: Makoa Quincaañero) es jesample: Indesign) | itesign neportunities | |
| ed offeren proces | | |

GE STATEMENT FOR THE UNLEARNING TO LEARN COLLECTIVE

Reflections on My Area of Interest

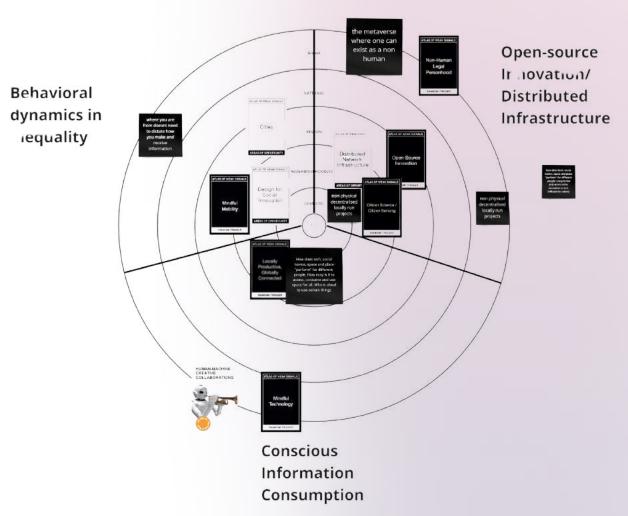
How I have evolved:

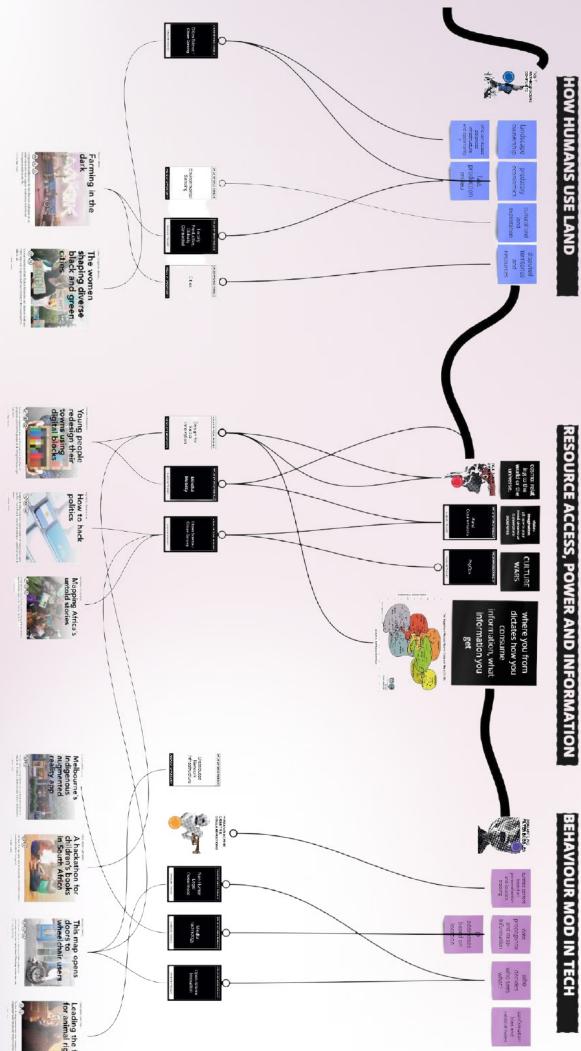
In the beginning of MDEF journey, I was inspired by the ELISAVA Insights, my fight centered around fostering fairness, social justice and societal behaviour in the physical context of Barcelona.

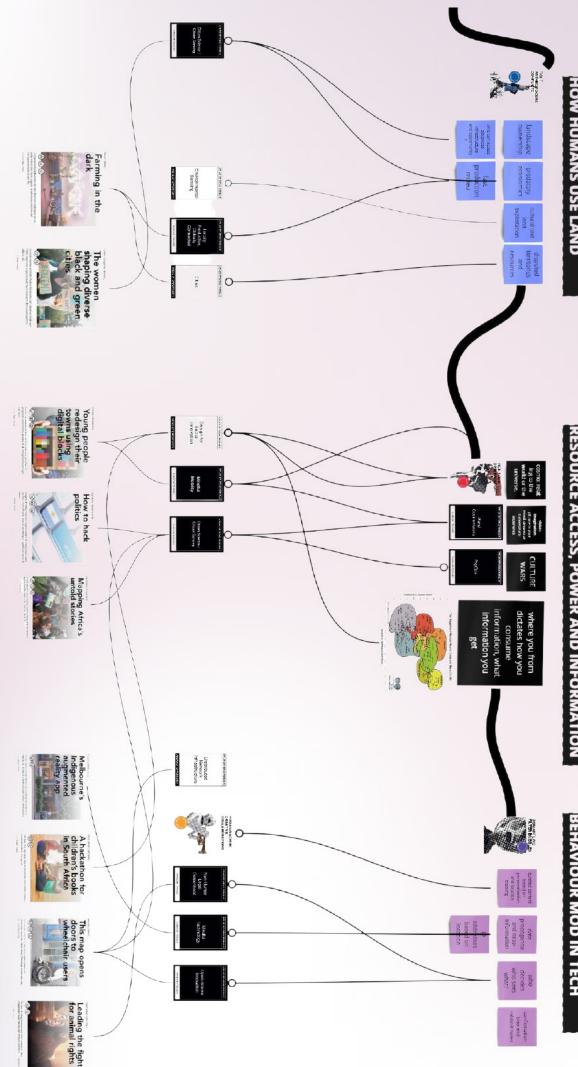
Being exposed to the seminars this term (Tech beyond the Myth in particular), I have found myself evolving and being drawn to ideas of AI ethics, system designing and conscious consumption of information in the tech space. I have always been drawn to advocating against societal ills and self organised decentralised planning- especially in urbanism, now I have further evolved my focus from the urban space to the digital space. In this, I call myself an "digital urbanist" .

Multiscalar design Space and State of The Art

Through the multiscalar map, I came to create an introspective work starting from ego outward to ecosystem. I was challenged to understand who is already working on what I care about and think about what is already emerging. I came to learn I am not alone in my speculations and that it is important to reach out to other actors, acting locally with a global, emerging perspective.







JBLAGE OF MY AREAS OF INTERESTS CONNECTED TO MY CHOSEN

Reflections on My Area of Interest - My new Fight

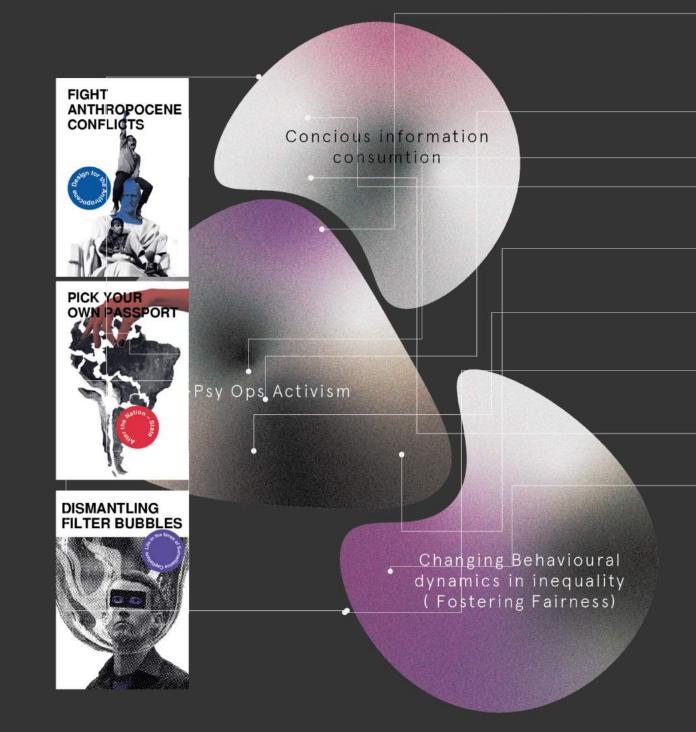
an a digital urbanist Small Inventions Tackling contextual Issues UNCLASSIFIED Sultt-takept detes anter-growth force 0-131 15-312 +301 HINTERN I. **Social Impact Concious Information consumption** Cities **Behavior** 9. Dune Grass & **Soft Robotics Machine Learning** coding Hacking urban design

MY PROFESSIONAL IDENITY

Reflections on My Area of Interest

Although my fight has developed further from physical urbanism notions to creative digital tech, I still lean to the same key words and connections I was inspired by from ELISAVA HIMTS Research clusters. Some points I resonate with are shown on the left.

I classified the phrases into 3 main categories on interests that became the antithesis and solutions to my chosen weak signals where my interventions were focused



Conn state: Hacking and acting against systems to regain control over data

Surveillance and PsyOps Activism

Network politics: Democratizing participation and access to crucial data

Sense making with relationships with Al

Behavioural social Science to help politics be efficient and effective

Territory and fighting Economic Inequality

Peace and Justice Building communities

-Design Engineering and Humans (transhumanism, Eugenics)

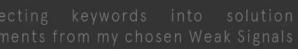
Improving quality of life and well being for individuals and communities

Phygital transformations



Attitude Advancement Skill Advancement

Knowledge Advancement

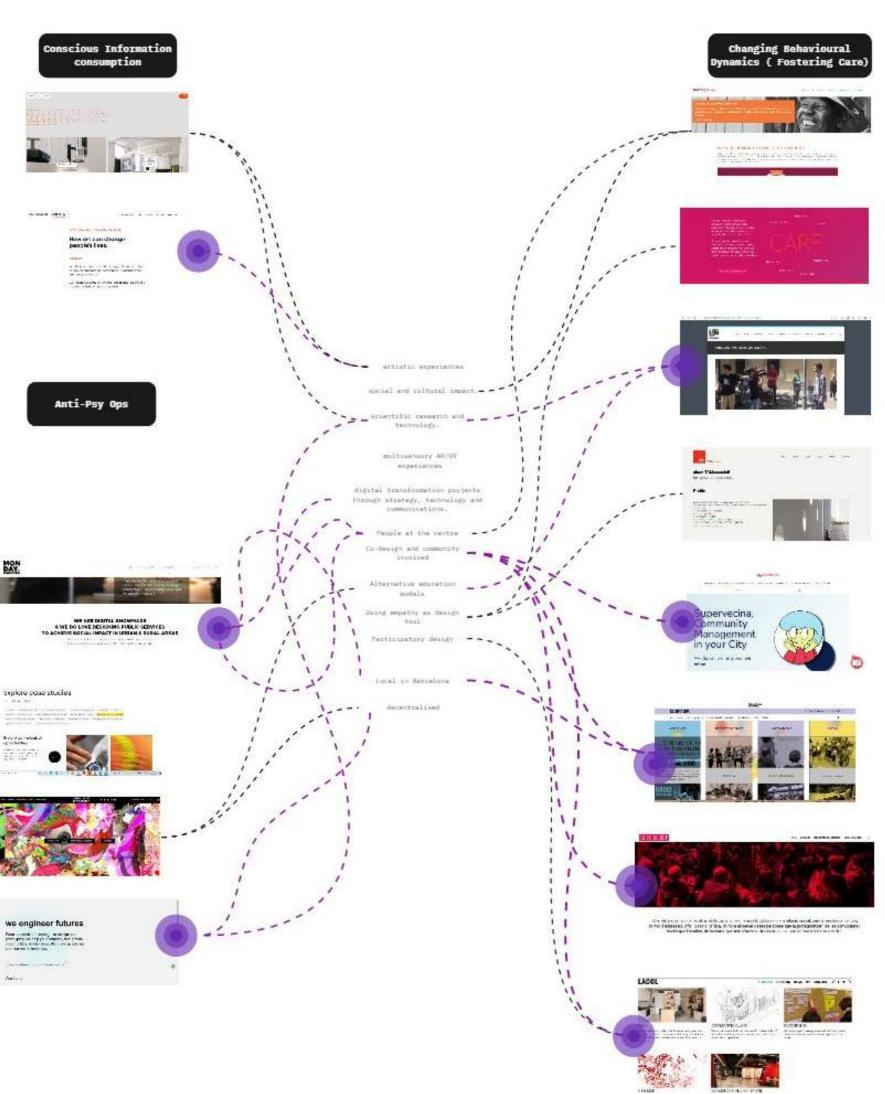




consumption" Conscio rastru $\overline{\mathbf{O}}$ **し**の 1 Φ nformation technology

pen istributed Sour **O** Φ inf nnovatio

99 Changing B inequality. U Ō havioural dynami **C**S



Who is doing it now?

First Interventions

Project 1: Enllacos

Prototyping through design- During the Design studio week in October, we were tasked to do a prototyping intervention. I combined role 3 and role 4 namely research archetype and using mapping as a research enquiry.

Navigating trying to understand the housing exclusion situation in Barcelona, I used mapping as a form of speculation where the nodes of homelessness inside a 1km radius. After volunteering at Esparanca Barcelona as a tool for understanding the needs of homeless people, I drew a map of where people resided who dealt with housing exclusion and realised that those at risk Those at risk don't just need shelter, but dignity, information and integration support.

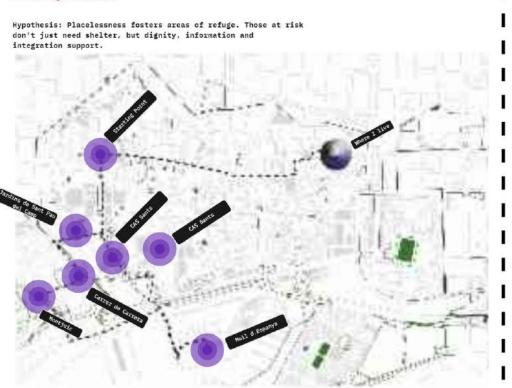
Outcomes:

After the experiment, I created 2 scenario characters inspired from people I met during volunteering, eventually creating a prototype website/ network where people could connect to receive the help they need in a housing exclusion situation.



WHERE DO PEOPLE TAKE REFUGE? what do they really need?

don't just need shelter, but dignity, information an integration support.



WHO I MET: Character profiling







My Name is Flor.





Addiction support

TO MY . _____

First Interventions

Project 2: Accessible Imaginations

For the project of my second design intervention, I explored the accessibility of the city of Barcelona where I did not use stairs and escalators for a day. In the series I scanned myself in moments of arrival during my walk in the city where I encountered stairs I could not use. Storing the 3D models imagining design possibilities for these spaces.

Outcomes:

A series of 3D scans and models through my walk in Barcelona to understand possible future interventions for access. ASSEMBLAGE OF MY AREAS OF INTERESTS CONNECTED TO MY CHOSEN WEAK SIGNALS

First Interventions

Project 3: Art-full intelligences

For the project of my second design intervention, I explored the accessibility of the city of Barcelona where I did not use stairs and escalators for a day. In the series I scanned myself in moments of arrival during my walk in the city where I encountered stairs I could not use. Storing the 3D models imagining design possibilities for these spaces.

Outcomes:

A series of 3D scans and models through my walk in Barcelona to understand possible future interventions for access.



Taste of Sunshine













No Planet B



Preview here prompt: Taste of Sunshine using VQGAN and CUP A

D ADD TO CART

VQOAN and CUP N

Preview here rompt: Almost Useless Machres using VOGAN and CLIP AI

TE ADD TO CART

SSEMBLAGE OF MY AREAS OF INTERESTS CONNECTED TO MY CHOSEN WEAK SIGNALS



Preview here fext prompt No Planet B using VQGAN and CLIP AI

120 ADD TO CART

First Interventions

Project 4: Collective Design Intervention

For the project of my second design intervention, I explored the accessibility of the city of Barcelona where I did not use stairs and escalators for a day. In the series I scanned myself in moments of arrival during my walk in the city where I encountered stairs I could not use. Storing the 3D models imagining design possibilities for these spaces.

Outcomes:

A series of 3D scans and models through my walk in Barcelona to understand possible future interventions for access. ASSEMBLAGE OF MY AREAS OF INTERESTS CONNECTED TO MY CHOSEN WEAK SIGNALS



"

Each time I wake up, and function in my habits and context, I perpetuate and function in the systems I am fighting for or against. Am I living my fight?

"

 \bigcirc

Chapter 04 Reframing The Project

Reflection as a design Tool

The first week being back from winter holiday, whilst also writing my thesis draft, has sparked a lot of motivation for reflection in the projects I did in the first term, and also the interests I express this term, and after the first design studio and Future talks, I am moved to purposefully impact in my local community, and embrace the complexities. When I think of how this visually looks, I think of a systemic galaxy group functioning in various scales inside out, and outside in.

"

honouring In I chose what as my fight, am wondering how I embody can these systems in myself, first in in person. am perfect capacity making in new forms Of living. by living as an example. I am an agent of change.

Reflection is a way to make implicit knowledge explicit, a way to help us make decisions. This is based on what has been happening, as said by Donald Schon. Knowing in action is the way we deploy our action, our tacit knowledge is embedded in our actions.

The conversations with the situation and the results you get, are what the situation is reflecting from you. But as you change the situation, the situation also changes you. Reflection is reaching a higher level of extraction.

1. Asking 5 Why's

- Why did we create a workshop as a collective intervention and how can I move away from a workshop format?

- Why did I move from volunteering to digital interfaces ? Is this my growth

- Why was it difficult to find participants for the workshops?

- Why am I situated here? How can I be more involved in a small team that is impactful and long lasting past a one day workshop that is out of context?

- Why am I here? What is the next shift from global thinking to a personal project?

2. What if? What are alternative ways/ wish I did differently?

What if I amalgamated volunteering and digital interfaces, how does this look?

What if I involve myself as the subject of my designs , mixing the personal with my design practice?

3. What are my takeaways from term I

Reaching out to organizations and people already involved in "my fight" or with similar interests is a huge leap to understand what I am exploring and start asking the right questions. This example is from after our visit in Can Batllo and meeting with Clement from Aqui

Sharing your ideas, realistically where they are, is powerful, I saw this from design dialogues. Even just sharing creates a platform to reflect, and talk to other like minded people, create networks etc

Unlearn a lot what I learnt in design school (such as comparing yourself, competitiveness)

Never do anything alone (work with others and collaborate with classmates and outside of IAAC)

potential Belief atform Meaniv 96 those heard Wh 3. What are my takeaways from term I (Continued...)

Document for yourself and others - be open and show your mistakes, your thoughts and weaknesses. Communicate your process

Learn to redefine failure, rethink what perfect means- when you see the pictures you see the perfect. Don't let a sense of perfection hinder the development of the project. This can lead with procrastination, go with what you have. There is no failure as we are exploring possibilities. Think about the references you are using to judge yourself, they can be fading or harmful. What are my strengths? When you are exploring something new, you need to reassess your reference point of movement, its not always good or bad. How have I learnt?

The Hero's Journey: Some things to remember for Term II

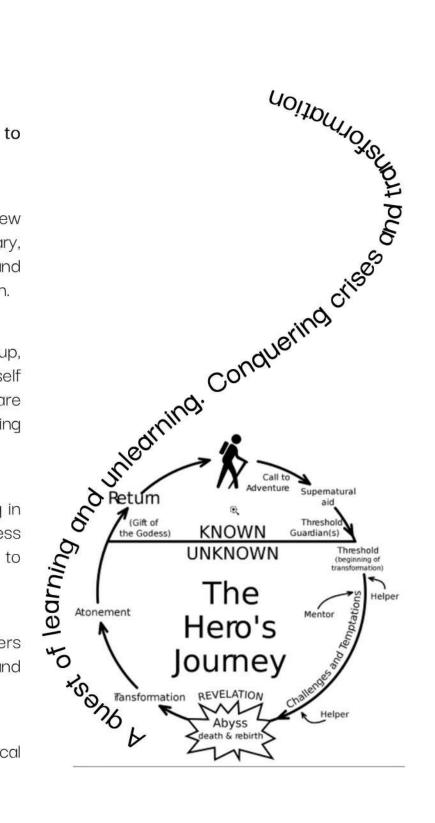
- Getting lost is a way of building a new geography to build a new vocabulary, getting geographical referencing, and the capacity to navigate using intuition.

- Rather than designing from top up, Took time to let the design reveal itself by interacting with other people who are interested in the topic and designing within.

- Share aa rough process, something in the works , or pictures of the process step, by step, rather than waiting to show a finished polished product

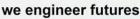
-Sharing ideas and working with others is valuable, embracing differences and complexities becomes more holistic.

- Have a global mindset with a local action- impactul locally.



Movements I look up to Accourse Information studios /people





Futurity Studio

From research and foresight to design and prototyping, we help your company find growth opportunities, de-risk innovation, and accelerate our journey to tomo

a build better futures, faster? Click here to start now.

HEY! WE ARE HAPPY TO COLABORATE WITH PEOPLE LIKE

We believe in art, we love people and we experiment with new forms of interaction between them

Chapter 5: TERM II Interventions

a. Interventions and projects from this Term

Rethinking the technological landscape: A communal digital art platform for artistic collaboration and agency.

In the beginning of the term, my main goals and idea was to create a platform using Web 3.0 tech, implementing decentralised networks to be accessed and used by everyday artists and creatives. I took some influence and ideas from Muzee Decentral and DoinGud, who are both involved in the NFT and blockchain space in art, but somehow my ideas in conscious info + tech in thinking about sustainability of NFTs conflicted with some the framework and practices of both these organisations. I was moved by the presentation during our Design studio, imagining the value and natures existing in current NFT minting to be focused not on individuals but on abundant community thinking. In this I thought of Pshy_Art Lab.

Pshy_Art Lab

Phsy_Art Lab is a collaborative digital art platform that fulfils the imagination of a locally run but metaphysical art gallery and design research centre. We promote ethical distribution of digital art and value training in art, blockchain and the sharing of meaningful stories. This laboratory aims to explore a decentralised web platform curated and owned by the artists it exhibits. Imagine a place that promotes learning, strengths and creates a reality where future artists celebrate artistic expression as they wish. Phsy is a call to the portmanteau: "phygital". A concept that refers to the navigation between the existence between the digital and the physical word. In this space we navigate in the possibilities of reality and the metaphysical, what art can be.



07

Term II Design Space

| TERM II DESIGN SPACE | |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PERSONAL DESIGN TOOLS | WHO CAN I REACH OUT TO? & INTERSECTIONS Losing for intersections and possibilities with the inters of the backlog for this intersector and are table. Decrements and |
| | |
| | + |
| MULTISCALAR DIAGRAM | |

My design space is like a systemic galaxy group functioning in various scales looking inside out, and outside in.

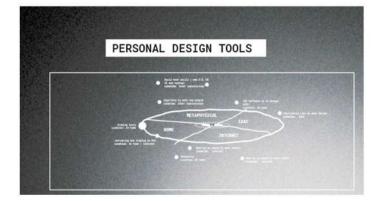
"

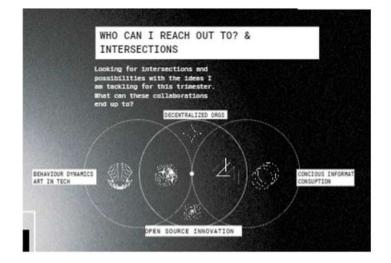
08

b. Bettering the Multiscalar diagram: My Personal Tools

The rendition of my term II design space, centred around pruning and bettering my multiscalar diagram. Drawing back to the reflections beginning of the term, I separated my available toolset for this term into four categories: Internet, metaphysical, IAAC and my home. From there, I further delved into the systems and tools available at hand

But, I continued to draw this matrix in a bigger system: personal tools, Local context and international context. This diagram helped me understand who I can start reaching out to, and collaborating with.





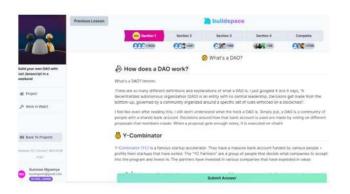
Launching the Pshy_Art Lab

Learning How to create DAO using Buildspace

Here I am continuously learning how to form a self governing online platform. Decisions get made from the bottom-up, governed by a community organized around a specific set of rules enforced on a blockchain.

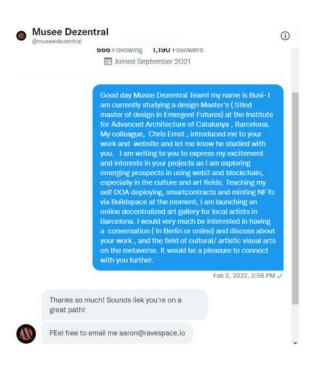
Reaching out to existing DAOs and asking for advice, mentorship or chatting about this new platform

Firstly I reached out to Muzee Dezentral and also, I am also part of the Discord on Buildspace if I have any questions on how to get help in running things online. For the next iteration I would like the 3D space to be live online, yet for now it will be an online platform for talking and sharing.



Reaching out to artist, creatives that I know that will have the first exhibitions inside the digital gallery

I asked friends and classmates to contribute their stories and art that will be showcased in the DAO. I helped launch NFT art for a friend aswell, showcased it on social media platforms and will have their own website at the end of March. In the next iteration, I would like to have a round table discussion together with the artist to understand how we can knowledge about spread self governance in the internet, the usage of NFT art. 27th of March, I am joining a drawing class on Meet up, and will reach out to artists from Hanger and Fabra Coats for possible i collaborations and just asking their needs as artists.



Creating Phygital Spaces for meeting

Modeling a preliminary model of the gallery exhibiting art from artists and classmates so far. I also started a Discord and simple webpage where I can give a call to action for artists to join, and a place to share ideas and discuss. Here you can see the living and Phsy_Art Lab which is a living project that will be expanded and continuously changing.

How can Rethinking my psyche in how I work, how can I be aware of my responsibility, working in Pshy_Art Lab

After seeing the ice-berg paradigm, I reflected my ideations to rethink the technology

How can I build aDeconstructing the networks of NFTs and blockchains where the systems benefit the whole , rather than individuals

Build my systems with an abundance paradigm, rather than ownership and individual expression.

Instead of perpetuity of individual, what about re-thinking in terms of collective.

| | Welcome to Phsy_Art Lat | • | a second |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|----------|
| | interpret bank | | |
| | S handle are set of a set | ۲ | |
| Terrare and | 🔵 | ٠ | |
| | C Daniel De Santha | | |
| | The first of a state of the second state of th | | |
| | | | |

How can I embrace the socio-technical, systemic approach?

- Working with nuance and incorporating non human actors (in my case, things

- When I create things, I should consider that I create the politics of things, enacted and becoming actors of the systems I create.

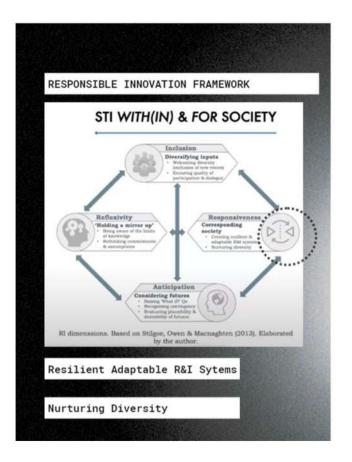
- Creating Imaginations and taking into account things that are alive and have agency that are non-human.

How can I embrace the socio-technical, systemic approach?

- Working with nuance and incorporating non human actors (in my case, things

- When I create things, I should consider that I create the politics of things, enacted and becoming actors of the systems I create.

- Creating Imaginations and taking into account things that are alive and have agency that are non-human.



How can I embrace the socio-technical, systemic approach?

- Working with nuance and incorporating non human actors (in my case, things

- When I create things, I should consider that I create the politics of things, enacted and becoming actors of the systems I create.

- Creating Imaginations and taking into account things that are alive and have agency that are non-human.

How can I embrace the socio-technical, systemic approach?

- Working with nuance and incorporating non human actors (in my case, things

- When I create things, I should consider that I create the politics of things, enacted and becoming actors of the systems I create.

- Creating Imaginations and taking into account things that are alive and have agency that are non-human.

Responsible Research

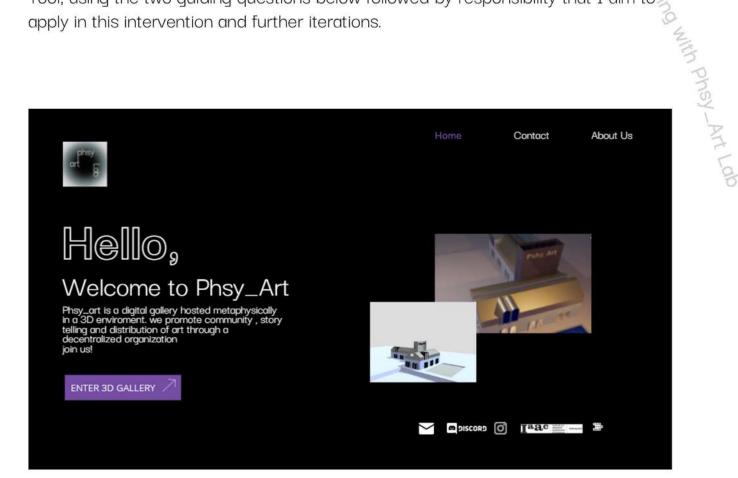
Innovation Framework

Applying The Responsible Research Innovation Framework

Applying the RRIF from Sergio Uerena, this is how I plan to Integrate my responsibilities in rethinking the technological landscape, going beyond just a workshop. I will apply the Socio- technical innovation Framework, to anticipate ideas and collaborations from a bottom up approach in a question answer format. Coming from the design studio, what I took away is the RRIF will help build my design practice beyond the Master, and a framework for the future of designing. Building in an ethos centred Nhat Alternative present in an ongoing process, and working in a community.

Designing for Responsiveness a reflection

For this intervention I focused on the responsiveness factor of the through the RI Tool, using the two guiding guestions below followed by responsibility that I aim to apply in this intervention and further iterations.



Q1: How do I Create a Resilient, Adaptable Research Innovation System? Am I committed enough to my project? What assumptions, values and interests underpin my project, what extent do I have to reflect on them?

Resilience is usually associated with natural hazards, yet it commonly denotes the capacity to "bounce back" from disruptions.

Promote easy access to the DOA for everyone

Expand communication and collaboration, creating network,

Take into account potential vulnerabilities and take action to ask for help to improve systems, ways of working and collaborating

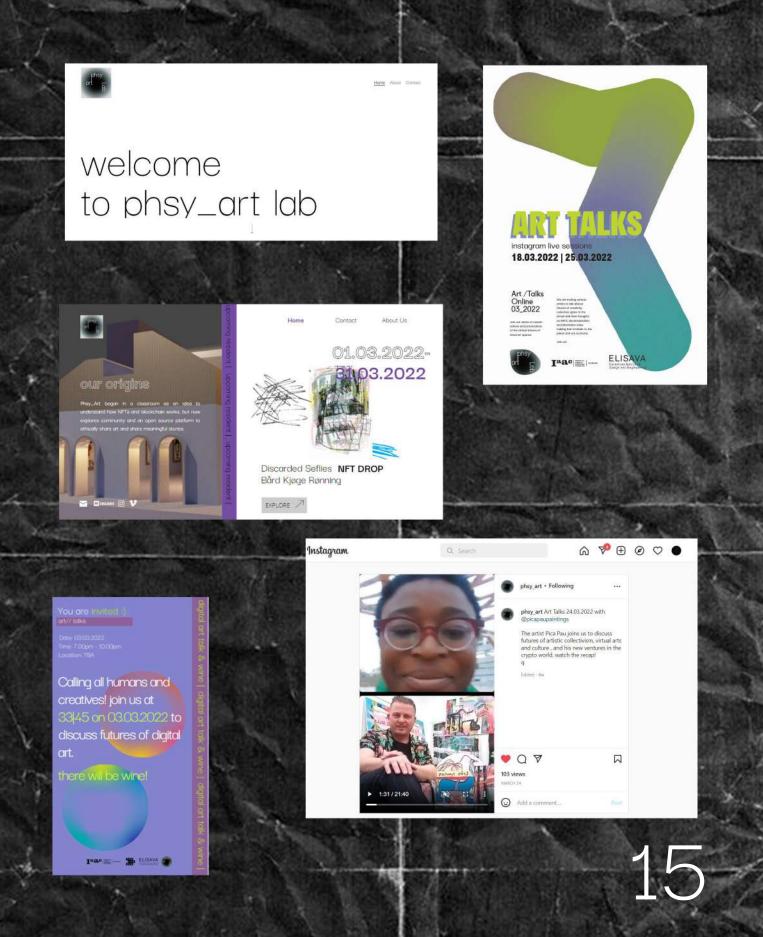
Building social connectedness, creating regular involvement and

Q2: How do I foster a digital // online platform that fosters diversity?

Reach out to at risk communities and artists within Barcelona Be mindful in including minorities in artists, storytellers and members of the community.

 Δ

Project Pictures



Reflection on Design Dialogue Day

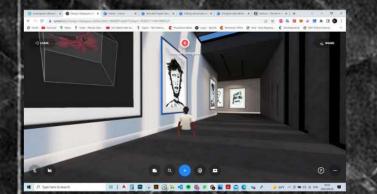
My Design dialogues project was showcasing art projects that command both physical and digital existence, we question ideas of art ownership, ethics of decentralization and futures of collaboration and community in a phygital movement we are creating together. The first iteration was the beginnings of creating a manifesto and ideating what a digital art gallery would look like.

For My exhibition, I received feedback that the VR headset was difficult to navigate at first, but very immersive and "another world" once inside. It was successful provocation on the meaning of art, ownership rights to platforms like Meta and also how we can make such systems open source for artists. These are the questions I hope to move forward towards Term III:

Write a manifesto of phygital with other artists. What does a a second iteration look like of the art residency?

Which network, or people can I ask for help in making a space that is owned, run and maintained by artists. I would like to learn how to use a AR viewer using JS.

Design





Dialogues



Chapter 6: Updated Vision and Identity

Future Talks Reflections

My Vision and Identity

In term II, I centred my design identity and vision around the connections between architectures and decentralised systems, asking myself where can the connections be in a field i know well and one I am getting to know. Throughout the technology track of the master's program in Term I, I was profoundly influenced in learning creative coding, multimedia and alternative user experience. My vision and identity has not changed since then, yet fluctuated and evolved.

The key words of the type of my identity is a creative technologist specialising in community and care in both digital and physical realities: a meta reality I call phygital. With this, my updated vision is to function as a design researcher and work with organisations, creatives, content creators, and entrepreneurs to make impactful frameworks, stories and products commanding spaces in the physical and digital. FutureTalksReflections:Storytellingandlivingyourresearch (autoethnography as a
design research tool)

I drew influence from Stephany Hanky and Laura from Future Talks and Making Sense and Meaning seminars to further evolve my existing identity. From this, my design identity is navigating storytelling and living your research as a means of navigating this phygital design practice.

"Living your research creates meaning." Through this quote, I drew understanding and inspiration for how I would like to design. Laura Forlano explains design through autoethnography, encouraging us to deepen in context and community.

17

Seeing examples she made of navigating and designing for herself as a "human cyborg" (a diabetic navigating tech designed for her lifestyle) it was evident that designing for ourselves fosters meaningful positionality. Additionally to Lauran Forlona,I was also inspired and Audrey Desjardins. She introduced the use of autoethnography right in the beginning of the semester

Following below are some notes and main takeaways of the 2 talks that influenced me by both speakers. I will note how I applied them to my design practice, drawing facts, feelings, findings and futures. (The F's of reviewing by the University of Edinburgh) Audrey Desjardins - The practice of first person perspective research

Facts: What is Authoethnography?

It is a Computation with physical forms and interfaces (interaction design) using design to interrogate systems - designing to articulate questions to propose alternatives.

A social science branch using first person methods, designing for yourself drawing design research drawing on extensive genuine usage.

Acknowledges and accommodates emotions and researcher's influence, not hiding the researcher's bias not assuming it doesn't exist. Our objectivity becomes a design tool, embodying meanings, use and even politics to the artefacts we design for ourselves

What are tools for autoethnography for designers?

Tools should pool apart and create a thick personal and interpersonal experiences

Fairness can also link to ethics, we make assumptions as designers, and with autoethnography we give way to understand what works and what does not through your own usage. Futures: How does Autoethnographic design look like?

Applying this in my MDEF journey and my personal design process, Audrey helped us understand this has to have the genuine needs to design it for yourself, process of methodological approach thinking what data can I collect? - IT IS A SLOW ONGOING PROCESS, where you have a dance between the object shaping you and you shaping the object. Consistently working, growing uniqueness. Thinking about the dance between designing for specific people and embracing complexity, constantly adapting and growing.

Here are tools to document autoethnography:

DIY Tutorials

Photos of the build

Timelapse videos

A diary

nts with documenting the on-going

Findings: Research through Design : How to archive and and document RtD

The act of research in comparing and contrasting research done on yourself with others

rchive of details to make sense of the utility you have.

Through Social Media

Unstaged photos, take many many photos

Taking Notes and listing helps with debugging so you know exactly what's going on

A legend / diary that you make that's fun and easy

Internet of things, multiple roles and reporting

Retrospective accou

Feelings: How I would like to apply authoenthography to my design practise:

Check in with yourself and others

Set a time-frame but also be flexible (things happen)

Commit to documenting, choose a form you enjoy, and find a way for dialogical exchange (what do you keep personal, hat do you share)

You will wear many hats,

Find co-conspirators and talk to others

Our bodies are our research instruments (positionality, etc)

Laura Forlano: Posthumanism and Living your research

Fact: What is the Theory of AI and posthumanism?

Posthumanism is the school of philosophy that investigates and redefines the term "human". The philosophy takes into account the current epoch where biology, politics and creative enquiry of what it is to embody humanity. Embodiment in an age with cybernetics, the internet age questions what it means to be. Posthumanism is a new attitude that looks past dualism, calling for humans to rethink the impacts of the anthropocene but also new cartographies of power relations and emerging orders and ways of coexisting with technology or nature.

Some books and text that I looked into that helped me better understand post humanism.

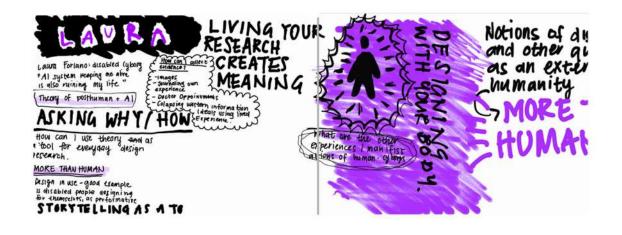
Findings: Reframing what it means to be a cyborg

What stood out to me about Laura's design practise is that she used her "disability" and disadvantage as a research tool. Keeping track of how the medicine and insulin shots technologies worked for her, helped her make a detailed collection of information ideals and experience that she could use to design artefacts for herself. Her insulin tech on her body rendered her a sort of cyborg and post-human.

Laura's ideals on posthumanism made me think about rethinking and negotiating what it means to be "human", rethinking systems and technologies dehumanise, such as bias and prejudices.

Futures: More than the Human:

Redefining systems and hierarchical design thinking, Laura gave alternative practices of what it could look like to design as a post human.



TERM

Chapter 8:Alternative presents

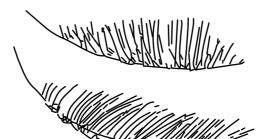
Triggering tomorrow' tomorrow.

Inking to my previous interests last semester on blockchain systems, I grew a further interest on environmentally ethical crypto currencies that can be used as alternative crypto and value sharing. Through the sessions in MDEF of Collective Intelligence. I realized that crypto currencies first began as a new paradigm shift in sharing value.

A future of Farming crypto,not

Mining.

is be possible to use simulated 3D trees as a new form of value for reforestation?



11

Chapter 7: Final Intervention

Framing the first Design for Term III: Using Digital Art for ecosystems Literacy

Would I do differently in Term III

I do not want to be afraid that I am not as tech savvy as I hoped, instead I want to genuinely reach out to existing people to collaborate, to ask for help (coding and sharing) and join existing platforms. I hope to not be afraid to contact Catalan speaking platforms and show up as I am ready to learn and work.

I hope to manage my time well. My mental health was not best the previous term, but now I hope to prioritize efficiently and execute tasks in timely manner while also embracing and enjoying the process. I also want to try ask for more help, knock on many doors as possible to collaborate for MDEF Fest. This term I want to learn Java script, UX design principles and interaction design, but also working in existing communities that have the same interests as me

22

After the Trip to Mallorca, I was radically influenced and moved by how current systems removed me and those around me from knowledge about food systems, biodiversity and ecology. Visiting a permaculture farm where we ate the food being grown in the land, woke me up to a reality that current food systems discourage this connection to the ecology of food.

What is botany? Can virtual technologies be used to spread ecosystem education and fund nurseries and silver agriculture?

VIBOLI started as a personal pursuit to better understand biodiversity and foodsystems, fixing disconnections of the ecological world. The ongoing project is an exploration and research project on how to connect the worlds of decentralized blockchain, digital arts, community and education systems about ecology. The result is a research project, the building of a virtual botanical library and a community building this together.

I was perplexed and shocked how removed I was from ecology and natural systems. Through this visit, I wanted to explore how we can create links through digital art (using touch designer in my case), working within a community and education systems about ecology.

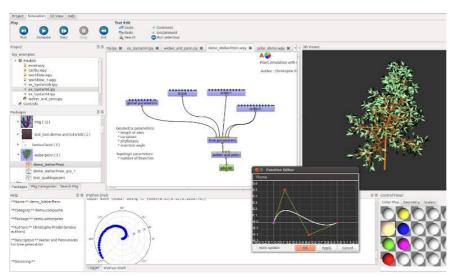
VI.BO.LI A virtual botanical Library: an on going ecosystem and community

1. Procedural Plants: Using L-systems and UNITY to Make digital, ethical 3D Model trees as tokens

The database: Who I contacted for help / collaboration

Through design reviews and talking to Jonathan from ROMI, I was introduced to a database of 80 species of plants, shrubs and trees that can be used for simulation and literacy when they grown, height, and seasons of fruiting.

Additionally Igor Borboza has a database of 300 species to be drawin / simulated in the later stages of the project. There is a wide variety to choose from and begin from, so for now I decided to install and learn the virtual simulations I will be using





Examples of models created with L-Py. Images credits: C. Godin, J. Chopard, F. Boudon. Models credits: C. Godin, F. Boudon, F. Normand, I. Grechi, E. Costes, M. Beziz, Y. Caraglio et al.

Screenshot of Openlea, a python based model using L-systems for modeling tree growth

L-systems were conceived as a mathematical framework for modeling growth of plants. L-Py is a simulation software that mixes L-systems construction with the Python high-level modeling language.

Who has done this before?

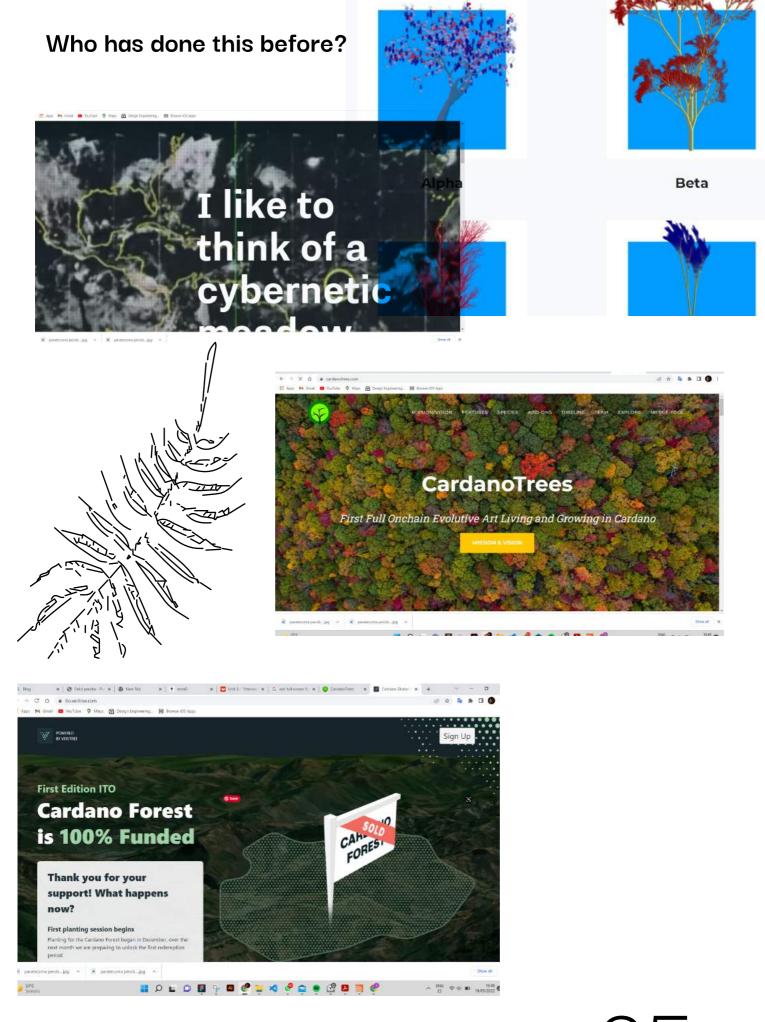
Finding Example projects and research

1- https://www.hassellstudio.com/conversation/sowing-virtual-seeds A landscape architecture firm with inhouse m developed tools for rapd prototyping of plant design. The software gives visual feedback and allows monitoring and development of botanical layout

2- http://virtualplants.github.io/index.html OpenAlea is an open source project for plant enthusiasts and researchers. OpenAlea includes modules to analyse, visualize and model the functioning and growth of plant architecture.

3- https://team.inria.fr/virtualplants/software/ Understanding L-py https://lpy.readthedocs.io/en/latest/index.html an integrated visual development environment has been developed that facilitates the creation of plant models. In particular, easy to use optimization tools have been integrated.

/ /



1/4 🜻 🖓 🖬 🚸 🗣 🥙 🚭 🤘

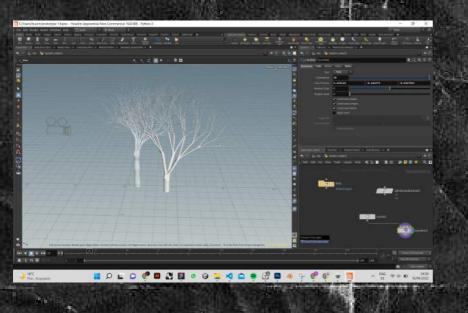
Realising that L-py is a big learning curve, I decided to turn to Houdini, a node based 3D modelling enviroment that also uses L-systems as a way to model trees

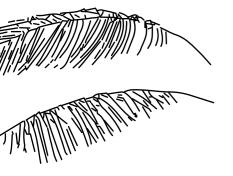
19 🗖

Houdini uses a generations slider to make mathimatical pattern of L-systems and create a fractal pattern of how the branches grow. Certain rules are assigned to determine how the tree branches grow, which I followed to model each tree species

📕 D 🖬 D 🚱 🖬 🖉 🖬 💩 🖨 🐳

4 🔳 (k) (k) (k)





The next ideology of a decentralized system Proof of work vs proof of stake

Understanding that most crypto is mined through powerful computers using a lot of energy to run blockchain systems, I kept in mind that it would be more ethical to use concepts such as proof of space "farming" processes rather than proof of work approach used by bitcoin.

Proof of work is a form of cryptographic proof in which one party proves to others that a certain amount of a specific computational effort has been expended. Verifiers can subsequently confirm this expenditure with minimal effort on their part.

Proof of stake protocols are a class of consensus mechanisms for blockchains that work by selecting validators in proportion to their quantity of holdings in the associated cryptocurrency. This is done to avoid the computational cost of proof of work schemes

Can community and knowledge sharing also form part of this value? I further imagined that VIBOLI, in connection of being a platform to know trees and ecological efforts in a virtual space, can also be a new mechanism of trust and community with people who have the same interests and values. This kind of ideology and community practice has the power to revolutionize how we fund reforestation. To further understand the potentiality of this, I contacted Igor Borboza, who is in the process of applying for funding for a reforestation project in Guanabara bay, Brazil, also interested in funding nurseries, land owners and thai project through NFTs.

The seminars on the ideology of Ethereum, helped me question how the futures of crypto currencies could look like as a value system. In most monetary systems, the middle focus is a top down government system of ownership and distribution, such as traditional banks. But how can we take advantage and also question cryptography, a means of sending and receiving information as a self governing encoded way of value sharing? What if planting trees was a means of creating value ?

Triggering tomorrow' tomorrow.

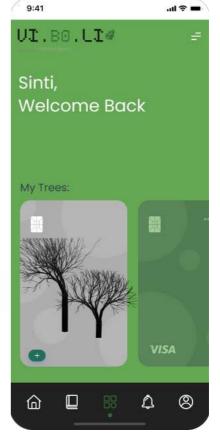
The alternative, is that whilst being a library to understand and learn about ecosystems, VIBOLI could extend into a new economy of things, a DAO with these integral values: Moderation Governance Conversation Identity

"

A new ideology rethinking sharing, community and value



??



Storyboard scenario:



#slog!"

my name is Sinti. I am a 28 year software developer from Colombia but I am currently living in Barcelona. I have started learning about in crypto currencies to broaden my money portfolio, but I feel like the world of crypto mining does not align with my values of being aware of my actions towards the environment crises. I wonder if there is a community or coin that takes into account the ecological world and also the world of alternative currencies.



Sinti, while taking a walk sees an advertisiment of an event showcasing VIBOLI as a new token. She has heard about tokens at work and the news, but she s interested in this one that grows trees. She scans the QR code to attend this event.

VI.BO.LI#

virtual botanical library

I sighted up!

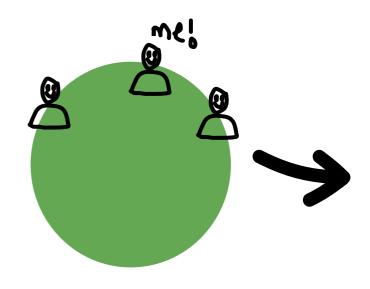


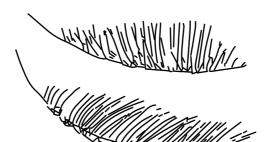
I attended this cool 3D Virtual Reality exhibition, learning about endangered tree species all the way back home! The platform has an organisation where I can adopt a virtual tree, watch it grow and also fund tree reforestation. It was so cool, I signed up to recieve more information. Apperently they need python coders, so it was cool to connect two interests and skills. I am curious if I can work with them as this really aligns with what I care about

Chapter 9: Scalability, designing yourself out

From Small Ecosytem to global DAO

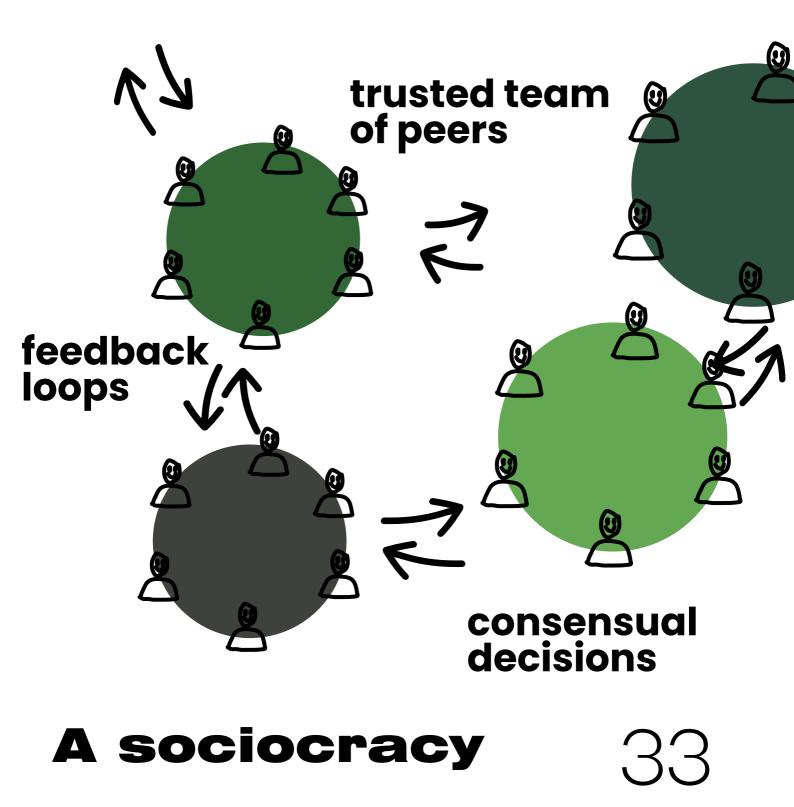
I hope to start my VIBOLI vision as a small use case, where coders, forestry specialists, artists and students can join build the community together. As the project has such a huge scope a voting system and consensus system called the Circle Method will be implemented to vote up or down assignments to be collectively done. New members of the community gain a membership token, and by taking part in the collective decision making, token value increases, where also its value and payout is collectively decided.





1/

Even though I wont be personally handling all the decision making, I would like to hope that the The most important ideas to keep as a vision would be a manifesto and the framework which the organization would operate in: A sociocracy



VIBOLI as a Sociocracy (Accountability and sustainability)

According to Ted Rau, Sociocracy is a governance system best suited for organizations that want to self-govern based on the values of equality.People refer to sociocracy as Dynamic Self-Governance or simply Dynamic Governance.

Keeping in mind the Responsible research Innovation framework, and drawing Inspiration from the book Many Voices One Song: Shared Power with Sociocracy by Jerry Koch-Gonzalez, Ted J. Rau, The applied format of VOBOLI would be an online and physical sociocracy.

The vision of the VIBOLI project is that would it to scale as a Decentralized organization eventually. Drawing inspiration from the conversations with AKASHA foundation, I learnt the possibilities and potentials of open source DAOs, with values intrinsically being to contribute to environmental efforts. In this, I hope to start my VIBOLI vision as a small use case, where coders, forestry specialists, artists and students can join build the community together. As the project has such a huge scope a voting system and consensus system called the Circle Method will be implemented to vote up or down assignments to be collectively done. New members of the community gain a membership token, and by taking part in the collective decision making, token value increases, where also its value and payout is collectively decided. Operating principles and scaling up:

Using the circle method the first step would be to engage with the stakeholder mapping (see image below) and create a small fist user case ecosystem.

Using Egalitarian values, the system would grow by voting on decisions and awarding those who are active in discussing the timeline of future efforts. Awards can come in form of tokens, where By voting users get to decide the payout.

> Collect virtual ^{Trees} Help grow real forest.

Scalability timeline

Timeline



Research of existing ecosystems

Collaboration with forestry specialist for ecosystem database and trees to be simulated.

Co-designing a community

Sessions to write a manifesto, first round of proposals, starting a treasury and governance with coders, artists, futurists and people interested in ecosystem literacy.

September 2022

June 2022





Developing and simulating trees and our own DOA

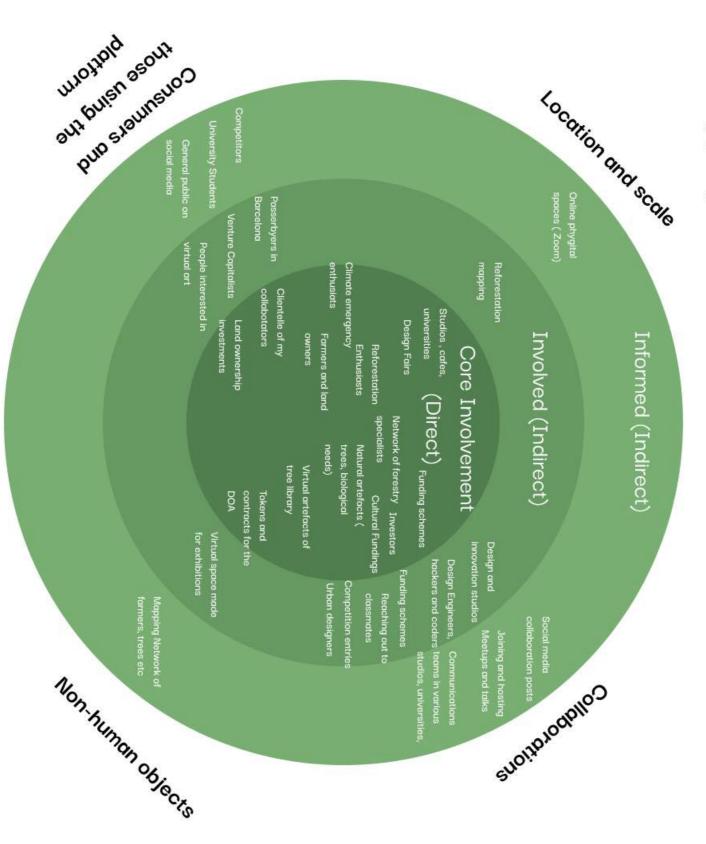
After starting the community, we can start development of virtual development tools for growing virtual trees, (currently using L-Py and Touchdesigner) One could invest in a seed of a virtual tree, which represents the reforestation of a physical tree in our researched ecosystem. The simulated tree can show the life cycle, carbon footprint and other important data of the real tree

December 2022 -

Further prototyping, making the library opensource







Chapter 10: Final Reflection

Coming out of MDEF, Mariana assured us that we will come from a rich learning experience, even though we are in different topics and journeys.

Within the eb and flows What is the latents parts of me that is a potential for myself that I fished this term. Going inward into the core of myself.

MDEF is about building my life and patterns, not a final project that should be handed in. MDEF Fest is about having solid ground about carrying on what I can carry on with

Vikrant: Maybe more magic lies in the journey towards the 'figuring out' rather than the figuring out itself.

Paula: I want to stop being in my head and do mor things with my hands. Thoughts and feelings of just going for it instead of overthinking. How is my design space molding even past MDEF, what do I look forward towards MDEFest?

Realising the connections between collaboration, community, tech and using new media as a tool for this ideas

It has always been inside me. From tyring to understand how websites work as a child, and also working in urbanism yet also having interests in taking advantage of emerging web technologies.

Using the 3 months to create a groundwork for post MDEF

Refurbishing energy and understanding what matters, time management and focusing on whats important, also prioritizing mental health

MDEFest is not the END

Its about showing each others spirit and projects. MDEFest is place for community and collaboration.

MDEFest Event Poster

YOU ARE INVITED:

DATE: LOCATION:

HOURS:

7PM-8PM MONDAY 7PM-8PM TUESDAY 7PM-8PM WEDNESDAY 7PM-8PM THURSDAY 7PM-8PM FRIDAY

VIRTUAL BOTANICAL LIBRARY OF PARTY A VIRTUAL REALITY TREE EXHIBITION

Imagine fostering a virtual tree as an and watching it grow, better its ecosystem virtually and in reality. VIBOLI in collaboration with SOFT is a master's project part of the Master of Design for Emergent Futures at IAAC (Institute for Advanced Architecture of Catalonia) You are invited to Visit the virtual space, enter the immersive exploration and meet the on going virtual botanical library of various endangered trees, and their potential as NFTs to fund reforestation efforts currently in Guanabara bay, Brazil. Learn, question, explore.

20 JUNE 2022-24 JUNE 2022



collaboration with:





ELISAVA Barrostona School of Design and Engineering



Х

MDEFest planning questions

Audience capture or measurement?: Signing up a visiting log book

Process details: I am working with Magda. I can keep track with the calendar and how I can plug in their work into mine. I would also like to talk to the other artists, ask what kind of people they are expecting to come to the event

Invite special guests or stakeholders

Classmates, My social media, open call, my lecturers, similar studios, talks with Magda about the participants of other artists

How will you balance physical and digital events?

Will you do any PR - posters

Submit a poster today for Magda, and to send

What equipment do you need?

I want to use computers to render, but also OCULUS to try out the VR, and getting familiar with UNITY

Do you need a personal data release form?

Have you considered people with limited mobility or access requirements?

How will you document the event for your learning path/portfolio? Do you need help?

Tatiana will help take pictures

Bibliography

Diez, Tomas, Oscar Tomico, and Mariana Quintero. 2020. "Exploring Weak Signals to Design and Prototype for Emergent Futures". Te m e s d e D i s s e ny 36: 70-89. https://doi.org/10.46467/ TdD36.2020.70-89

H. (2019, February 29). Performing transitions within emergent paradigms. Performing Transitions within Emergent Paradigms. Retrieved June 19, 2022, from https://medium.com/weareholon/performing-transitions-within-emergent-paradigms-452a63949b20

Build your own DAO with just Javascript in a weekend. (2022). Build space.so/p/Build-Dao-with-Javascript. Retrieved June 19, 2022, from https://buildspace.so/p/build-dao-with-javascript

Uerena, S. (2022). Responsible Research Innovation Framework [Illustration].

_ Howell, N., Desjardins, A., and Fox, S. (2021)

Cracks in the Success Narrative: Rethinking Failure in Design Research through a Retrospective Trioethnography, In ACM Transactions on Computer-Human Interaction (TOCHI). Volume 28, no.6 (December 2021), ACM Press. Article No.: 42. 1-31.

Ferrando, F., & Braidotti, R. (2020). Philosophical Posthumanism (Theory in the New Humanities). Bloomsbury Academic.

Braidotti, R. (2022). Posthuman Feminism (1st ed.). Polity.

Lpy User Guide – L-Py 0 documentation. (2022, March 6). Lpy User Guide. https://lpy.readthedocs.io/en/latest/

R. (2016, December 16). GitHub - romi/plant-imager: Hardware interface for the 3D Scanner, as well as virtual scanner. GitHub. https://github.com/romi/plant-imager

OpenAlea community – OpenAlea community website. (2014). OpenAleaLab. http://virtualplants.github.io/ index.html

Digital, C. (2021, February). Hassell | Sowing virtual seeds. Hassell. https://www.hassellstudio.com/conversation/ sowing-virtual-seeds

Software – Virtual Plants. (2014). OpenAleaLab. https://team.inria.fr/virtualplants/software/

Sociocracy for All. (2021, November 18). Learn and Share Sociocracy with the World. https:// www.sociocracyforall.org/

Master of design for Emergent Futures Thesis 2021-2021

About me: My name is Busisiwe Mgwenya, But you can call me Busi.

This is my thesis during the Master of design for Emerfent Futures at IAAC, Barcelona

My design practise centers around web3 and emerging future design solutions. I have a background in architecture, but I am currently pursuing projects in open source Innovation, decentralized infrastructure, behavioural dynamics in tech and conscious information technology consumption. I possess sound skills in graphic presentation techniques, 3D Modelling, stakeholder engagement, and a background in fine arts. Currently I am learning web3 development, and alternative UI/UX interfaces. I always strive to learn new design techniques and platforms!

MDEF 2021-22