

DIWING Collective approaches

Collective approaches enriching design principles

Design Platform





Driving

Collective approaches enriching design principles

Design Platform



Introduction

Jessica Guy, Distributed Design Platform lead at Fab Lab Barcelona | IAAC

In a world characterized by rapid technological advancements, shifting global landscapes, and the urgent need for alternative, meaningful, regenerative solutions, design plays a pivotal role in shaping our future. "Driving Design," presented by the Distributed Design Platform, embarks on a journey through the transformative power of design in the contemporary era.

This book is not merely a collection of theories This book is a testament to the potential of and principles; it is a dynamic exploration of design's capacity to drive innovation, foster inclusivity, and navigate the complexities of our interconnected world. Through the lens of the Distributed Design Platform, we delve into the multifaceted aspects of design that extend far beyond the creation of physical artifacts. As our societies evolve, so must our approach to design. We advocate for a paradigm shift, challenging conventional norms and embracing a postcolonial and post-anthropocene perspective. We navigate the intricacies of design education, emphasizing the importance of breaking free from outdated systems to empower a new generation of designers capable of shaping policy-making processes.

design to address the pressing challenges of our time. Join us as we venture into the realms of collaborative experimentation, where designers become agents of change, translating methods across different contexts and sectors. We invite you to explore an alternative present that is not confined to the status quo, but seing design as a driving force behind systemic transformation.

> Enjoy a glimpse into the field of the ever-evolving field of Distributed Design.

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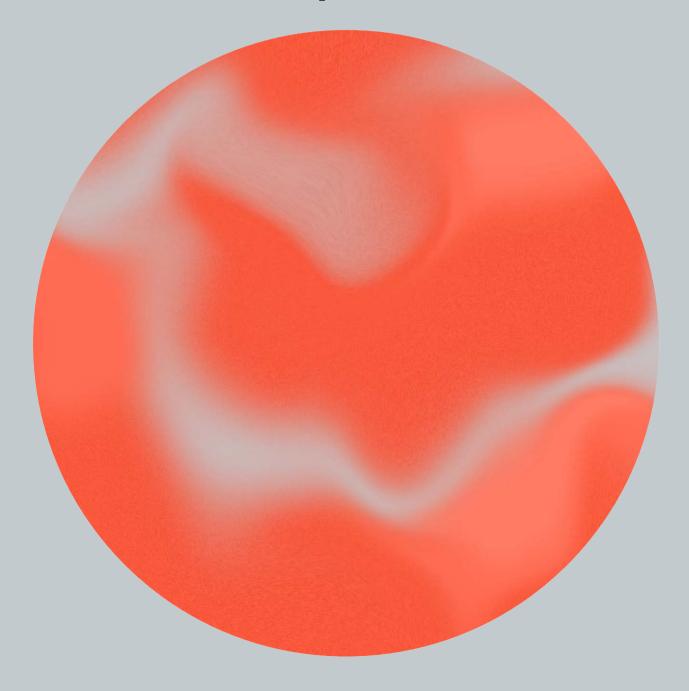
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Living with worlds:

Ecologies of practice and kinship



In the vast and interconnected web of life, we find ourselves entwined with countless worlds—each a unique tapestry of experiences, practices, and kinships that shape the very fabric of our existence. We delve into the profound interplay between our actions, the environments we inhabit, and the relationships that bind us.

From the intimate rituals of our personal spaces to the broader communities we engage with, we will navigate the landscapes of practice and kinship, seeking to unravel the threads that connect us to the worlds we call home. The term "ecologies of practice" beckons us to consider the intricate dance between our daily routines and the environments in which they unfold. From the smallest gestures to the grandest endeavours, our actions ripple through the interconnected ecosystems of our existence, leaving imprints on the worlds we inhabit. Simultaneously, "kinship" invites us to reflect on the diverse bonds that tie us to both the human and non-human elements of our surroundings. Whether familial, cultural, or ecological, these connections form the foundation of our identity and influence the way we navigate the landscapes of our shared worlds.

As we traverse the pages of this exploration, we will encounter stories of individuals and communities whose lives exemplify the delicate balance between practice and kinship.

Seeds of Digital Reforestation

By Felipe Schmidt Fonseca from GIG and Northumbria University

"Protecting what is left is not enough As the voracious chainsaw cashes in We need to understand it is already enough And replant the forest"

Gil + Gilsons¹

A few years ago, British author John Thackara was invited to present his book "How to Thrive in the next economy"² in the USA. In his lecture³, he urged us to "think like a forest". The book draws parallels between various movements in communities worldwide, weaving alternatives to design tomorrow's world today, as Thackara puts it. This vision of a common field encompassing multiple forms of action suggests that solutions to major contemporary problems should not be expected to come from a centralised grand plan. On the contrary, the way forward would be the complex and continued weaving of ultralocal initiatives that understand the conditions, culture, needs, and dreams of their immediate contexts. Naturally, each of these solutions has its obstacles and limitations, and that is precisely why it is necessary to find ways to create bridges of communication and understanding - connections - between them. Thackara's book is an attempt to build those bridges.

I was reminded – once again – of that talk when my colleague Bernardo Schepop and I were presenting the semente project at a conference on Critical Infrastructures in Amsterdam in 2023. Bernardo is a designer who participated in the early stages of conceiving what would become the MetaReciclagem network, back in 2002 in Brazil. We reconnected twenty years later when I was planning a new phase in a series of collaborations between the University of Bristol , the Neos Institute in Brazil, and Brazilian initiatives that are reference points in working with technology in communities. Since then, I have been working with Bernardo on several projects, semente being chief among them.

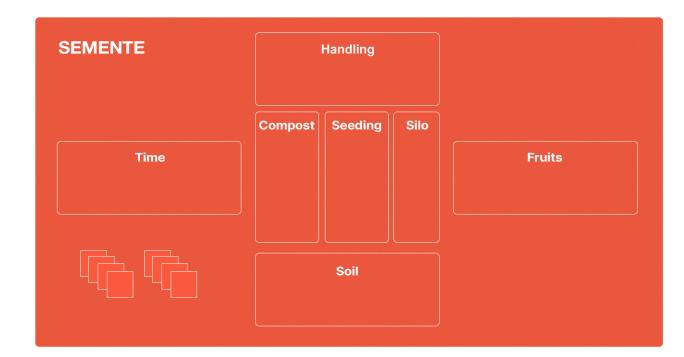
Semente is a collaborative tool for advancing community initiatives. We are working to distil decades of experience in open, people-centred, and participatory projects into a format for straightforward application. It builds upon previous work, especially the ID21 study⁷ and the fonte.wiki⁸ repository. At its core, semente prompts people to reflect on four

perspectives that, we believe, should be part of every attempt to develop ideas and desires in the community: soil (foundations, preconditions, prior experience), handling (practices, tactics, and their adaptations based on environmental observation and changes), time (cycles, memory, documentation, and planning for future generations), and fruits (expected outcomes, how to measure them and assess their impact).

We designed semente to be a dynamic and iterative method. It is currently shaped as a canvas in which those four macro areas (soil, handling, time, fruits) are set – to help map and project conditions, desires, long-term commitments and relations to what lies outside the community. The canvas can be approached in any order. At its centre, the other three areas aid in defining the particular identity of the initiative, or its seed:

- Compost is where we put all the decisions that can not yet be made. Points in which consensus is lacking, aspects that require more data to be collected, or factors outside the community that still need time, observation, and learning.
- Seeding is the heart of the community, so to speak.
 Here we describe who the community is in direct and indirect terms, what are its boundaries, how it sees itself.
- Silo is the place to preserve elements for later. Such elements can take many forms: accomplishments, principles, ethos to uphold, limits the community won't overstep.

Beyond the name itself – semente is Portuguese for "seed" – the areas of the canvas echo, obviously, the choice of a set of analogies that refer to cultivation, care for plants, and the regeneration of nature. We had a first round of methodology tests in July 2022 during the Tropixel Semente Festival, in Brazil. Tropixel is an open space for critical discussion and building of alternatives connecting society, nature, and technology. Through a series of interactive sessions at that time, we collected feedback from participants coming from quite diverse walks of life. Those sessions left us with doubts about whether



to keep using analogies coming from vegetable cultivation and care. Would that approach condition the use of the tool to possibly cartoonish depictions of gardening? For some time, I accepted this question as unresolved and allowed myself to reflect further. It was only during the event in Amsterdam almost one year later, however, that I realised the importance of reaffirming these botanical metaphors that are also cultural – in the very sense of "culture" as cultivation: collective care for the continuous reproduction of conditions for life.

The idea of thinking about technology and culture as supporting the emergence and regeneration of life is not new, of course. As one among many possible examples: nearly a decade ago, Luciana Fleischman and I conducted a study on experimental digital culture – available here [OR code 1], in Portuguese. One of the interviewees for that study, Jorge Bejarano Barco

IMAGE 1. Macro areas of semente.

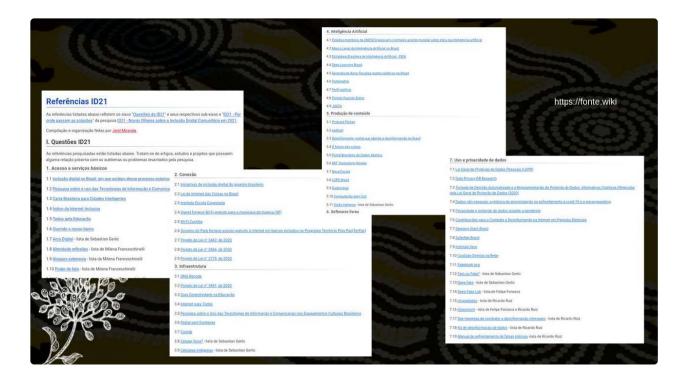


Read the study on experimental digital culture here

from the Museum of Modern Art in Medellín, stated that it is impossible to promote innovation without first fertilising the creative ecosystem. It is interesting to think about what this image - soil fertilisation - can suggest based on one of the strongest commonalities between Brazil and Colombia: the Amazon rainforest. Science says that the soil under the Amazon is relatively poor in nutrients, which surprises anyone who has had contact with that dense and vibrant ecosystem. What keeps the forest in continuous reproduction are not the pre-existing physico-chemical conditions in the earth below it but the ongoing transformation of organic matter into nutrients enabling the emergence of new life - an accelerated, constant, whilst arguably superficial and precarious cycle. And yet, the forest is there, dense and active, recognised as a fundamental asset for maintaining life in Latin America and the whole planet. This superficial layer of organic matter is called in Portuguese _serrapilheira_ ("plant litter" in English, according to Wikipedia[10]. Many forest restoration projects adopt a strategy to restore vegetation in stages. They start using low-growing species with a rapid life cycle that protects the soil and creates basic conditions - plant litter - that will later enable the introduction of larger species.

On the other hand, it is always important to remember that the other humid forest in Brazil, the Atlantic Forest, does not achieve the same international prestige. Sadly, not even within the country. The estimates vary slightly, but it is a fact that around 90% of the original area of Mata Atlântica – which used to cover a large part of the Brazilian coast and extended so deeply inland that it reached over a thousand kilometres in, by the borders of present-day Paraguay

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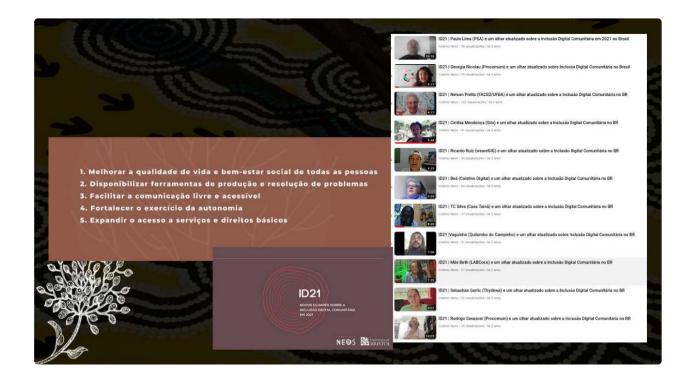
- no longer exists as a forest. It went through centuries of destruction and species replacement, land grabbing, illegal occupations, and successive waves of exporting soil nutrients in the form of sugarcane, coffee, milk, soybeans, beef, and other commodities. Areas that used to be covered by dense multi-species forests have been transformed into mono-culture plantations for export. The effects of climate change have long been a concrete reality in inland cities in Brazil, which have become hotter and more prone to extreme events. This is a direct consequence of replacing the dense, diverse, and humid Atlantic Forest with what is sometimes called a green desert - hectares and hectares where only one species is cultivated. And vet, the less than 10% remaining area of the Atlantic Forest harbours a number of animal and plant species greater than the entire European continent. Analogies can certainly be superficial and lead to distortions or over-simplification. On the other hand, when used consciously, they serve as a way to provide perspective, organise thoughts, and seek inspiration from different knowledge areas, allowing us to find alternative ways of approaching situations. By employing cultivation and regeneration as central metaphors for semente, we are not merely thinking about recreational backyard gardening with seeds bought from grocery stores in industrial packages. I recall a discussion among several people participating in the Tropixel network, among whom I highlight the contribution of Fabs, Fabianne Balvedi. The topic was digital permaculture, a theme that had emerged in other networks related to Tropixel and that Fabs brought to the table. We discussed the limits of the analogy of "gardening" (which, I admit, we used guite a bit in the past when discussing the daily work of

editing and maintaining the content of wiki sites). Illustratively, in 2022 a European politician suggested that Europe was a "garden" and the rest of the world a "jungle" trying to invade it. In this context, I obviously cheer for the jungle. Quite to the point, that enclosed form of gardening as something imposed onto the environment by human hands, taking the form of an artificial construct to isolate itself from nature, does not work for what we intend to develop with semente. We are more interested in drawing inspiration from integrated and systemic perspectives – permaculture, agroforestry, and bioregional thinking that integrates city, countryside, and nature.

That is the backdrop of our contribution to regenerating public technology policies with a focus on communities. Metaphorically, the seed is but a small piece in a complex scenario. It should be understood as an elementary unit for conserving and propagating the genetic diversity of certain plant species. It is important to emphasise this: the seed does not create clones. It is not about automatically replicating the DNA of a specimen, in the sense that some mistakenly interpret it with images like the "selfish gene". It is not about DNA conservation, but rather it's remixing with the present environment. The seed speaks of diversity and multiplicity, not repetition. It is an element of memory and rebirth, connecting all previous generations with the current development conditions: soil, water, sunlight, among others.

The semente toolkit emerged from a process that

IMAGE 2. The semente canvas (November 2023 version).



started three years earlier amidst the COVID-19 pandemic. At that time, the University of Bristol was interested in understanding the landscape of media appropriation and digital technologies in Brazil to inform a creative project that was being conceptualised. To meet that expectation, I assisted the Neos Institute in Brazil in designing and managing a survey in which we conducted short interviews with kev individuals who had been involved in various initiatives of what was called "digital inclusion" in the early 2000s. The interviews with those individuals shed light on the importance of discussing the consequences of the dismantling of public policies in the years since the political coup in 2016. In the project report, titled ID21¹², this absence of policy was one of the most striking points. It is important to remember that in 2021, Brazil was governed by an extremist regime with authoritarian aspirations, which rejected much of what had been developed previously in fields related to human rights, social inclusion, and cultural diversity. Development policies for Brazilian digital culture, social participation, and representation of differences no longer had the institutional support they had previously enjoyed.

IMAGE 3. Graphic documentation of Tropixel Semente by [Marina Nicolaiewsky]

What made me realise the relevance of insisting on the agro/botanical analogies of the semente project during the event in Amsterdam was precisely the fact that, when presenting it in an international context, I saw myself referring to that period of policy dismantling in Brazil as one of desertification. I also suggested that the multitude of initiatives that had developed there, mainly between 2002 and 2012, was, in contrast, a forest of initiatives. It is important to emphasise this image again: at that time, we did not have a well-tended garden or a monocultural plantation of projects. It was a complex forest surviving through movement and invention, thus surpassing precariousness. There was a lot of experimentation, we had many mistakes, a lot of intentions did not take root. And yet, even though many of the people involved suffered the effects of a lack of predictability, bureaucratic difficulties, the absence of an overarching strategic vision, and competition for scarce resources, all while combating idea thieves and ill-intentioned opportunists, still there was a continuous creation of life, the building of symbiotic alliances, flourishing where least expected. The following stage of cooperation between Neos Institute and the University of Bristol aimed at responding to another condition: the involuntary evanescence of collective memory. We suffered the disruption of access to the online portal of Brazilian digital culture, where numerous projects had documented their processes and discoveries, references, and productions. To investigate the question of what remained of those initiatives of digital inclusion, we created the online repository fonte.wiki. There, we set out to prototype an environment to organise and share lists of references and content



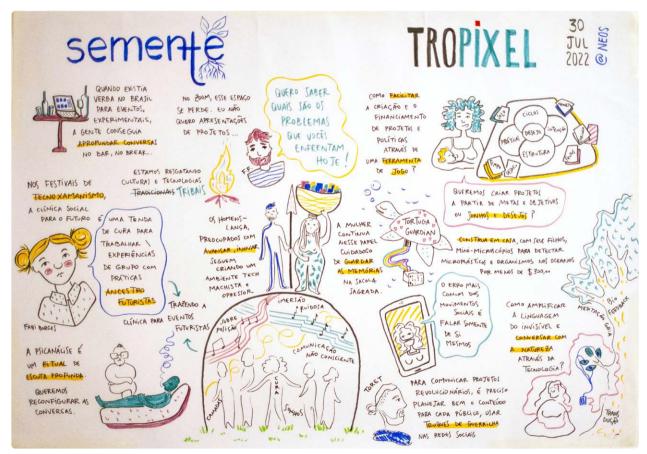


IMAGE 4. ID21 study. Report available

IMAGE 5. Sample of contents in [fonte.wiki]

that serve as a basis for many projects interested in community-based digital public policies. Obviously, the choice of the term fonte (Portuguese for "source") evokes the role that free and open-source software played in the origins of Brazilian digital culture, where numerous projects had documented their processes and discoveries, references, and productions. To investigate the guestion of what remained of those initiatives of digital inclusion, we created the online repository fonte.wiki. There, we set out to prototype an environment to organise and share lists of references and content that serve as a basis for many projects interested in community-based digital public policies. Obviously, the choice of the term fonte (Portuguese for "source") evokes the role that free and open-source software played in the origins of Brazilian digital culture. But the fonte in Portuguese can also be read as "water fountain" - the constant supply of water, capable of countering desertification if properly managed.

Recently, many initiatives have emerged that aim to help people – even those with limited technical knowledge – understand how technologies work, the implications they have in our lives, and how we can minimally mitigate the risks they bring forth. These initiatives are of utmost importance, focused on individual and collective defence and protection. In the context of the analogies I am discussing in this text, I can see them as conservation initiatives. However, one must wonder how to go beyond mere conservation and move towards regeneration, reforestation, and valuing what escapes the framework of gardening and mono-culture.

With semente, we take a different path from many open methods for building technology-based projects that assume the need for a project leader. We equate such a character with the prototypical gardener – usually a man, white, educated, with knowledge of multiple languages and ties to powerful individuals – who convinces the world to help care for the outcomes of his store-bought seeds, whilst killing wild species and other competitors. Our bet, on the other hand, is to always start observing and creating relationships, discovering who the community is in all its diversity of knowledge, aspirations, and levels of involvement – our dense and complex forest – to collectively build what we want to be together.

We propose to think of community in a broad sense. Not a group that shares a single common trait – geographical, ethnic, religious – but a combination of multiple and diverse commonalities. To accomplish this, we need to create connections between multiple species and understand that it takes time. Tall trees cannot exist without the prior presence of fungi, ground cover vegetation, shrubs, and smaller trees, as well as microorganisms, insects, fish, birds, and other animal species. As far as metaphors go, we are aware that not all plant species propagate through seeds. Still, we insist on the relevance of developing methods that help understand the conditions and act on them. Our seed – semente – is one such experiment.

Follow the development of semente on Github [QRcode 2]: An earlier version of this text was submitted to be published in an upcoming edition of Facta, edited by Fred Paulino, in Brazil. As conversations and experiments with semente evolved, however, I felt like updating some parts of it and posted it to my blog [QRcode 3]. My special thanks to Sofia Galvão Lima for the feedback that triggered some of these updates.



Follow the development of semente on Github



Read an updated version of the article on the blog

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EXCERPT 3. Designing within queer ecologies means reconsidering hosting and caring through the prism of multispecies practices, which urges to step back from the front of the scene to deploy togetherness – and by doing so make space for fungi and for other creatures

EXCERPT 4. Collaborative design thrives on the multitude, for it brings together different people, groups, entities, and creatures - all looking for something they have in common, how to reach a compromise, and how to make something together.

EXCERPT 5: The gueer, the creature, the odd one is often considered other and antagonised when they have always already been there.

EXCERPT 6: As a designer, before even diving into the project, this also involves reconsidering how much I can actually (anthropo-)decentre myself, and how willing I am to give up the boundaries of human exceptionalism and domination.

EXCERPT 7: Caring for your waste instead of feeding the cycle of displacement is possible when a relation of care is developed and adapted to daily life..

I Grew Tired of Radical Education

pp. 138

Engy Mohsen in conversation with Mohamed Abdelkarim, Huda Zikry, Batool El Hennawy and Hussein El-Haji

[1] The Roznama Studio Program was designed and led by Mohamed Abdelkarim, Nour El Safoury and initially Ahmed Badry.

[2] Didem Yazici, Heba Farid and William Wells alongside Medrar for Contemporary Art—the art space organizing the annual competition and

[3] Sara C. Motta. (2012). Nottingham Free School: Notes Toward a Systemization of Praxis. In: Robert H. Haworth Anarchist Pedagogies llective Actions, Theories, and Critical Reflections on Education. USA: PM Press. 145 - 161.

[4] All conversations in this text were recorded, and later on freely translated and edited for brevity and clarity.

[5] Engy Mohsen is an artist and curator currently based between Zürich and Cairo. She took part in various independent study programs, namely Roznama 6 - Studio Program (2018), MASS Alexandria's Independent Studio and Study Programme (2018/19), Artists for Artist's Masterclass: Radical Care (2020), and School of Commons (2022 - 2023). She is one of the co-founders of the artist group K-oh-llective.

[6] Mohamed Abdelkarim is an artist, performer, filmmaker, and researcher. He has a performance-oriented practice. He was one of the programmers of the first and second editions of the Roznama Studio Program. He received his MA in Arts in Public Spheres from édhéa /ecay, Switzerland (2016), and is currently a Ph.D. candidate at the Akademie der bildenden Künste in Vienna.

[7] Found on the Facebook page of StudioKhana for Contemporary Art, February 14, 2022.

[8] Huda Zikry is a visual artist and researcher interested in contemporary art history, art education, and translation. She joined Studio Khana for Contemporary Art and Cultural Development (2016). Since then, she has worked on designing and facilitating three editions of the annual Student Council program, and the culminating group exhibitions.

[9] As part of Another Roadmap for Art Education, the group consisted of Nour El Safoury, Hussein El-Hajj, Rana ElNemr, Andrea Thal, who focused on researching local histories of arts education and plotting alternatives.

[10] Batool El Hennawy is an artist and writer. She studied at the Faculty of Fine Arts, Helwan University. She worked at CILAS in Cairo and Alexandria (2015 - 2019). She has joined various art institutes and educational initiatives in Cairo, Alexandria, and Amman as a curriculum designer, artist, curator, consultant, and researcher.

[11] Hussein El-Haji is an activist and researcher. He is the current coordinator of CILAS in Cairo and the founder/director of CILAS in Alexandria, where he is also teaching. Hussein has contributed to "Another Roadmap School", an international platform that provides open spaces for trans-regional exchange and learning in arts education as an engaged practice committed to social change.

1. All I could remember was the amount of times I had to read the phrase 'Radical Education' in one of the texts... I wondered whether the repetition helped stress the meaning, or rather drowned it in mere redundancy.

2. I always asked myself radical in what way. I always asked myself what alternative to what

3. I felt that by having these conversations, I would come closer to any answers. After all, these are all people that I shared personal learning

4. I am tired because I have failed to come closer to understanding the paradoxical relationship between language and knowledge.

Acción Veredas | Paths-Action

pp. 142 Arianna Mª Fanio González; Carlos Jiménez Martínez; Jorge de la Torre Cantero

[1] Dougherty, Dale. 2012. "The Maker Movement." Innovations: Technology, Governance, Globalization 7, no. 3 (2012): 11-14.

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[8] Estudio Valija. "ANDA". Accessed September 2021. https://estudiovalija.

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[11] Acción Veredas. "Proceso de aprendizaje compartido en torno al diseño de una alfombra de baldosas hidráulicas" YouTube video. May 10, 2022. https://www.youtube.com/watch?v=0uExnmZ2utc.

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EXCERPT

1. The project aims to highlight the value of the declining heritage of hydraulic tiles in the Canary Islands.

2. We create a workshop that combines heritage conservation with educational community participation and the promotion of new forms of

3. To act as a bridge between the local and the global, creating significant experiences in the territory that generate resources accessible worldwide.

Found Objects

Jesse Howard, Marije Remigius, Iñigo Puerta Uranga and Paola Zanchetta

1...an average of 30% of sheet material processed by CNC ends up as waste. For Fiction Factory, this means that they throw away an equivalent of 2,000 sheets of new material every year.

2. Collaboration has been the essential element driving the Found Objects project development from the very beginning.

3. We believe that what we treat as waste today could be seen as a resource, and systematically become a new raw material tomorrov

4. Found Objects is a project that breeds new ways of working, thinking, and valuing circular techniques, in order to produce technologies locally, which if distributed, will have a global impact of change for good.

Chapter 03

Living with worlds: Ecologies of practice and kinship

Fouté-Difé

pp. 18 Emma Bereau

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[10] https://traditionsamoun.com/culture-et-traditions/le-fouet-tout-un-

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[29] Sugar bags

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1. Monument of the drummer Marcel Lollia, known as "Vélo", in Pointe-à-Pitre, Guadeloupe (November 16, 2016. (https://commons.wikimedia.org/ wiki/File:161116_Marcel_Lollia_Guadeloupe.jpg) Rennboot. CC-BY-SA 3.0)

2. Drum player, Paul Rastocle playing at an event (November 18, 2017. (https://commons.wikimedia.org/wiki/File:B%C3%A8I%C3%A8_Tradition_(3).jpg). Dalia Del Arte. CC-BY-SA 4.0 (https://commons.wikimedia.org/ wiki/File:B%C3%A8I%C3%A8_Tradition_(3).jpg). Dalia Del Arte. CC-BY-SA 40)

3. Déboulé at Le Moule, Guadeloupe (February 10, 2019. (https://commons.wikimedia.org/wiki/File:Carnaval_Le_Moule_Guadeloupe_2019_01.jpg). CC-BY-SA 4.0)

4. Mas Vyéfo in the carnival in Basse-Terre, Guadeloupe (March 5, 2019. https://commons.wikimedia.org/wiki/File:Carnival_in_Basseterre,_Guadeloupe.jpg). Pkraemer. CC-BY-SA 4.0)

EXCERPT

 When individuals grapple with an unclear understanding of their personal history or heritage, it becomes difficult to establish a sense of

2. Through the performances, costumes, and rituals of the carnival, the community engages in a continuous act of remembering, revisiting, and reinterpreting its history and identity.

3. ...to emphasize the importance of strong collective participation in this spontaneous carnival is to advocate self-affirmation of that same identity.

Seeds of Digital Reforestation

pp. 168 Felipe Schmidt Fonseca

[1] Refloresta. https://www.youtube.com/watch?v=YAQxp-rkFVM

[2] https://thackara.com/about/publications/

[3] https://www.youtube.com/watch?v=JDd7J-CLlxq

[4] https://metareciclagem.github.io/

[5] https://bristol.ac.uk/

[6] https://coletivoneos.org/instituto-neos/

[7] https://fonte.wiki/id21

[8] https://fonte.wiki/

[9] https://tropixel.org

[10] https://en.wikipedia.org/wiki/Plant_litter

[11] https://web.archive.org/web/20221108232246/https://twitter.com/diem_25/status/1581960992069517312

[12] https://fonte.wiki/id21

3. Graphic documentation of Tropixel Semente by [Marina Nicolaiewskyl (https://marinanica.wixsite.com/vida)

4. ID21 study. Report available [here] (https://archive.org/details/ID21_0-5/) (PDF, Portuguese).

5. Sample of contents in fonte.wiki

EXCERPT

1. The way forward would be the complex and continued weaving of ultralocal initiatives that understand the conditions, culture, needs, and dreams of their immediate contexts.

- 2. The idea of thinking about technology and culture as supporting the emergence and regeneration of life is not new... It is not about DNA conservation, but rather it's remixing with the present environment. The seed speaks of diversity and multiplicity, not repetition.
- 3. With semente, we take a different path... Our bet, on the other hand, is to always start observing and creating relationships, discovering who the community is in all its diversity of knowledge, aspirations, and levels of involvement - our dense and complex forest - to collectively build what we want to be together.

Fouté-Difé

pp. 158 Emma Bereau

[1] Angela Davis, Freedom is a Constant Struggle (F. Barat, Ed.). Haymarket

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- [3] Breny Mendoza, Decolonial Theories in Comparison Journal of World Philosophies 5 (Summer 2020): 44-45.
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- [11] Sobonfu Some, The Spirit of Intimacy: Ancient African teachings in the ways of relationships (William Morrow, 1997), 84.
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- [14] Indy Johar, Video: A New Theory of the Self with Bayo Akomolafe and Indy Johar (Othering and Belonging Institute, UC Berkley 2023: https:// belonging.berkeley.edu/video-new-theory-self-bayo-akomolafe-and-
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[24] The Noble Quran, 41:53

- 1. Ritual and ceremony serve as tools to locate the past, situate the present and shape the future. As we reflect on the practices of embedding futures with ritual, we come to the importance of manoeuvring through
- 2. In beingness, we attend to our lives with care and attention, during times of great upheaval and during peaceful times.

3. Beingness, therefore, could be regarded as an act of sitting with the uncertainty that prevails in the Anthropocene, yet allows us to reckon with the magic within, in which new ethics of love allow us to walk the path of Earth- and Wisdomkeepership of our times.

os*tomy

pp. 182 Nikolaus Potapow

- 1. Recognising patients' great dependency on donations, as well as the impact current practices have on the environment meant a clear call to action to design a system for a market that has as of yet been neglected.
- 2. Holistic thinking brought up seaweed-based polymers as a resource that does not consume any arable land while having a positive impact on the oceanic climate during growth.
- 3 os*tomy is not only a safe and sustainable medical product for colostomy patients, but an accessible set of knowledge and tools that empower communities to help the ones in need.
- Putting os*tomy into practice also builds knowledge: as an open-source platform, communities might develop it further, adapt it to patients needs and share their knowledge amongst themselves.

Eat me eat me not

pp. 188 Manuela Viezzer

- [1] Krupennikova, Katia (curator). 2019. Futures Without. HKU MA Fine Art Graduation 2019. Utrecht, NL: HKU Exposure.
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- 1. Eat Me Eat Me Not was developed with the aim to influence players, make them think about what is really going on when animals are exploited within intensive farming, and eventually stir their behaviour towards
- 2. Games can be powerful tools to involve players and inspire them to think in novel ways. They can also be designed with purposes other than entertainment, for example with the aim to raise people's awareness around certain topics and to encourage making certain desired choices in
- 3. 'Making kin' encourages thinking beyond species-specific and is a reminder that all earthlings are kin, in the deepest sens
- 4. Making kin is a global practice rooted in localised practices

Intercommunal Collaborations

pp. 192 Zeynep Uğur

- [1] Kothari, A., Escobar, A., Demaria, F., Acosta, A., & Salleh, A. 2019. Pluriverse: A Post-development Dictionary, India: Tulika Books. AuthorsUpFront
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- [4] New Allies, 2021, "How governments can unlock the potential of social entrepreneurs for the common good - Catalyst 2030." Accessed June 7, 2023. https://catalyst2030.net/resources/new-allies-report/.

- 1. Intercommunal Collaborations' role is providing a space for alternative visions rather than defining them.
- 2. Breaking the bubble of our current norms, the IC workshop provides the space to reflect upon our values and assumptions.
- 3. Intercommunal Collaborations is inherently rooted in the local context. providing space for a bottom-up worldviews to spark global change.

Disperse the Spectrum / Disperse the Spectres*

pp. 200 Roc Albalat, Pau Artigas, Marc Padró, Marcel Pié and Daniel Pitarch

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- 1. Computer vision does not look at the world, it looks at images of the world. It is a new piece that fits into the tradition of the came
- 2. To shroud AI in secrecy is to mystify it, to prevent us from understanding that it is yet another twist in the logic of our society.
- 3. Generative tools can be interesting if we understand them as analysing training data, as a kind of distorted return

Feminist Hardware: Making Printed Circuit **Boards with Natural Clay**

pp. 206 Patricia J. Reis and Stefanie Wuschitz

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- 1. It is an open secret that the hardware in our smart devices contains not only plastics but also conflict minerals such as tungsten, tin, tantalum, silver and gold.
- 2. Heinz Lackinger is a pottery crafter in rural Austria who works with prehistoric techniques of firing clay in an open wood fire.
- 3. Feminist hacking as a methodology implies an unorthodox approach to electronics - queering, questioning and deconstructing biased tech

HARBORS

pp. 212 Vincent Guimas

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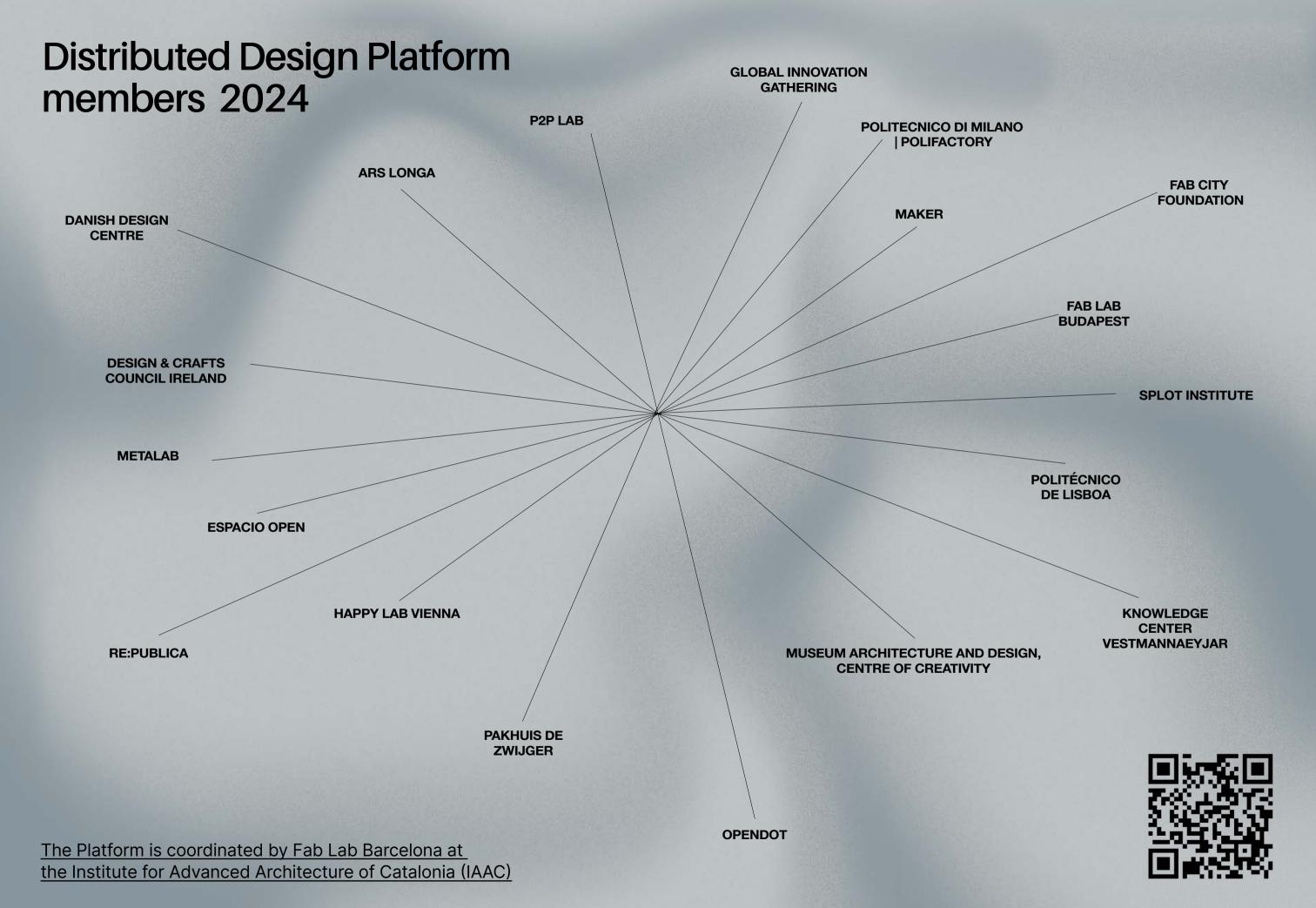
- 1. Access to the riverbanks is once again possible, allowing new experiments and open research to be undertaken by bringing together a wide range of expertise, providing a favourable framework for citizen and
- 2. For HARBORS, design is conceived as the ability of creators to sew together Culture and Nature in an inspiring and very local way.
- 3. The workshop is at the heart of the HARBORS approach. It is the parliament of the hand, a space for learning and democracy in the service of commitment and inclusion.

The World as a Museum of Colonization

Carolina Almeida, Marielle Sam-Wall, pp. 222 Stella Dikmans

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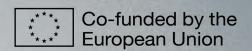
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Driving Design is the sixth of seven publications from the Distributed Design Platform. Established in 2017 and co-funded by the European Union, the Distributed Design Platform brings together Fab Labs, Makerspaces, cultural organizations, universities, and design centers from around the globe.

Driving Design is a non-exhaustive collection of articles, reviews, and profiles that represents and highlights the motivations, opportunities and challenges that drive the practitioners and the field of Distributed Design.

The book curates a collection of works under five umbrella themes, each of which offers the space for the Distributed Design community to share their vision, approaches and areas of exploration to answer who and what are the drivers of Distributed Design.

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