

13/09/1999
Based in Cambridge
+ 33 6 04 49 93 25
hello@milenelaforge.com

languages

french – native
english – C1

education

MA graphic design
transmedias
2019 – 2021
ensaama school – Paris, FRANCE

BA graphic design
printed option
2017 – 2019
ensaama school – Paris, FRANCE

experiences

Freelance graphic design
since 2022
Paris, FRANCE

Freelance collaboration with studio Oficina
2023 – 2025
— graphic design
— project management and coordination
Paris, FRANCE

Graphic design internship BANK™
September 2021 – March 2022
Berlin, GERMANY

Graphic design internship RUBIO Y DEL AMO
October 2020
Murcia, SPAIN

Printmaking internship MAISONRISO
October 2017
Paris, FRANCE

workshops & talks

Conference
— Free and low-tech graphic design.
October 2024
ensaama school – Paris, FRANCE

Workshop Web to print
— Led a 20-hour workshop with MA 1 students
March – April 2024
ensaama school – Paris, FRANCE

Conference — Free graphic design: methods, tools,
and graphic productions outside of standardized
professional frameworks.
November 2022
ensaama school – Paris, FRANCE

projects & clients

VISUAL IDENTITY
— Résonances [exhibition](#) | *Musée d’Évreux* | 2025
— Saut Hermès 2025 | *Hermès International* | 2025
— Ernesto Neto | *GrandPalaisRMN* | 2025
— Emotions of the Sun | *Veuve Clicquot* | 2024
— Poem of pearl | *documenta Kassel* | 2022

WEBSITE (design et programming)
— Studio de Lostanges [showcase website](#) and e-shop | *Handcrafted fashion* | 2025
— People-file [showcase website](#) | *Casting agency* | 2024
— Doria Kriouche [showcase website](#) | *Illustrator* | 2023
— Giacomo Nanni [showcase website](#) | *Illustrator* | 2022
— Antoine Szatkownik [CV website](#), web-to-print | *Doctoral-researcher* | 2022

EDITORIAL DESIGN
— Catalog Résonances | *Musée d’Évreux* | 2025
— Saut Hermès 2025 brochure | *Hermès International* | 2025
— Emotions of the Sun exhibition editorial box set | *Veuve Clicquot* | 2024
— Rendez-vous aux jardins [leaflet](#) *Parcs et Jardins* | *Centre des monuments nationaux* | 2024
— Rencontre en haute gastronomie | *Edrington* | 2023
— Graduation thesis | *ensaama* | 2021

GRAPHIC DESIGN
— Fête en Hermès 2025 | *Hermès Parfums* | 2025
— Chinese New Year 2025 | *Hermès Parfums* | 2025
— Vinyl front cover | *Minimum Success Records* | 2022
— Architectural Coffee Break | *L’atelier DEV* | 2021

SIGNAGE
— Palais Galliera Façade | 2024

TYPE DESIGN
— Poppy | 2023
— Guida | *Laucke Siebein Type Foundry* | 2021 – 2022
— Font custom *Century Schoolbook* ensaama Graduation
thesis | *ensaama* | 2021

skills

— Mastery of Adobe Creative Suite (InDesign, Photoshop, Illustrator, After Effects)
— Mastery of Figma
— Strong command of HTML & CSS | Currently learning JavaScript & PHP
— Mastery of Kirby (CMS)
— Project management and coordination of creative teams
— Strong teamwork skills

interests & tools

Active involvement in the Free/Libre Graphic Design movement, advocating for the open dissemination of tools and knowledge.

Self-initiated several projects related to free and F/LOSS (Free/Libre & Open Source Software), with a particular interest in experimental tools, themselves free and often connected to programming.

Since September 2025, contributor to the maintenance of the PrePostPrint collective.

Tools / Ongoing projects
— Copyleft | [Website](#) compiling resources (events, actors, texts, licenses, tools, glossary) on free graphic design | 2021 →
— Jeu de mots combinatoires | Online game combining language and algorithms; planned release as a web to print projec | 2022 →
— Code snippets | [GitHub](#) repository of various HTML, CSS and JavaScript snippets | 2022 →
— Motif generator | Experiments with SVG features in CSS | 2023 →
— Générateur de chemin de fer en ligne | 2023 →
— Missing Links [!] | Micro-site exploring the phenomenon of *Link Rot* | 2025

Creation of the visual identity for the exhibition *Emotions of the Sun*,
a traveling photo journey celebrating the sun, in collaboration with Magnum
Photos. Eight world-renowned photographers share their own vision of the
sun as a source of joy and optimism.

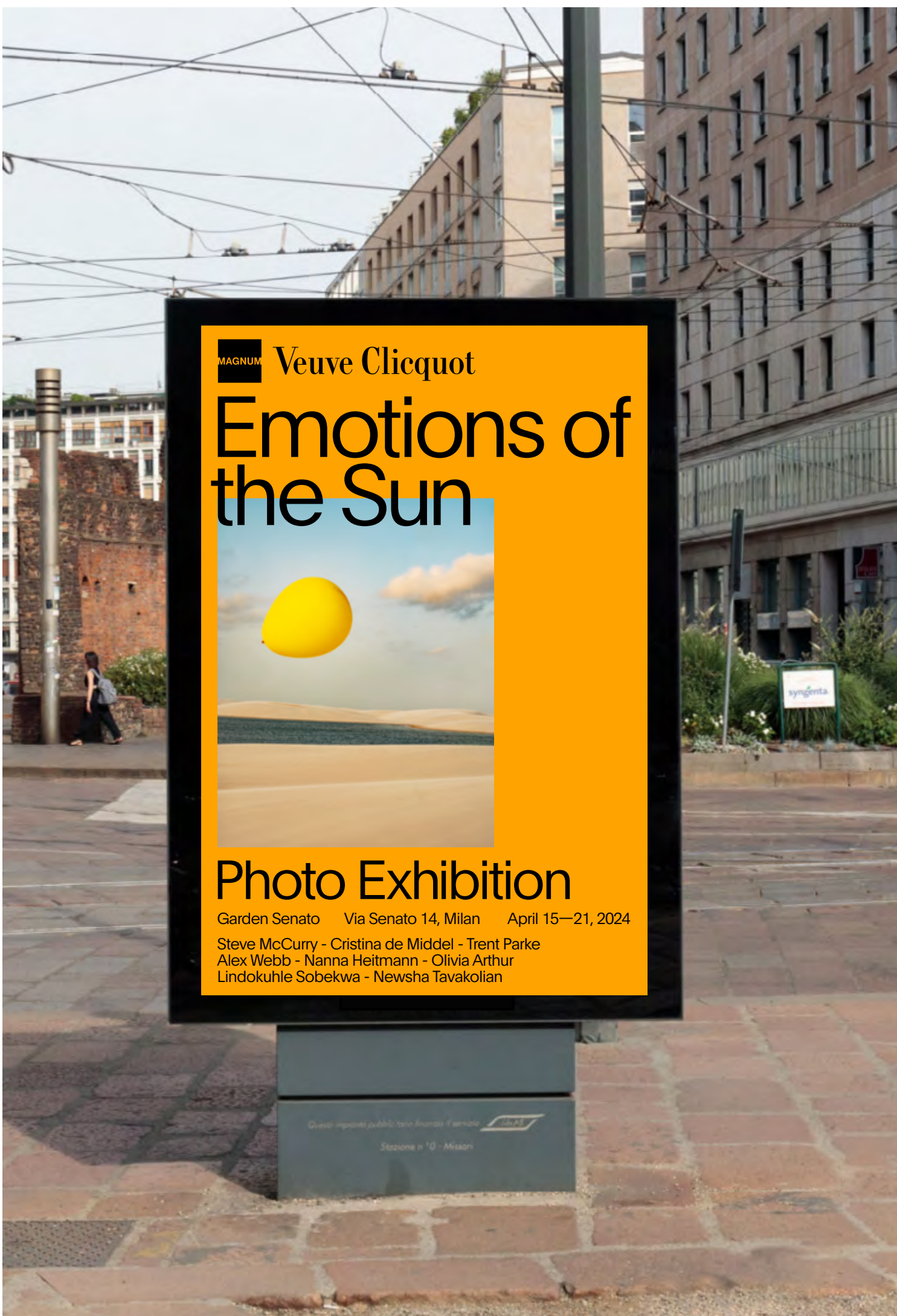
Initial exhibition at Milan Design Week 2024
followed by showings in New York and Mexico.

event duration: 1 week (Milan Design week)

Under the artistic direction of studio Oficina
with Studio Hudson Catty

Coordination of creative teams
Graphic design
Rollout of the identity across all print and digital media
360° communication
Editorial design of the exhibition box set with
photographic prints

contact: Iryna Shkorubska
ishkorubska@veuve-clicquot.fr





Creation of the visual identity for the Saut Hermès 2026.
Adaptation across all media: posters, signage, digital assets,
and printed invitations.

event duration: 3 days

Under the artistic direction of studio Oficina
and Hermès International

Rollout of the identity across all print and digital media
360° communication

contact: Rachel Cazadamont
rachel.cazadamont@hermes.com







Creation of the visual identity for the Saut Hermès 2025.
Implementation of the visual guidelines and adaptation across all media:
posters, signage, digital assets, and printed invitations.

event duration: 3 days

Under the artistic direction of studio Oficina
and Hermès International

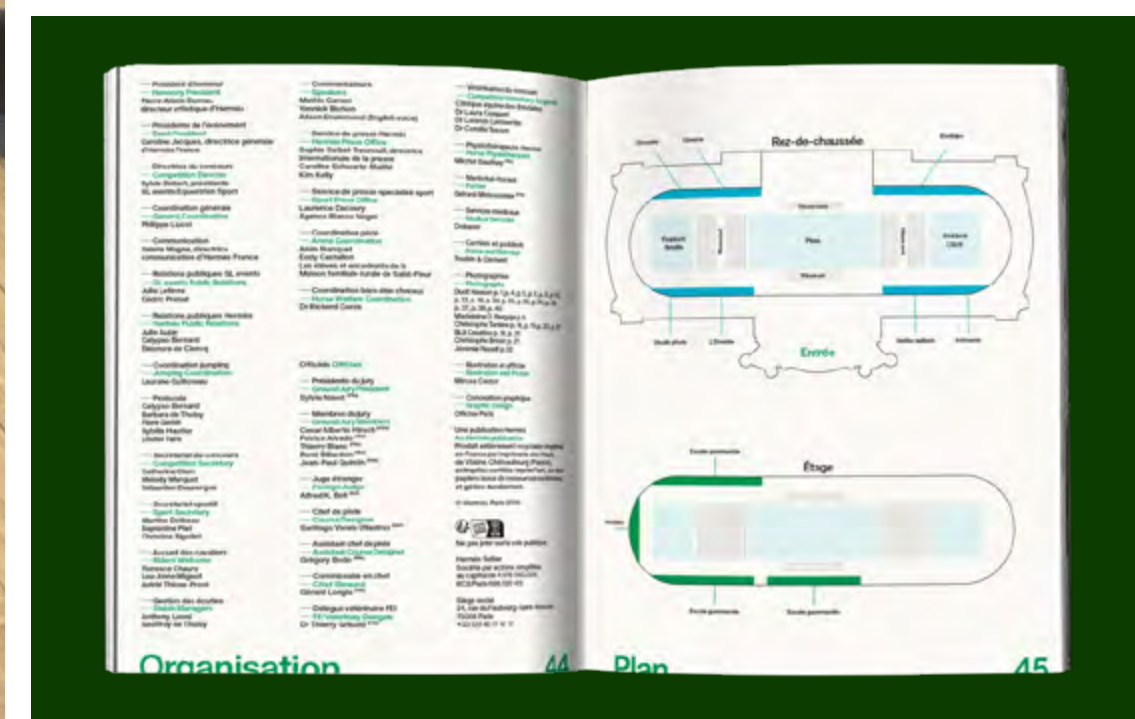
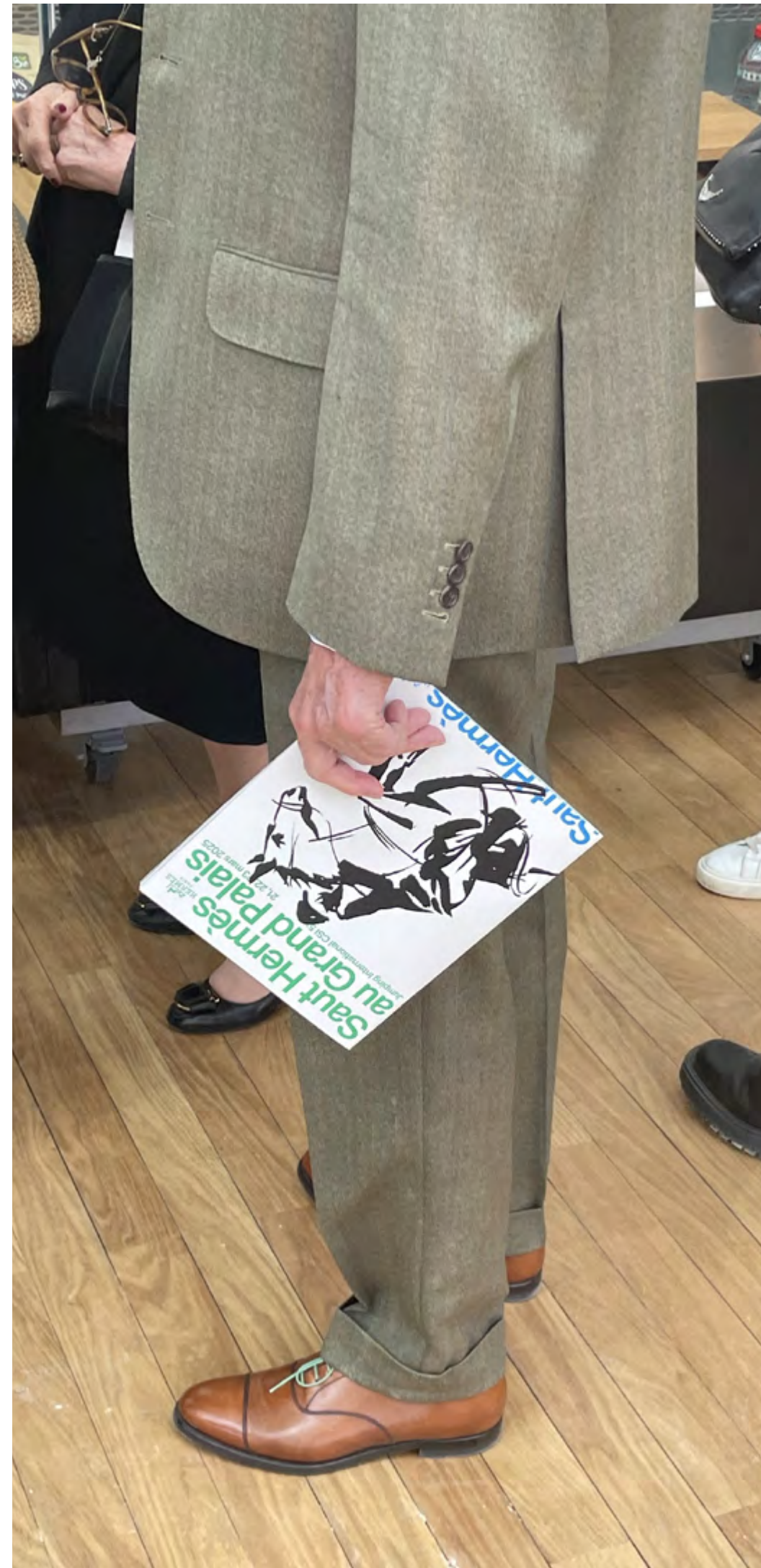
Rollout of the identity across all print and digital media
360° communication
Graphic design and layout of the brochure.

contact: Rachel Cazadamont
rachel.cazadamont@hermes.com









Visual identity created for the exhibition
*Résonances – Guillaume Costeley (1531 - 1606) et l'orgue
du Musée d'Évreux* at the museum of the same name.

Graphic design of the poster, the panels along the
visitor route, and the exhibition catalog.

event duration: 6 months

With Lucille Alepis & Elsa Saunier

Graphic design of the poster and exhibition identity
Rollout of the identity throughout the visitor experience

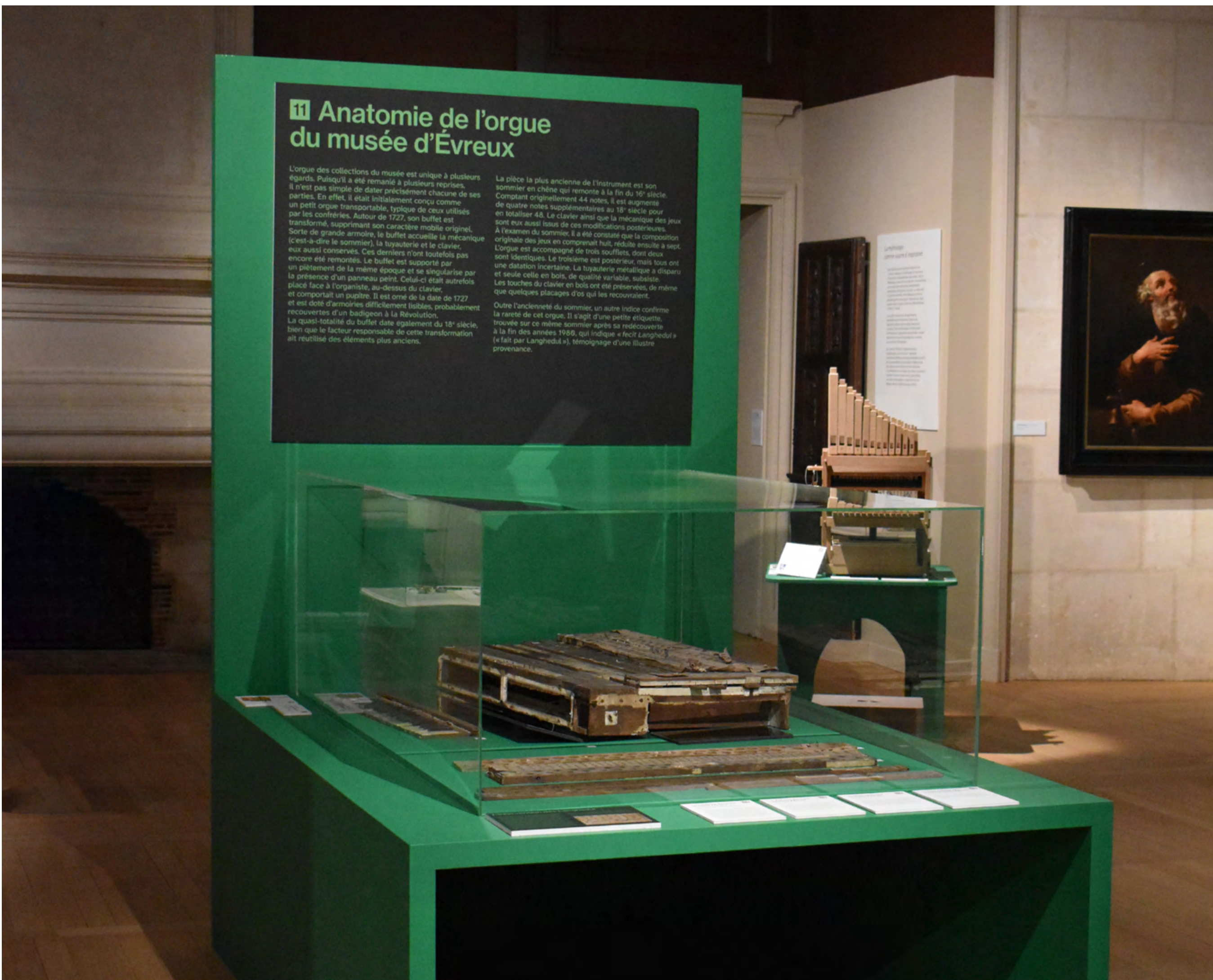
Graphic design and layout
of the exhibition catalog. 175p.

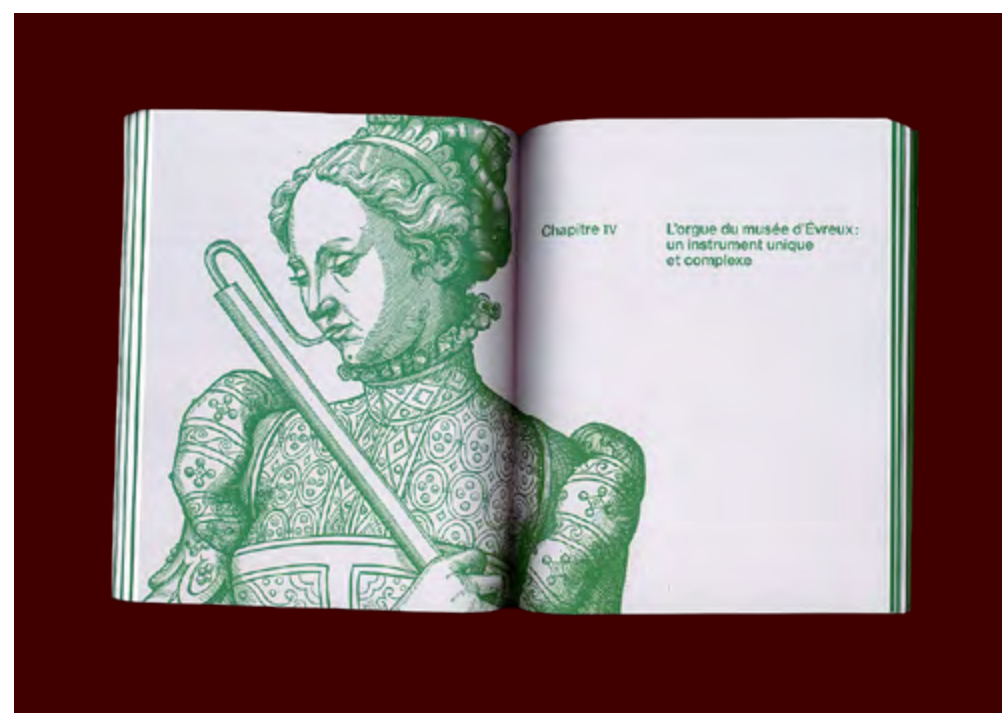
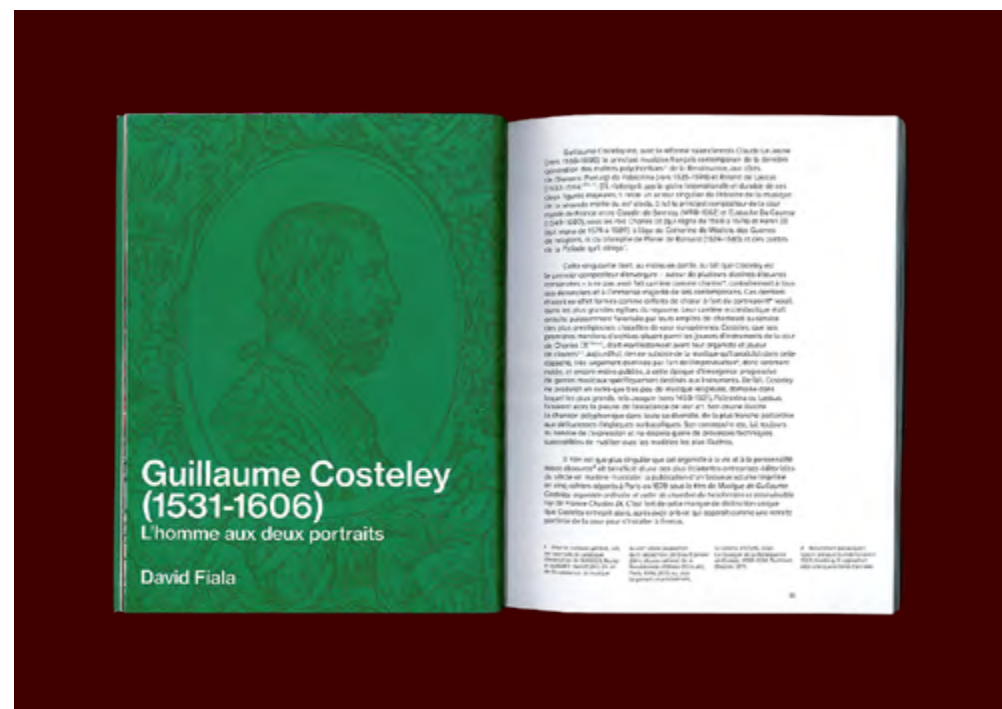
curator: Zoé Delacourt & Natacha Roehrig
documentatlist: Marjolaine David

contact: Zoé Delacourt
Zdelacourt@epn-agglo.fr









Visual identity created for artist Birthe Blauth's installation
in St. Elisabeth's Church during documenta fifteen, Kassel 2022.

Inner space of the whole church is covered with artificial meadow.
In the middle there is a big bowl containing 100,000 real pearls.

event duration: 4 months
award: 100 Best Posters 2022
poster display:
at Kulturforum (Berlin, Germany)
at Lahti Museum of Visual Arts Malva (Lahti, Finland)

Under the artistic direction of BANK™

Graphic design of the poster and visual identity
by BANK™
Graphic support for 3D and reworking
of GF Becker typography

Poem of Pearls
4.6.–2.10.22
Birthe Blauth in
der Elisabethkirche
Aktivitäten des
Bistums Fulda und der
Katholischen Kirche
Kassel anlässlich
der documenta fifteen
Friedrichsplatz 13,
34117 Kassel
Öffnungszeiten:
Mo.–Sa.: 11–20 Uhr
So.: 12–20 Uhr

Wir danken herzlich unseren Förderern: Aachener Grundvermögen Kapitalverwaltungsgesellschaft mbH, accredo GmbH Unternehmensberatung und Versicherungsmakler, Bank für Kirche und Caritas eG, designwerker GmbH, Lafuma Mobillier, Premium Kunstrasen, Scentcommunication, Stadtkunst Regensburg, Unpainted. Das Kulturamt der Stadt Kassel unterstützt das Begleitprogramm. www.kunstraumkirche.de Facebook: elisabethkirche Instagram: @elisabethkirchekassel



Poem of Pearls

Birthe Blauth in der Elisabethkirche
4.6.–2.10.22. Eintritt frei
Mo.–Sa.: 11–20 Uhr, So.: 12–20 Uhr

Aktivitäten des Bistums Fulda und der Katholischen
Kirche Kassel anlässlich der documenta fifteen
Friedrichsplatz 13, 34117 Kassel

Wir danken herzlich unseren Förderern: Aachener Grundvermögen Kapitalverwaltungsgesellschaft mbH, accredo GmbH Unternehmensberatung und Versicherungsmakler, Bank für Kirche und Caritas eG, designwerker GmbH, Lafuma Mobillier, Premium Kunstrasen, Scentcommunication, Stadtkunst Regensburg, Unpainted. Das Kulturamt der Stadt Kassel unterstützt das Begleitprogramm. www.kunstraumkirche.de Facebook: elisabethkirche Instagram: @elisabethkirchekassel





Graphic design of the poster for the installation
Nosso Barco Tambor Terra by Brazilian artist Ernesto Neto.
The free installation was part of the Grand Palais d’Été
2025 programme.

With studio Oficina
Under the artistic direction of GrandPalaisRMN

Graphic design
Adaptation to various formats

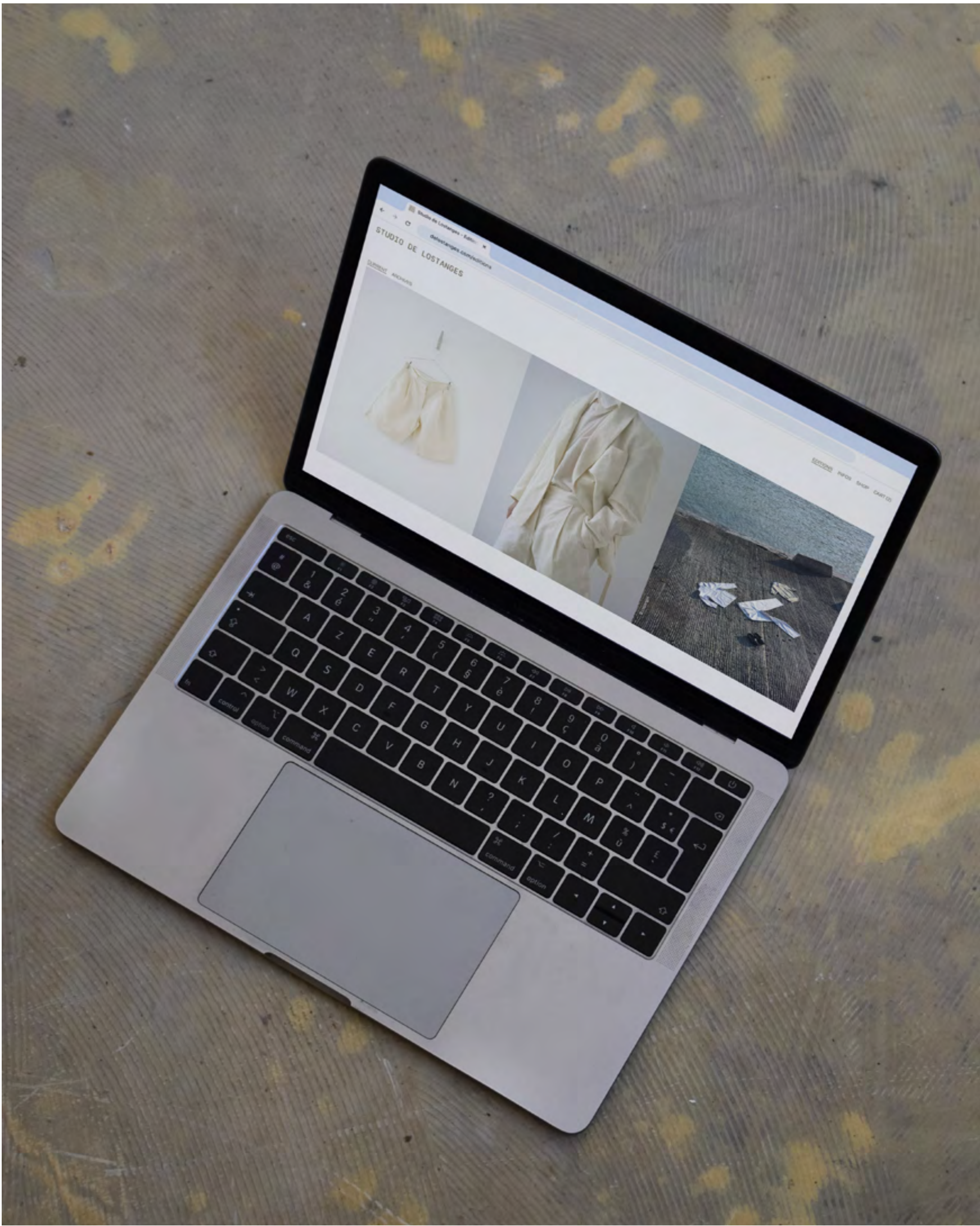
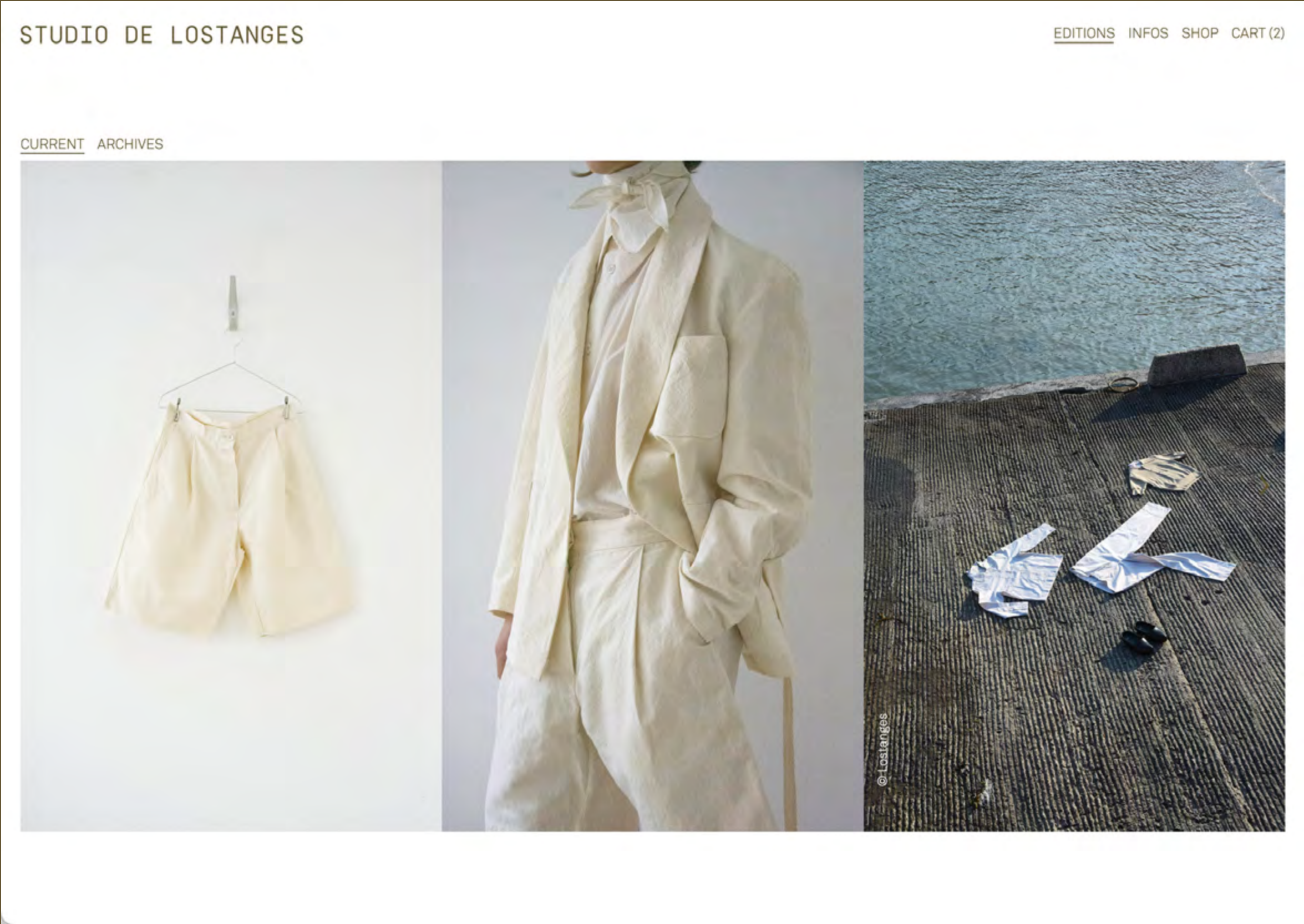


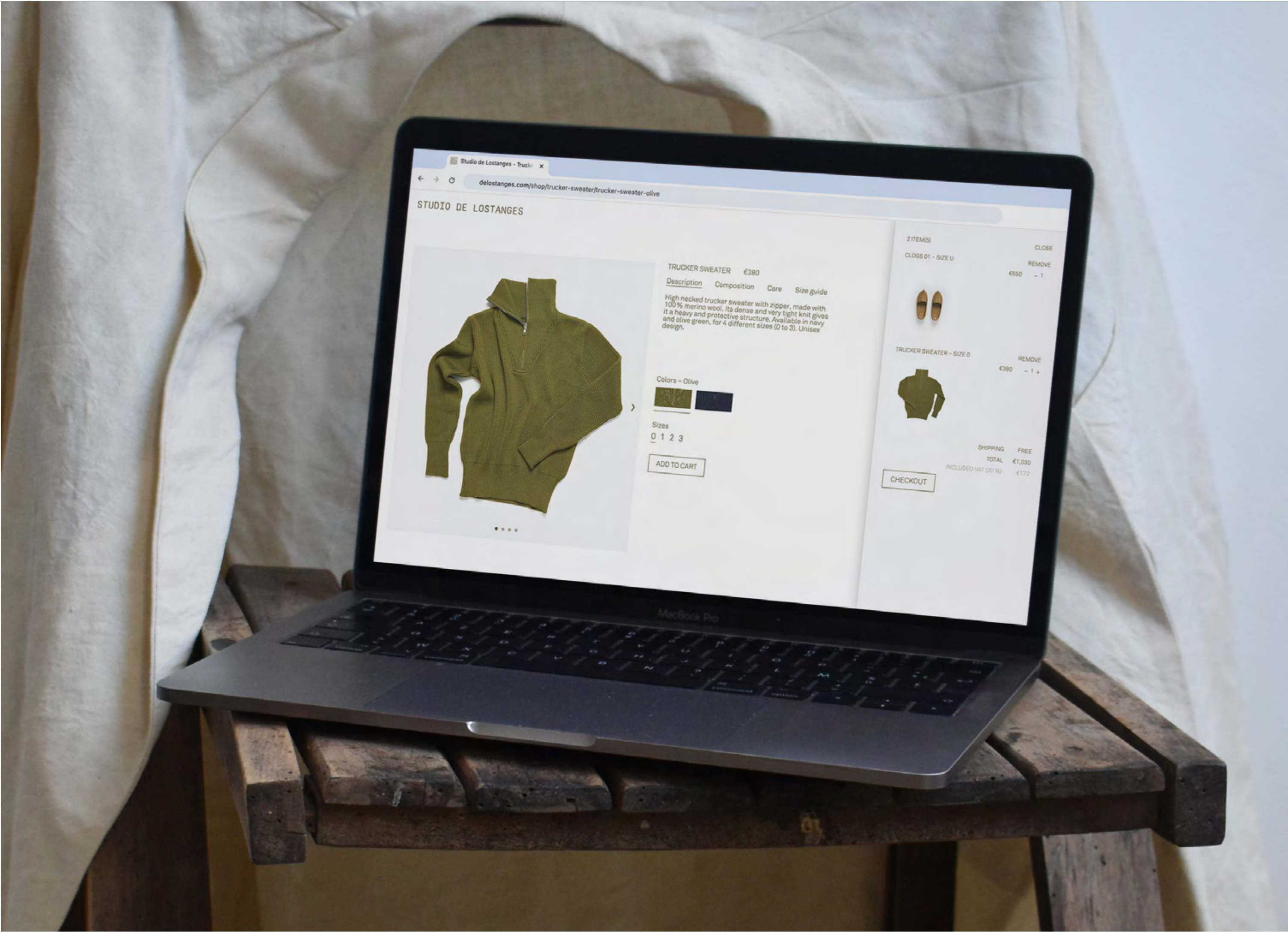
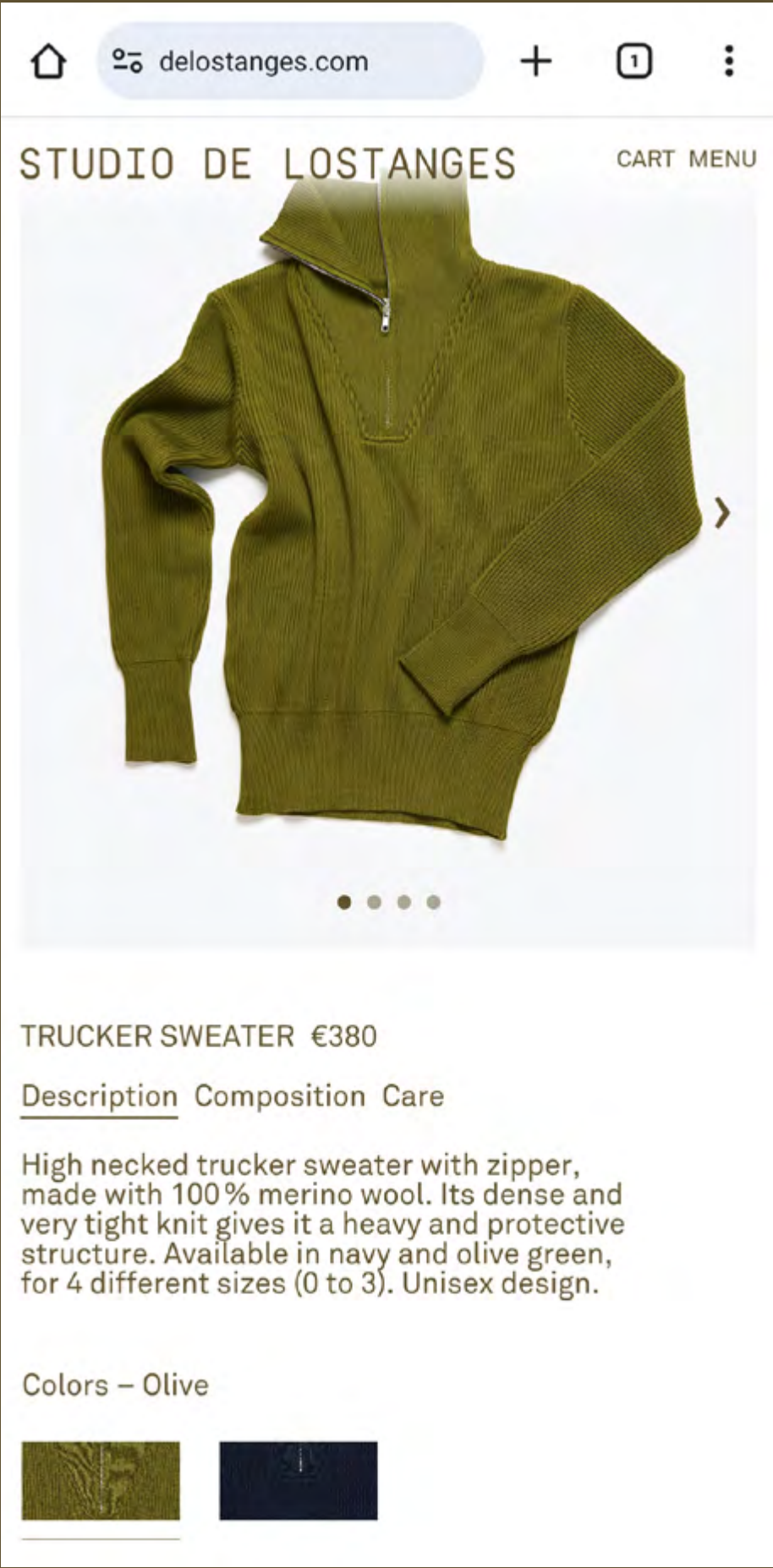
Design and development of the website for Studio de Lostanges, a Breton artisan fashion brand. The layout – created in collaboration with the studio – is simple, elegant and timeless, highlighting the quality of the products

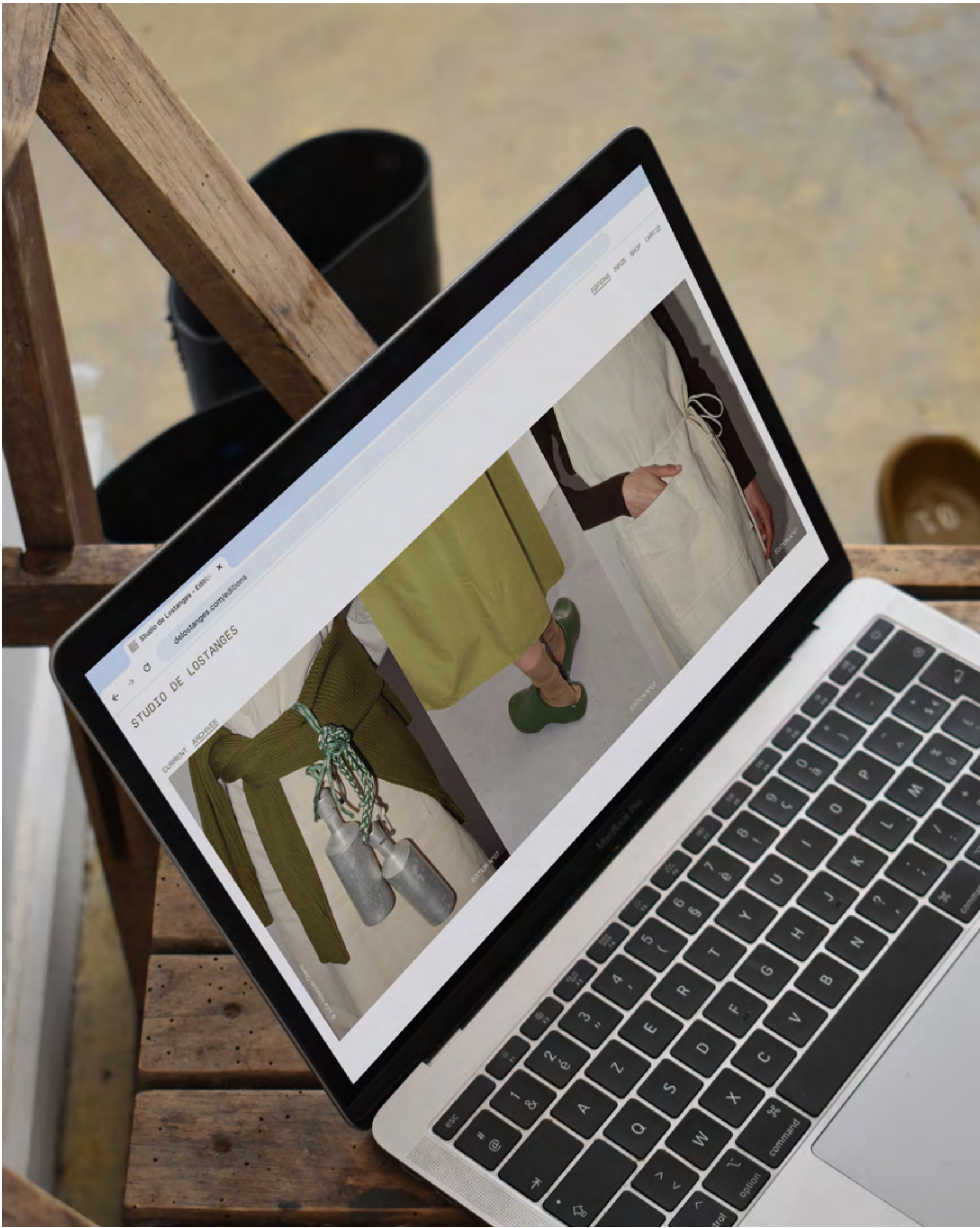
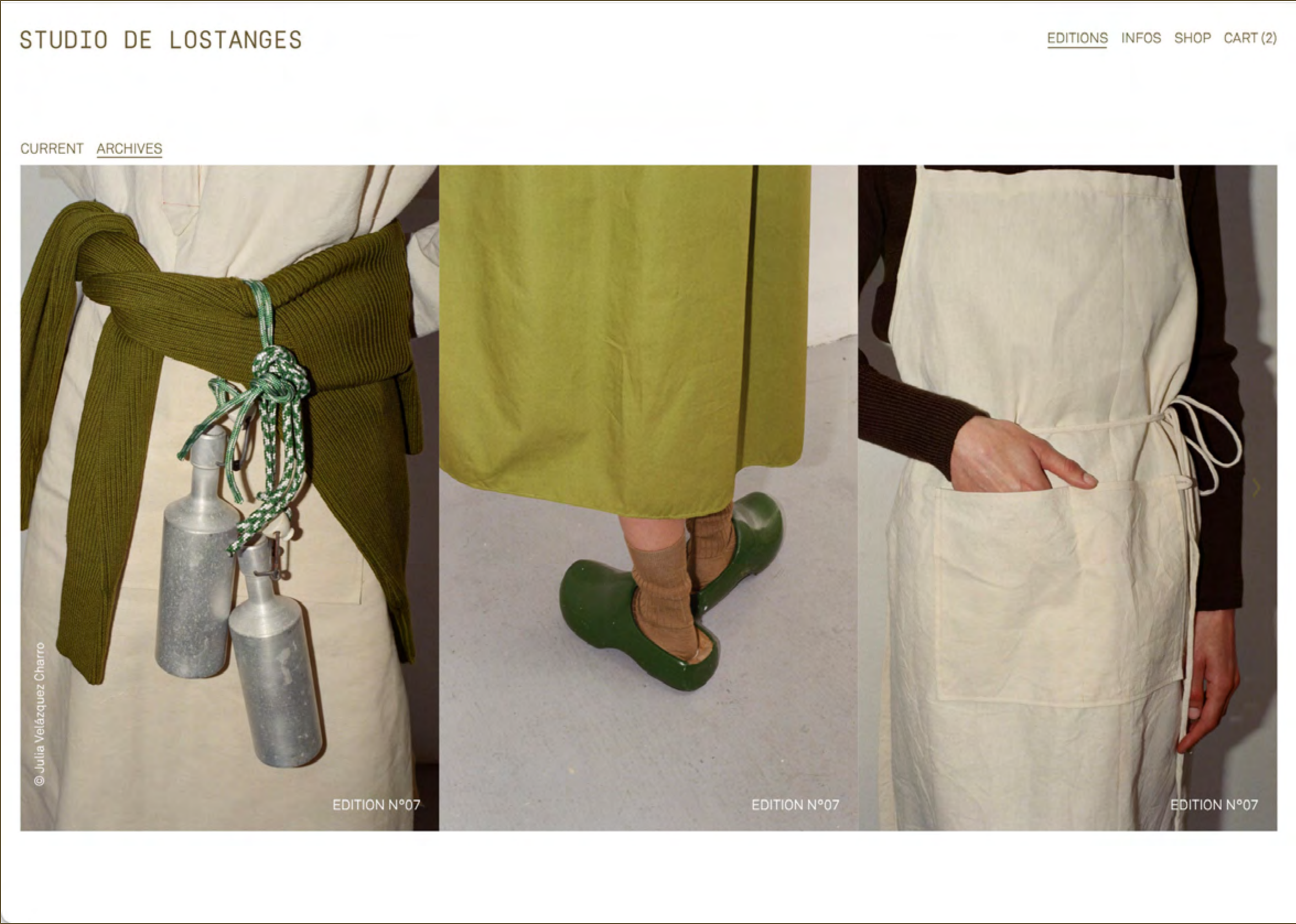
link: <https://www.delostanges.com/>

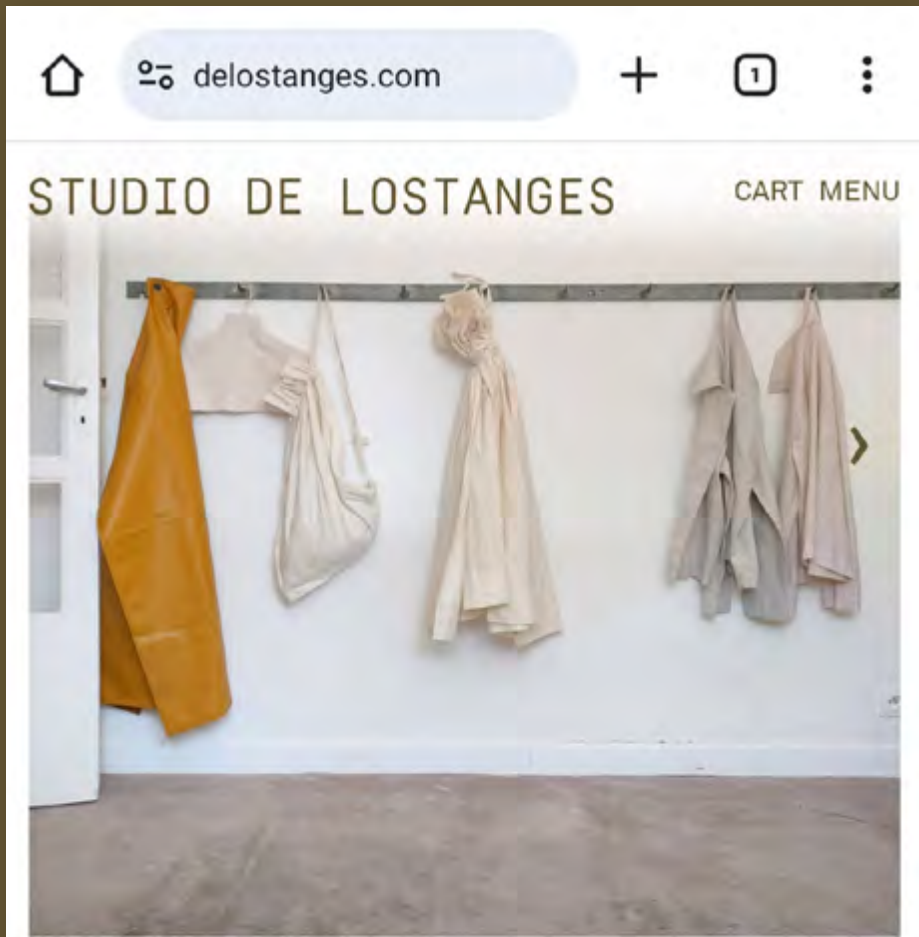
Graphic design (mock-up)
Web development with the Kirby CMS
in PHP/HTML, CSS and Javascript
Online publication

contact: Jeanne Tresvaux du Fraval
studio@delostanges.com









Credit: Lostanges

Founded in 2019, Studio de Lostanges was born out of a deep connection to traditional craftsmanship and the region of Brittany. We design contemporary garments made from durable materials, far removed from industrial logic.

BRITTANY

Our workshop is based in Bréhec, in a former hotel built by our great-grandparents in the 1950s. Tucked into the cliffs of Plouha, Bréhec is a discreet seaside town in what was once called the Côtes-du-Nord—an area defined by its stark, rugged, and wild beauty. Brittany, once a key hub for technical clothing in France, still hosts a vibrant network of manufacturers and workshops. Each of our pieces are handmade here. This work reflects a commitment to preserving resources and fostering a circular economy, closely tied to these places of transmission and craftsmanship. Our designs are inspired by workwear and seafaring trades: tightly knitted sweaters, long canvas coats, protective hoods.

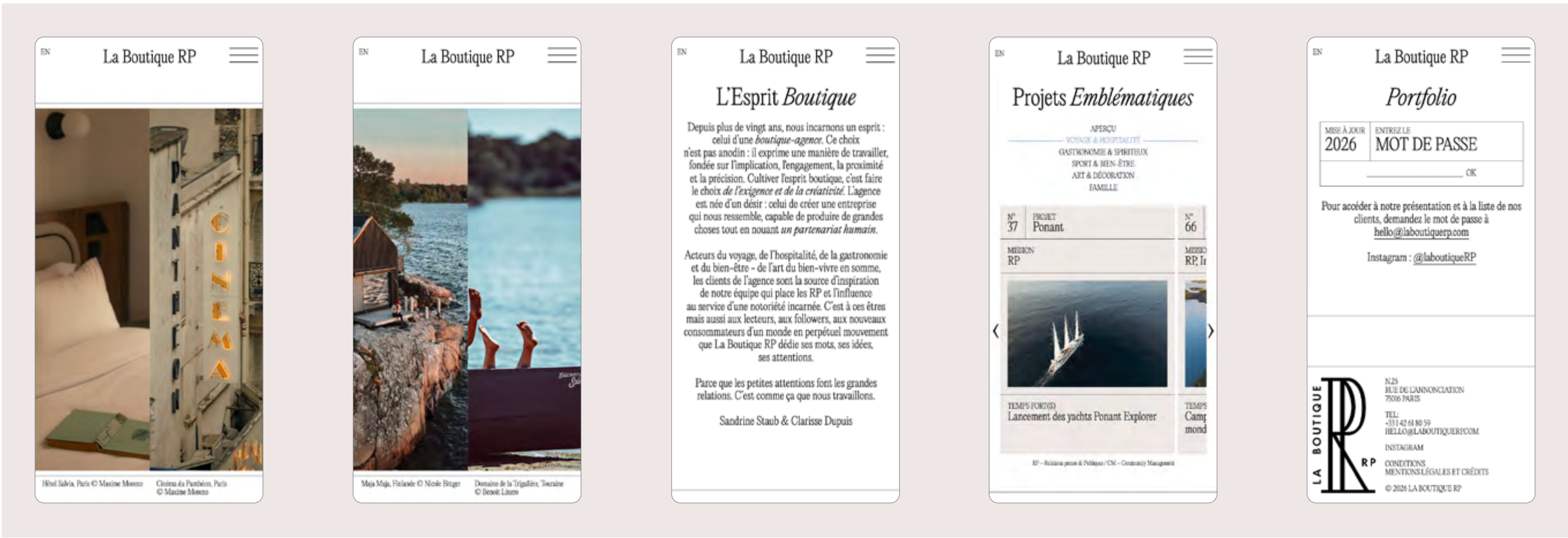
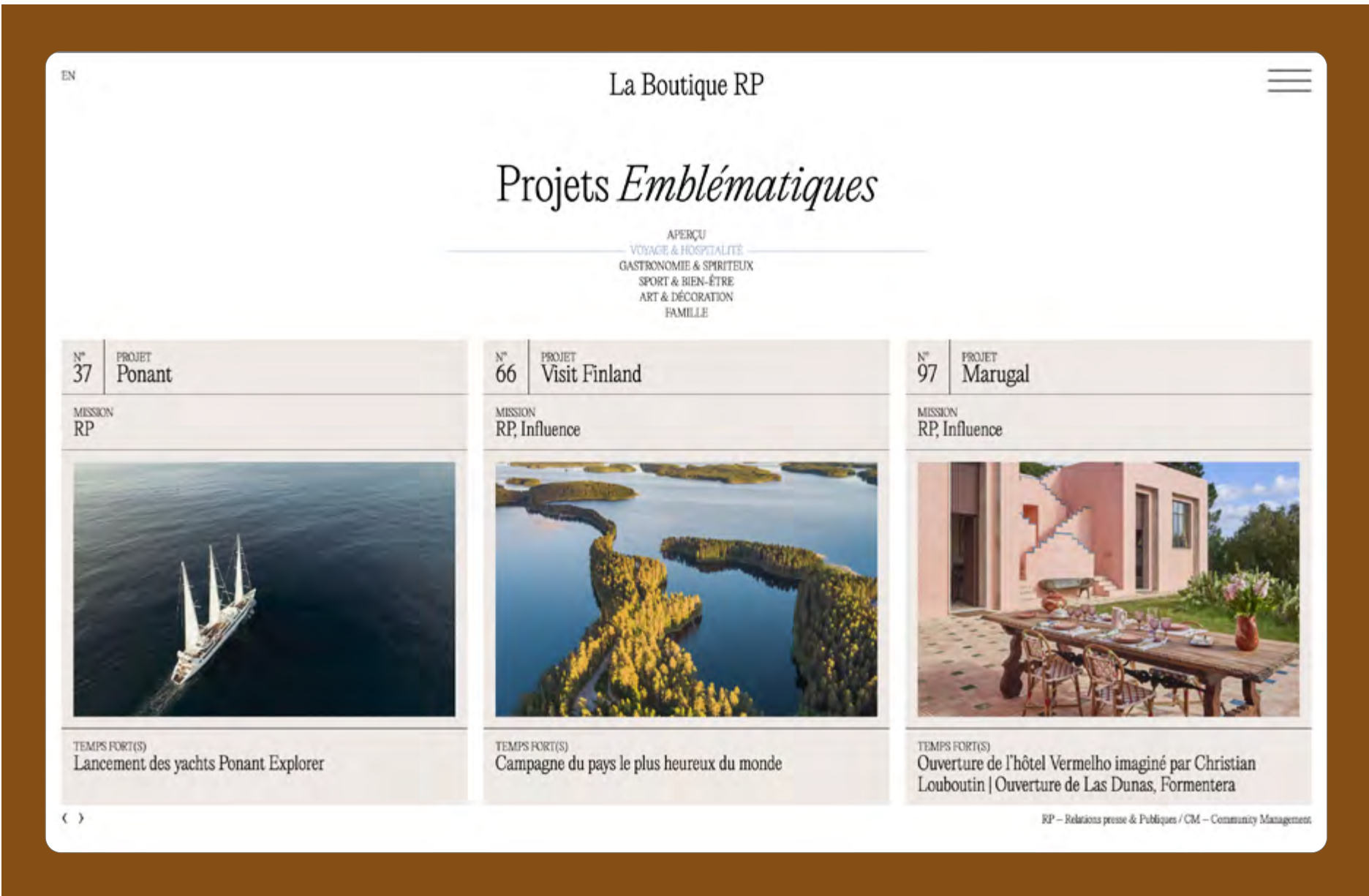
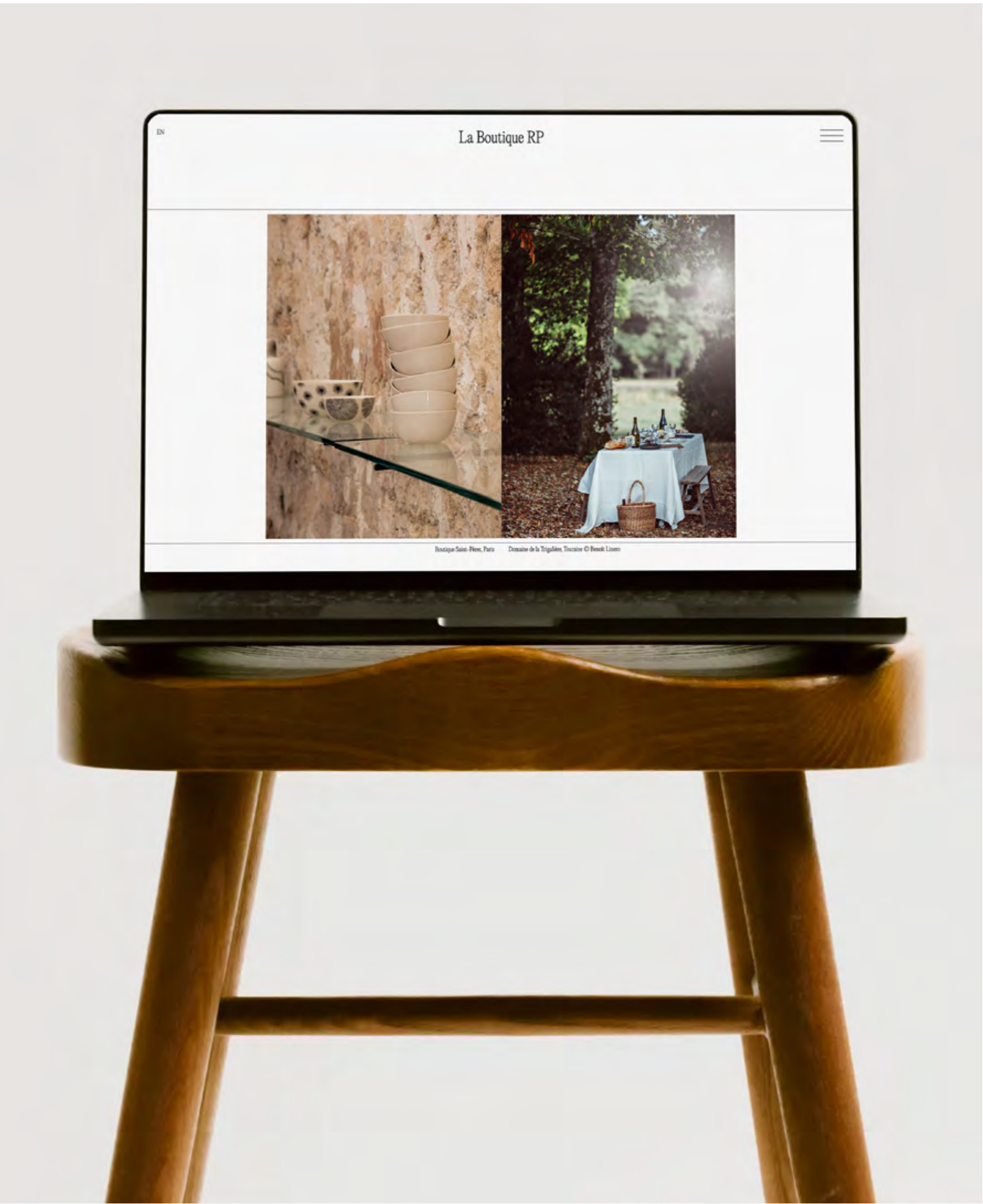


Design and development of press relations agency
La Boutique RP's website. One-page website.

lien : <https://laboutiquerp.com/>

Graphic design (mock-up) according to the
style guide developed by Aurélie Colliot

Web development with the Kirby CMS
in PHP/HTML, CSS and Javascript
Online publication

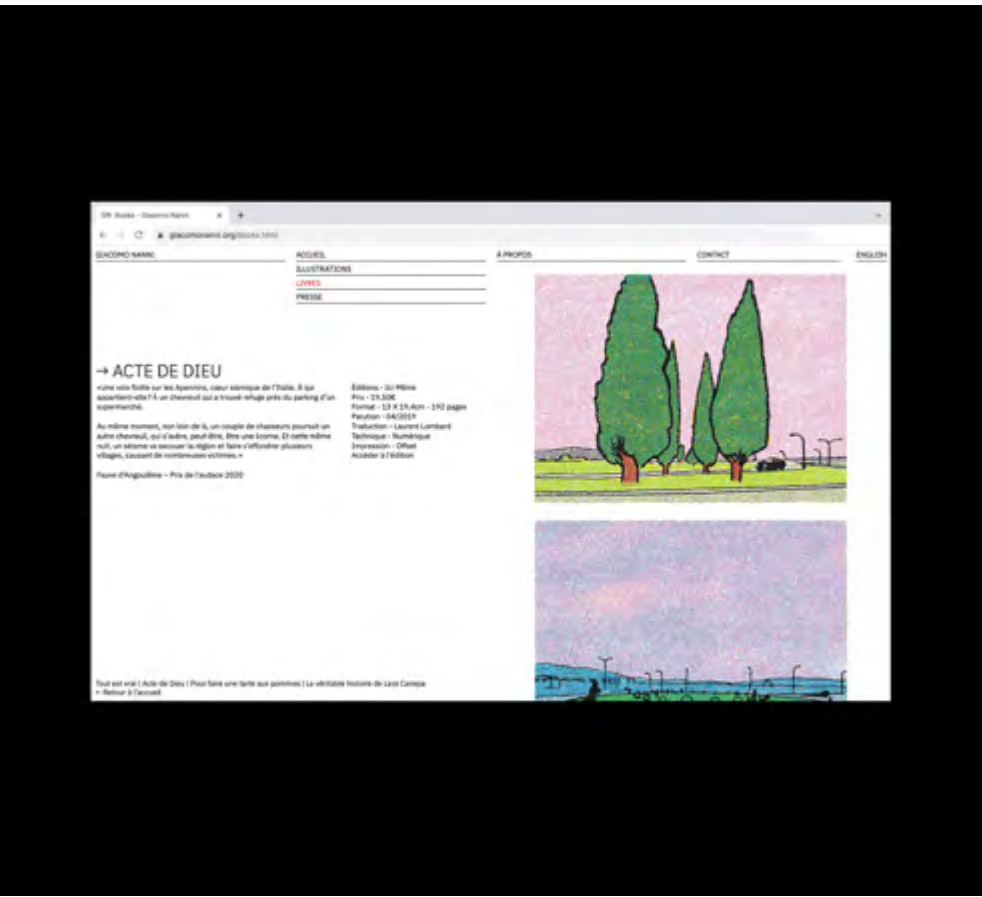
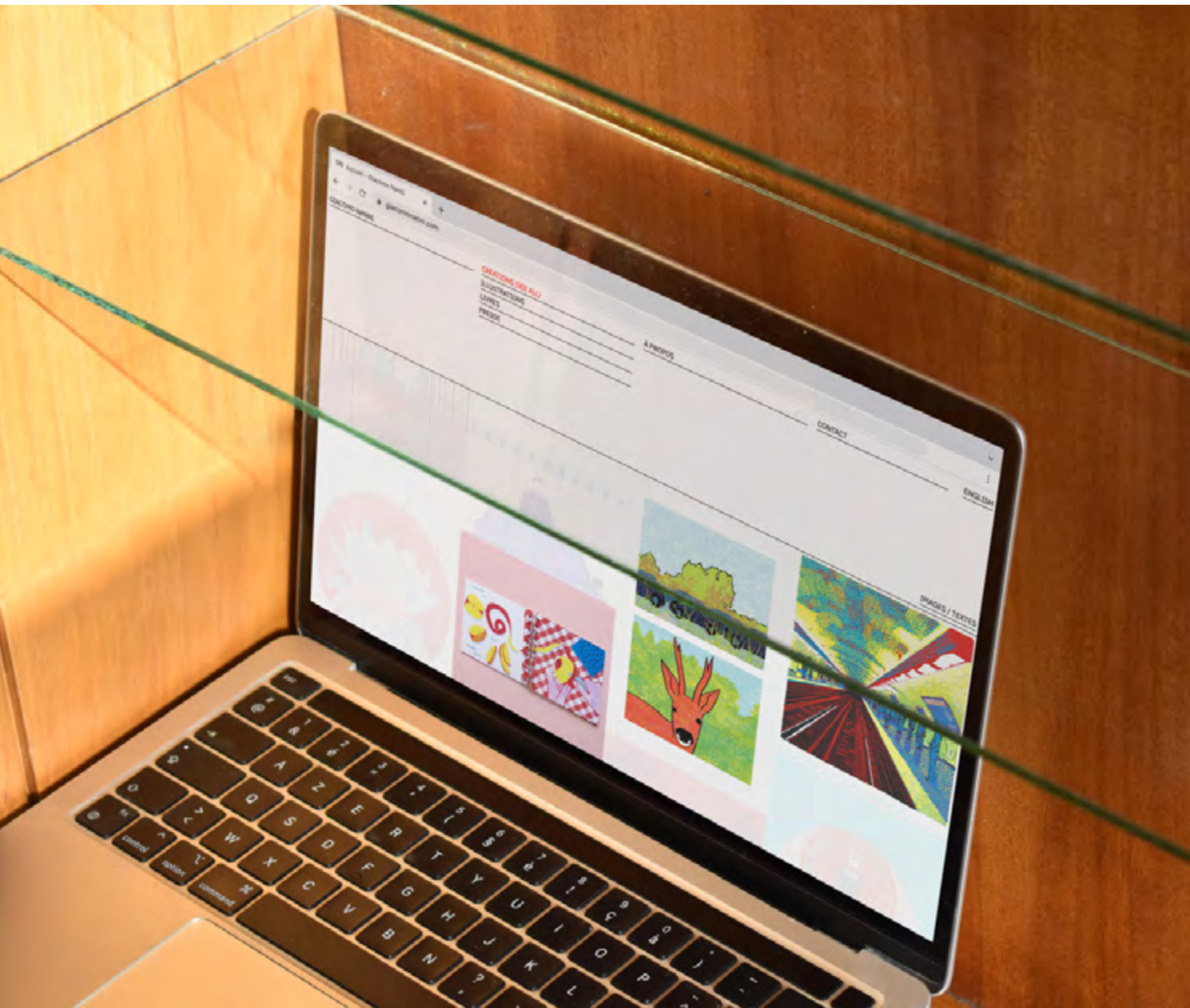
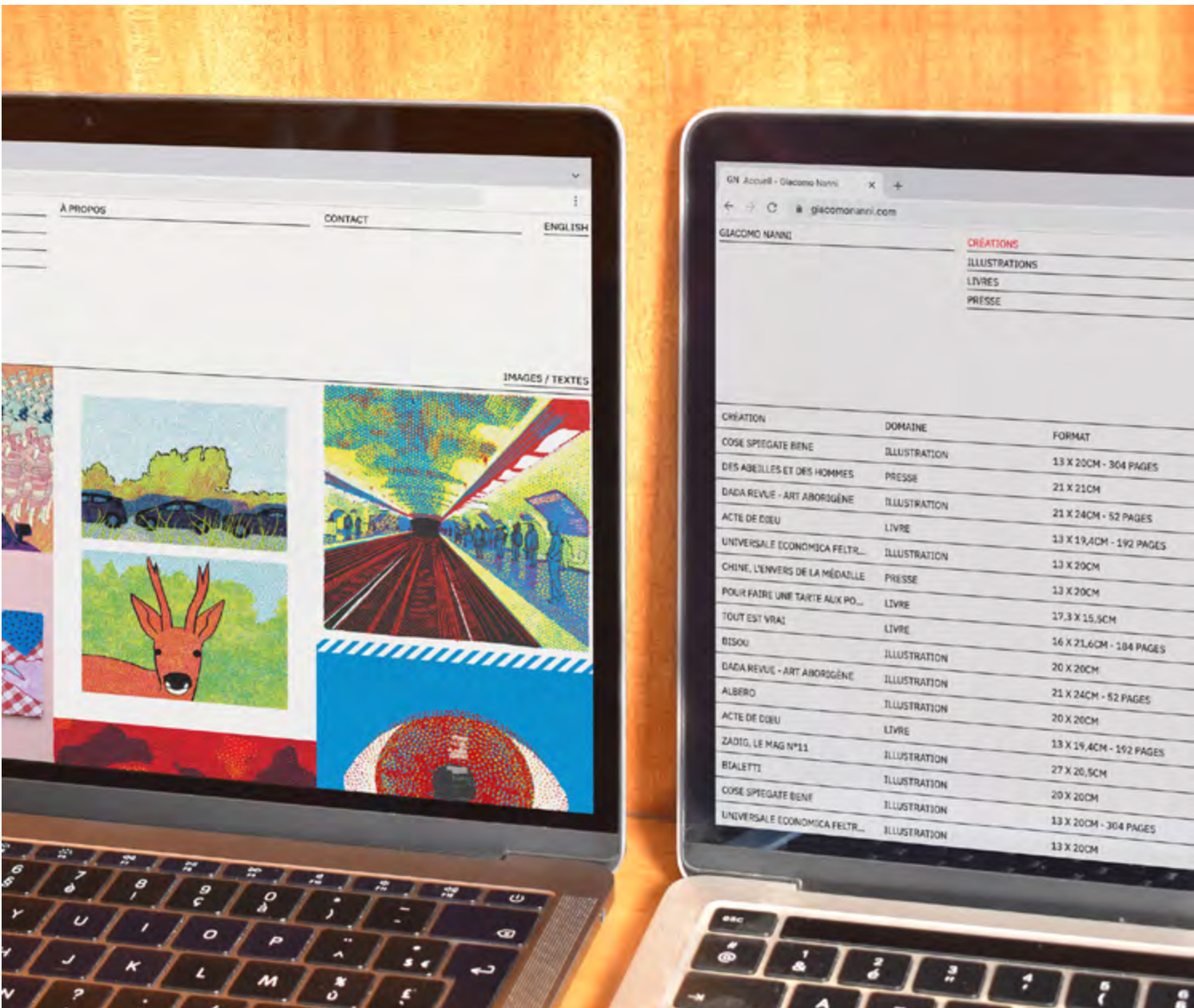


Design and development of illustrator Giacomo Nanni's website.
Portfolio site designed to showcase his three main activities: illustrations,
press cartoons, books and comic strips.

link: <https://giacomonanni.com/>

Graphic design (mock-up)
Web development in HTML, CSS and Javascript
Online publication and maintenance

contact: Giacomo Nanni
giacomonanni@gmail.com

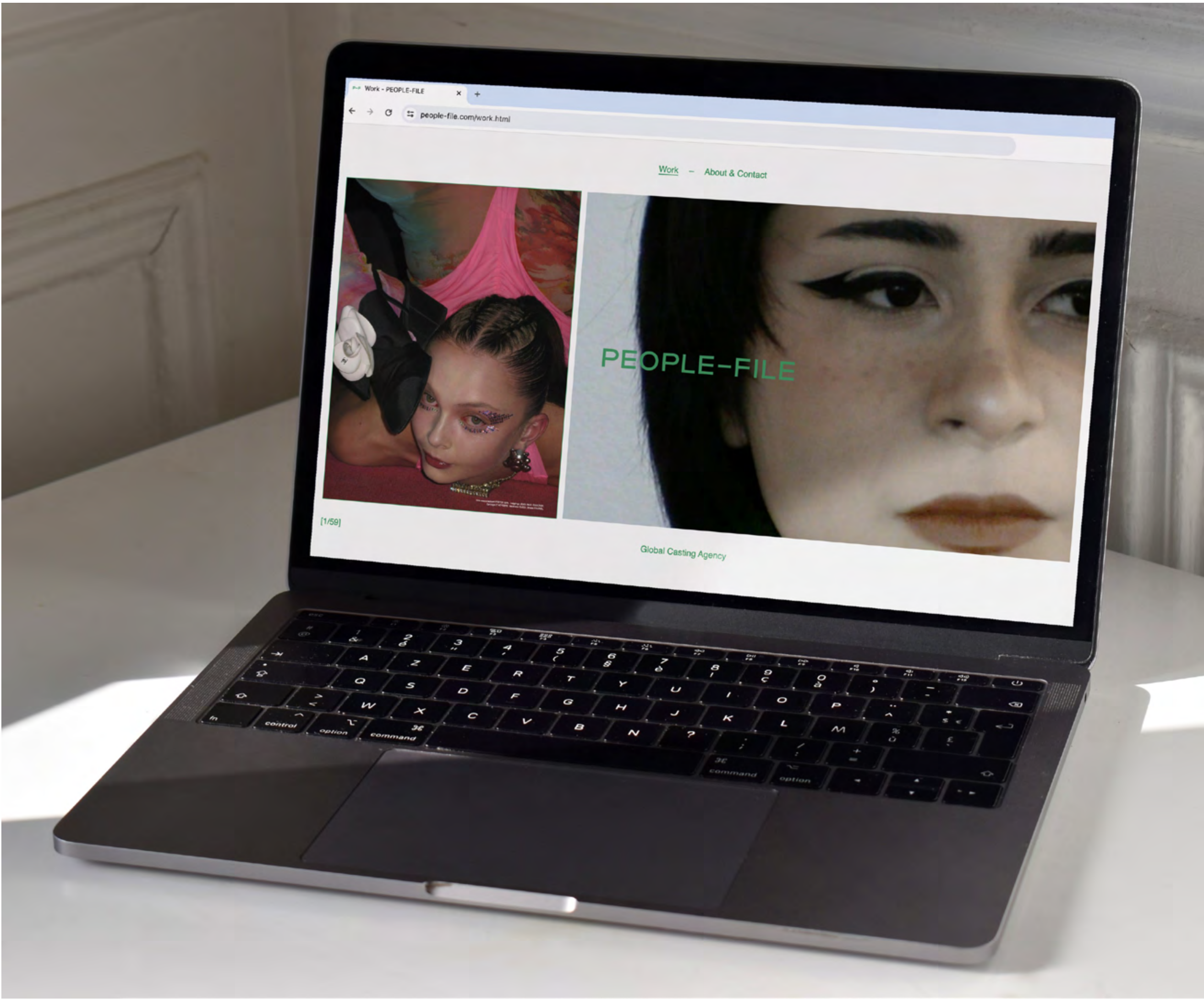
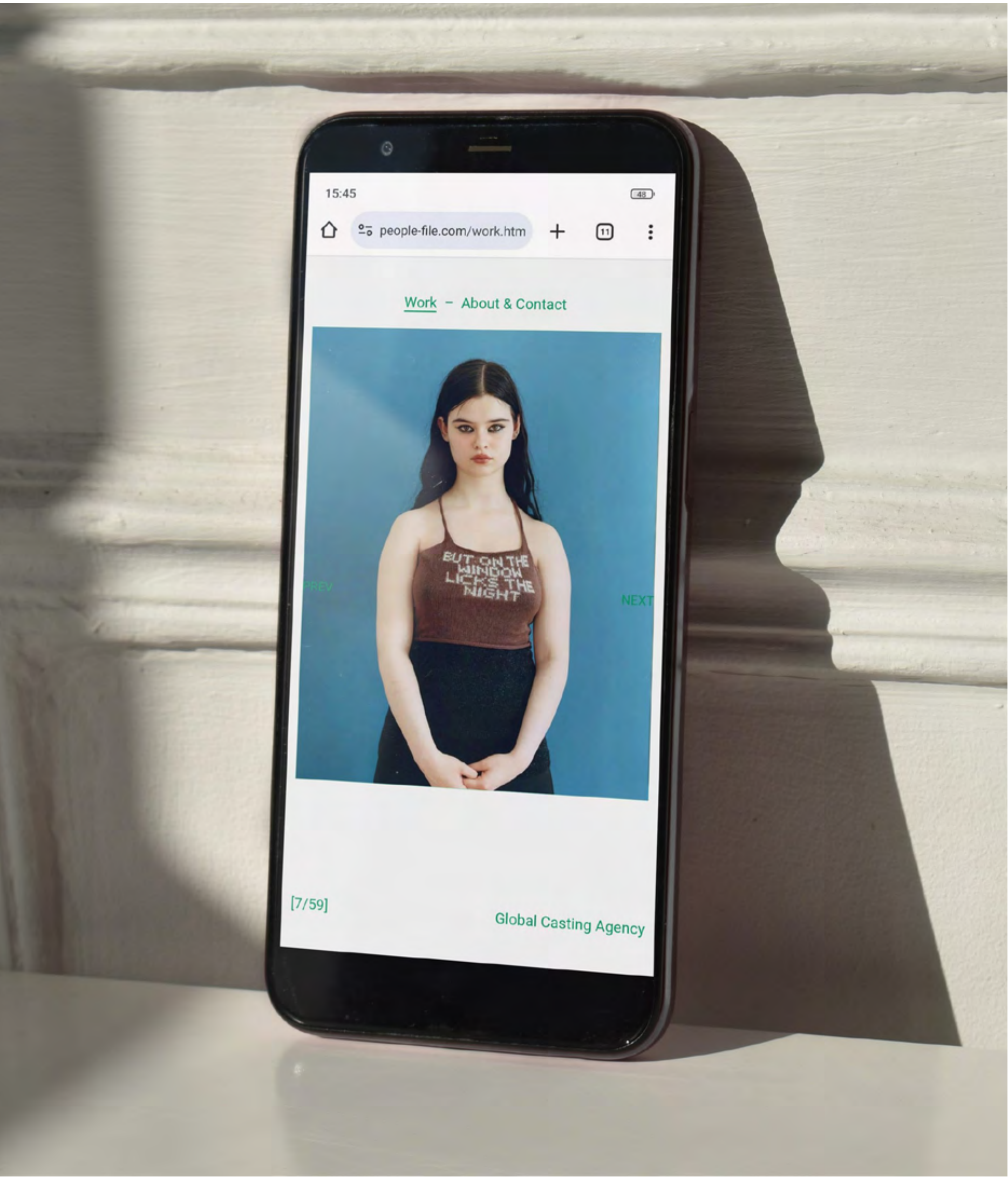


Design and development of PEOPLE-FILE’s website,
a London-based casting agency.

link: <https://people-file.com/>

Graphic design (mock-up)
Web development in HTML, CSS and Javascript
Online publication and maintenance

contact: Gabrielle Lawrence
gabrielle@people-file.com

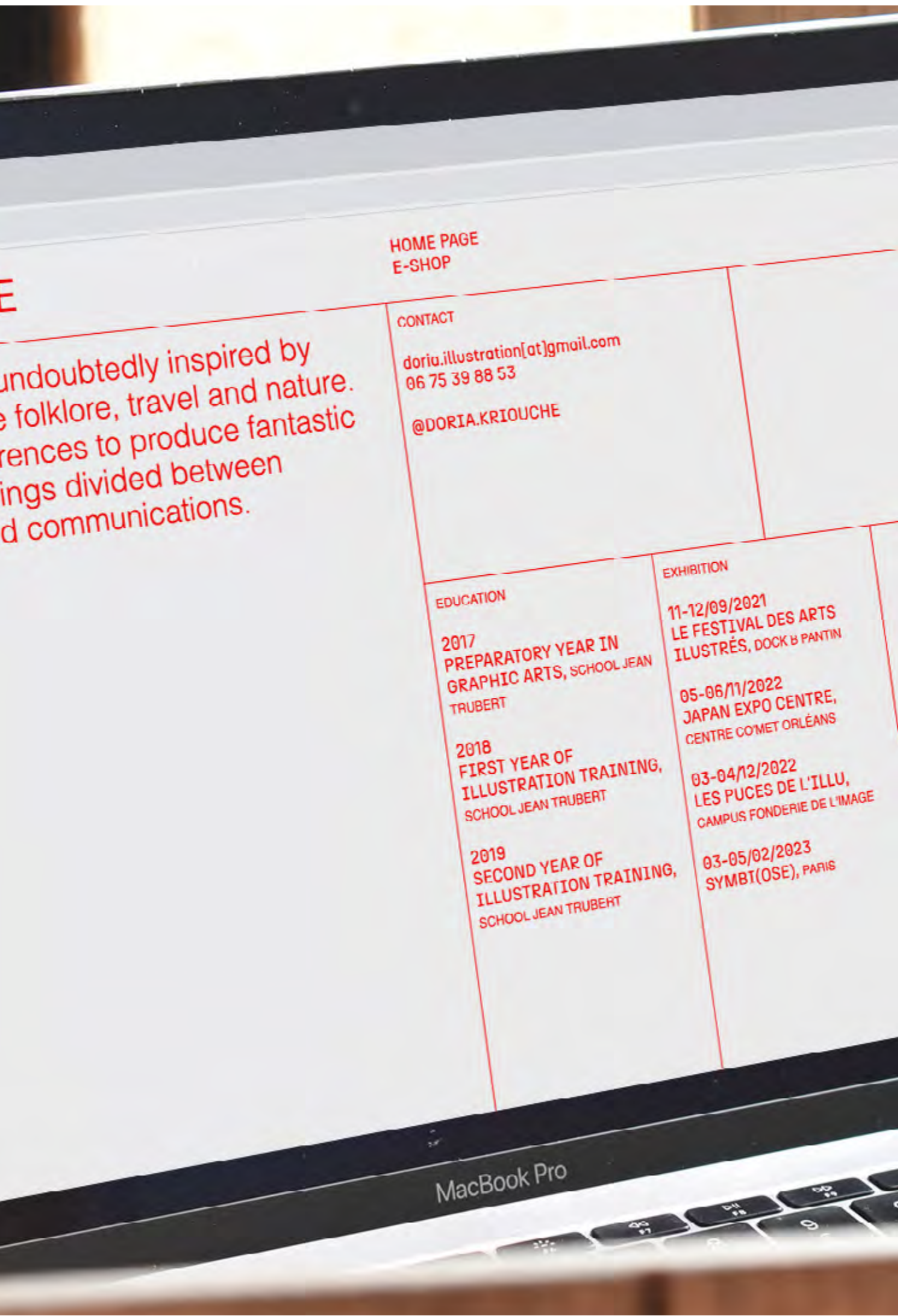
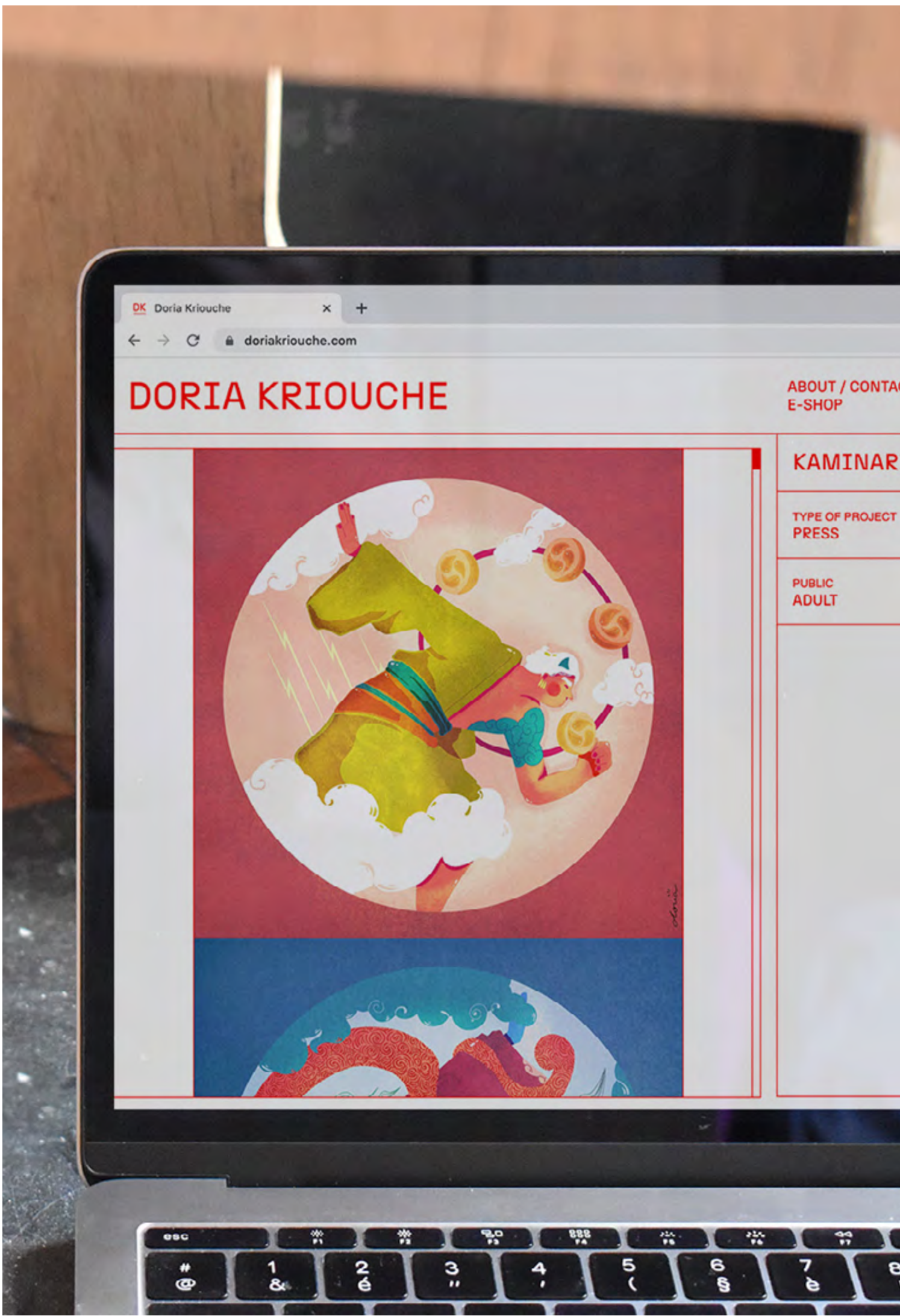


Design and development of illustrator Doria Kriouche's website.
Lightweight two-page portfolio website.

link: <https://www.doriakriouche.com/>

Graphic design (mock-up)
Web development in HTML, CSS and Javascript
Online publication and maintenance

contact: Doria Kriouche
doria.illustration@gmail.com

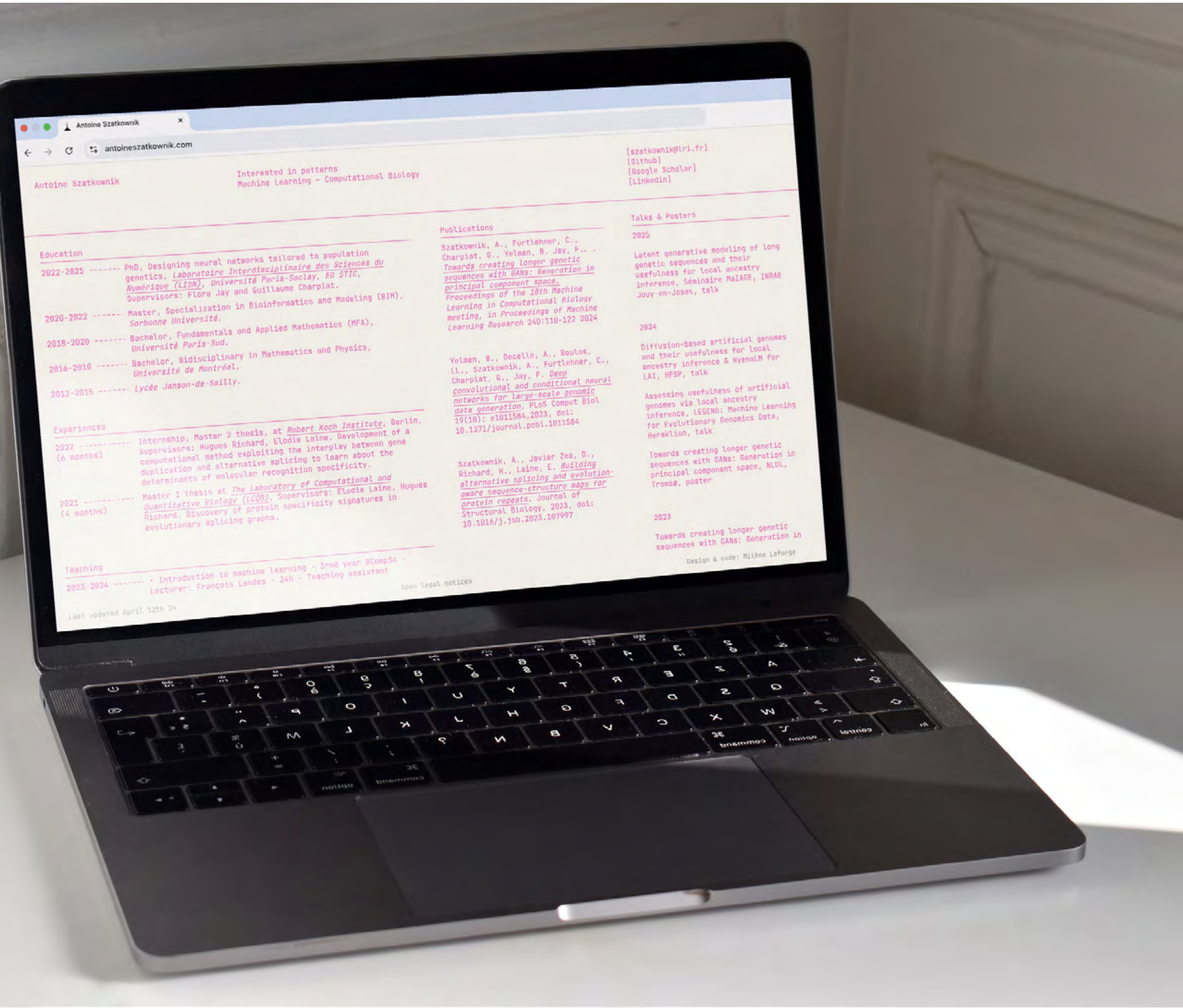


Design and development of the website for Antoine Szatkownik,
a doctoral-researcher at Paris-Saclay University.
The site complies with the rules of the Low-Tech Website, it is static,
written solely in HTML and CSS (no JavaScript) and contains few images.
The site is designed as web-to-print, allowing users to generate
a CV from their browser.

link: <https://www.antoineszatkownik.com/>

Graphic design (mock-up)
Web development in HTML and CSS
Online publication and maintenance

contact: Antoine Szatkownik
antoineszatkownik@gmail.com



Antoine Szatkownik
Paris

October 30th 1997
antoine.szatkownik@gmail.com
www.github.com/antoineszatkownik/

Education

2022-2025 ----- PhD, Designing neural networks tailored to population genetics, *Laboratoire Interdisciplinaire des Sciences du Numérique (LISN), Université Paris-Saclay, ED STIC*, Supervisors: Flora Jay and Guillaume Charpiat.

2020-2022 ----- Master, Specialization in Bioinformatics and Modeling (BIM), *Sorbonne Université*.

2018-2020 ----- Bachelor, Fundamentals and Applied Mathematics (MFA), *Université Paris-Sud*.

2016-2018 ----- Bachelor, Bidisciplinary in Mathematics and Physics, *Université de Montréal*.

2012-2015 ----- *Lycée Janson-de-Sailly*.

Experiences

2022 ----- Internship, Master 2 thesis, at *Robert Koch Institute*, Berlin, Supervisors: (6 months) Hugues Richard, Elodie Laine. Development of a computational method exploiting the interplay between gene duplication and alternative splicing to learn about the determinants of molecular recognition specificity.

Teaching

2023-2024 ----- • Introduction to machine learning - 3rd year BCompSc - Lecturer: François Landes - 24h - Teaching assistant
• Deep Learning in Practice - M2 at MVA ENS + CentraleSupélec + DSBA ESSEC - Lecturer: Guillaume Charpiat - 24h - Teaching assistant

2022-2023 ----- Introduction to machine learning - 3rd year BCompSc - Lecturer: François Landes - 24h - Teaching assistant

Publications

Szatkownik, A., Furtlehner, C., Charpiat, G., Yelmen, B. Jay, F.. . *Towards creating longer genetic sequences with GANs: Generation in principal component space. Proceedings of the 18th Machine Learning in Computational Biology meeting, in Proceedings of Machine Learning Research* 240:110-122 2024

Yelmen, B., Decelle, A., Boulos, LL., Szatkownik, A., Furtlehner, C., Charpiat, G., Jay, F. *Deep convolutional and conditional neural networks for large-scale genomic data generation*, PLoS Comput Biol 19(10): e1011584, **2023**, doi: 10.1371/journal.pcbi.1011584

Szatkownik, A., Javier Zea, D., Richard, H., Laine, E. *Building alternative splicing and evolution-aware sequence-structure maps for protein repeats*. Journal of Structural Biology, **2023**, doi: 10.1016/j.jsb.2023.107997

Talks & Posters

2025

Latent generative modeling of long genetic sequences and their usefulness for local ancestry inference, Séminaire MaIAGE, INRAE Jouy-en-Josas, talk

Graphic design and layout of the recipe book
Rencontre en haute gastronomie (Haute Gastronomy encounter),
dedicated to The Macallan whisky.
The project highlights the collaboration between Edrington
and Michelin-starred chef Tom Meyer.

Under the artistic direction of studio Oficina

Graphic design
Layout and text integration
Print & fab management

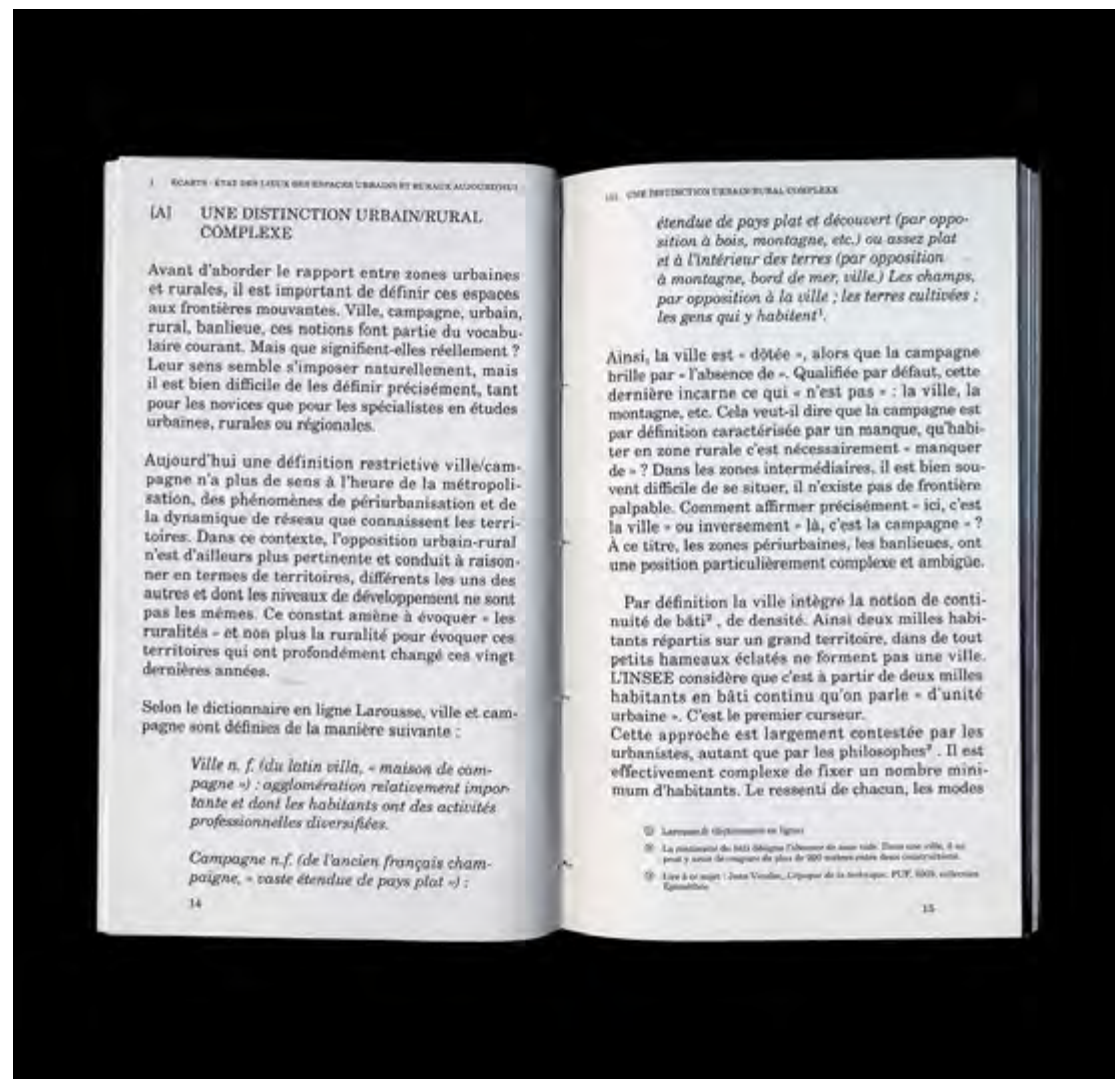


Collection of dissertations from various MA students at ensaama.
The identity was created by the MA Graphic Design class – during
a workshop supervised by Yorel Cayla – and is common
to each of the 71 dissertations from the school's various departments:
graphic design, brand communication, textile design,
arts and crafts, and product design. The project brought together
the very diverse needs of the students into a simple identity that was
easy for everyone to use, while allowing for an organised,
contemporary and colourful edition.

Workshop supervised by Yorel Cayla
Artistic direction by all students in the MA Transmedia
Graphic Design class at ensaama (2019–2021)

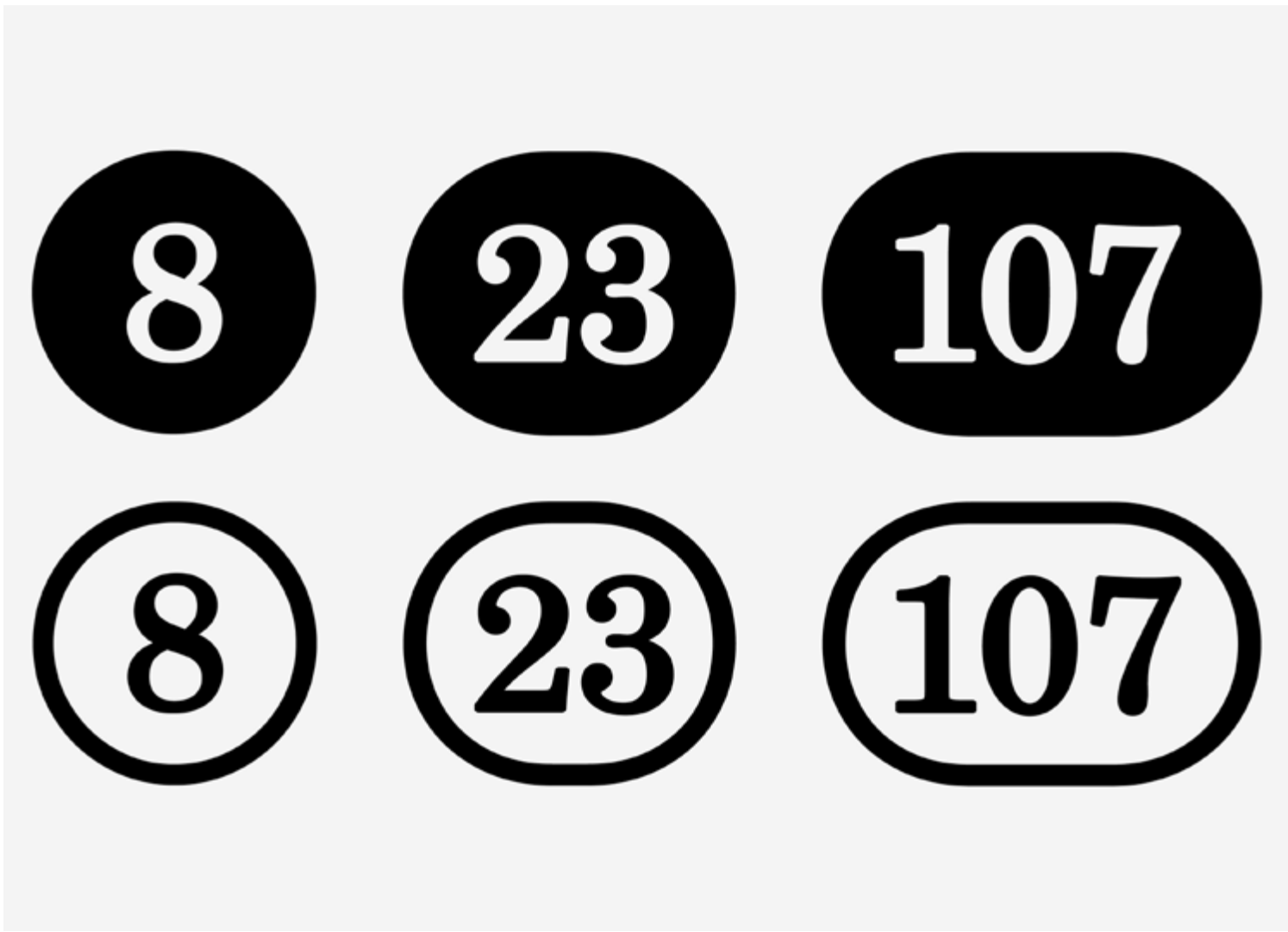
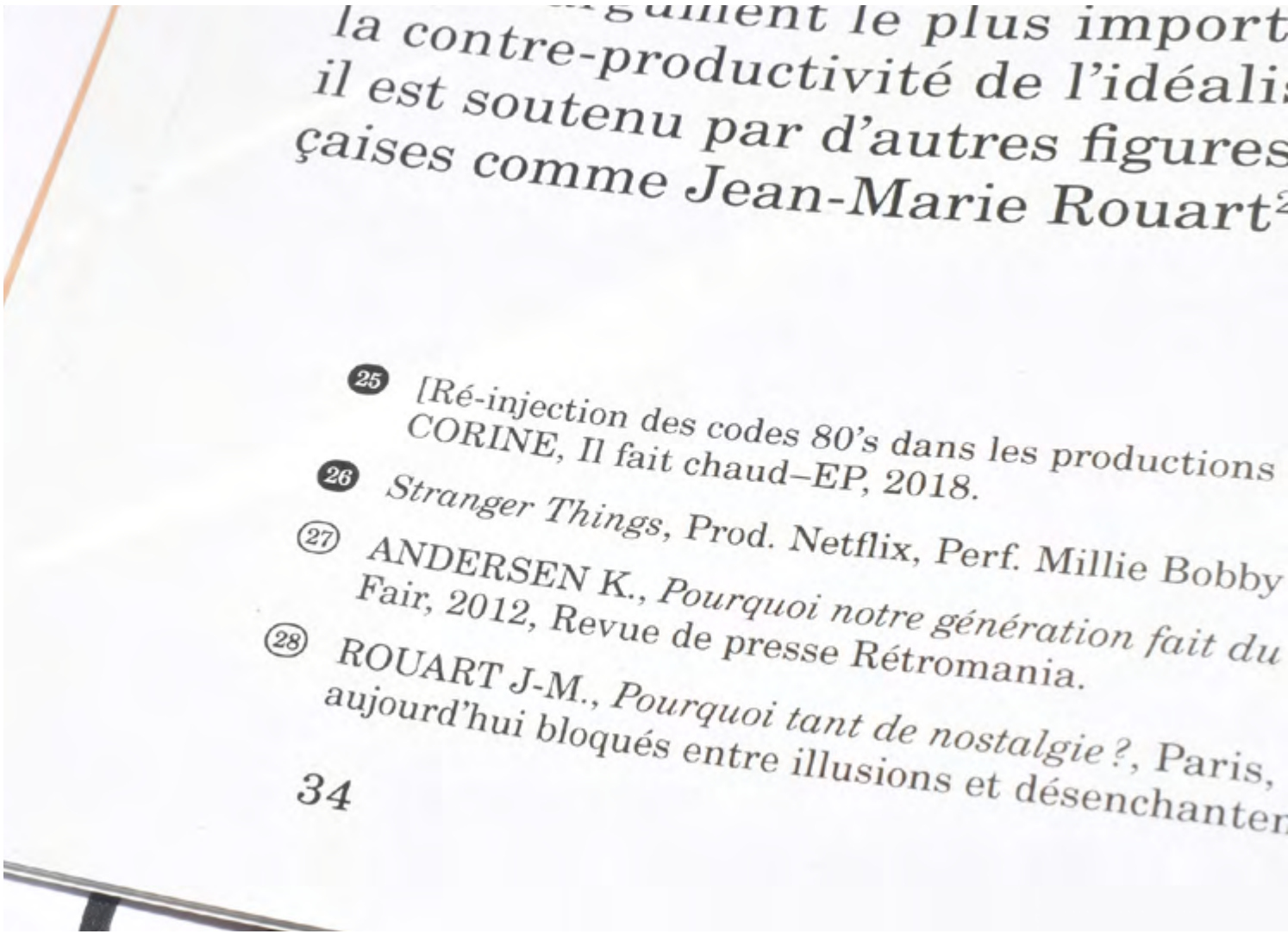
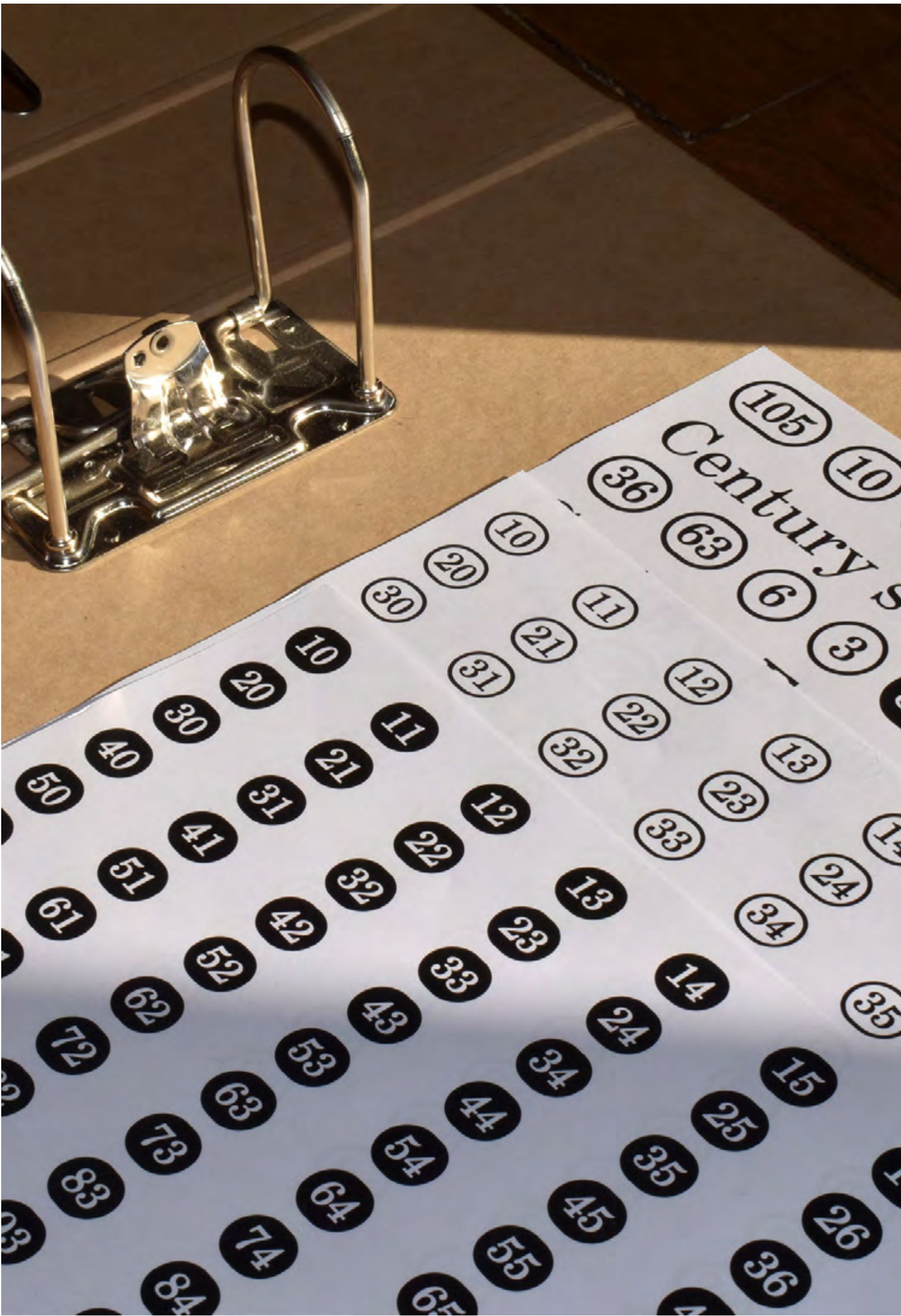
Graphic design
Automation of layout and typography
Font custom Century Schoolbook ensaama





poles qui erigent du m
disent la pratique⁶¹
n'aident pas à amélio
Pourtant d'une certaine
nale et dissidente les pr
Car l'ambivalence du s
manente entre l'envie c
un code de conduite, à u
édictee par la norme, t
aux mécanismes de la s

- ⑥0 Le terme misfit désigne quelq
contexte car il n'est pas accep
étrange ou inhabituelle.
- ⑥1 Photographie de Max Guyot (C
à l'Opéra de Marseille → la pr
- ⑥2 La traduction littérale du ter
Être core c'est être au cœur d
marquée et centrale.

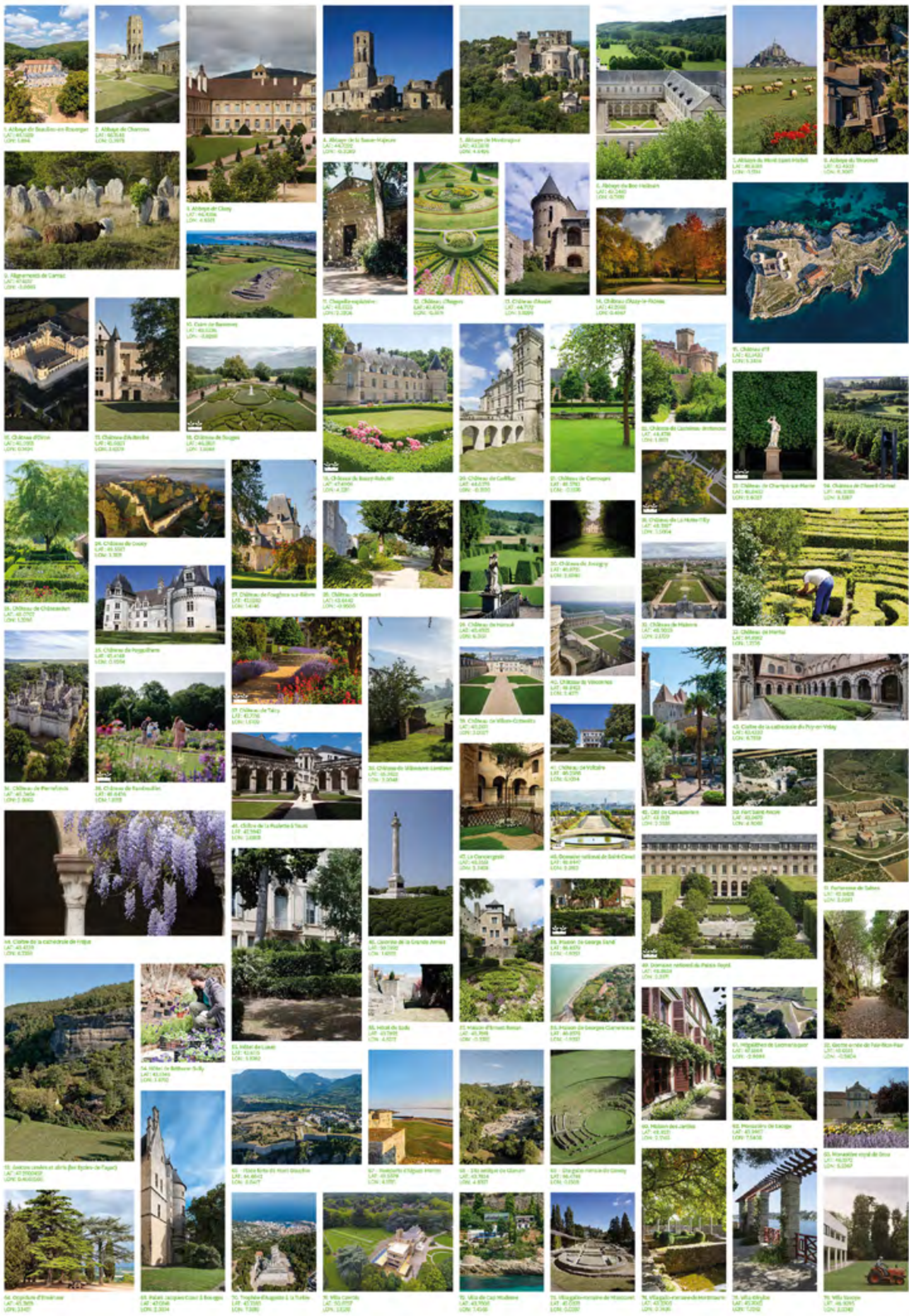


Rendez-vous aux jardins is a national event organised by the *Centre des monuments nationaux* to celebrate the richness of the green spaces it protects. Gardens, parks, vegetable gardens, meadows... more than 80 sites are preserved, restored and promoted throughout the country.

Graphic design of a leaflet distributed during the event, serving as a national index of these exceptional places.

With studio Oficina

Graphic design



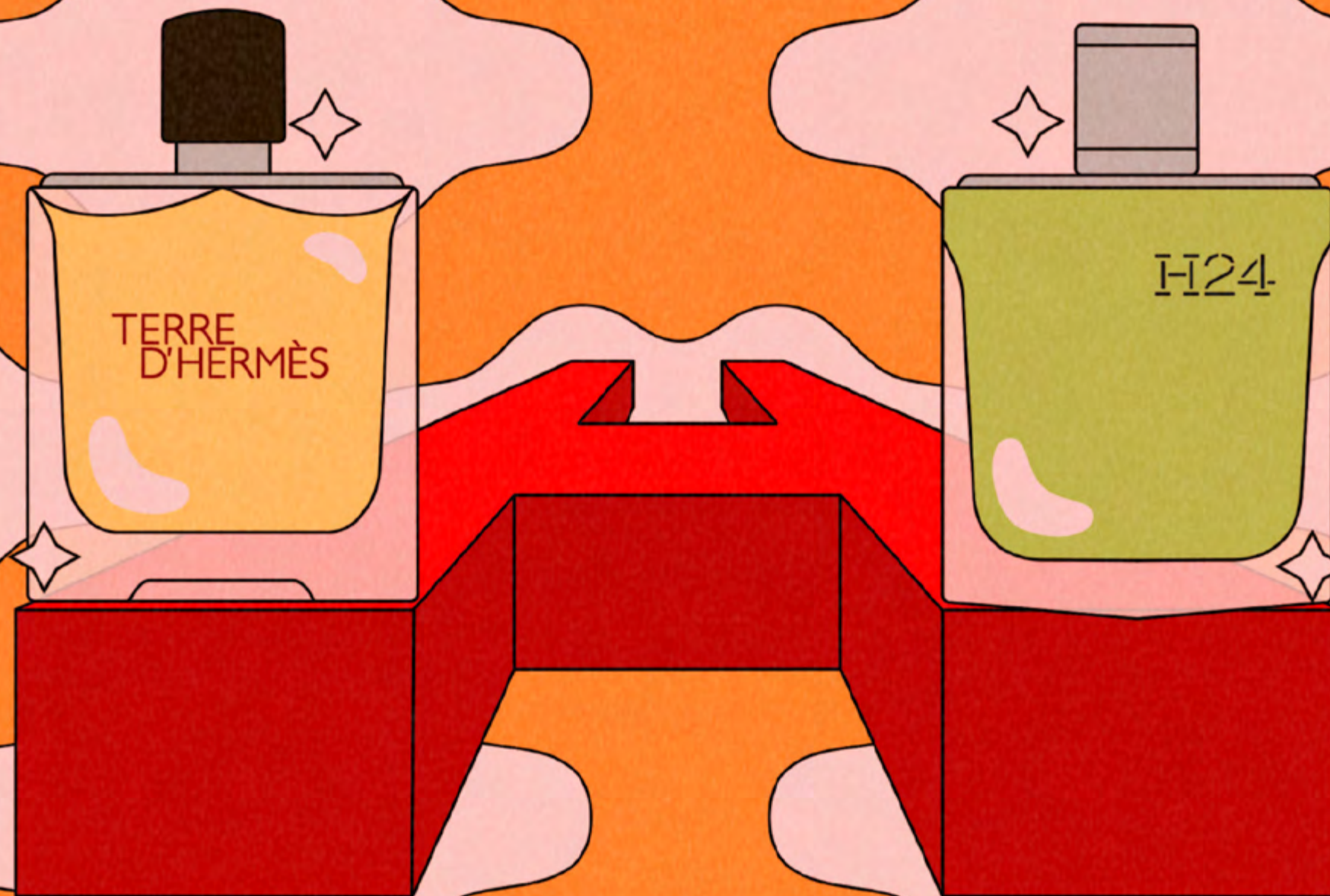
Design of four visuals in partnership with Hermès Parfum and illustrator Thomas Bryson-King. To mark the Lunar New Year, a short animated film was produced, whose universe served as the basis for integrating the department’s flagship fragrances.

After the artistic direction approved the four key visuals, ratio guidelines were established to ensure consistent application across the various subsidiaries.

With studio Oficina

Artistic direction
Illustrator coordination
Design of ratio charts for the four key visuals

喜旋迎春



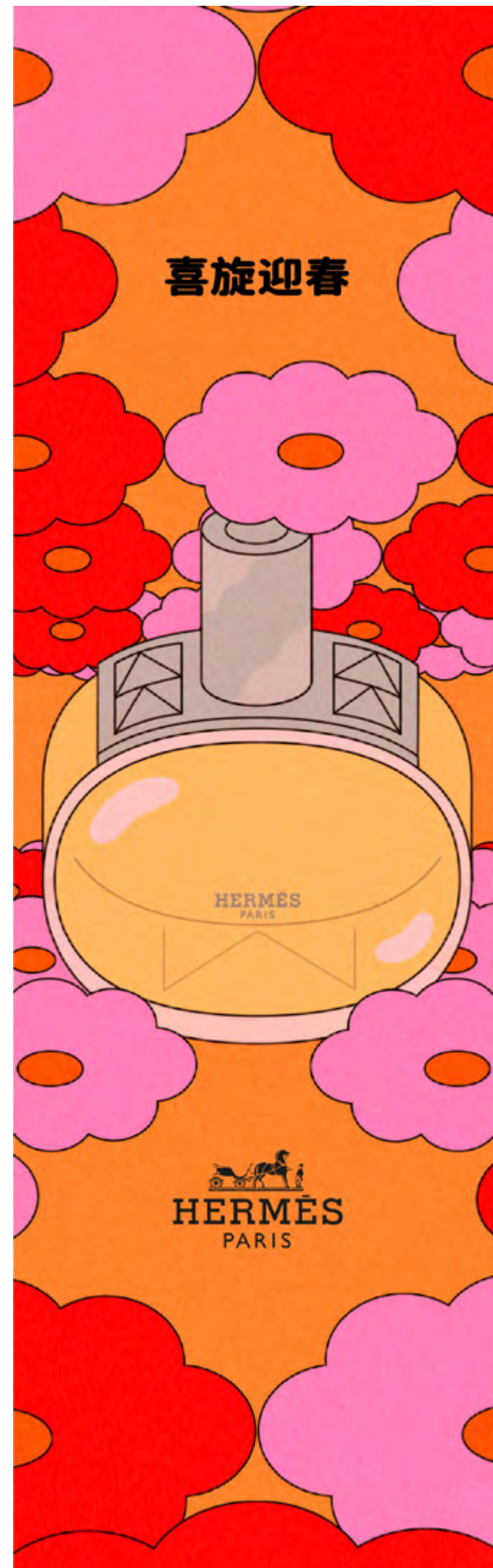
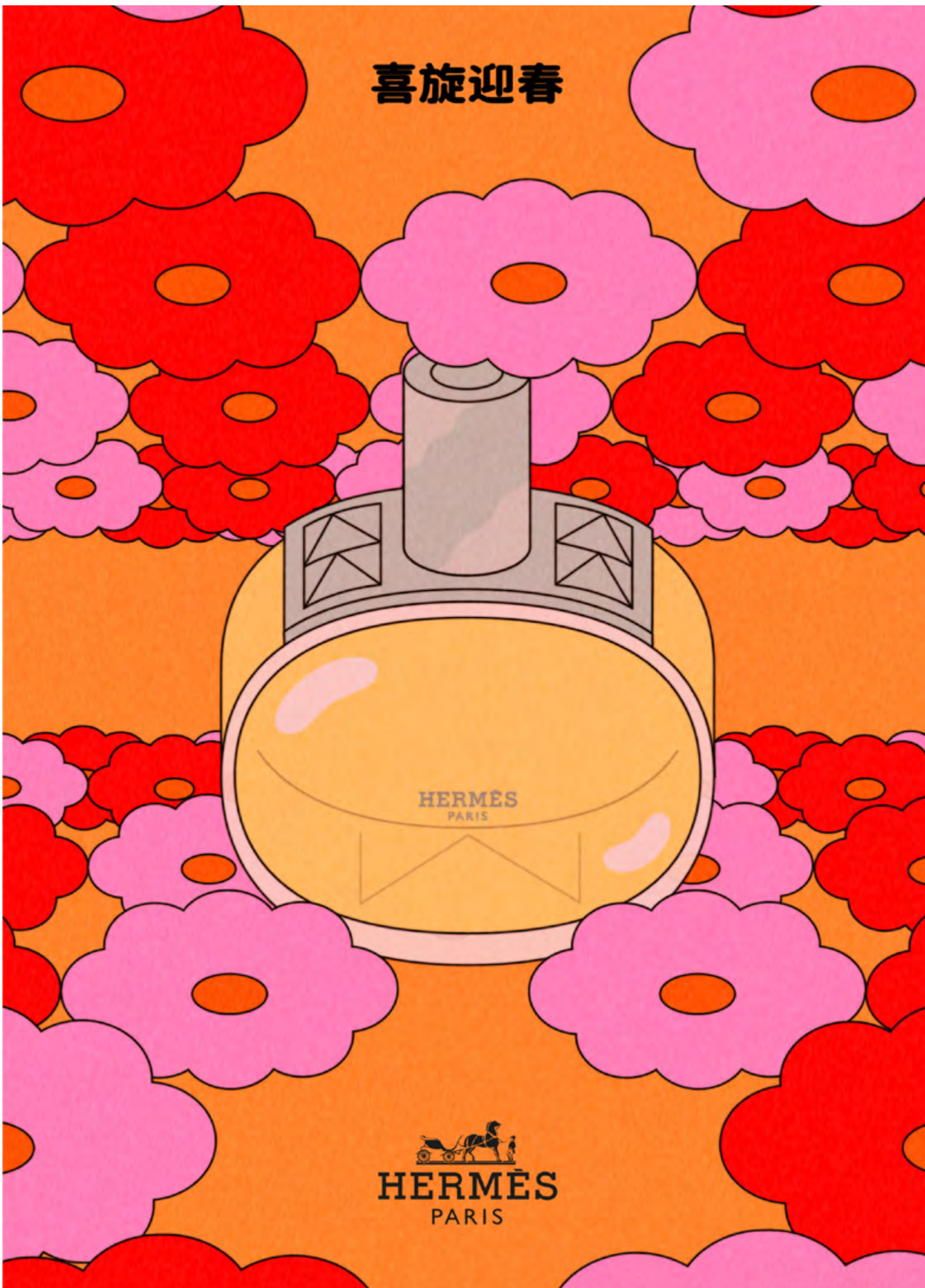

HERMÈS
PARIS

喜旋迎春




HERMÈS
PARIS



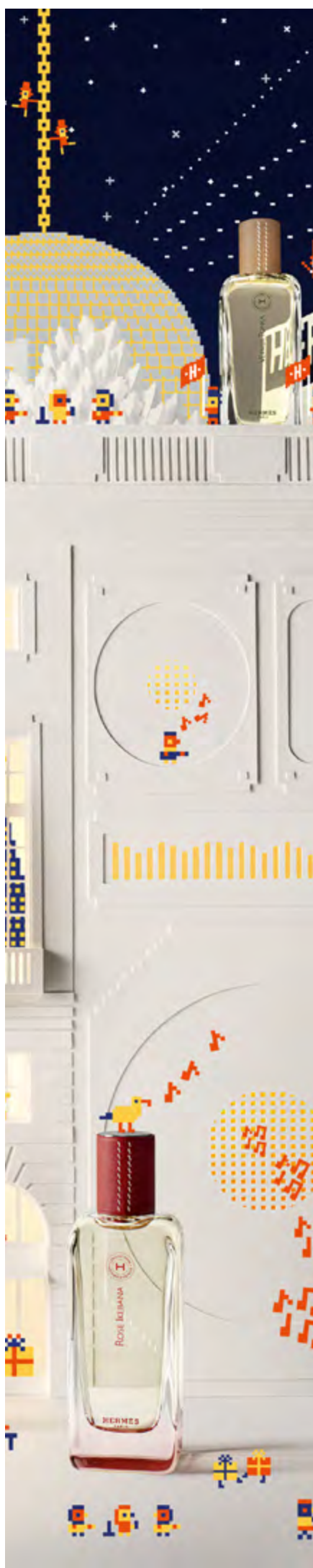


Design of four visuals in partnership with Hermès Parfum
and illustrator Tibor Kárpáti.

After the artistic direction approved the seven key visuals,
ratio guidelines were established to ensure
consistent application across the various subsidiaries.

Under the artistic direction of studio Oficina

Creation of visuals from single-page formats
Design of ratio charts for the seven key visuals



Type design on the frontage
of the Palais Galliera.

With studio Oficina

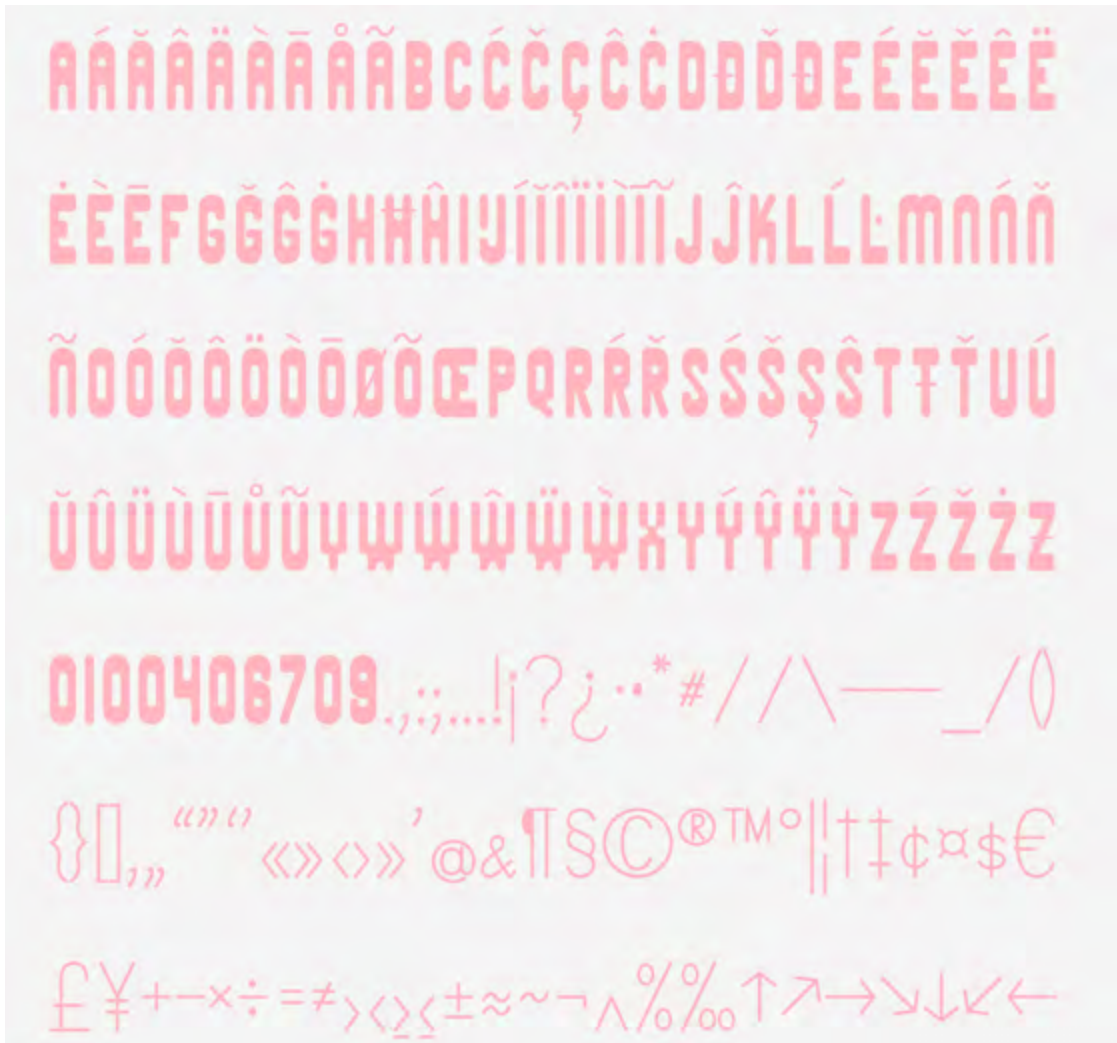
Graphic design



Poppy is a free font distributed under the SIL Open Font License.
Its main characters (letters and numbers) are based on a modular grid.
The rest of the glyph set (punctuation, diacritics, symbols)
is composed using the regular version of Simple Print, a free font
designed by Peter Wiegel.

Poppy was created in February 2023 and is available only
in uppercase and bold.

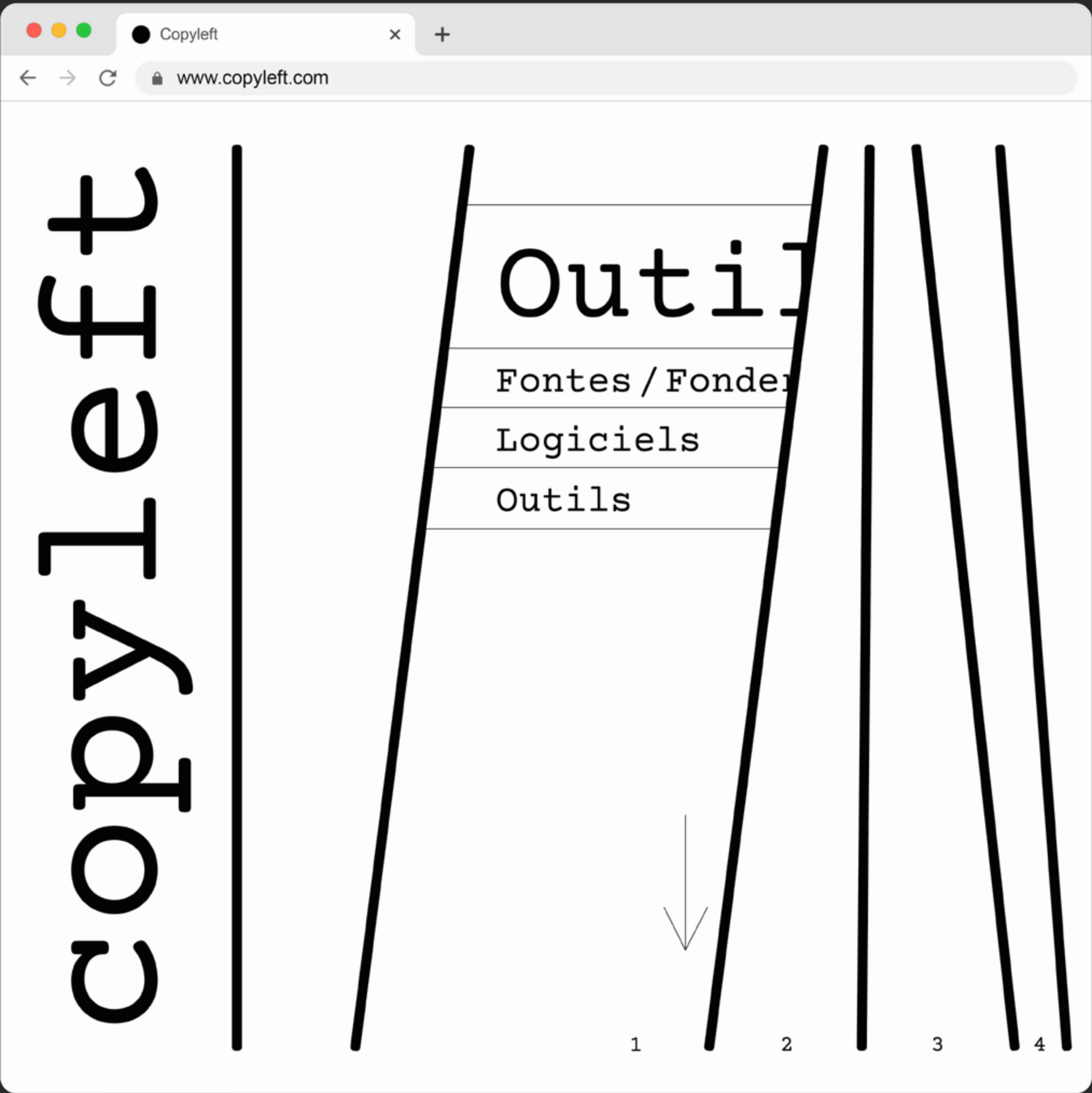
Type design



Active involvement in the Free/Libre Graphic Design movement, advocating for the open dissemination of tools and knowledge.

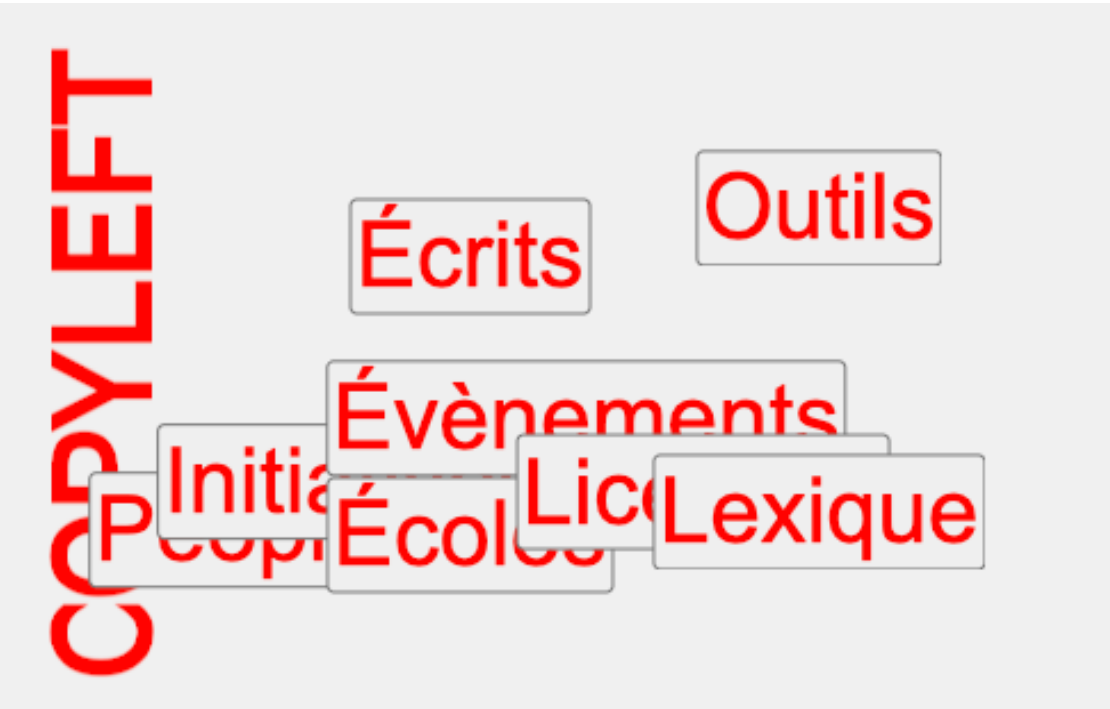
Self-initiated several projects related to free and F/LOSS (Free/Libre & Open Source Software), with a particular interest in experimental tools, themselves free and often connected to programming.

Since September 2025, contributor to the maintenance of the PrePostPrint collective.



NOM	TYPE	VILLE	SITE INTERNET	MAIL	GIT	RÉSEAUX	LIEN RÉSEAUX	DESCRIPTION
FRAMASOFT	ASSOCIATION	-	https://framasoft.org/fr/	https://contact.framasoft.org/fr/	-	@framasoft (TWITTER) Framasoft (FACEBOOK)	https://twitter.com/framasoft https://www.facebook.com/framasoft	Réseau d'éducation populaire consacré pr libre.
FREE FONT LIBRARY (LUUSE)	TYPOTHÈQUE	BRUXELLES	https://typotheque.luuse.fun/	contact@luuse.io	https://gitlab.com/Luuse/Luuse.tools/typotheque	-	-	Une typothèque de caractères typographi sélectionnés par Luuse ASBL.
GUI	COLLECTIF	PARIS	https://g-u-i.net/	contact@g-u-i.net	-	@collectifgui (TWITTER)	https://twitter.com/collectifgui	Collectif qui collabore avec des institutions collectives publiques, des associations, d chercheurs en mettant en oeuvre le design éditorial, in situ, méthodologique, et la per
HACKERS & DESIGNERS	COLLECTIF	AMSTERDAM	https://hackersanddesigners.nl/	info@hackersanddesigners.nl	https://hackersanddesigners.nl/s/tools	@hackersanddesigners (INSTAGRAM)	https://www.instagram.com/hackersanddesigners/	Initiative d'atelier à but non lucratif qui org l'intersection de la technologie, du design e moments partagés d'apprentissage pratiq collaboration entre les disciplines, la cultur différents niveaux d'expertise.
L'ATELIER DES CHERCHEURS	COLLECTIF	-	https://latelier-des-chercheurs.fr/	info@latelier-des-chercheurs.fr	-	@latelier_cherch (TWITTER)	https://twitter.com/latelier_cherch	Collectif de designers engagés dans la cré modulaires pour transformer les manières e travailler
LA BIBLIOTHÈQUE WEB TO PRINT	COLLECTIF	-	http://2print.org/	contact@2print	https://gitlab.com/2print.org/2print	@2print_org (INSTAGRAM)	https://www.instagram.com/2print_org/	Archive mobile (entre écoles, bibliothèques réunissant des éditions imprimées réalisées web.
LA MAISON DES ÉDITIONS	COLLECTIF - STUDIO	PAU (+ autres)	https://maisondeseditions.fr/fr	bonjour@maisondeseditions.fr	https://github.com/maisondeseditions/	► @maisondeseditions (INSTAGRAM) ► Maison des éditions (FACEBOOK)	► https://www.instagram.com/maisondeseditions/ ► https://www.facebook.com/maisondeseditions	Collectif fondé en 2011 par une dizaine de d'artistes et de créateurs. Ils se sont assoc produire à Pau des synergies autour de l'a l'édition est un des premiers objectifs du c
LA VILLA HERMOSA	STUDIO	BRUXELLES	http://www.lavillahermosa.com/	contact@lavillahermosa.com	-	@lavillahermosa (INSTAGRAM)	https://www.instagram.com/lavillahermosa/	Le studio se consacre à une recherche bas matière de conception de programmes et e
LE RESET	HACKERSPACE	PARIS	https://lereset.org/	contact@lereset.org	-	► @le_reset (INSTAGRAM) ► Le RESET (FACEBOOK) ► @le_RESET (TWITTER)	► https://www.instagram.com/le_reset/ ► https://www.facebook.com/leRESETparis/ ► https://twitter.com/le_RESET	Le Reset est un hackerspace : un espace c d'apprentissage des technologies numériques (Fermé depuis Juin 2020)
LUUSE ASBL	STUDIO - ATELIER - ASSOCIATION	BRUXELLES	http://www.luuse.io/	contact@luuse.io	https://gitlab.com/Luuse	@luuse_asbl (INSTAGRAM)	https://www.instagram.com/luuse_asbl/	Luuse asbl vise à développer des méthode de publication. Luuse asbl s'efforce de défi réfléchi, curieuse et consciente de la relat production, les concepteurs et les utilisate
MANUFACTURA INDEPENDENTE	STUDIO	Porto (Portugal)	https://manufacturaindependente.org/	hi@manufacturaindepente.org	https://gitlab.com/manufacturaind/	@Manufacturaind (TWITTER)	https://twitter.com/manufacturaind	Studio de recherche en design et commun les logiciels libres, la culture libre et l'enga des outils de conception.
OLA	ASSOCIATION	PARIS	http://outilslibresalternatifs.org/	ola@outilslibresalternatifs.org	-	@outilslibres (TWITTER)	https://twitter.com/outilslibres	Initiative dont l'objectif est la promotion et pour la création.
OSP (OPEN SOURCE PUBLISHING)	ATELIER - COLLECTIF	BRUXELLES	http://osp.kitchen/	miam@osp.kitchen	https://github.com/osp	-	-	Collectif de graphistes qui utilisent uniquer gratuit et open source. Très proches de la f

- 2024.05.07_Copyleft_Acteurs-initiatives.tsv
- 2024.05.07_Copyleft_Acteurs-people.tsv
- 2024.05.07_Copyleft_Acteurs-school.tsv
- 2024.05.07_Copyleft_Ecrits.tsv
- 2024.05.07_Copyleft_Evenements.tsv
- 2024.05.07_Copyleft_Lexique.tsv
- 2024.05.07_Copyleft_Licenses.tsv
- 2024.05.07_Copyleft_Outils.tsv
- 2024.05.13_Copyleft_Licenses.tsv




```
from phonemizer.separator import Separator

def mot2phonemes(mot):

    res=phonemize(mot, language="fr-fr", backend="espeak", separator=Separator(phone='.', wo

    return res
```

Entrée [5]: mot2phonemes("rabougrï"),mot2phonemes("hiboux")

Out[5]: ('ʁ.a.b.u.g.ʁ.i', '.i.b.u')

Entrée [8]: mot2phonemes("hippocondriaque")

Out[8]: 'i.p.ɔ.k.ɔ̃.d.ʁ.i.a.k'

Entrée [24]: # créer dic de phonèmes pour sac de mots
D_mot2phonemes={i:j.split('.') for i,j in zip(tokens,mot2phonemes(tokens))}

Entrée [16]: f=open("mots_DB.csv","w")
writer = csv.writer(f)
for key, value in D_mot2phonemes.items():
writer.writerow([key, value])

```
JohnnyDepp.py
1 from nltk.tokenize import SyllableTokenizer
2 from nltk import word_tokenize
3
4 word_DB_path='liste_francais.txt'
5
6 word_DB=[]
7 f=open(word_DB_path,'r', encoding='latin1')
8 for line in f.readlines():
9     word_DB.append(line.strip('\n'))
10 f.close()
11
12 SSP = SyllableTokenizer()
13 for word in word_DB:
14     print(word,SSP.tokenize(word))

virgule ['vir', 'gu', 'le']
viril ['vi', 'ril']
virilité ['vi', 'ri', 'li', 'té']
virtuellement ['vir', 'tuel', '']
virtuose ['vir', 'tuo', 'se']
virtuosité ['vir', 'tuo', 'si', 'té']
virulent ['vi', 'ru', 'lent']
virulente ['vi', 'ru', 'len', 'té']
virus ['vi', 'rus']
vis ['vis']
visa ['vi', 'sa']
visage ['vi', 'sa', 'ge']
visages ['vi', 'sa', 'ges']
visait ['vi', 'sait']
visant ['vi', 'sant']
visas ['vi', 'sas']
vise ['vi', 'se']
visé ['vi', 'sé']
visée ['vi', 'sée']
visées ['vi', 'sées']
visent ['vi', 'sent']
viser ['vi', 'ser']
visibilité ['vi', 'si', 'bi', 'té']
visible ['vi', 'si', 'ble']
visiblement ['vi', 'si', 'ble']
visibles ['vi', 'si', 'bles']
vision ['vi', 'sion']
visionnaire ['vi', 'sion', 'nai']
visions ['vi', 'sions']
visite ['vi', 'si', 'té']
visité ['vi', 'si', 'té']
visiter ['vi', 'si', 'ter']
visites ['vi', 'si', 'tes']
visiteur ['vi', 'si', 'teur']
visiteurs ['vi', 'si', 'teurs']
visqueux ['vis', 'que', 'ux']
visser ['vis', 'ser']
visuel ['vi', 'suel']
vit ['vit']
vital ['vi', 'tal']
vitalité ['vi', 'ta', 'li', 'té']
vite ['vi', 'te']
vitesse ['vi', 'tes', 'se']
vitesses ['vi', 'tes', 'ses']
vitez ['vi', 'tez']
```

ographe', 'tissu', 'an', 'typique', 'tiria', 'tisser', 'Tibede', 'typhon', 'tireulaire', 'tilleul', onner', 'Timisoara', oré', 'tituber', 'tio', 'timidement', 'te', 'tirant', 'tiré'idité', 'Titus', 'tiket', 'tinette', 'ty

```
works/Python.framework/Versions/2.7/Resources/Python.ap
3': [Errno 2] No such file or directory
python % pwd
Documents/PERSONNEL/BEBOUBE/_Code/Beboube 06/python
python % python3 beboube.py
la chaîne : 40
rt : déjeuner
ire', 'ergoter', 'téléspectateur', 'heure', 'récital',
elles', 'Helsinki', 'quitte', 'itinérant', 'renverser',
le', 'elle-même', 'aimanté', 'théoriquement', 'manqué',
ope', 'option', 'ombilic', 'ictère', 'airain', 'Rhin',
chie', 'chirurgical', 'altérer', 'récidiver', 'vénère']
python %
```

Magenta

O LONGU SAUVE IN

EUR DE GARDE E

LA R LA W

BOUCL BOUCL

E : 20 E

MOTS

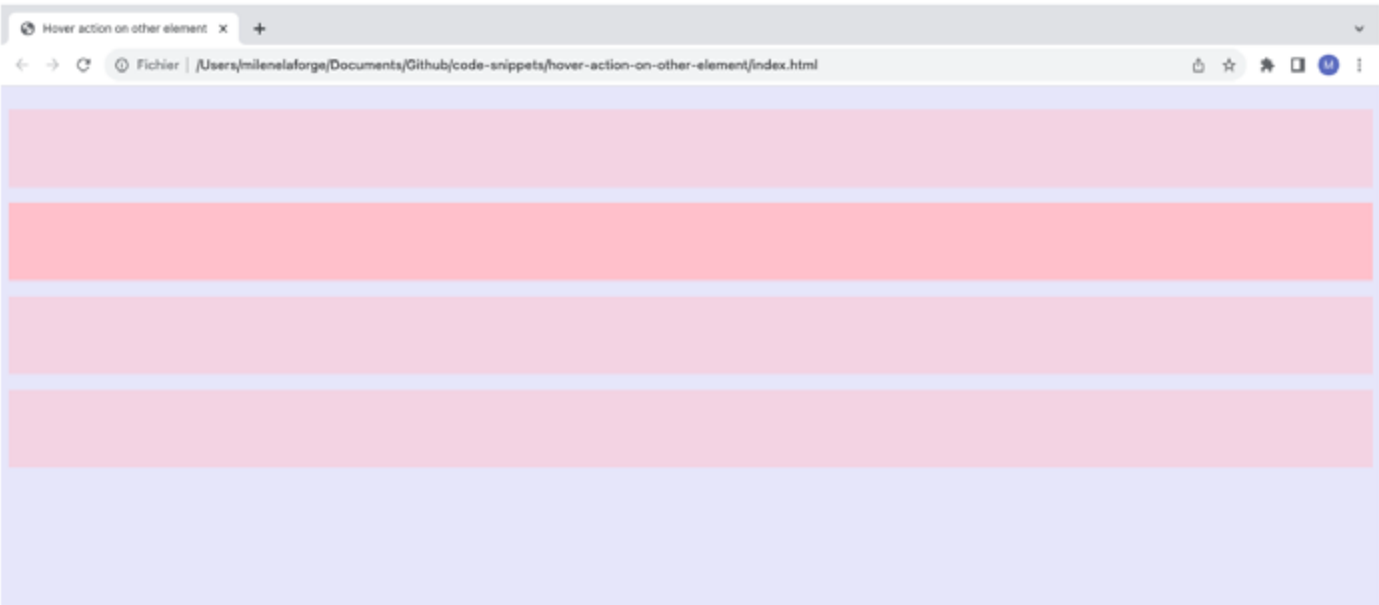
CheGuevarasdepicoréboulangerieauLéonardoDiCapriorangemécaniquatèrebivoreagedepierralentitérationiratousauparadis
d'hiversacCheGuevaraBoucle n°2 : LéonardoDiCapriorangemécaniquatèrebivoreagedepierralentitérationiratousauparadisms

Phonemes	IPA	Examples	D1	D2	D3
i	i:	tea	vowel	front	high
I	I	pit	vowel	front	mid-high
e	e	bay	vowel	front	mid
E	e	pet	vowel	front	mid-low
&	æ	pat	vowel	front	low
@	ə	above	vowel	central	mid-high
3	ɜ:	burn	vowel	central	mid
V	ʌ	but	vowel	central	mid-low
a	a	buy	vowel	central	low
u	u:	put	vowel	back	high
U	ʊ	foot	vowel	back	mid-high
O	ɔ:	born	vowel	back	mid
Q	ɒ	pot	vowel	back	mid-low
A	ɑ:	barn	vowel	back	low
p	p	pit	voiceless	bilabial	stop
t	t	tip	voiceless	alveolar	stop
k	k	kick	voiceless	velar	stop
b	b	bit	voiced	bilabial	stop
d	d	dip	voiced	alveolar	stop
g	g	game	voiced	velar	stop
m	m	mad	voiced	bilabial	nasal
n	n	net	voiced	alveolar	nasal
N	ŋ	ping	voiced	velar	nasal
l	l	lip	voiced	alveolar	lateral
r	r	rip	voiced	alveolar	approximant
f	f	few	voiceless	labio-dental	fricative
v	v	view	voiced	labio-dental	fricative
s	s	sad	voiceless	alveolar	fricative
z	z	zoo	voiced	alveolar	fricative
S	ʃ	shoe	voiceless	palato-alveolar	fricative
Z	ʒ	measure	voiced	palato-alveolar	fricative
j	j	yip	voiced	palatal	approximant
h	h	hop	voiceless	glottal	approximant
w	w	witch	voiced	velar	approximant
T	θ	thin	voiceless	dental	fricative
D	ð	then	voiced	dental	fricative
C	tʃ	cheap	voiceless	palatal	fricative

Hover action on other element

This snippet allows to act on other divs while hovering one.
You can set as many css options as you want: opacity, filters, background-color, text-color, visibility...

Demos screenshots



Brush cursor

This code creates a brush stroke in the cursor path.
The brush's appearance can be customized in js and css.

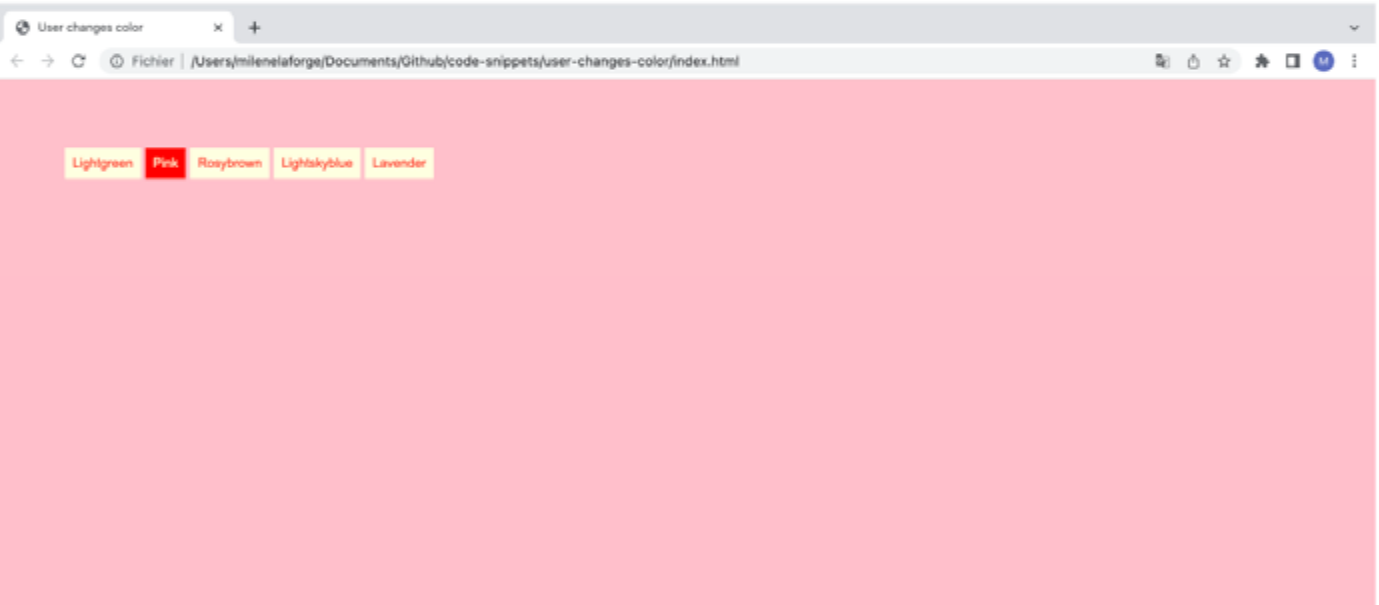
Demos screenshots



User changes color

This code allows the user to customize the web page (example background-color).
The js is directly built to define the css background color according to the innerHTML of each button.

Demos screenshots



Flexible columns

This code offers a simple two-column layout where can proportionnaly inscrease the size of right-colmun when you reduce left-column one's. It uses flex proportions.

Demos screenshots



Horizontal scroll

This code scrolls horizontally across the page when the pad or wheel is used horizontally or vertically.

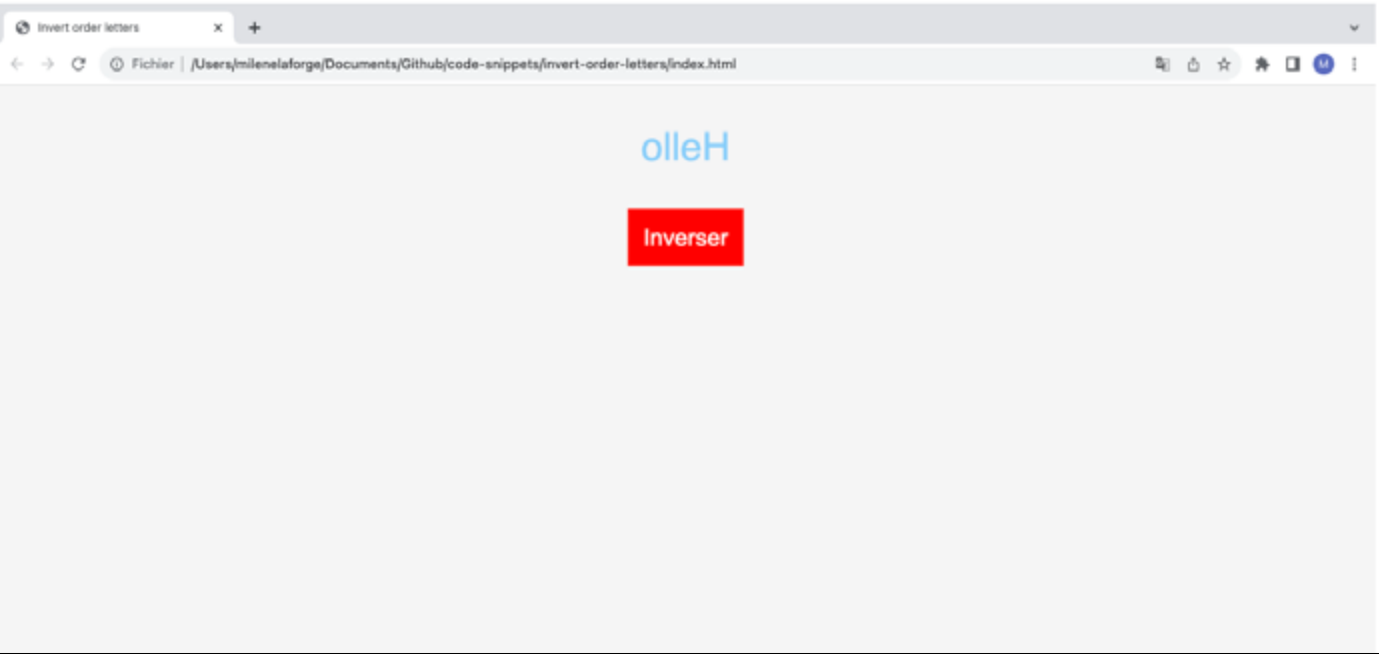
Demos screenshots

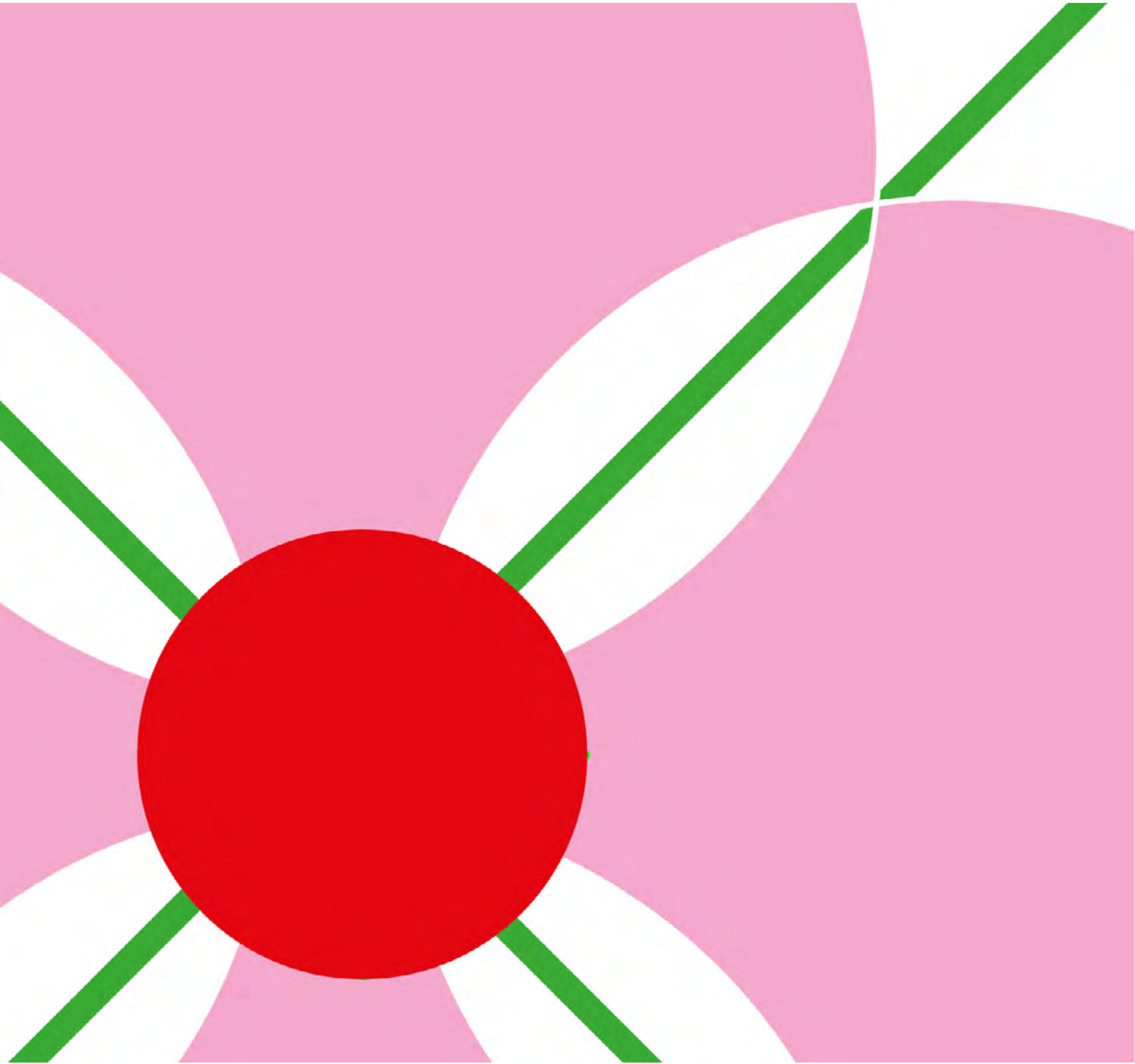


Invert order letters

Simple code to invert letters in each word of the text by clicking on a button.
An alternative would be to use a hover (in a menu, for example).

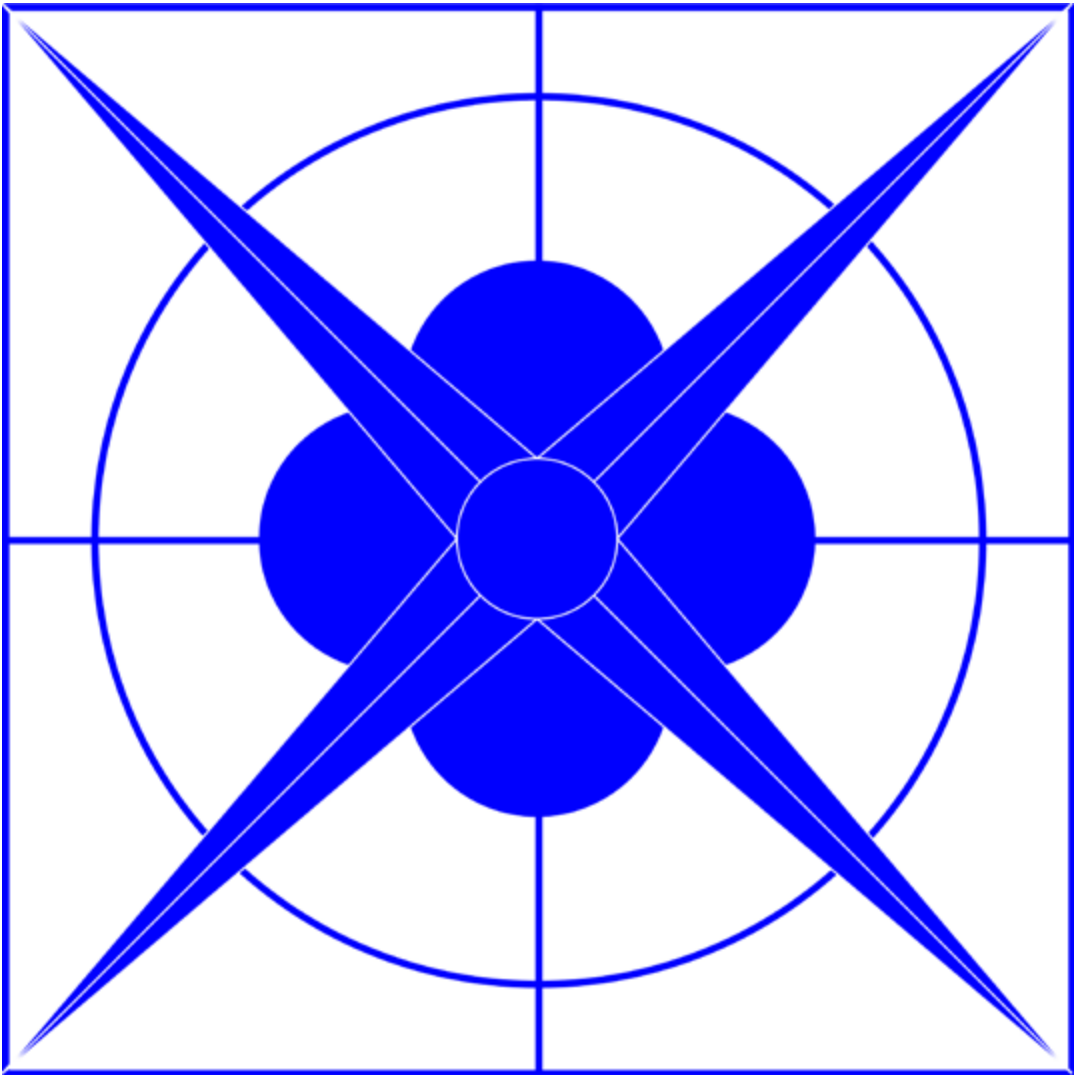
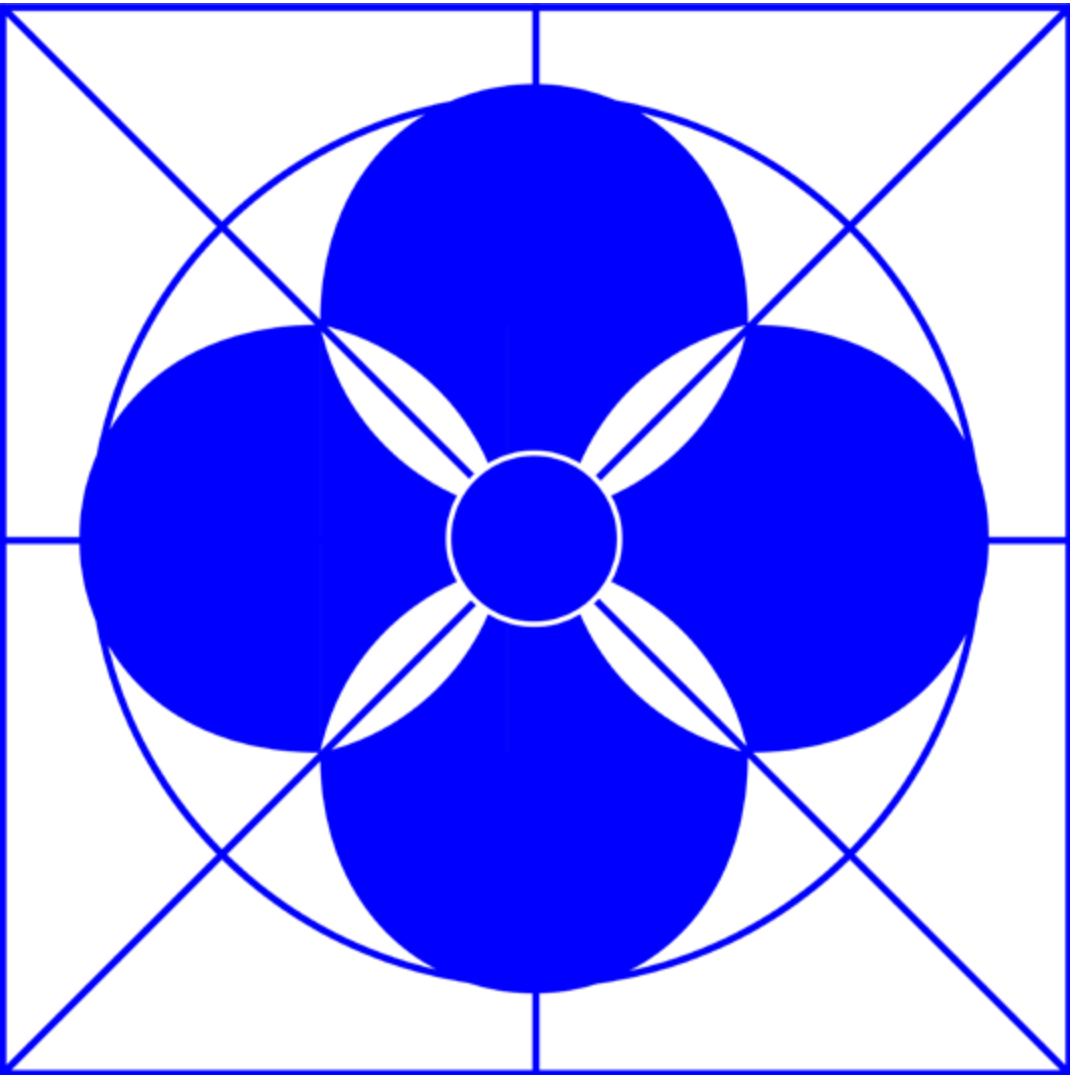
Demos screenshots

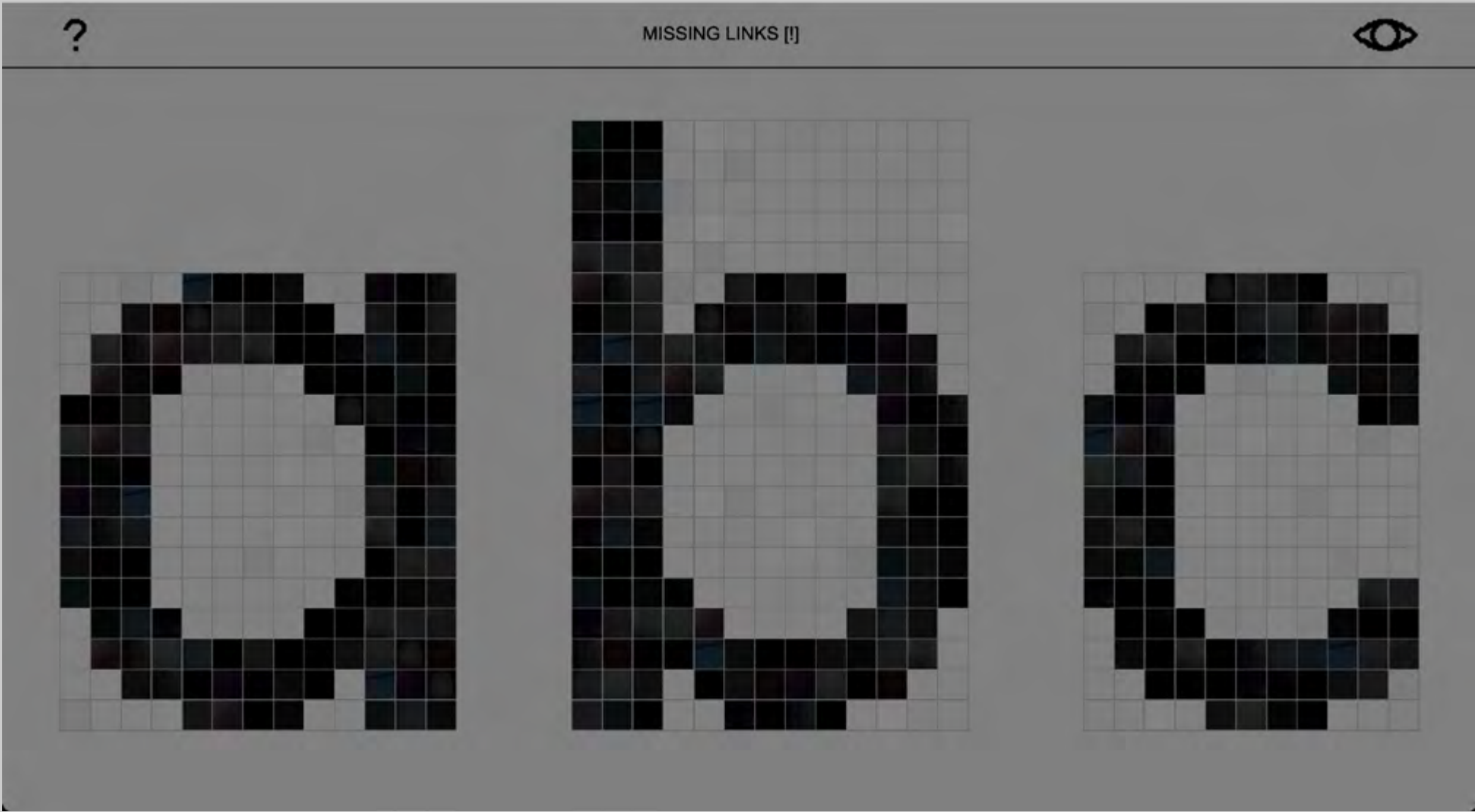




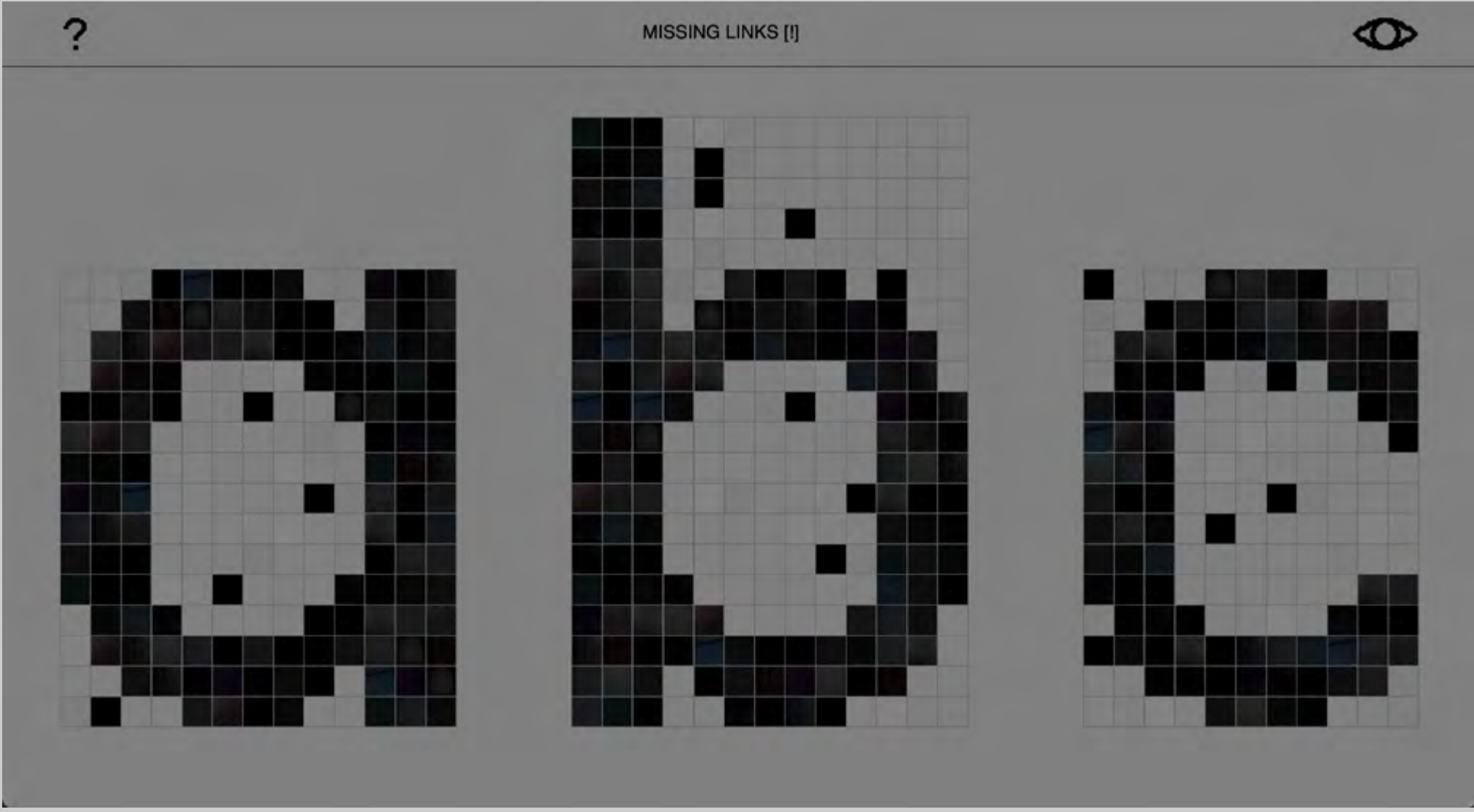
```
<svg>
<rect x="0" y="0" width="600" height="600" stroke-width="4" stroke="blue"/>
<line x1="300" x2="300" y1="0" y2="600" stroke-width="4" stroke="blue"/>
<line x1="1" x2="600" y1="300" y2="300" stroke-width="4" stroke="blue"/>
<line x1="1" x2="600" y1="0" y2="600" stroke-width="4" stroke="blue"/>
<line x1="601" x2="0" y1="0" y2="600" stroke-width="4" stroke="blue"/>
<circle cx="301" cy="300" r="250" stroke-width="4" stroke="blue"/>
<path d="M180 180 C 180 0, 420 0, 420 180" fill="blue"/>
<path d="M180 180 A 135 135, 0, 0, 1, 285 300 L 285 180 Z" fill="blue"/>
<path d="M420 180 A 135 135, 1, 0, 0, 315 300 L 315 180 Z" fill="blue"/>
<rect x="285" y="180" width="30" height="120" fill="blue"/>
<path d="M420 180 C 600 180, 600 420, 420 420" fill="blue"/>
<path d="M420 420 A 135 135, 1, 0, 0, 315 315 L 420 315 Z" fill="blue"/>
<path d="M420 180 A 135 135, 0, 0, 1, 315 285 L 420 285 Z" fill="blue"/>
<rect x="300" y="285" width="120" height="30" fill="blue"/>
<path d="M180 420 C 180 600, 420 600, 420 420" fill="blue"/>
<path d="M180 420 A 135 135, 1, 0, 0, 285 300 L 285 420 Z" fill="blue"/>
<path d="M420 420 A 135 135, 0, 0, 1, 315 300 L 315 420 Z" fill="blue"/>
<rect cx="285" y="300" width="30" height="120" fill="blue"/>
<path d="M180 180 C 0 180, 0 420, 180 420" fill="blue"/>
<path d="M180 420 A 135 135, 0, 0, 1, 285 315 L 180 315 Z" fill="blue"/>
<path d="M180 180 A 135 135, 1, 0, 0, 285 285 L 180 285 Z" fill="blue"/>
<rect x="180" y="285" width="120" height="30" fill="blue"/>
<circle cx="300" cy="300" r="48" stroke="white" fill="blue"/>
</svg>
```

```
<svg>
<rect x="0" y="0" width="600" height="600" stroke-width="4" stroke="blue"/>
<line x1="1" x2="600" y1="0" y2="600" stroke-width="4" stroke="blue"/>
<line x1="601" x2="0" y1="0" y2="600" stroke-width="4" stroke="blue"/>
<circle cx="301" cy="300" r="250" stroke-width="4" stroke="blue"/>
<circle cx="300" cy="219" r="75" fill="blue"/>
<circle cx="381" cy="300" r="75" fill="blue"/>
<circle cx="300" cy="381" r="75" fill="blue"/>
<circle cx="219" cy="300" r="75" fill="blue"/>
<polygon points="0 0,300 255,300 300,255 300" fill="blue"/>
<polygon points="600 0,300 255,300 300,345 300" fill="blue"/>
<polygon points="600 600 300 345,300 300,345 300" fill="blue"/>
<polygon points="0 600,255 300,300 300,345 300" fill="blue"/>
<line x1="0" x2="600" y1="0" y2="600" stroke-width="1" stroke="white"/>
<line x1="600" x2="0" y1="0" y2="600" stroke-width="1" stroke="white"/>
<circle cx="300" cy="300" r="45" stroke="white" fill="blue"/>
</svg>
```





2025/04/18



2025/08/07

Thank you!