

# Generative Artificial Intelligence and the Politics of Perception: Artistic Practice as Critical Intervention

4th International Technical University of Kenya  
- Exploring Visual Cultures Conference

The Technical University of Kenya/online, 26. November 2024





queen  
woman  
girl  
boy  
man  
king  
queen  
water

What's the problem with  
„AI“ & „generative AI“ (GAI)?

CLIP

U-NET  
+ SCHEDULER

DECODER

## Contrastive Language-Image Pre-training

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actually: **has built up statistical patterns between billions of items in the data set**



CLIP

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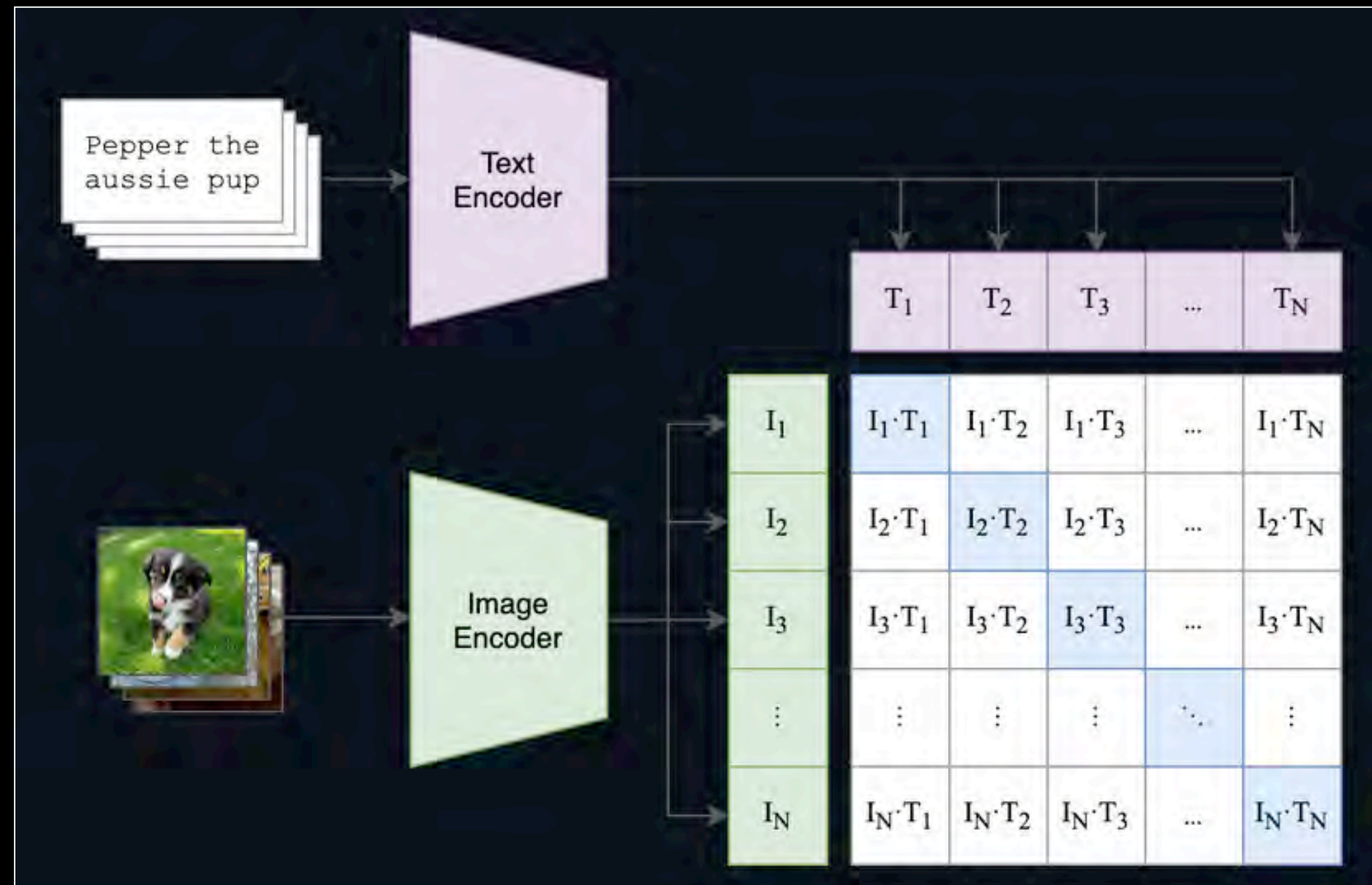
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→ projects images and words into a „high-dimensional space“, i.e. **vectors** with many dimensions that can be combined

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 $v$  [0.24,0.86,-0.70,-0.872 ... ]  
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## „Contrastive Pre-Training“





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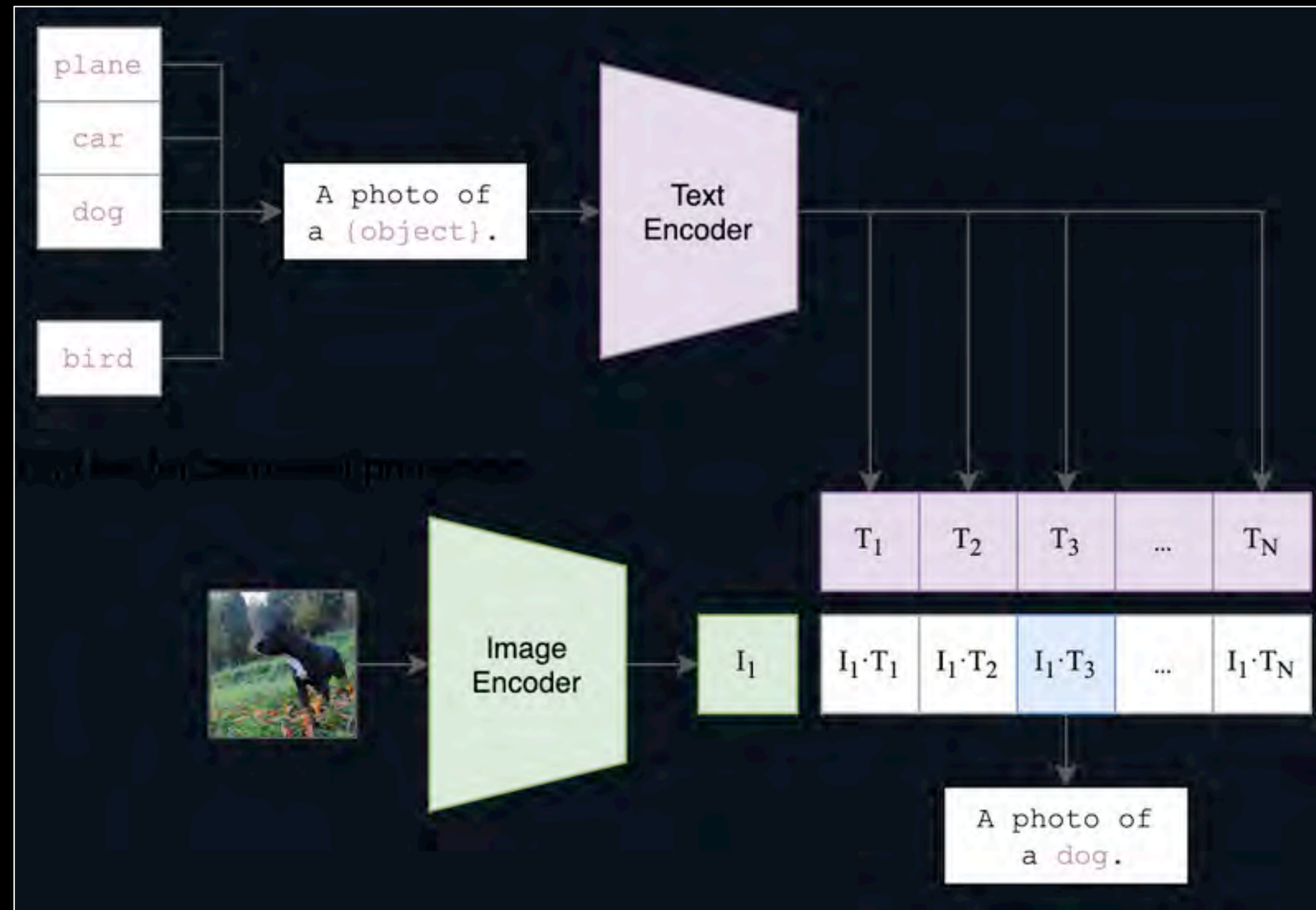
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**Categorize any image using CLIP and always get a result**



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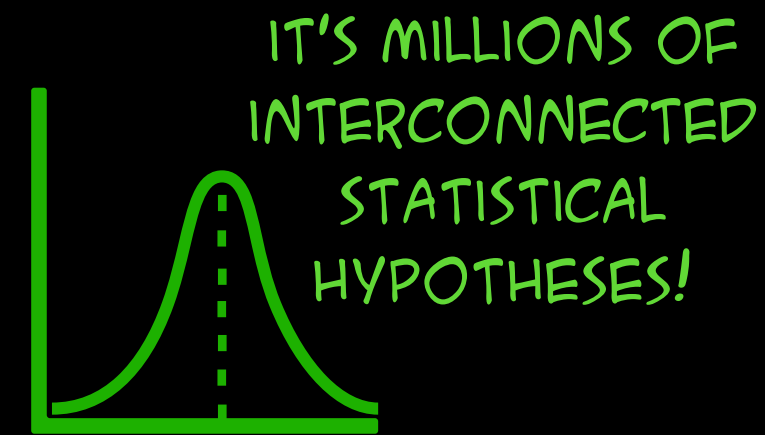
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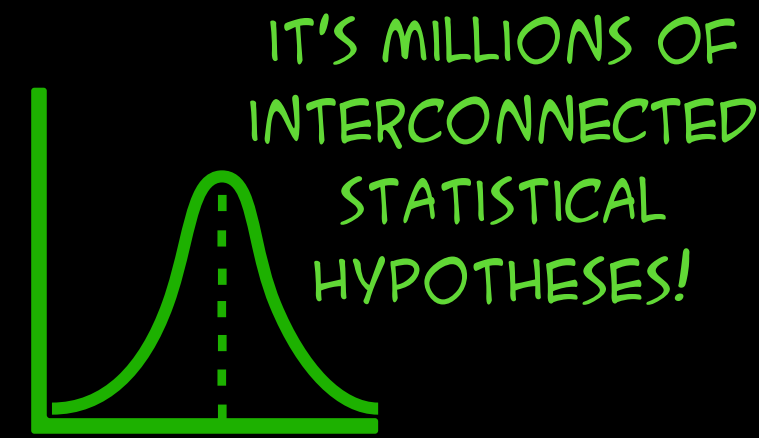
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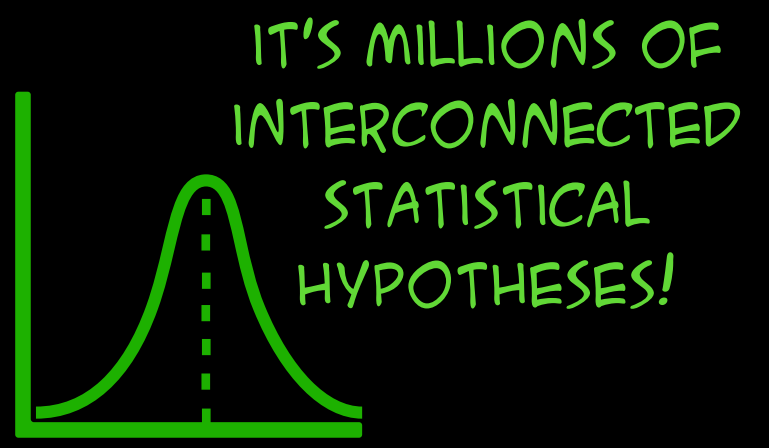
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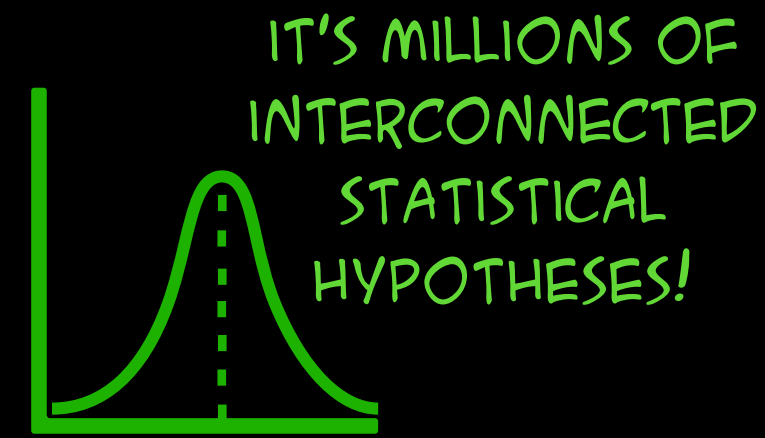
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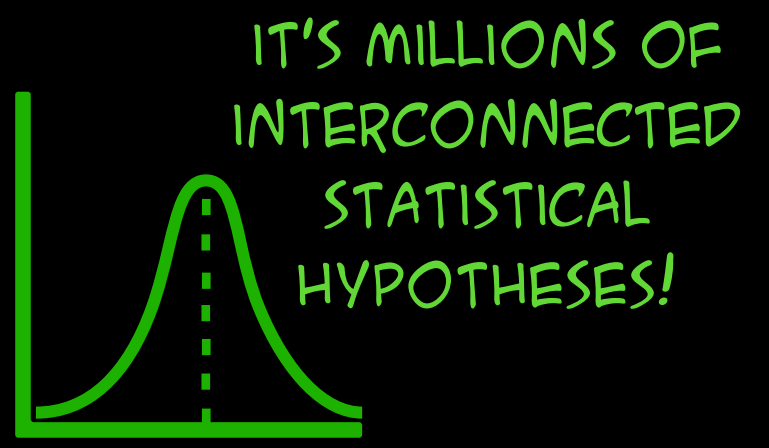
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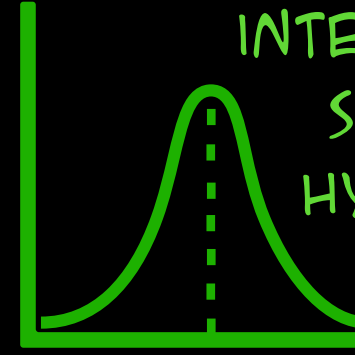
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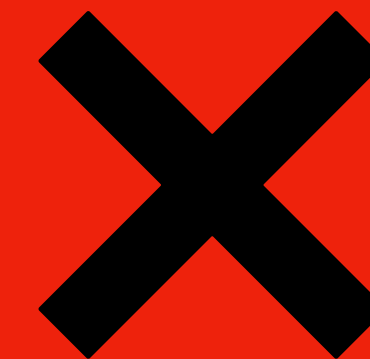
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WHAT HAPPENS TO THINGS THAT



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WHO CLEANED THE DATASETS?

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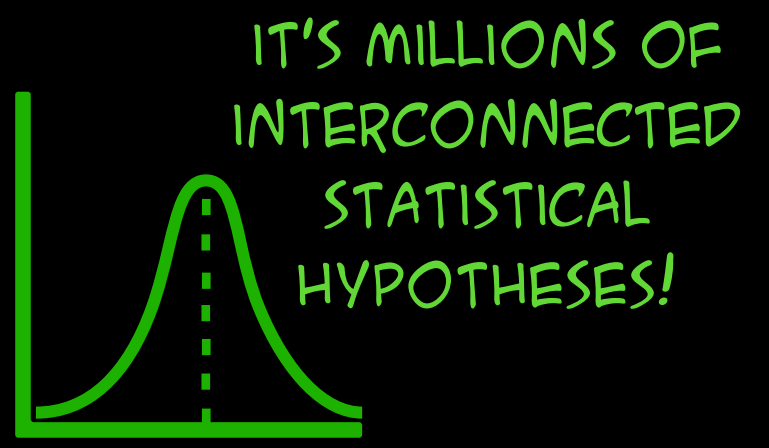
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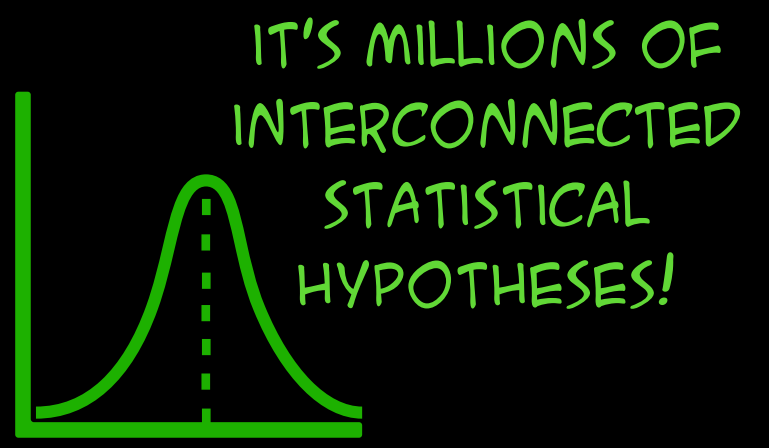
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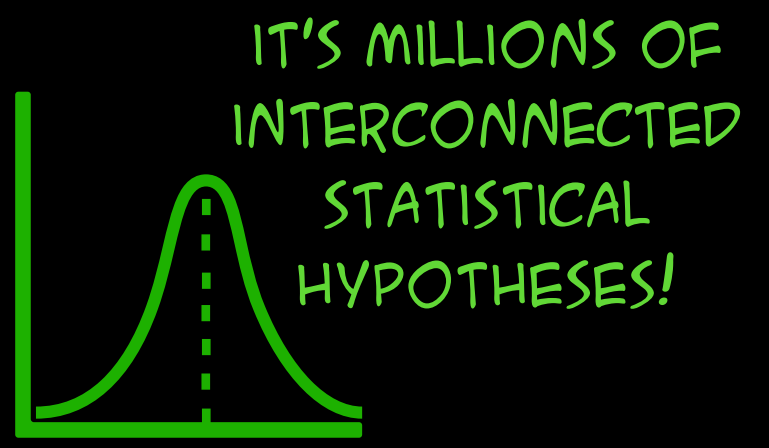
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BUT IT TAKES A LOT OF TIME



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we activate  
– i.e. use, rely on –  
CLIP

CLIP

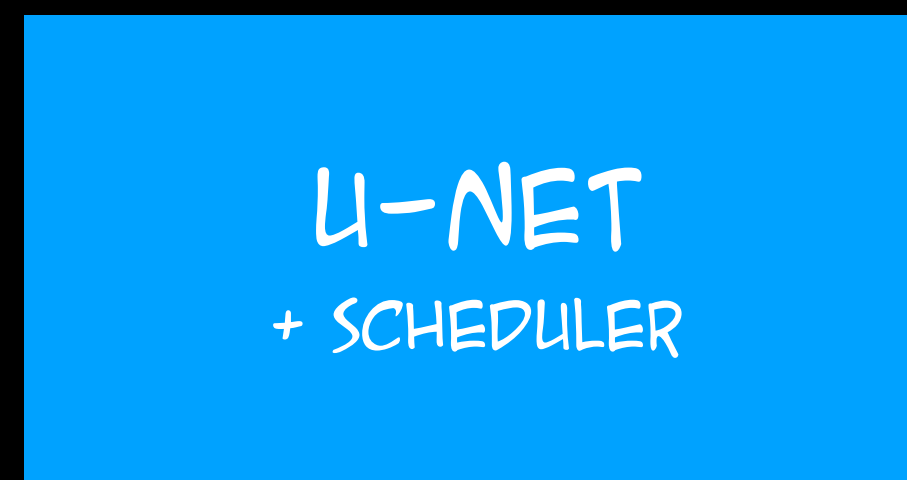
passes  
semantic  
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U-NET  
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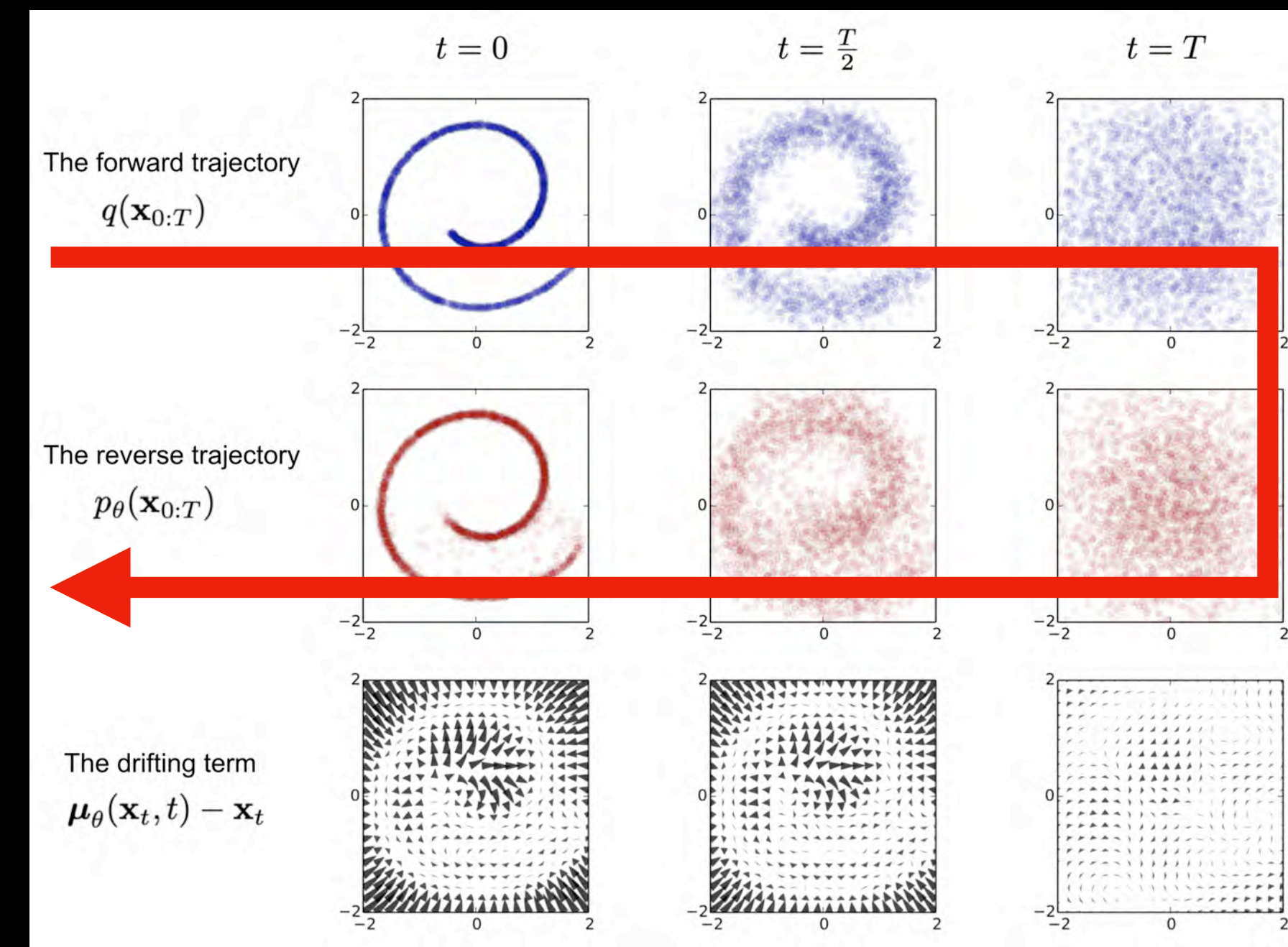


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data sets to **let images appear  
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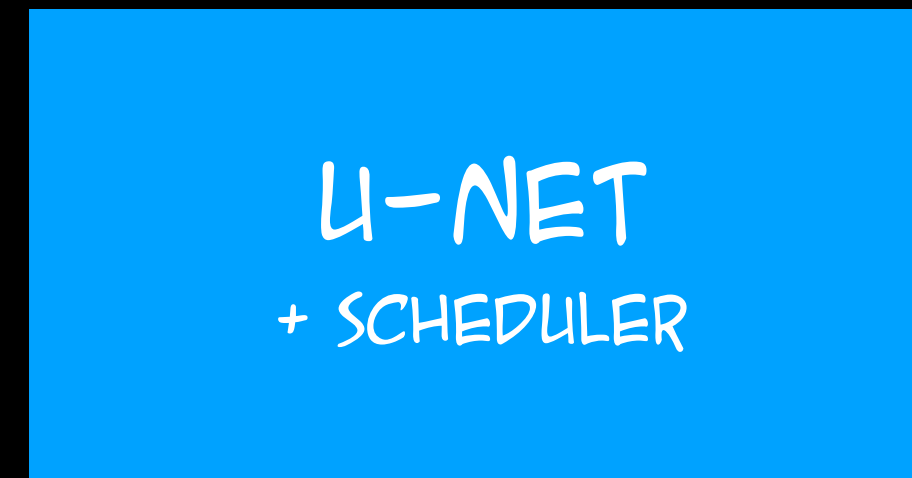
→ does not directly read our  
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CLIP

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DECODER

→ not interesting to us,  
retranslates the „latent“  
image into a standard image





Four approaches towards AI,  
and how they might inform  
our practice



1

radical hope

# Charles Tonderai Mudede: „radical technophilia“



Bildlogo der Konferenz „AI: Ancestral Immediacies“, HKW Berlin, 24.-26.5.24  
<https://www.hkw.de/en/programme/ai-ancestral-immediacies-alterlife-afterlife>

„But what if a machine not only remembered those darkest of days [of slavery] but also realized how they continue to structure the capitalist global economy of our times??“

„What if, with this technology, **economics really became** the splendid dream of the neoclassical school: **not a matter of social history but of models and algebra**. A political-economic machine that really lives up to the Benthamite promise of generating the greatest amount of good for the greatest number of humans—what kind of machine would this be?“

„**If AI becomes not just us**, as the computer architect Blaise Aguera y Arcas maintains, **but much more than us**, if it sees society in technical rather than cultural or spiritual terms, **then the days of slavery will not only be remembered but erased, cleared.**“

Mudede, C. T. (2024). Will AI Remember the Days of Slavery? E-Flux, 143.  
<https://www.e-flux.com/journal/143/592571/will-ai-remember-the-days-of-slavery/>



Critically embracing technology:  
Generative software as an algorithmic,  
culturally sensitive dialogue partner and as  
a decolonial liberation program.



Lewis, G. E. (2000). Too Many Notes: Computers, Complexity and Culture in „Voyager“. *Leonardo Music Journal*, 10, 33–39.

WAYS & MEANS

## Too Many Notes: Computers, Complexity and Culture in *Voyager*

*George E. Lewis*

**V***oyager* [1,2] is a nonhierarchical, interactive musical environment that privileges improvisation. In *Voyager*, improvisors engage in dialogue with a computer-driven, interactive “virtual improvising orchestra.” A computer program analyzes aspects of a human improvisor’s performance in real time, using that analysis to guide an automatic composition (or, if you will, improvisation) program that generates both complex responses to the musician’s playing and independent behavior that arises from its own internal processes.

This work, which is one of my most widely performed compositions, deals with the nature of music and, in particular, the processes by which improvising musicians produce it. These questions can encompass not only technological or music-theoretical interests but philosophical, political, cultural and social concerns as well. This is consistent with the instrumental dimension or tendency in African musical organization, or what Robert Farris Thompson [3] identifies as “songs and dances of social allusion,” one of several “ancient African organizing principles of song and dance that crossed the seas from the Old World to the New.”

*Voyager*’s unusual amalgamation of improvisation, indeterminacy, empathy and the logical, utterly systematic structure of the computer program is described throughout this article not only as an environment, but as a “program,” a “system” and a “composition,” in the musical sense of that term. In fact, the work can take on aspects of all of these terms simultaneously—considering the conceptual level, the process of

appears to stand practically alone in the trenchancy and thoroughness of its analysis of these issues with respect to computer music. This viewpoint contrasts markedly with Catherine M. Cameron’s [4] rather celebratory ethnography at-a-distance of what she terms “American experimentalism,” which the word “race” never appears, and in which her notion of a “musical class structure” is framed largely in terms of a now moribund debate about racial privilege between Europe and America.

In contrast, Born’s explicit inclusion of a female, all-white musical and cultural context, not only by the French institute, but also by tracing the outlines of the development of trans-European experimental music, offers an unrefuted thesis that the overwrought music research and composition (which has never unsteadily at times) within the cultural practices of European colonialism can imagine a work that, like *Voyager*, challenges the musical discourse using computers and historically as a branch of



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leads to the same result. *Voyager's* aesthetic of variation and difference is at variance with the information retrieval and control paradigm that late capitalism has found useful in framing its preferred approach to the encounter with computer technology. As I have observed elsewhere, interactivity has gradually become a metonym for information retrieval rather than dialogue, posing the danger of commodifying and ultimately reifying the encounter with technology:



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radical critique



# Extractionalism



Crawford, K. (2021). Atlas of AI: Power, Politics, and the Planetary Costs of Artificial Intelligence. Yale University Press.

## Episteme

*classification:* Commodification of traditional knowledge systems and ICH (Intangible Cultural Heritage)

## Culture

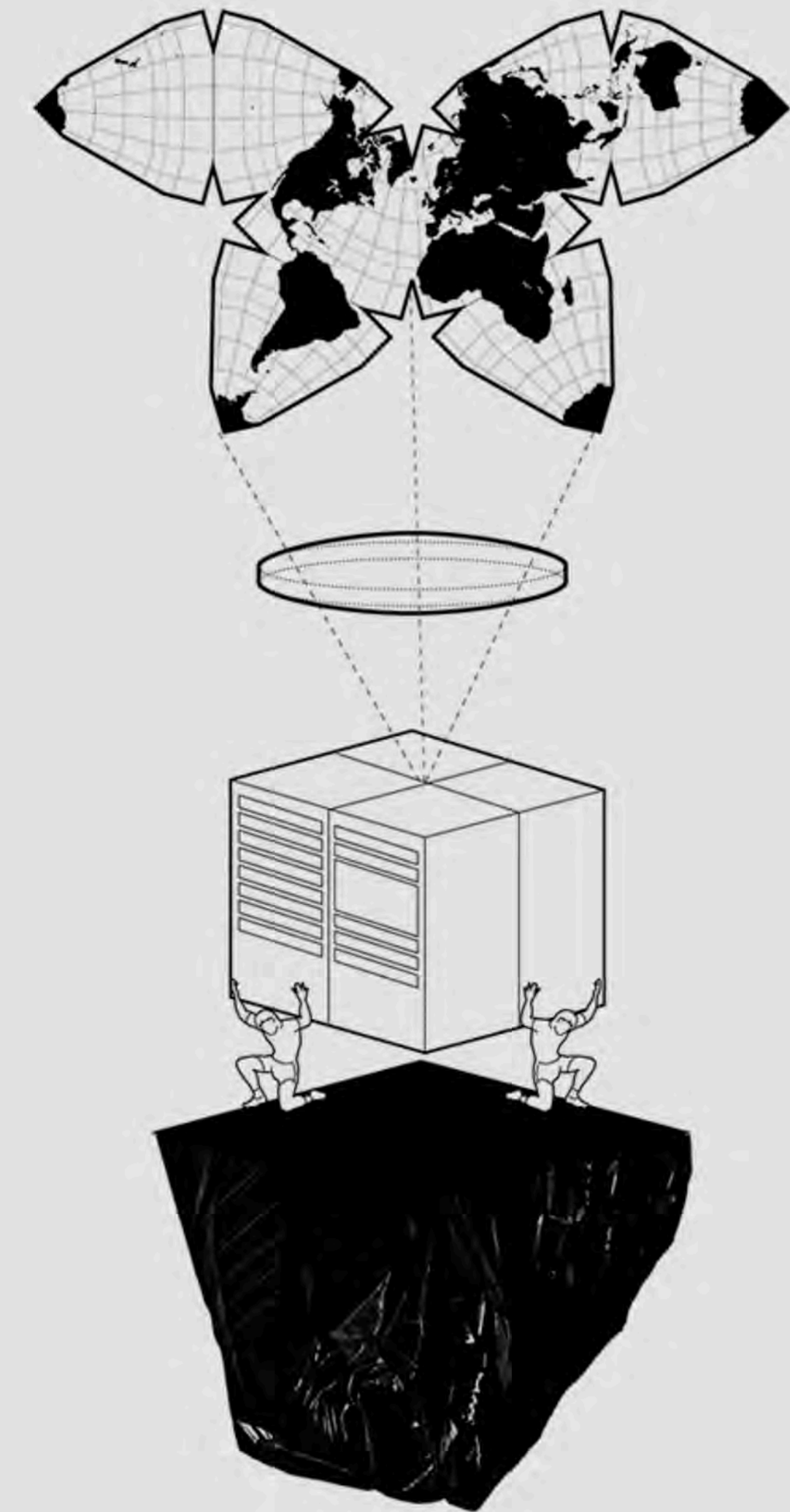
*data scraping:* Exploitation of creative labor

## Work

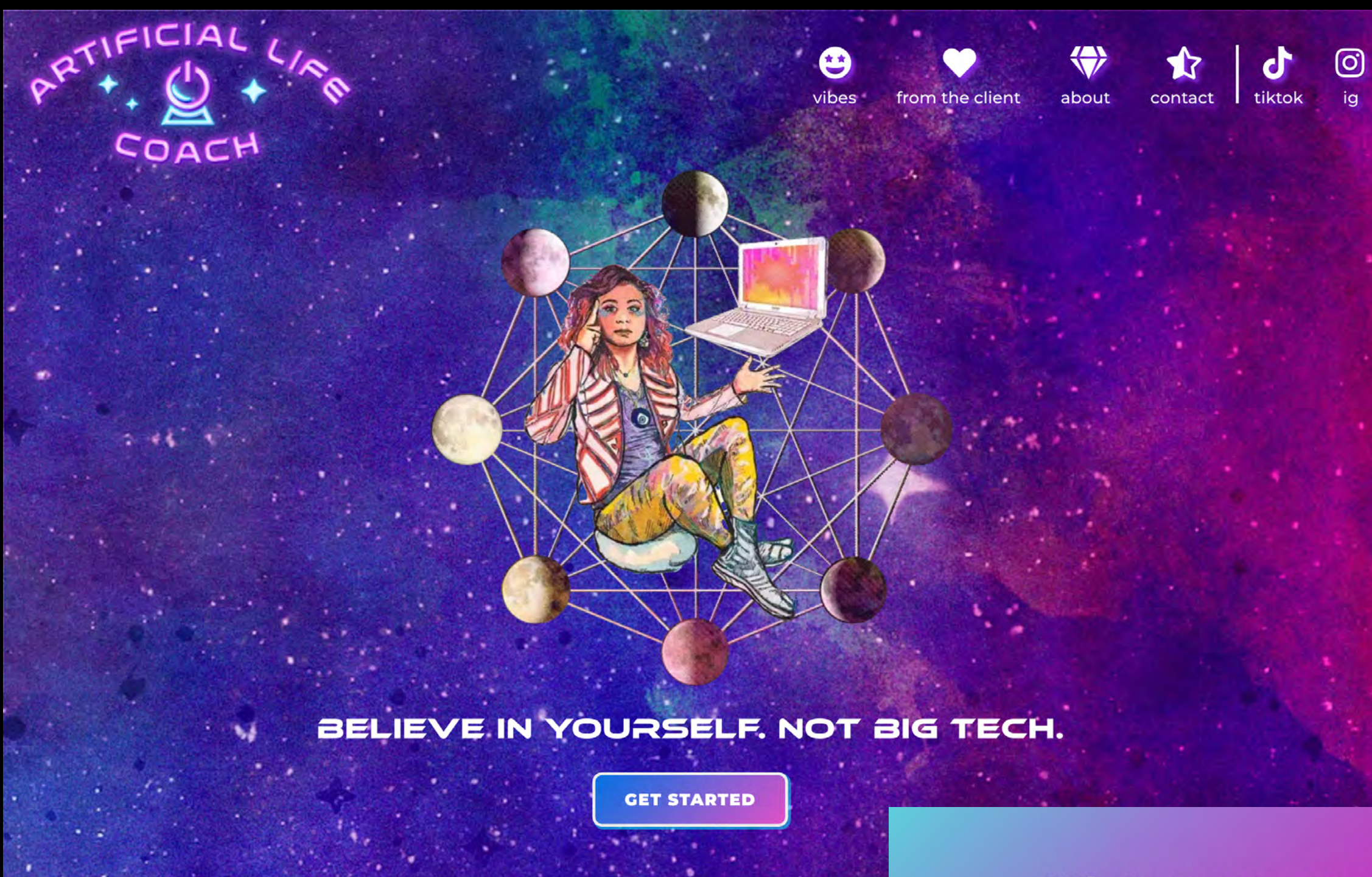
*data (click-) work:* Neocolonial exploitation

## Planetary Matters

**Planetary exploitation: Fossil energy, rare earths, toxic waste, (cooling) water**







# Şerife Wong: Artificial Life Coach

### What power source have we been plugged into?

AI tools can be fun and useful, but they are not magic. Companies often market AI tools as more powerful than they really are, getting everyone excited about a better future. **Better future for whom?** (Hint: better for the people making \$\$\$ selling AI)

This excitement can hide how these AI tools are already used to push us around, watch us, exploit us, and make many of our futures worse off than before – not better. Do we have a say?

Some tech leaders act more like cult leaders when it comes to AI. They promise they can work miracles with AI only they can provide; with AI only they can understand. **We deserve better.** Let's spit out the cups of AI Kool-Aid and reject AI cult leaders telling us what to believe.

*Everyone can understand AI. No one knows more than you how your life and your communities are affected by AI.*  
**Trust yourself. Not big tech.**

We don't need tech jargon or AI hype. AI marketing is meant to confuse us so we hear corporate voices not our own voices. Take in some fresh air. Artificial Life Coach makes space for what we have to say!

Find your space in our carefully curated VIBES page.

Curious about AI?  
Let Astrology Be Your Guide


# HOROSCOPES

Your astrological sign is the day you were launched into the world!

ARIES — THE DREAMER

## Aries

### The Dreamer



Some things just don't compute. We're not just talking bad math, we're talking bad dreams.

Dreams are powerful. Dreams shape what we want, what we believe in, what we get out of bed for.

Are you dreaming your own dream? Or is your future determined by someone else's dream?

How do you know? Listen to your gut. Look for others who have empathy. Cultivate discernment with meditation and self-reflection.

When you go to sleep tonight, unplug your mind, free the electric sheep, and listen.

**Find experts you vibe with and friends you trust.**

**MANIFEST IT**

**READ**  
Deb Raji guiding us away from daydreams to face real AI

**WATCH**  
Buse Çetin explain why AI is a social justice issue

TAURUS — THE PLANETARY

GEMINI — THE INFORMER

CANCER — THE TEACHER

LEO — THE PEACEMAKER

VIRGO — THE ORGANIZER



3

artistic autonomy





Kraftwerke genannt werden und bei denen es sich  
tatsächlich um von der KI vorhergesagte oder erzeugte

VF

Hito Steyerl on Power Plants, AI and music



The Vinyl Factory  
83.500 Abonnenten

Abonnieren

👍 170



➦ Teilen

✂️ Clip



Alle

Hito Steyerl

Ähnlich

Empfehlungen >

Introduction + Keynote



**Hito Steyerl, „Power Plants“, Serpentine Galleries London, 11. April – 6. Mai 2019**  
(in cooperation with musician and Spoken Word Artist Kojey Radical)

<https://youtu.be/1v08U5-BKnE?si=SgO-w3r1-4wC0Kqr>



## Hito Steyerl: „Mean Images“

AI and the Lens and  
Screen Arts Spring  
Symposium, New York,  
18.5.2023



eine Art Black-Box-Algorithmus dafür verantwortlich machen würden,  
bei dem  
geheime Operationen stattfinden. Das ist



+ Keynote Presentation | Hito Steyerl

<https://www.youtube.com/watch?v=LYF891n223w>



averaged internet garbage



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averaged internet garbage

remove the noise of reality



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AI and the Lens and  
Screen Arts Spring  
Symposium, New York,  
18.5.2023

averaged internet garbage

from establishing facts  
to expressing probability

remove the noise of reality

eine Art Black-Box-Algorithmus dafür verantwortlich machen würden,  
bei dem  
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**+ Keynote Presentation | Hito Steyerl**

<https://www.youtube.com/watch?v=LYF891n223w>



**Hito Steyerl:  
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represent the norm by signaling the mean,  
represent likenesses with likenesses

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4

cultural autonomy





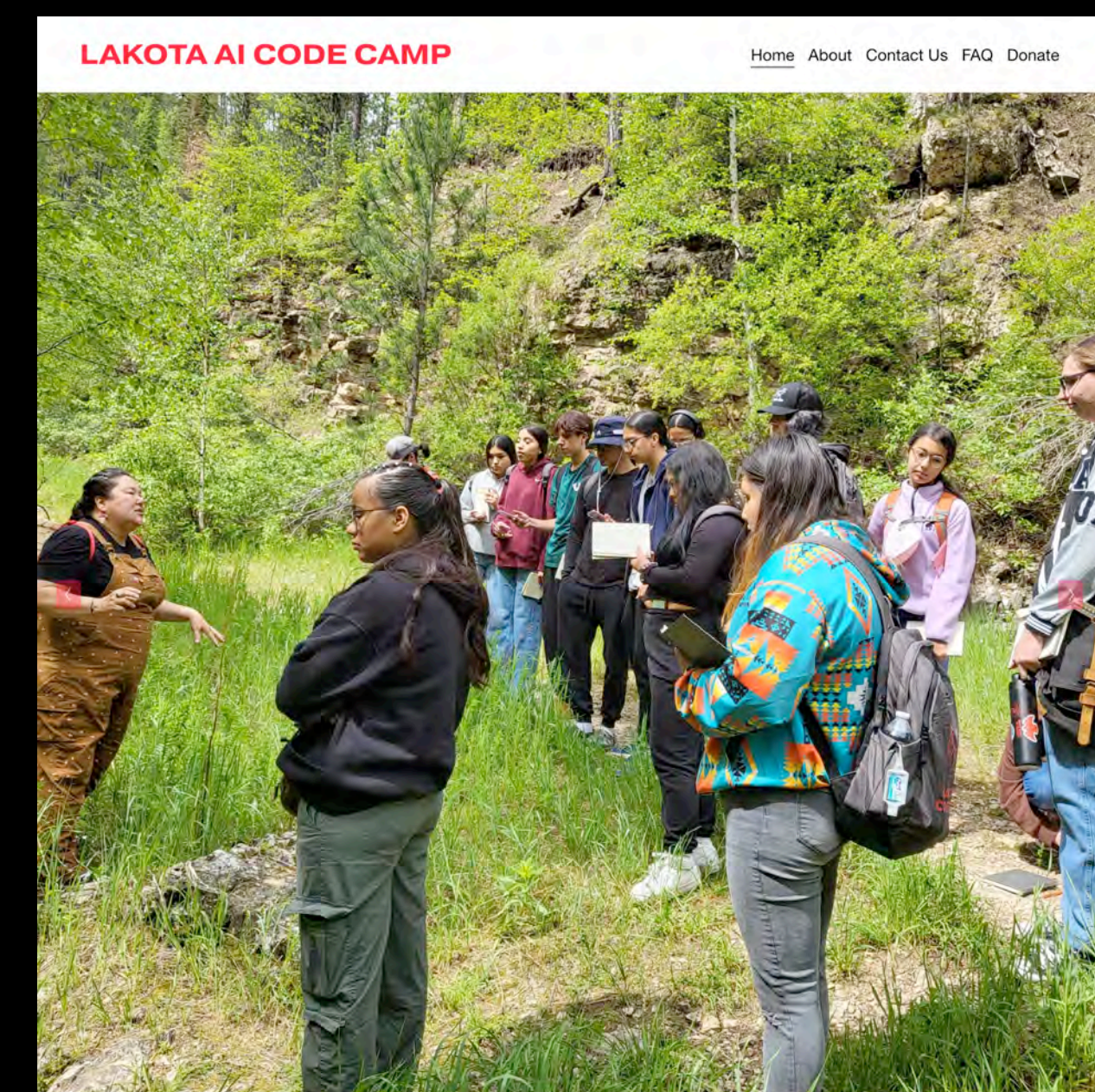
Um es ganz konkret zu sagen:

<https://www.youtube.com/watch?v=yqRoVMXM43M>

**Suzanne Kite**

**Oglála Lakḥóṭa artist, composer, and academic.**

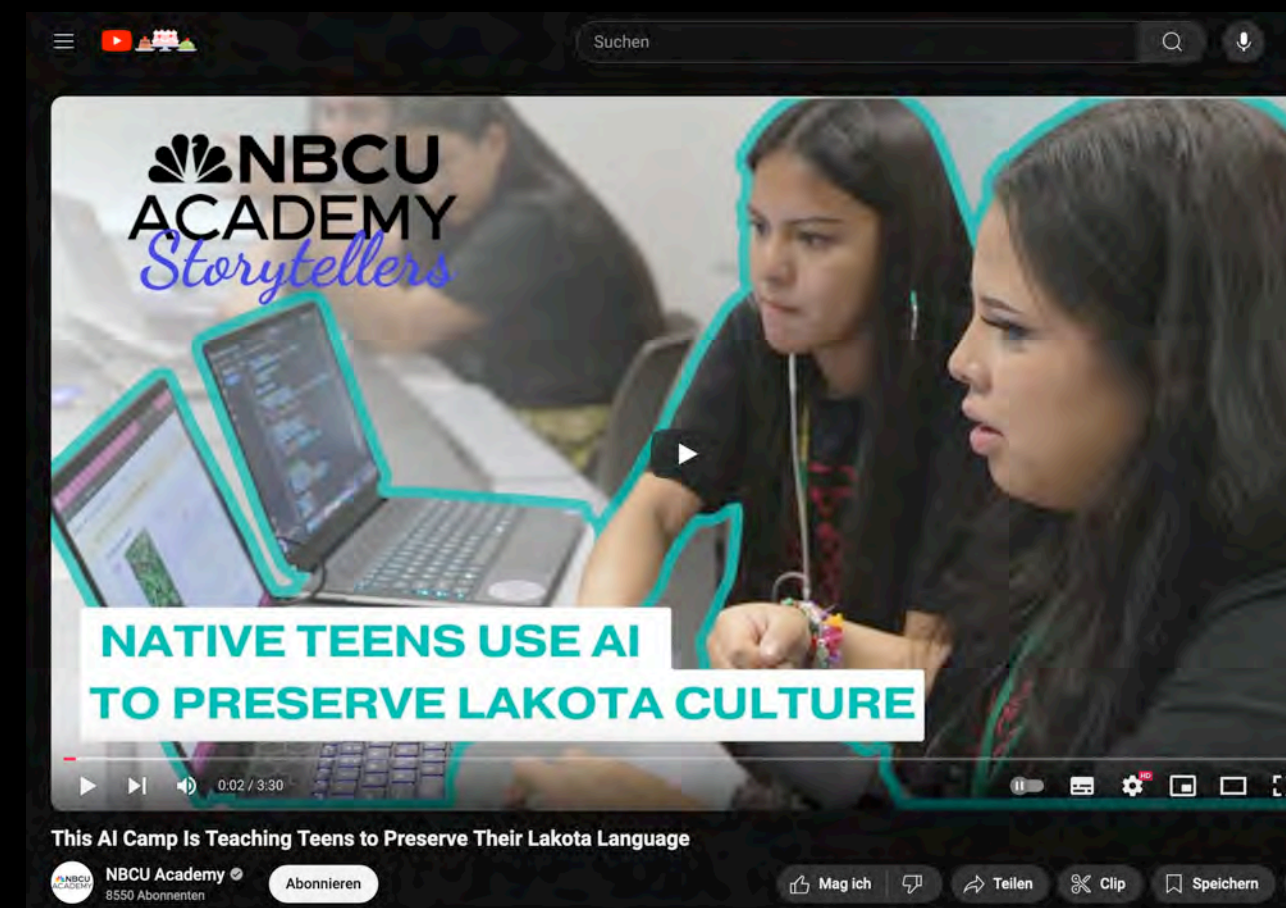
**<https://www.kitekitekitekite.com>**



**LAKOTA AI CODE  
CAMP 2024**

Dates: June 9 - June 28, 2024

Location: Black Hills State University,  
Spearfish, SD



<https://www.youtube.com/watch?v=quwcGtupcBA&t=2s>



# Activities

Lakota  
semiotics &  
song-making  
practices

1

2

Public  
communication  
of the research  
through  
artworks

AI tools  
collaborating  
with human  
dreamers

3

4

Publishing on  
Indigenous  
Research/  
Creation  
Methodologies

Beeinflussung durch  
künstliche Intelligenz.

Advancing culturally  
rooted norms and  
practices to develop  
ethical human/non-  
human relationships  
with AI.

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Artistic practice (“art  
work”) is essential for  
exploring these  
interrelations.

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Intensive  
collaboration  
beyond the  
boundaries of  
scientific  
knowledge vs.  
practical  
knowledge

<https://www.youtube.com/watch?v=yqRoVMXM43M>

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‘What is the connection  
between materials from  
the earth that are moulded  
into sculptures and the  
materials of our dreams  
that are moulded into  
songs?’

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‘What is the connection between materials from the earth that are moulded into sculptures and the materials of our dreams that are moulded into songs?’

‘How do Lakota ontologies prepare us to enter into new relationships and alliances with non-human beings, possibly including AI?’

<https://www.youtube.com/watch?v=yqRoVMXM43M>

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‘We are striving to overcome the idea of artificiality and in particular to leave behind the idea of Western intelligence, which I believe is a complete myth.’

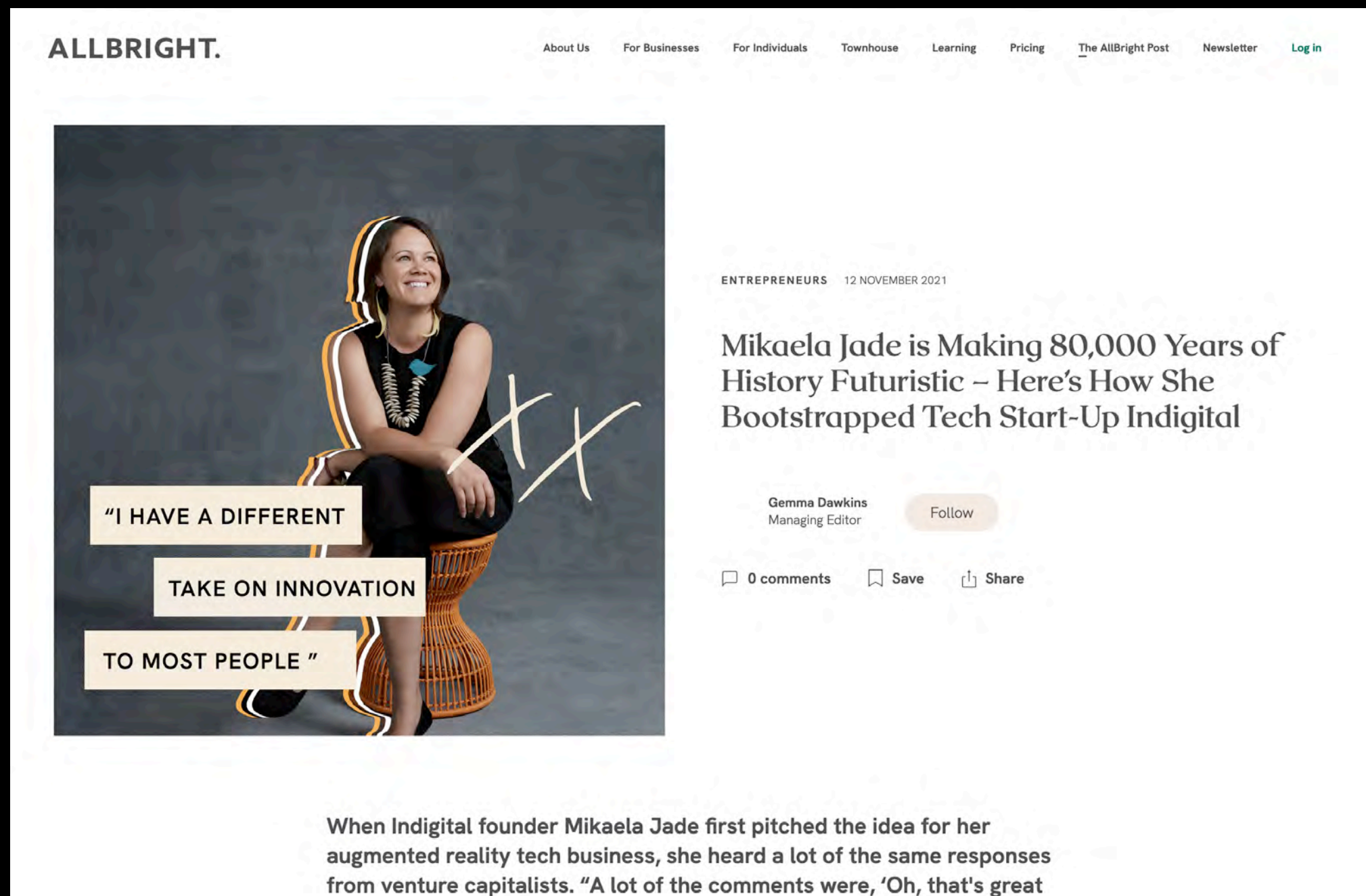
There is nothing ‘artificial’ in this world, and in my community, intelligence is not the criterion for whether someone deserves care.’

<https://www.youtube.com/watch?v=yqRoVMXM43M>

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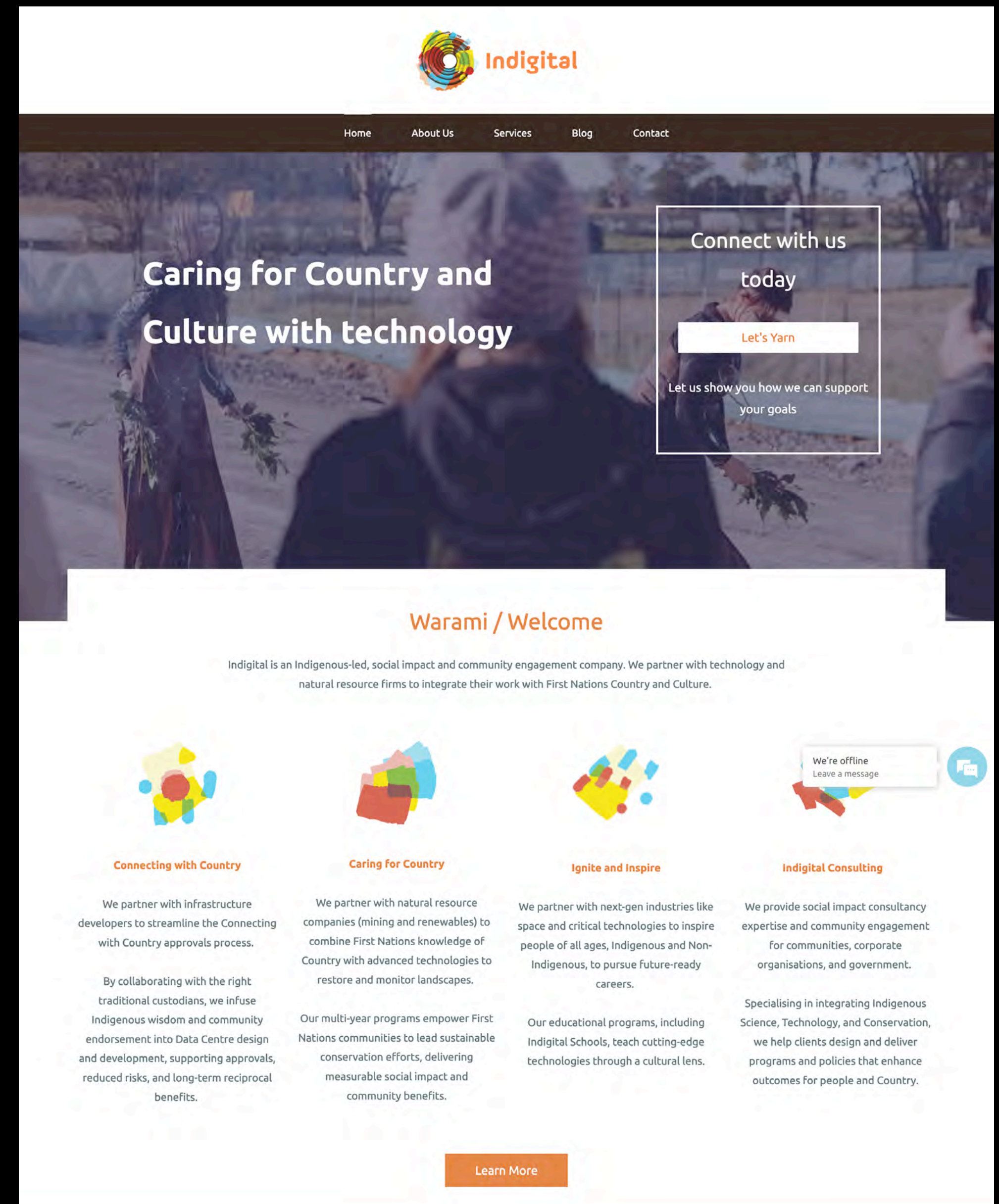


<https://www.allbrightcollective.com/edit/articles/mikaela-jade-indigital>

**AI as part of the history(ies) of the earth/minerals**

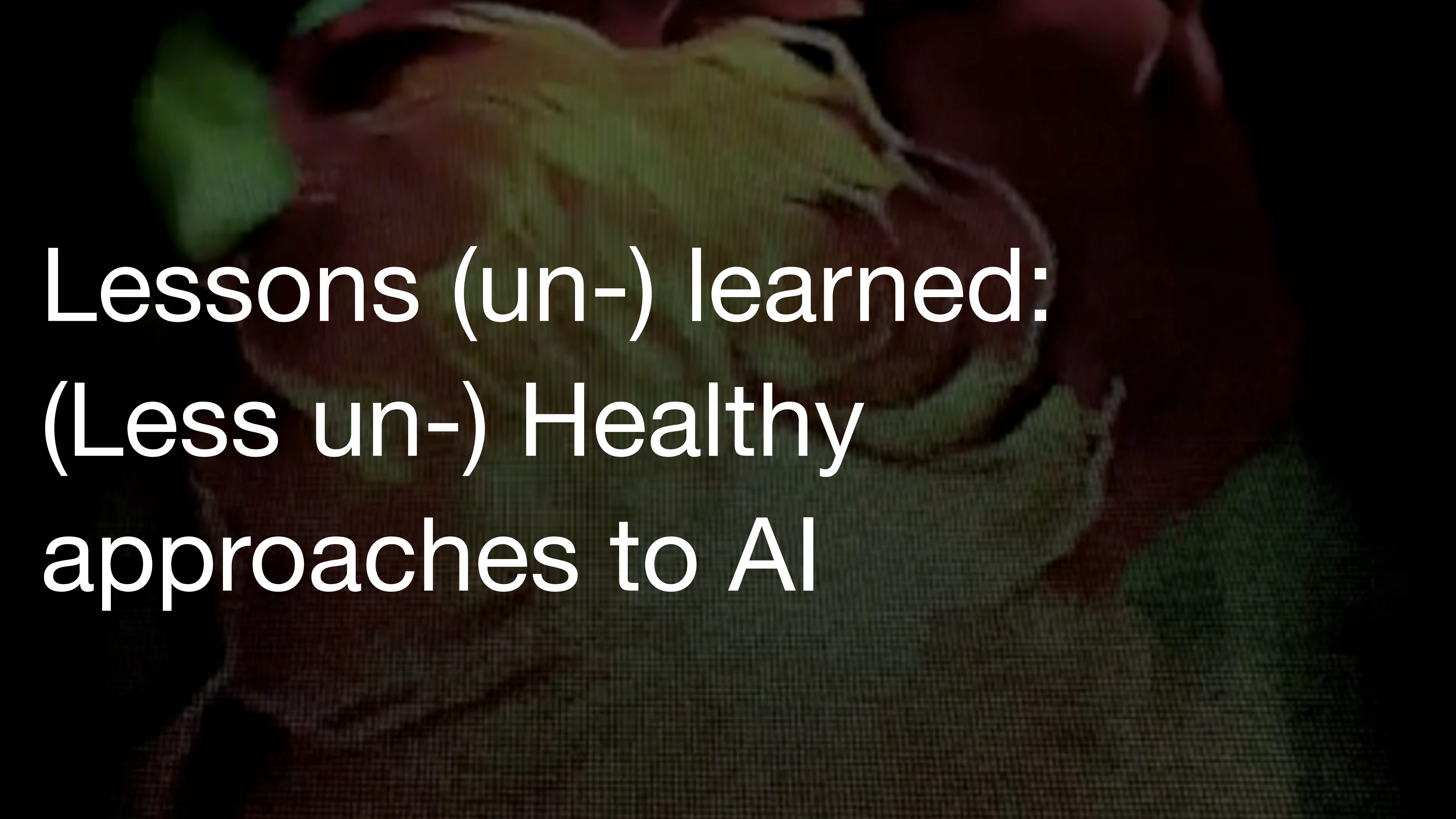
**AI as a curatorial medium for intangible cultural heritage**  
Language, stories, forms of expression

**Way of training AI not as a technical innovation, but as a continuation of cultural practices of transmission and care: 'tagging' and 'vectorisation' together with Elders**



<https://www.indigital.net.au/>





Lessons (un-) learned:  
(Less un-) Healthy  
approaches to AI



Attitude	sees ai as ...	Method	Analysis	
Radical Hope	Utopia	Imaginary Reframing	related to the cultural realities of digitality & ai (but less aware of economic realities)	
Radical Critique	Dystopia	Cognitive Reframing	sees economy as active player, culture as object/victim of extractionalism	
Artistic Autonomy	Means of expression	Artistic Reframing	art (as) following its aesthetic rules (only) generates strength because of its symbolic nature	
Cultural Autonomy	Curatorial Actor, Means of Care & Healing	Cosmologic Reframing	connects culture & economy, but both embedded in indigenous cosmology → deep redefinition & recontextualization of technology	



Attitude	sees ai as ...	Method	Analysis	learnings
Radical Hope	Utopia	Imaginary Reframing	AI & digitality as dialogue partner related to own social & cultural realities (but less aware of economic realities)	important to overcome limitations of established hegemonial viewpoints
Radical Critique	Dystopia	Cognitive Reframing	sees economy as active player, culture as object/victim of extractionalism	important for deep, structural understanding of AI and its contexts
Artistic Autonomy	Means of expression	Artistic Reframing	art (as) following its aesthetic rules (only) generates strength because of its symbolic nature	important for media-aesthetically informed strategies, perceptual politics & practice development
Cultural Autonomy	Curatorial Actor, Means of Care & Healing	Cosmologic Reframing	connects culture & economy, but both embedded in indigenous cosmology → deep redefinition & recontextualization of technology	calls for culturally rooted orientations for technological & political action, introduces (non-western) artistic approaches entangled with care & educational work





# (HOW) CAN WE BUILD A BETTER AI?

Research design: participatory,  
interdisciplinary, cooperative  
bottom-up development



aed kann durch externe  
Lösungen/Handlungsan-  
weisungen ersetzt  
werden

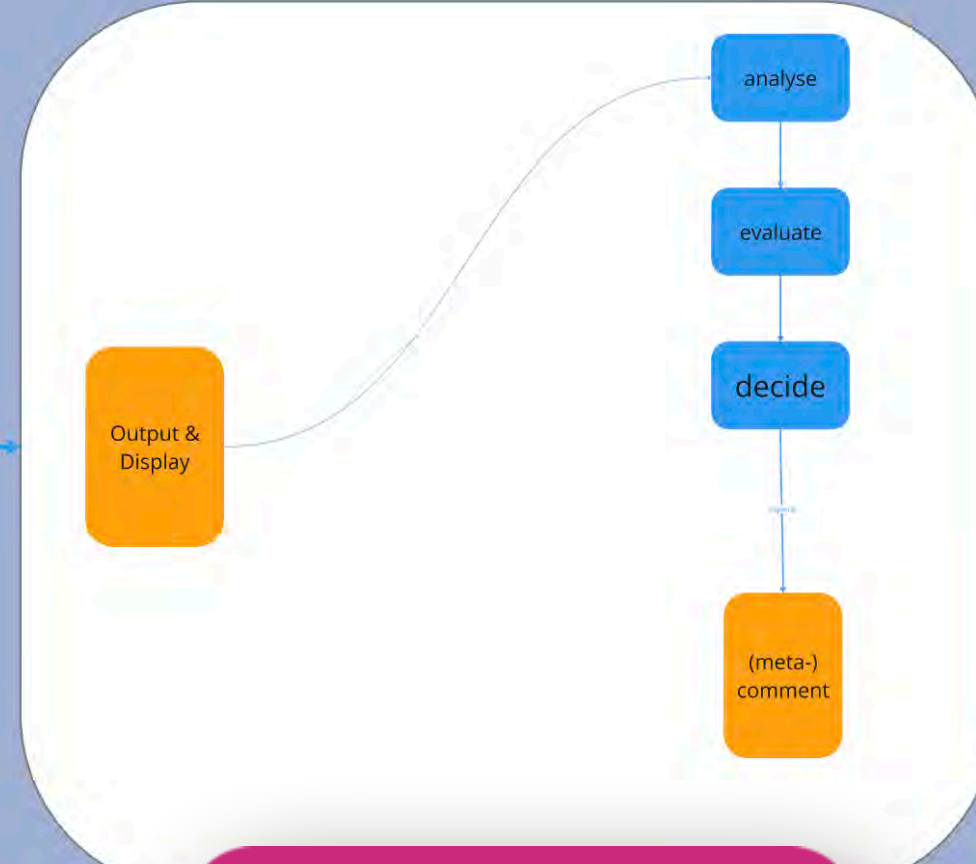
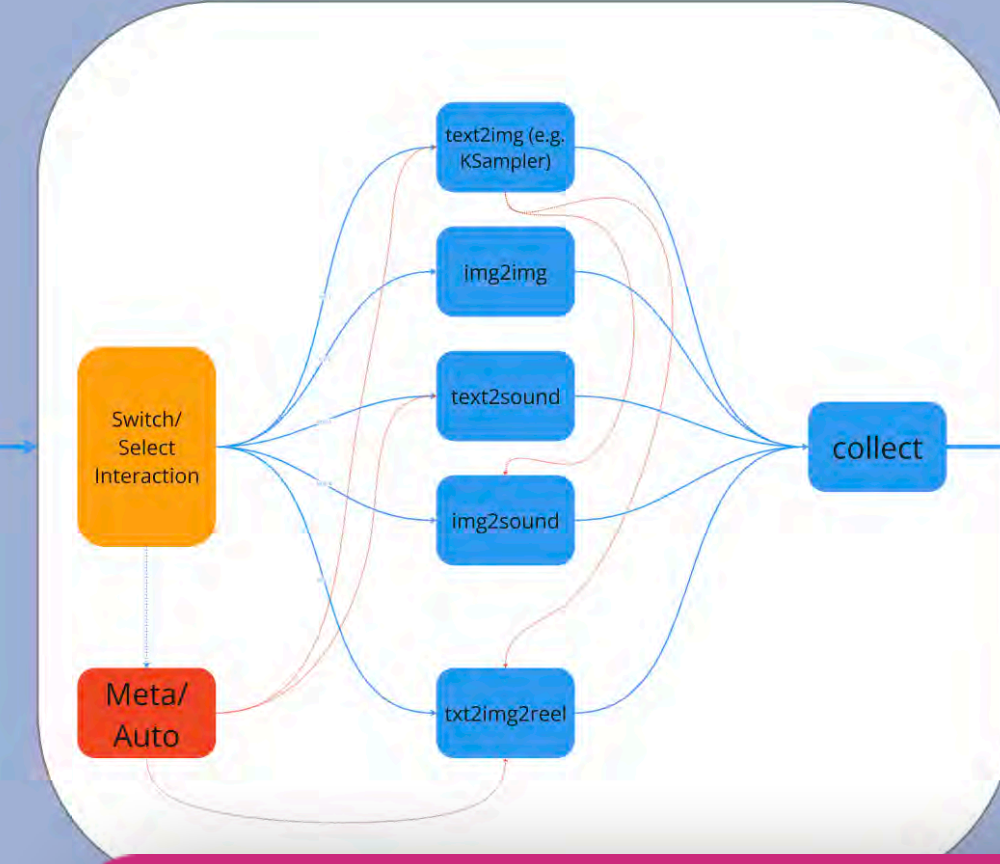
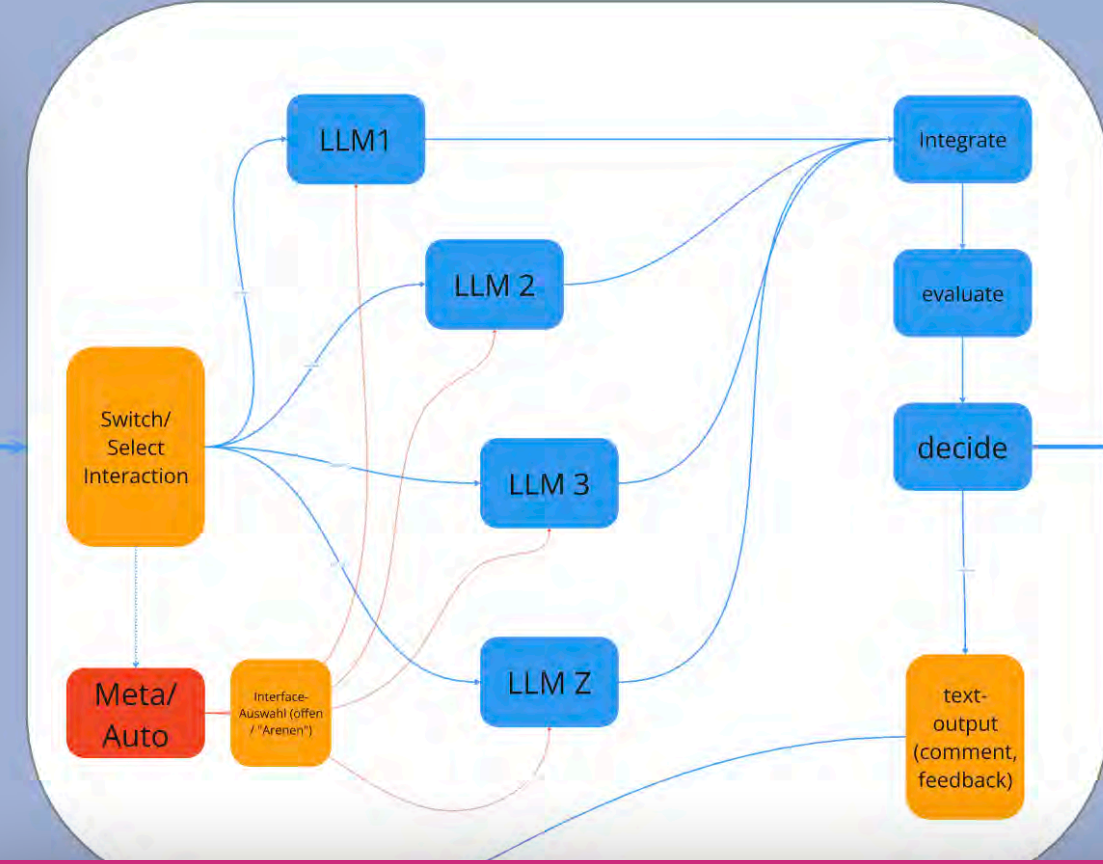
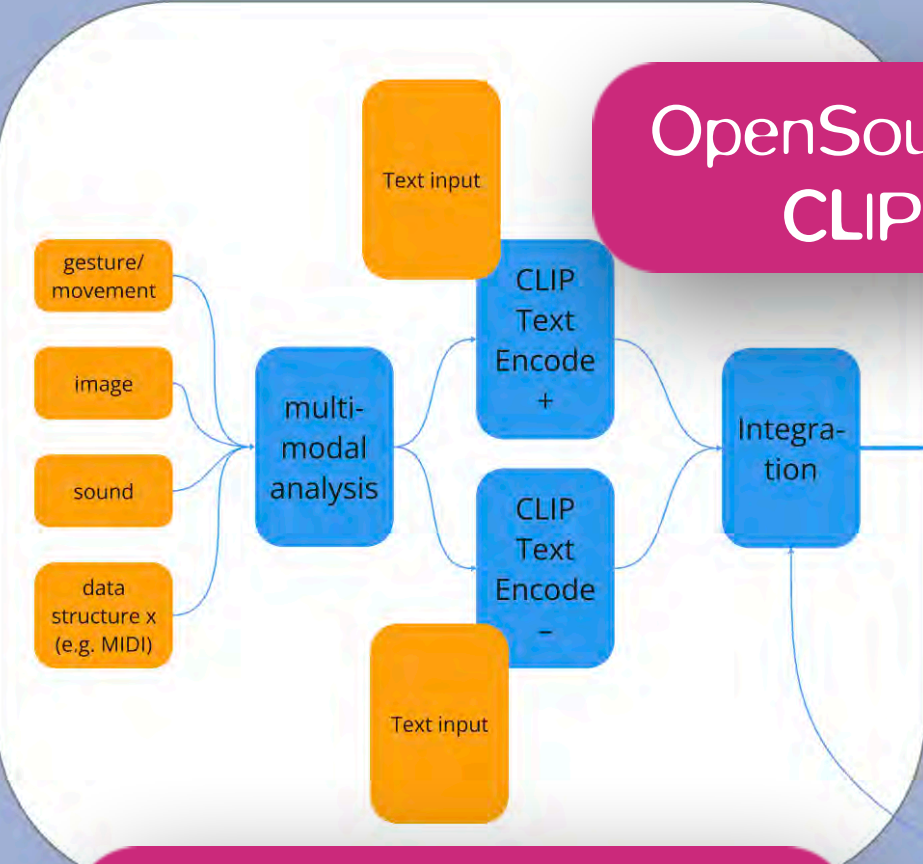
Module "LLM" können durch  
externe Prozess ersetzt werden  
(spezialisierte GPT oder andere  
LLM). Meta/Auto-Modul kann durch  
manuellen Workflow (Anweisungen)  
ersetzt werden.

### prompt conditioning

### prompt interception

### generative action

### output & evaluation



aimed for: multimodal  
inputs, not language-  
centered

Prompt interception: not prompt  
optimization, but prompt decentering and  
artistic prompt deconstruction.

Option to participatively train custom  
models (cultural diversity,  
socio-spatial reference)

Bias-Evaluation of  
the Output +  
Feedback

Interface: Modular approach, self-  
directed use of modules

Aimed for: collaboration with indigenous & decolonial  
initiatives, internal project unlearning, and, if applicable,  
development of models

Aimed for: Open-source outcome,  
operational independent  
from service providers



# Generative Artificial Intelligence and the Politics of Perception: Artistic Practice as Critical Intervention

4th International Technical University of Kenya  
- Exploring Visual Cultures Conference

The Technical University of Kenya/online, 26. November 2024

