Friedrich-Alexander-Universität
Erlangen-Nürnberg

Prof. Dr. Benjamin Jörissen
UNESCO Chair in Arts and Culture in Education
https://ucace.fau.de

Digitalization in Culture & Arts Education:

Chances, Challenges and Opportunities for Action

UNESCO Multistakeholder Dialogue on Culture and Arts Education.
UNESCO Paris, 25./26. May 2023

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Chances, Challenges, and Opportunities

Participatory divide:
who creates and owns
algorithms?

Access: whose
heritage is being curated,
archived,
made accessible?

Challenges

Commodification of
culture & individuality as
data within closed
platform economies

Environmental effects of digital technology
(material – rare earths, toxic waste
& energy/CO2-costs)

Engaging in the arts & aesthetics of algorithmic creation!

Fostering participatory curating and archiving practices!

Opportunities for Action

Fostering diverse, culturally sensible ways of perceiving and sensing!

Teaching participatory design of new ways for sustainable ways of life and use of resources!

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Navigating the Future:
What Does Today's Research Tell Us About
Digitality in Culture & Arts Education?

1. Digitalization is a process of deep cultural transformation:
Digitalization and cultural traditions, perceptions, aesthetics, belief systems and epistemologies are intertwined.
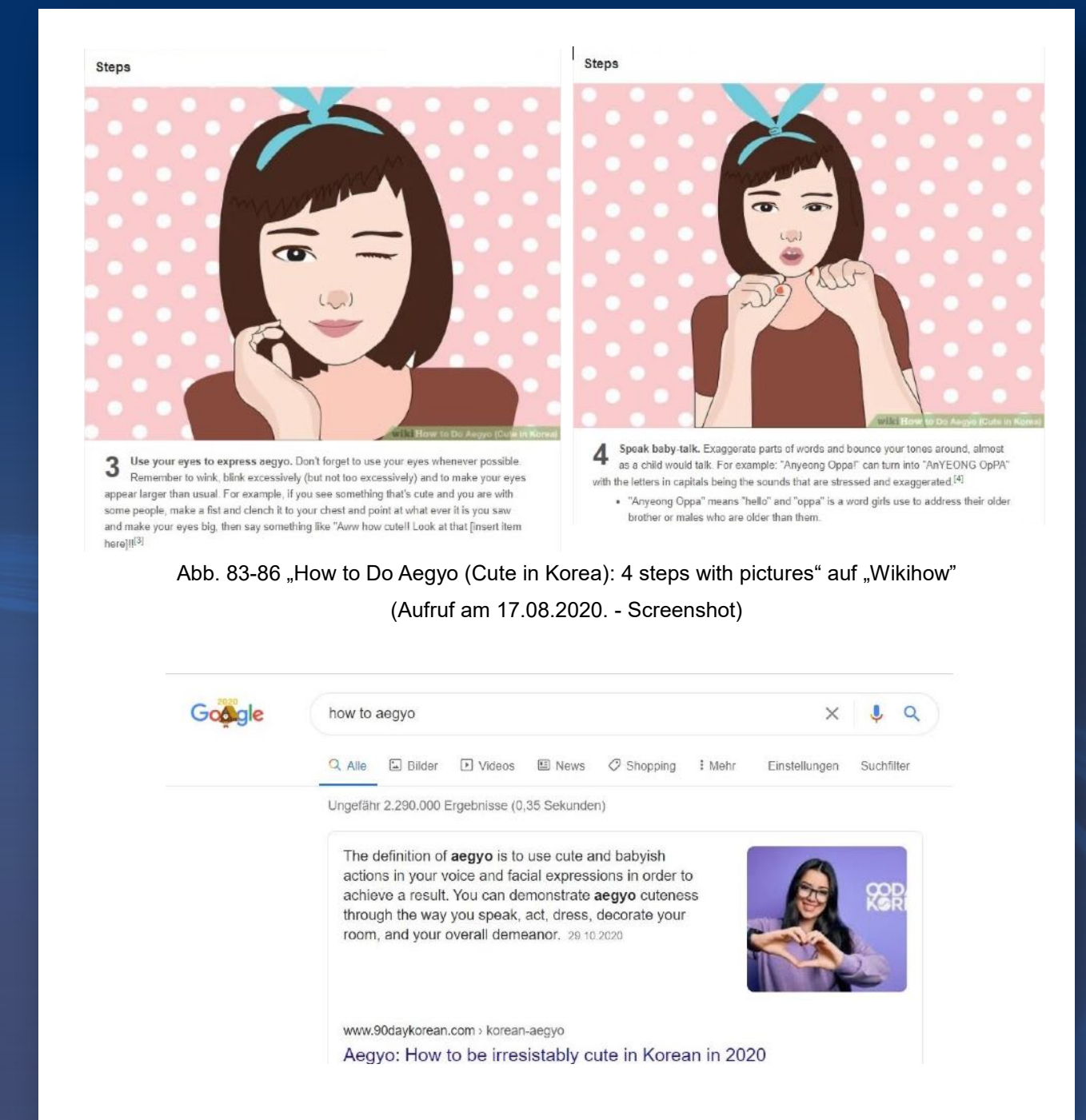

Abb. 83-86 „How to Do Aegyo (Cute in Korea): 4 steps with pictures" auf „Wikihow"
(Aufruf am 17.08.2020. - Screenshot)

Abb. 87 Ergebnis der Google-Suche mit dem Suchbegriff »How to Aegyo«
(Aufruf am 30.12.2020. - Screenshot)

LEE, Juho (2022): Media articulation as a form of neoliberal governmental self-technology: "Aegyo" as a cuteness performance in Facebook profile pictures of South Korean students. Univ.-Diss., FAU Erlangen-Nuremberg

LEE, Juho (2022): Media articulation as a form of neoliberal governmental self-technology: "Aegyo" as a cuteness performance in Facebook profile pictures of South Korean students. PhD-Thesis, FAU Erlangen-Nuremberg

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2. Digitalization leads to (varying) hybrid forms of creativity – with algorithms, softwares, and devices as powerful instances/actors.

Digitally Augmented Aesthetic Decision Making: Casestudy „Lara & Lara"
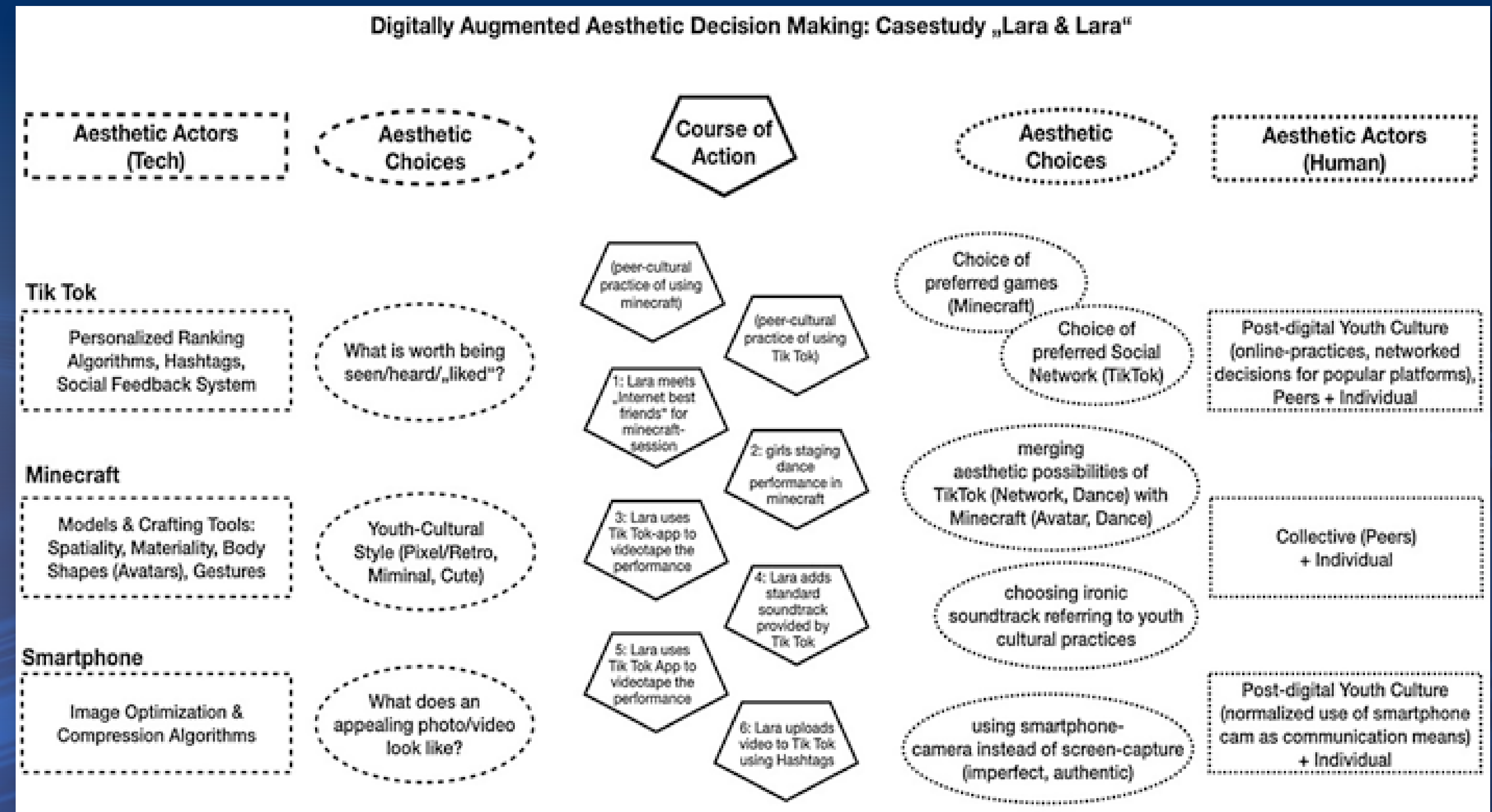
Jörissen, B., Schröder, K., & Carnap, A. (2022). Creative and Artistic Learning in Post-digital Youth Culture: Results of a Qualitative Study on Transformations of Aesthetic Practices. In A. Kraus & C. Wulf (Eds.), The Palgrave Handbook of Embodiment and Learning (pp. 367–382). Palgrave Macmillan. https://doi.org/10.1007/978-3-030-93001-1_23

3. Digitalization opens up new opportunities for inclusion, empowerment and unexpected ways of engaging with arts and aesthetic practices.

Only one of seven types of empirically found creative digital practices are typically addressed by public music schools in germany.
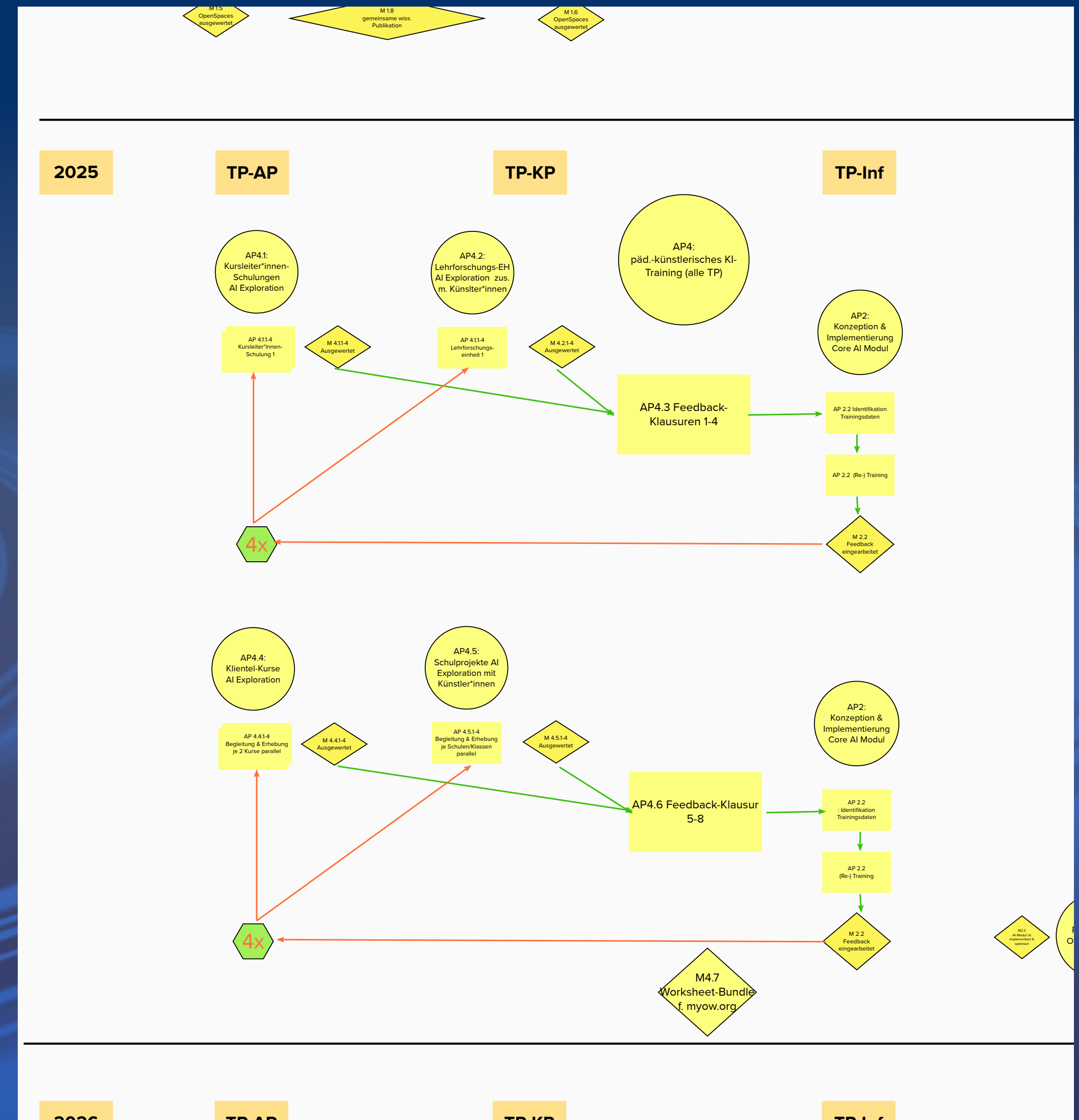
	HALTUNG 1 handwerklich orientiert	HALTUNG 2 emotional-gefühlsorientiert	HALTUNG 3 künstlerisch orientiert	HALTUNG 4 ästhetisch experientiell	HALTUNG 5 technisch experientiell	HALTUNG 6 hybrid produktionsorientiert	HALTUNG 7 elektronisch produktionsorientiert
Referenz Schlagworte	Musikschule	Musik emotional zentraler Bezugspunkt im Leben	Post-digitale Künstlerbohème	Ästhetisch Explorierende	Technologisch Explorierende	Popmusik produzierende Musiker*innen	Clubmusik Produzierende und DJs
Alter	14-23	20-24	22-25 (und >40)	13-22	14-15	17-24	21-23 (und >40)

Donner, M., & Jörissen, B. (2022). Digitale Designs und ästhetische Praxis: Biographische, situative und produktionsorientierte Haltungen junger Menschen im Umgang mit materiell-digitalen MusikmachDingen. In M. Ahlers, B. Jörissen, M. Donner, & C. Wernicke (Eds.), MusikmachDinge im Kontext. Forschungszugänge zur Soziomaterialität von Musiktechnologie (pp. 231–264). Olms.

Donner, M., & Jörissen, B. (2022). Digital designs and aesthetic practice: Young people's biographical, situational and production-oriented attitudes towards material-digital music-making.

4. Artificial Intelligence affects Culture & Arts Education at the *intersection* of AI in Education and AI in Arts and Aesthetics, calling for participatory design-based research on the topic.

„AI4ArtsEd" - including educational researchers, applied informatics, teachers, students, and artists (pending application)

5. Professional and organizational development is beginning, but still a huge challenge with many pitfalls.

Findings e.g.:

Knowledge about digital media & digital youth culture central to success,

„Circle of doom": lack of knowledge → experienced fruitlessness of digital C&A Ed. → digital alienation

Krämer, F., & Jörissen, B. (2023). Digitalisierung in der kulturellen Bildung: Theoretische und qualitativ-empirische Metaperspektiven. In B. Jörissen e.a. (Eds.), Digitalisierung in der Kulturellen Bildung: Erträge gegenwärtiger Forschung (p. im Druck). kopaed.

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Recommendations:
stepping ahead and beyond

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1. Professionalization on (Post-) Digital Culture and Aesthetics throughout the area!

i.e. organizational and professional development enabling change-oriented mindsets based upon knowledge and experience regarding (post-) digital culture, digital tools & possibilities

Practicioneers and Researchers discussing organizational development at the Main Conference of the Association of German Music Schools, 2022

2. New alliances between the arts, education, and technology!

The contemporary arts are our allies. Strengthen the connection to artists and aesthetic innovators from arts in all parts of the world. Discover & develop aesthetics and ethics of digitality and ai, from avoiding social/culural biases to regarding fair culture principles.

Résumé
Music, Media, Arts Education. A Pan-European Exchange of Views on Research, Praxis and Musical Education in the Digital Age
November 17-18, 2020

Stiftung Genshagen

Music, Media, Arts Education
A Pan-European Exchange of Views on Research, Praxis and Musical Education in the Digital Age
Online conference November 17-18 2020 in English via ZOOM

Noise Bodies_MUZEUM SUSCH, Chicks on Speed

MI·MU Gloves - Music Through Movement, Adam Stark

Stiftung Genshagen: Music, Media, Arts Education. A Pan-European Exchange of Views on Research, Praxis and Musical Education in the Digital Age. November 17-18, 2020

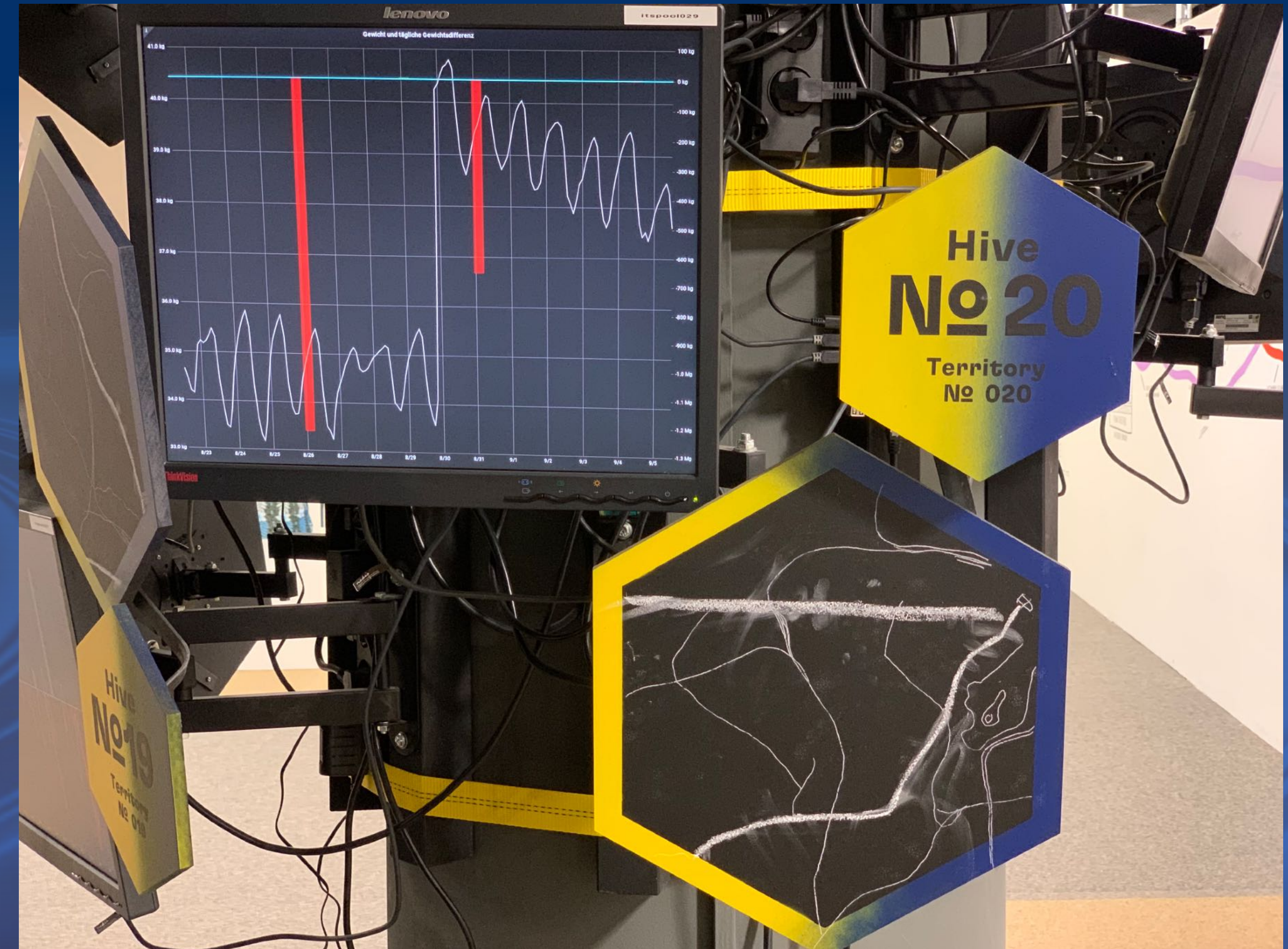# 3. Participatory research designs for faster & more efficient knowledge development and transfer!

… because traditional research designs tend to take up too much time in relation to the speed of digital development and change (which has once again been dramatically accelerated by artificial intelligence).

A Research BarCamp with young people on Creativity and Digitalization in Post-Digital Youth Culture, Academy of Cultural Education Remscheid, 2018

4. (Re-) invent new fields of Culture & Arts Education!

… in order to deepen the connection of Cultural and Arts Education to Cultural Sustainability and Cultural Resilience, new practice areas like Sustainable Making and Designing and Citizen Sensing art projects should be established, developed and maintained, including developing established forms of C&A Education.

„Beedao" – documenta fifteen, Kassel/Germany 2022

https://beedao.zku-berlin.org/

(cf. Gabrys, J. (2019). How to Do Things with Sensors. University of Minnesota Press. https://doi.org/10.5749/9781452964096)

Thank you!

ucace@fau.de

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