

Educational Media Team

Dr. Jeanine Reutemann, Lead LET EduMedia Team, ETH Zurich
01.11.2022

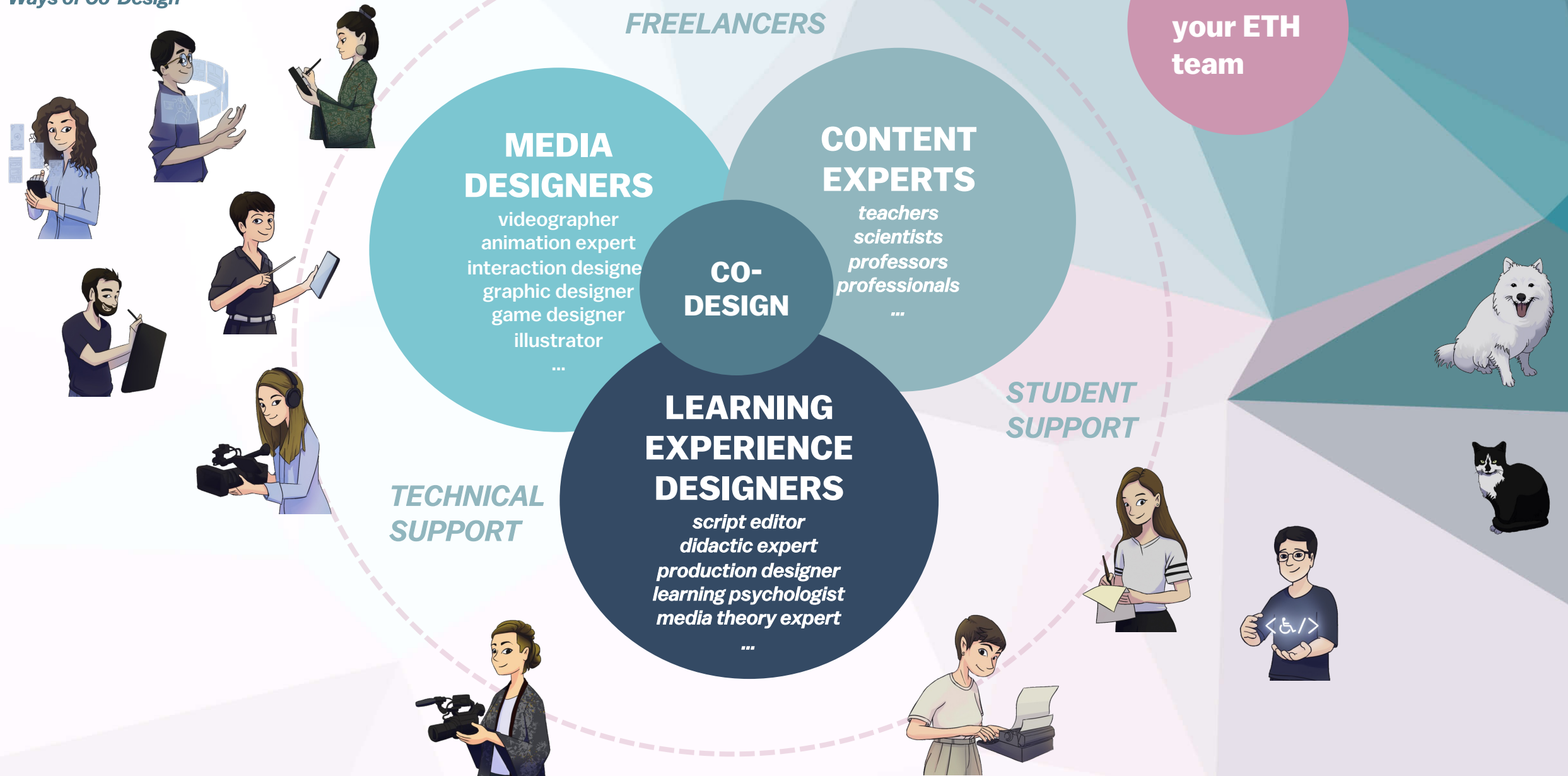
ETH

Eidgenössische Technische Hochschule Zürich
Swiss Federal Institute of Technology Zurich



Educational Media Team

Ways of Co-Design



Media Competencies in a digital age

knowledge, skills, abilities and attitudes

Analytical Competencies	+
Decision-making	+
Media and Digital Technologies	-



Ability to access, evaluate, and use media and digital technology

Knowledge:

- Media and digital technology literacy
- Understanding how media and digital technologies can influence beliefs and behaviours
- Knowledge of ethical and legal aspects surrounding the access and use of media and digital technology

Skills:

- Ability to apply digital technologies to research and work safely and appropriately
- Ability to evaluate risks associated with media and digital technologies

Attitudes:

- Be aware of how media and digital technologies can influence beliefs and behaviours
- Minimise risks associate with the use of media and digital technologies



Educational Media Team

Work Areas

CO-DESIGN

EduMedia Production
Project Cooperations
Critical Media Reflections

MEDIA COMPETENCIES

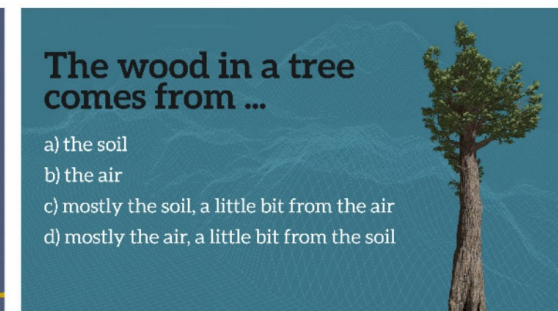
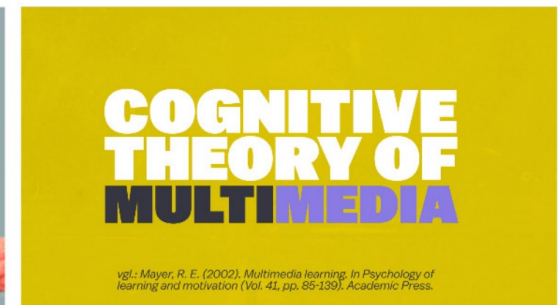
Teaching
Applied Media Projects
Mentoring & Coaching

FLAGSHIP PROJECTS

Applied Media Exploration,
Speculative Design &
Cutting-Edge EduMedia

AUDIOVISUAL MEDIA

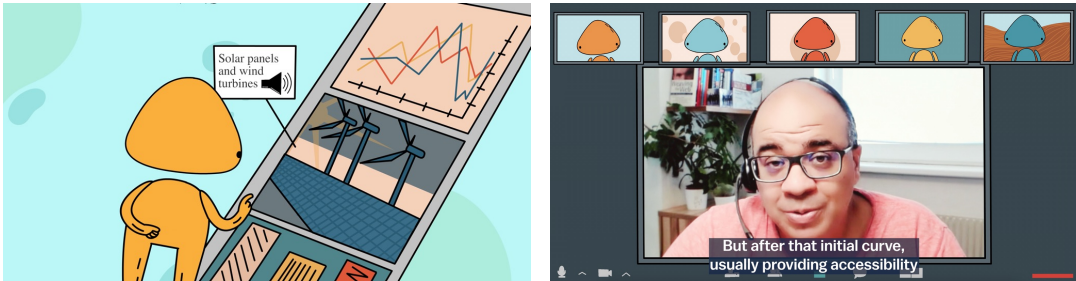
- Videos (Concept Videos, Expert Interviews, Documentary, Observations, Tutorial, Introduction Videos, etc)
- Animations (2D, 3D, Stop-Motion, Pixilation, Animated Documentaries, Character Portraits etc.)
- Illustrations
- Comics, Graphic Novel
- Interactive Poster Design
- Icons, Graphics & Diagrams
- Drawings, Paintings
- Photography Series
- Interactive Media Plattform Formats
- UI/UX Design
- Mixed media (VR, AR, 360-Videos)
- Hybrid Media Formats
- Audio Podcasts
- Soundscapes, Sonifications
- Memes, Gifs, Videoloops ...
- Classical Graphic Design
- ...



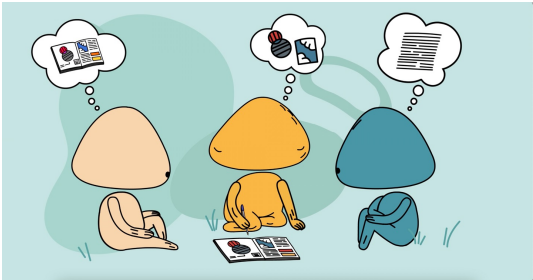
Accessibility

Different audiovisual media material

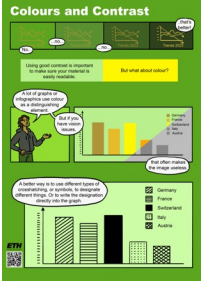
E-accessibility «concept video» series



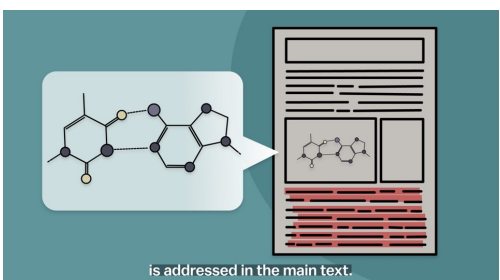
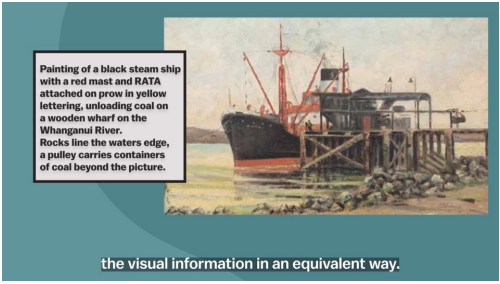
Neurodiversity intro & student-centered «animated shorts»

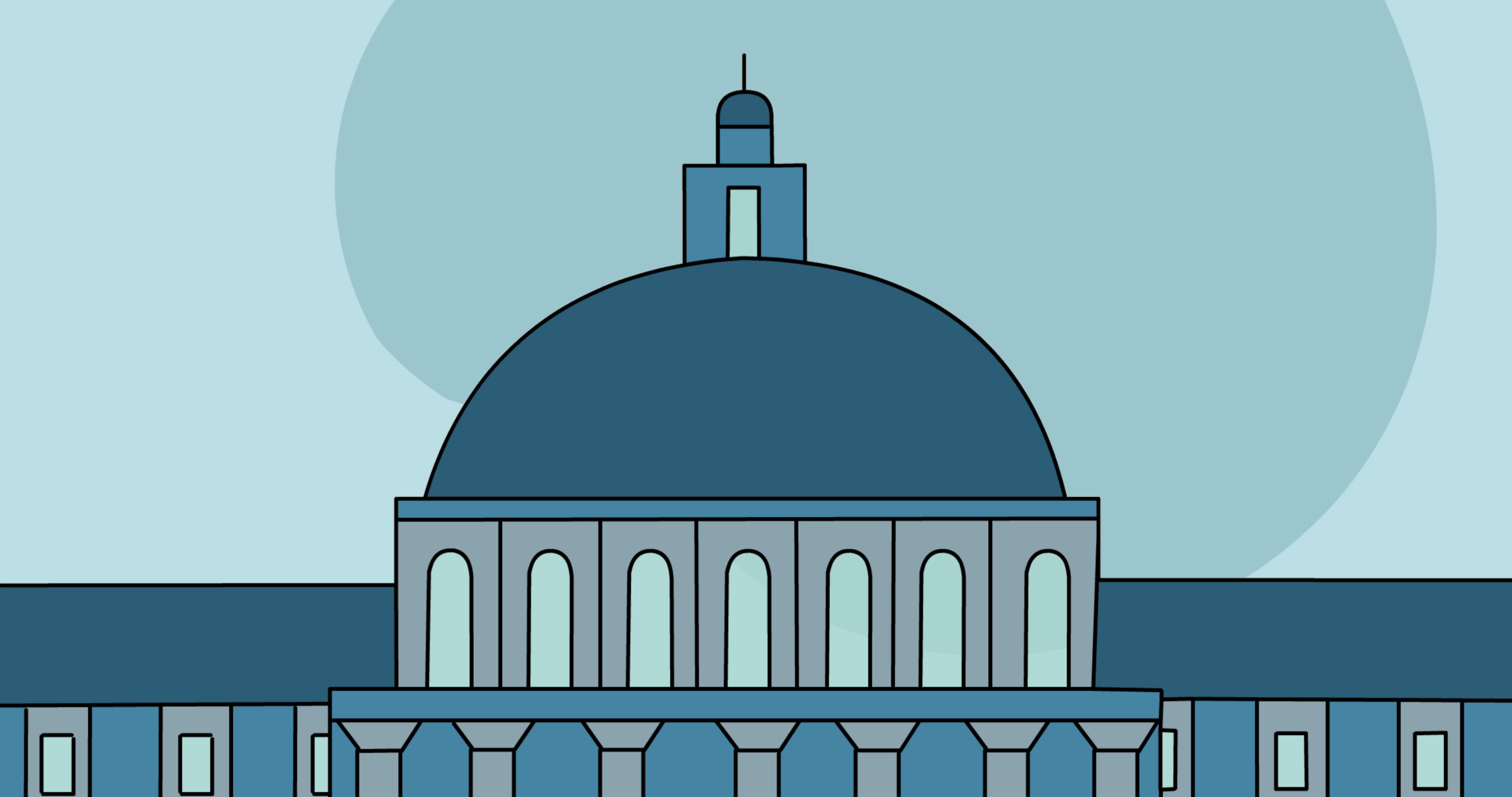


Comics



ETH, UZH & ZHAW series





Ext. temperature: 46°
Int. temperature: 25°
17:30 sunset
6:30 sunrise

ETH today

Everything you always wanted to know about ETH Zürich ("but were afraid to ask")

Monday
24.09.2040
Issue number 143

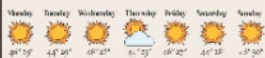
Swarm discussions with Marvin

Our new president will co-lead with our Employees Opinion Aggregator Bot 'Marvin', who draws from our swarm discussion and votes. Page 6

Drosophila arrived

The D-USYS sailboat «Drosophila» safely anchored in the new harbour of Utrecht and will return to Zurich with 25 exchange students soon. Read about their journey of navigating through hurricane "Xenia". Page 8

Weekly weather forecast



ETH goes fossil fuel free



New ETH refinery in Ettenhausen

ETH's refinery in Ettenhausen successfully produced its first bulk load of solvents at reactant level purity from regionally sourced hemp oil. This completes the final step of ETHs "Zero Fossil Strategy" by removing the last fossil carbon from our supply chain. Page 3

New media

Interview with Farah Shariq: The olfactory printer might hold the key



The ETH startup OSMOsensorium recently published the world's first olfactory printer OP.1 and ever since, there have been heated debates about their invention's potential for medical research. Despite unanswered questions, the Institute for Medical Research has expressed interest in buying the production rights for the printer – and CEO Farah Shariq explains why. Page 7

Events



Polyball 2040

For its 160th edition, Polyball, invites you to relive the mysterious yet exciting year of 2020. Go back to the beginning of the pandemic decades with your best rolled-up jeans, white sneakers, and surgical masks. The guests can expect old school smartphones available at the entrance, vintage VR glasses and everything from sea shanty singing to sit-ins with climate protest signs. November 9. Page 13

Technology

One-millionth Verifiable Credential



ETH issued its one-millionth Verifiable Credential to a learner who had successfully completed a course on Regenerative Building Materials. "We would love to shake hands with the learner", says Dr. Petra Widmer, "but of course we don't know who they is". The landscape of administrative computing certainly changed when ETH introduced credentialing based on self-sovereign identities; "I remember the day when our central database was held ransom and we just told them to get lost," reminisces Dr. Widmer, "we swiped the disks, replicated the public ledger, and went to lunch." Page 6

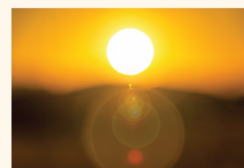
Breakthrough by student-led team



During the interdisciplinary course "Creative problem-solving" (part of the research-based learning track introduced after the Bologna 2.0 reform), students from

seven programmes coded a model predicting the heat- and UV-resistance of the new SARS-CoV4 virus. Dr. Sara Ny: "Using the virtual ETH EduVerse, 500+ students worked together with researchers at ETH to build this model. It already resulted in 5 bot-reviewed publications." ■

Circadian rhythm to be on summer mode for 7 more days



the chances of heat domes in winter season are rising. ■

Are you experiencing circadian-depression? You are not alone. Connect with HEST Stay-Safe therapy-AIs!

Contrary to previous forecasts, the heat dome over Europe will stay parked for at least seven more days. ETH will thus postpone the biannual adjustment of the circadian rhythm from night lectures back to day lectures by seven days. As the high pressure area persists longer every year,

First 10-year assessment of SEFG



At the annual meeting of the Council for Sustainable Presents and Futures (CSPF), formerly known as the UN General Assembly, the Intergenerational Referee Group (IGRG) presented its first 10-year assessment of the Social and Environmental Fairness

Goals (SEFG) – the successor framework of the already ambitious SDGs of the 2030 Agenda. ETH Zurich representative Sasha Galiere reports of a new era of understanding and describes the vibes and (e)motions of high-level policy making. ■

D-ARCH, D-BIOL and D-MEDIA tropical garden extension



The foliage cover provided by tropical flora on all ETH buildings will be increased by another 20%, and is predicted to lead to further reduction of inside temperature

by 0.5 °C. See the 3-D model of the cooperation project between D-ARCH, D-BIOL and D-MEDIA. ■

Short updates

1/ Beyond accessibility: Retinal implants back with an update, including controversial immersive features, rendering AR and VR lenses obsolete.

2/ Switzerland – Norway CO2 pipeline operational again: „It was the most demanding detective engineering projects I was ever entrusted with“, says Dr. MEng. Andrea Ozone from D-BAUG.

3/ Updates: Please update your library crawler before the end of this month. This is a major update including 7.35 Mio. falsified papers marked as such. You may no longer cite their results as evidence going forward.

4/ Siesta-Capsule: ETH increased the number of airconditioned sleep capsules to a total of 5'000. Please use one of the XR blackboards to reserve your spot (no remote reservations).

5/ Kind reminder: from next semester onwards, all pre-2030 legacy software, including the 3d-virtualized Power Point (!) won't be supported on the ETH main network anymore.

6/ Announcement: New sponsored D-INFK bachelor's degree in quantum cryptography in collaboration with Aperture Science Inc. starts in SS41. Applications now open.

Mensa: Menu of the week

	1	2
Monday	Cricket-flour burger, zürich sweet potatoes, hydroponics salad	Couscous & vacuum-packed cold-cooked aubergines
Tuesday	Seaweed rösti with its thousand swiss spices, butter rabbit	Pumpkin soup powder, black bread capsules
Wednesday	Encapsulated zürich lamb, spinach, lentils	Green peas capsules and seaweed croquettes
Thursday	Mealworms, golden rice, buttered carrots	Rose pudding, parsnip flavour powder
Friday	Green grass and wheat ratatouille, in-vitro beef	Green grass and wheat ratatouille, lentil burger

Editorial board

Editors: LET media team (Jeanine Reutemann, Judith Rehmann, Estelle Gattlen, Carlo Picaso)
Guest Editors: Gerd Kortemeyer, Philip Barth, Claudia Zingerli, Karin Brown

Internal communication

■ «We talked for two hours after the Quantum Field Theory Seminar by Prof. Suleiney last Tuesday. You were a bunny avatar. I was a badger. Were we flirting? Please contact me via QR-code.»

■ «Lost in translation: live-translation lenses, somewhere in the Mensa. Contact @Schroedingercat1789 if found please.»

Picture of the week



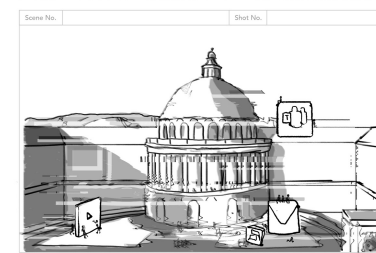
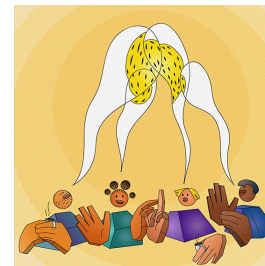
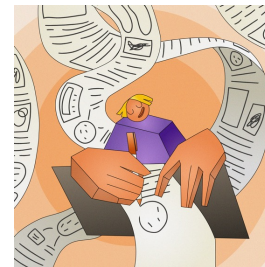
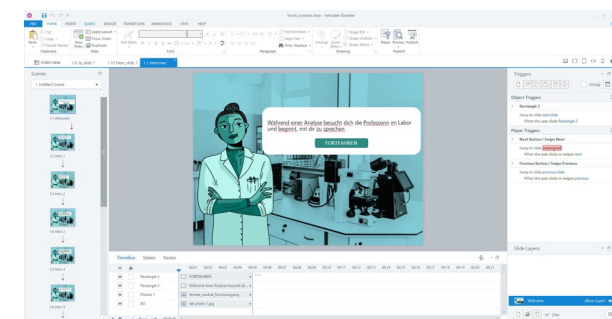
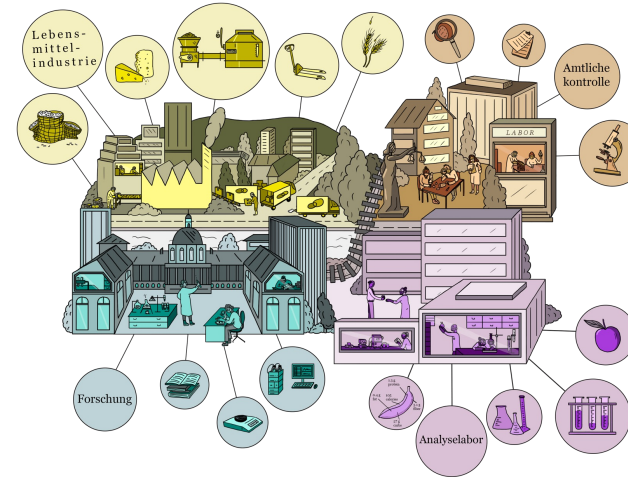
Flooded church in Getmana, Romania, picture by Carline Rehlen, D-MAVT student

ETH Essay Contest 2040

Winner Public Prize

WHAT ARE WE CURRENTLY WORKING ON?

- e-Accessibility series > Fully animated videos, comics
- Accessibility series (ETH, UZH & ZHAW) > documentary-based
- Open Educational Resources series
- Self-Sovereign Identity (SSI) trailer
- Teaching Labs:
 - (1) Audiovisual media
 - (2) Smartphone videography
 - (3) Hands-on animations
- FoodChem project (D-HEST)
- Radionucleids project (D-PHY, D-USYS, D-ERDW)
- LET media campaign and webpage visual concept
- “Diversity of Teaching” documentary of teaching methods at different ETH departments
- Publications on “Humor in Science Edu Films” & “Sustainability of Educational Videos”
- ... maybe a media project with you?



Thanks for your attention!

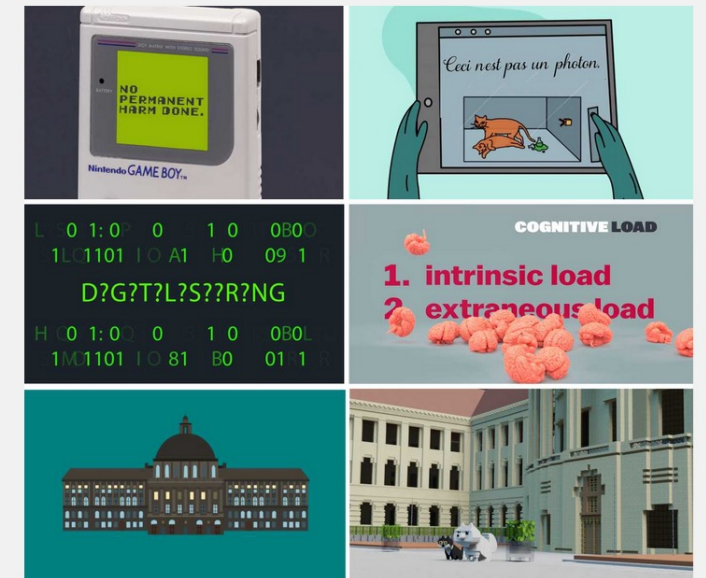
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Educational Media

Accessibility Audiovisual Media	>	An animated series on Open Educational Resources	>
D-HEST FoodChem Media	>	D-PHYS D-USYS D-ERDW Radionuclides	>
Digital Skills Series	>	Critical Concepts for Teachers Series	>
ETH today 2040	>	Ways of Working	>
Team	>		



Film stills from previous audiovisual productions.