

# A/V Angel Self-Training: Video Mixer

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August 15, 2025

C3VOC



<https://github.com/voc/engelschulung>

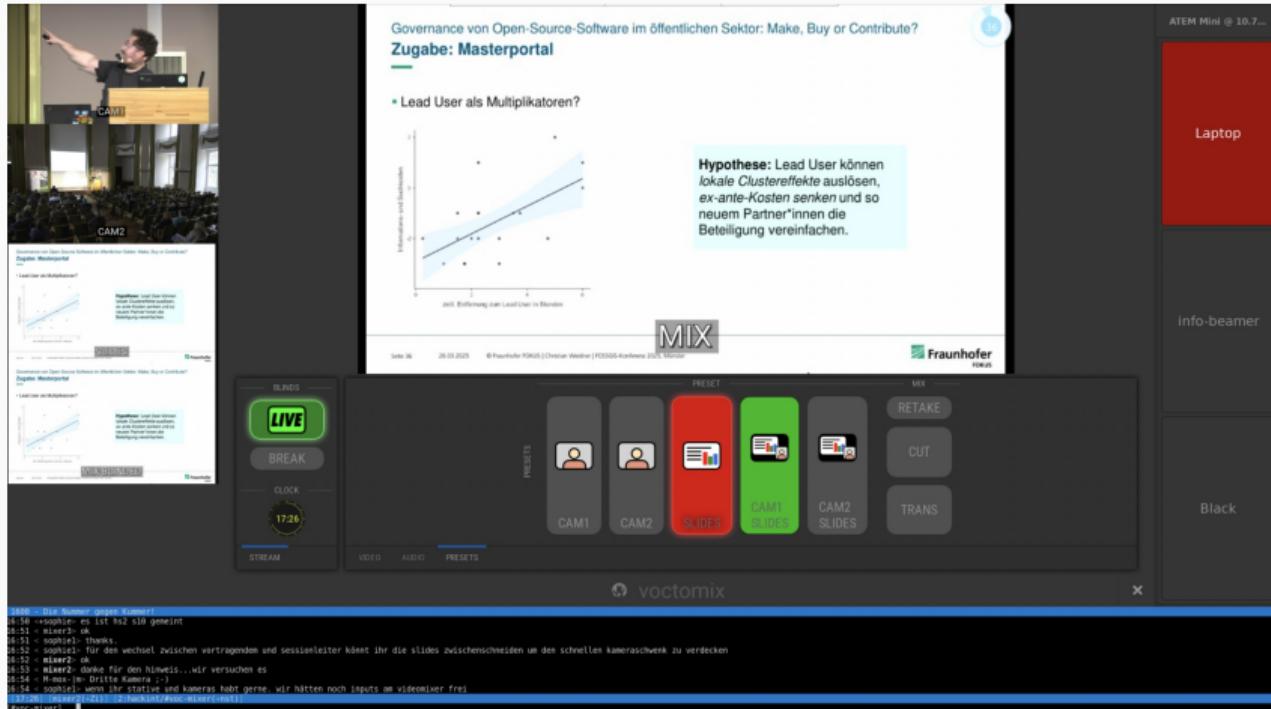
## General

- We will stream, record and publish nearly all talks with your help
- You can operate the cameras and video mixer
- At do-not-record talks we also need angels
- We (people from c3voc) will be there to help
- The live stream video signal will also be the final recording
- We aim for consistent quality, but everybody make mistakes – don't blame yourself!

## Video Mixer Tools

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# Voctomix2 - Overview



**Figure 1:** Voctomix2 - Overview (presets)

## Mixing with Presets

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# Voctomix2 - Presets

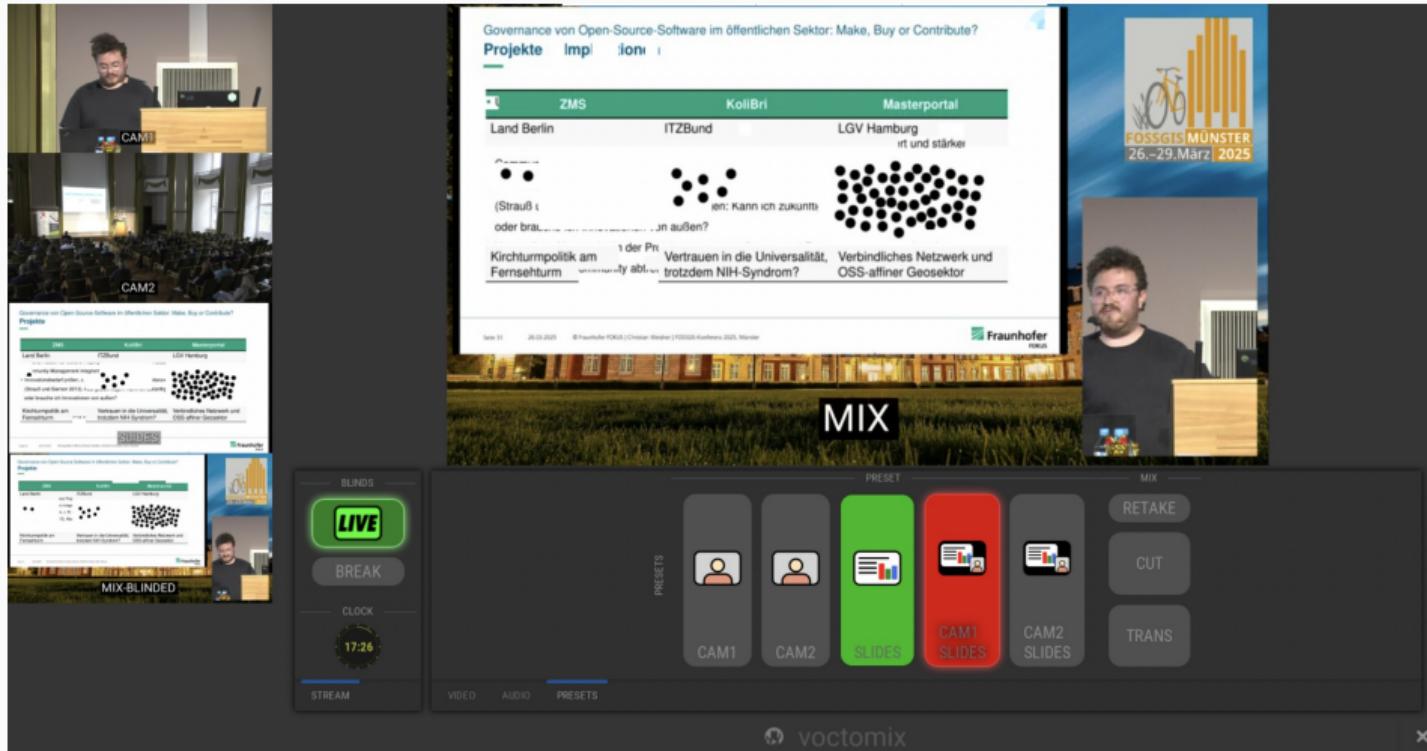


Figure 2: Voctomix2 Presets: Lecture Mode

# Voctomix2 - Presets

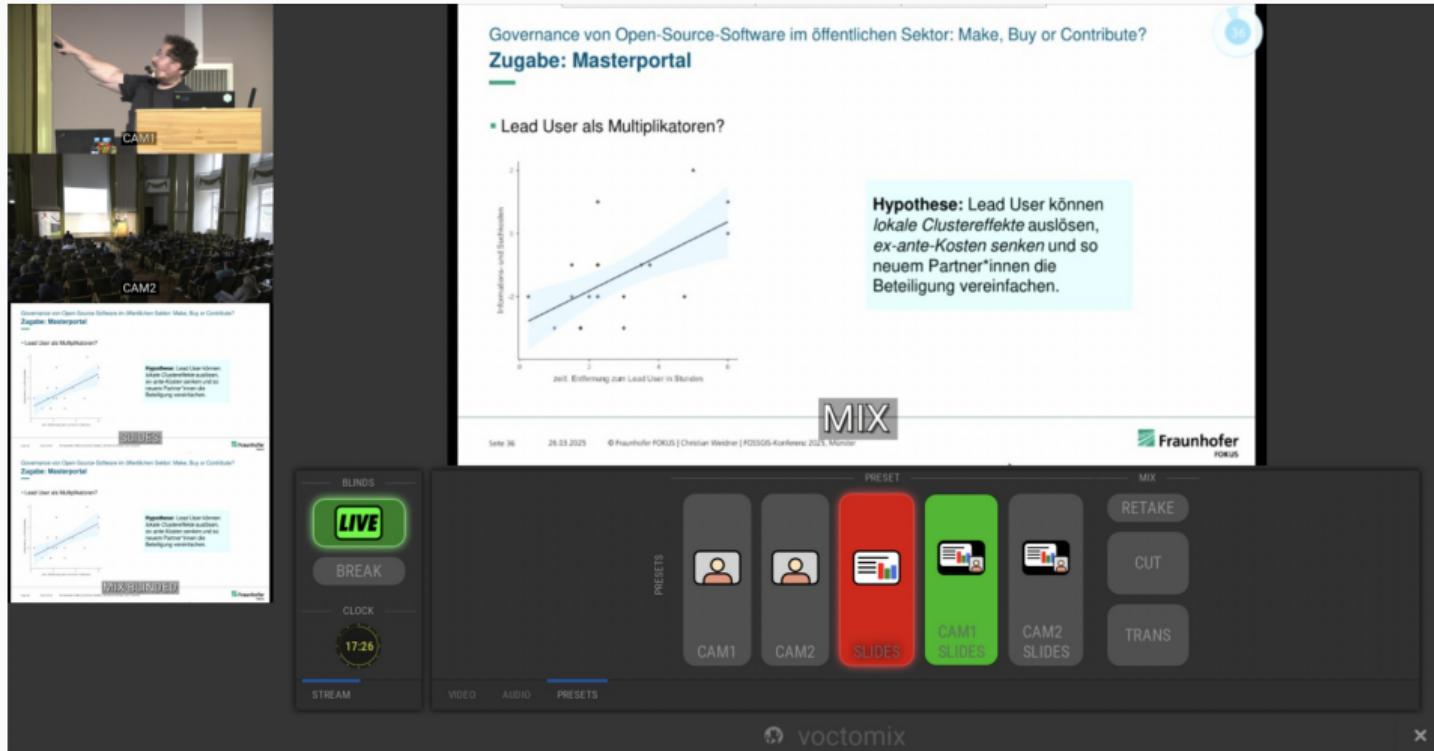
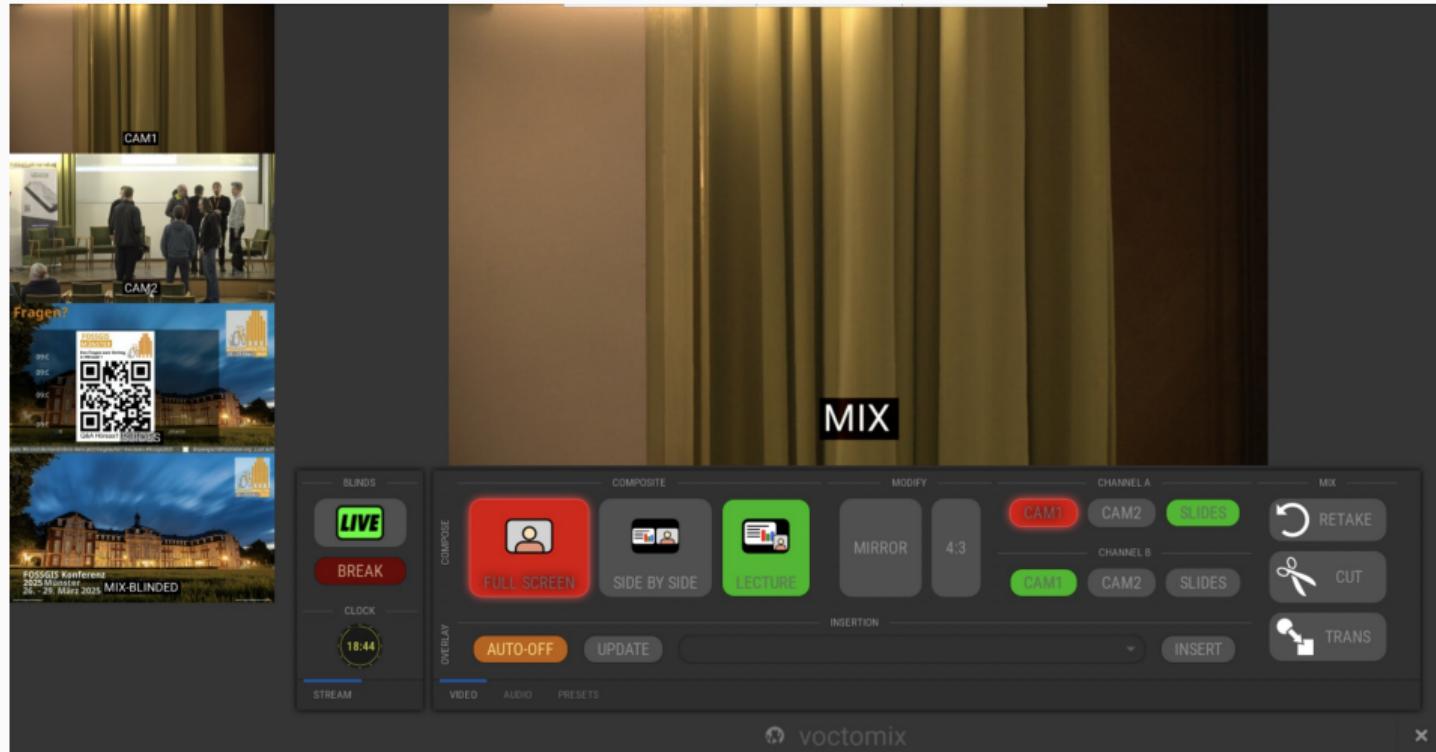


Figure 3: Voctomix2 Presets: Slides Fullscreen

## Classical Mode

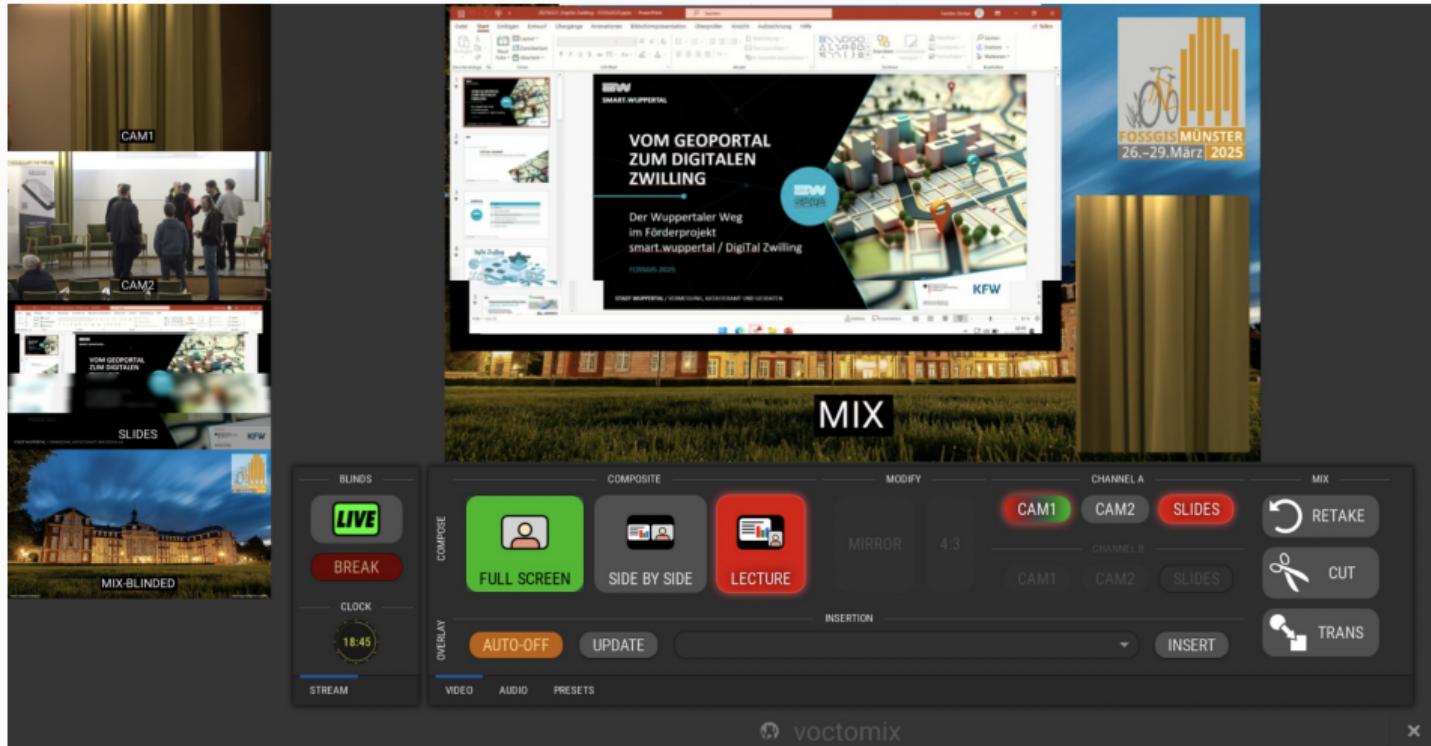
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# Voctomix2 - Pre-Select



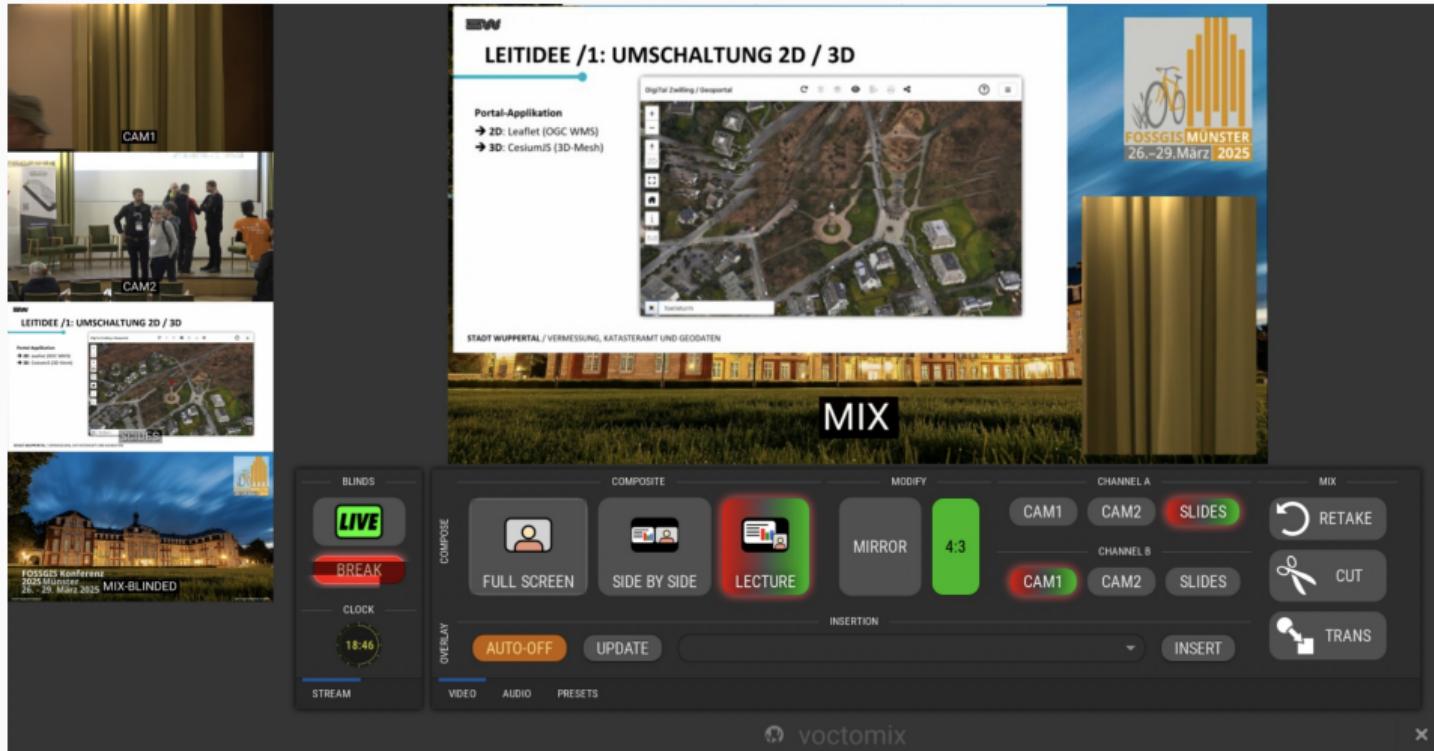
**Figure 4:** Voctomix2 - Lecture Mode - Pre-Selected

# Voctomix2 - Lecture Mode



**Figure 5:** Voctomix2 - Lecture Mode - Live

# Vocomix2 - Lecture Mode 4:3



**Figure 6:** Vocomix2 - Lecture Mode 4:3 - Pre-Selected

# Voctomix2 - Lecture Mode 4:3

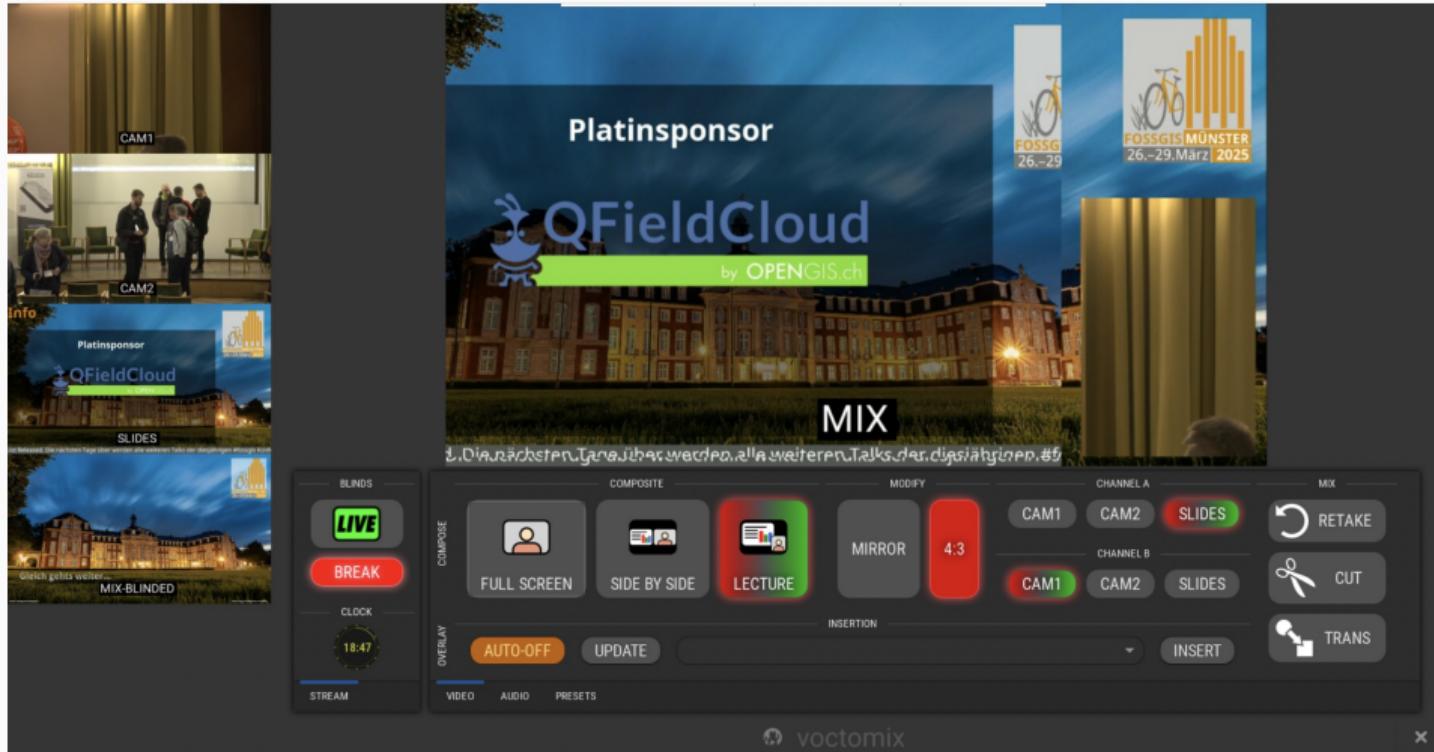


Figure 7: Voctomix2 - Lecture Mode 4:3 - Live

## Video Mixing Guidelines

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## Mixing Guidelines - Hard Rules

- All you are doing is **recorded** and will be published.
- The Audience is **not to be filmed**. Cut away if faces of people not on the stage appear.
- **Slides are important**
- Slides stay on till the text has been read **twice**.
- Show new slides **immediately**.

## Mixing Guidelines - Softer Hints

- Start early – opening announcements of the Herald are a good start. Their introduction has to be in the recording and on stream.
- Open wide – Structure the beginning of a talk with shots that set the stage
- The slides in fullscreen – you're dealing with a very small screen. Text has to be readable
- Show gestures – medium-close-up that follows the speakers eye-line
- Don't be too cutty – Pace your videos temperately. Do not cut too often.
- Don't end too early – All questions and answers have to be recorded. The herald ends the talk, not the mixer angel.

### Hints

Leave lots of room at the start and end of a talk. Cut away from the infobeamer before the Herald starts with announcements. Cut to the infobeamer only after the last applause has finished.

## Audio Hardware

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# Audio Mixer Controls: Levels



Figure 8: Touchmix Main Controls

- Mute unused microphones (bottom row)
- Adjust hall loudness with rightmost fader
- Adjust individual microphone level with fader or reduce "trim" knob when it's clipping
- Please keep microphones un-muted during applause

# Audio Mixer Controls: Second Page



- If mute buttons are yellow, go back to "Main Mix" page
- If anything else is shown, just press "Home" button

Figure 9: Touchmix Second Page

# Audio Mixer Controls: Headphones



Figure 10: Touchmix Headphones

- Press "Phones" to adjust headphone loudness
- "Cue" on Camera/ Recoding mix must be selected
- Rotary knob can be used to adjust selected parameter (headphone level, channel level, etc.)

# Audio Mixer Controls: Layers



Figure 11: Allen & Heath CQ18T Layers

- Please make sure, to always work on "Custom Workbench D"
- If anything else is shown, contact VOC or A/V-Technician before the talk

# Audio Mixer Controls: Levels



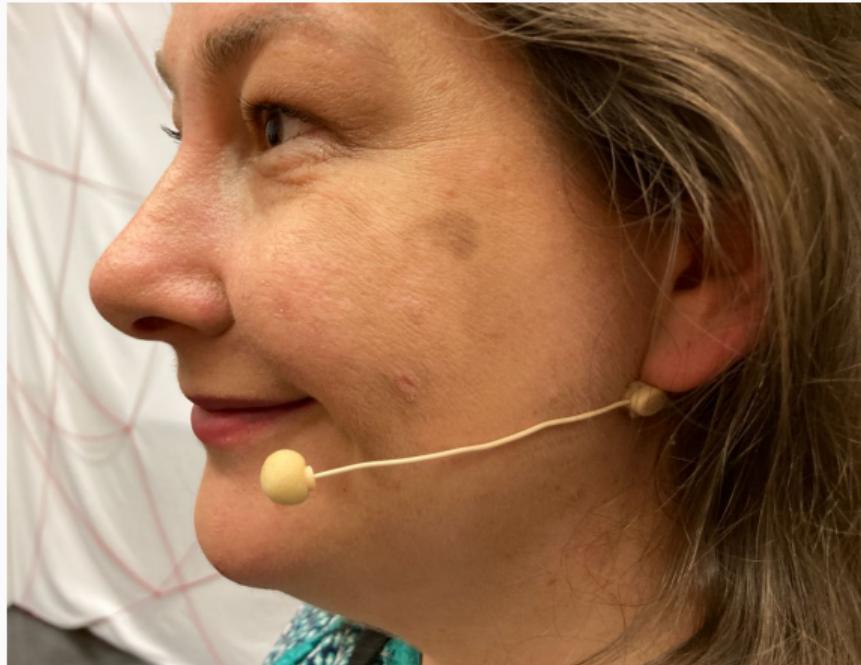
Figure 12: Allen & Heath CQ18T Main Controls

- Mute unused microphones (bottom row)
- Adjust hall loudness with fader labeled "PA"
- Do not use the fader labeled "NEIN"
- Please keep microphones un-muted during applause

# Microphones

- We prefer headset microphones over handheld for speakers
- Distance to mouth will be constant -> more consistent audio level
- Handheld microphones for heralds and Q&A
- Our transmitters also have a mute button (yellow light = muted)
- Please check battery level from time to time

## Headset Placement



- Microphone shall be at the corner of the mouth
- Boom can slide back and forth
- If too far in front, there will be too much wind noise
- Distance to face: About 2 cm
- Bend boom carefully

**Figure 13:** Good headset microphone placement

## Next Steps

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## Hands-On Training

- Please do hands-on training!
  - You have to try out voctomix to know its quirks
  - Feel free to try things in a break between talks
- VOC A/V-Techs are there to help you