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The digital stage for performing artists,
music and theatre ensembles

digital-stage.org/



EUvsVirus Hackathon

April 27, 2020 / 0 Kommentare / in New

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720pHD



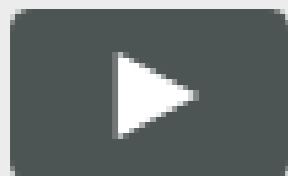
Digital Stage

from Fachwerk



Digital Stage

[HTTP://vimeo.com/412158765](http://vimeo.com/412158765)



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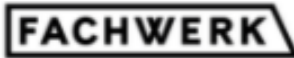
















vimeo

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• Collaborating Institutions:

 Institut für künstlerische Forschung IKF Berlin	 INTERNATIONALES THEATERINSTITUT Internationales Theaterinstitut	 AKADEMIE FÜR THEATER UND DIGITALITÄT Theater Dortmund	 Technology Arts Sciences TH Köln TH Köln	 SWR SWR Experimentalstudio	 HfMT HAMBURG Hochschule für Musik und Theater Hamburg
 FACHWERK Fachwerk	 Landesverband Freier Theater in Niedersachsen e.V. Landesverband Freier Theater in Niedersachsen	 z hdk Zürcher Hochschule der Künste Zürich University of the Arts Zürcher Hochschule der Künste	 Intendant*innengruppe im Deutschen Bühnenverein Intendant*innengruppe im Deutschen Bühnenverein	 Akademie für Darstellende Baden Kunst Württemberg Akademie für Darstellende Kunst Baden-Württemberg	 Bundesakademie für Kulturelle Bildung • Wolfenbüttel Bundesakademie für Kulturelle Bildung
 HOCHSCHULE FÜR MUSIK HANNS EISLER BERLIN Hochschule für Musik Hanns Eisler Berlin	 NTNU NTNU Trondheim (Norwegen)	 Swiss ITI Swiss International Theatre Institute	 THE CITY THEATRE OF THE FUTURE NTGent NT Ghent	 UiO : Universitetet i Oslo Oslo University	 Berufsfachschule für Musik Oberfranken Berufsfachschule für Musik Oberfranken
 TU berlin TU Berlin	 5Minds 5 Minds	 ECA EUROPEAN CHORAL ASSOCIATION			

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- **the Problem:**

people would like to rehearse and perform live online

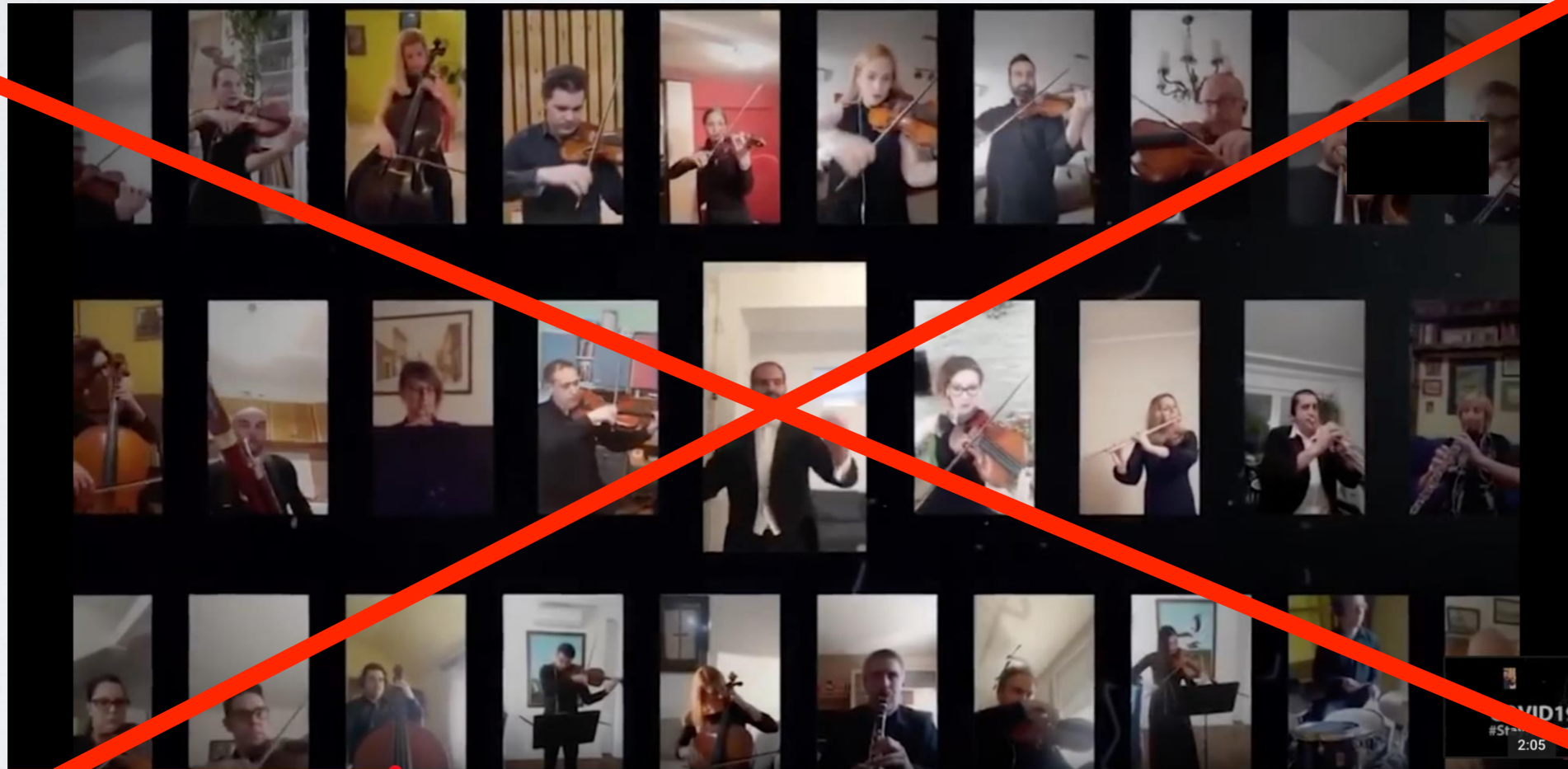


Serbian National Orchestra performing Bella Ciao at youtube

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... which is not really possible with most of the video conference tools at hand



Serbian National Orchestra performing Bella Ciao at youtube

(this „performance“ was mounted in post-production)

- **Our Solution:**

- Audio-Video-Conference Service especially designed for Music, Dance, Theatre and Visual Arts
- 3 Versions with different complexity, costs, but rising AV-quality and sinking latency
- (1) browser-based: Desktop (Linux, Windows, OSX), Smartphone (Android, iOS)
- (2) Downloadable & installable local application with USB soundcard (Currently testing SoundJack as application, also Jamulus)
- (3) Standalone-Hardware with USB soundcard and direct LAN connection

- **Our Solution:**

- expected latencies(single-trip end-to-end: microphone to remote speaker) in the region of (in average) (1) 500ms (2) 50ms (3) 30ms minimal latency in ideal situations (internet connection etc.) to be expected much lower
- Other issues addressed: Auto-compression, level balance, echo cancellation, optimizing for music rather than speech
- Web-based version (1) and app-based version (2) free to use for freelanced artists & institutions / organisations and their members, hardware (3) has to be bought and is delivered with the software installed (plug & play)

- **Future Steps:**

- find startup funding
- once we have funding on we will be able to go online with a first version within ca. 2 weeks, testing is already happening
- integrate features like virtual imagining (greenscreen), 3D Audio, Virtual Reality
- offer a sustainable service through a permanent financing system, but remaining free-to-use for artists, institutions, organisations
- collaborate with similar international initiatives and universities

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