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Camera Self-Surveillance

2024 | 8-channel Algorithmic Composition for IP Cameras
Materials: Surveillance Cameras, CRT-TVs, RaspberryPis
Exhibited at WORM, Rotterdam

There are thousands of surveillance-cameras in the Netherlands, all collecting what can be described as "behavioural surplus data". Strangely, the cameras themselves are almost never represented in public datasets. *CSS* is an experiment to fill that dark-spot by creating an object-recognition algorithm that recognises surveillance cameras and uses them to observe one another.
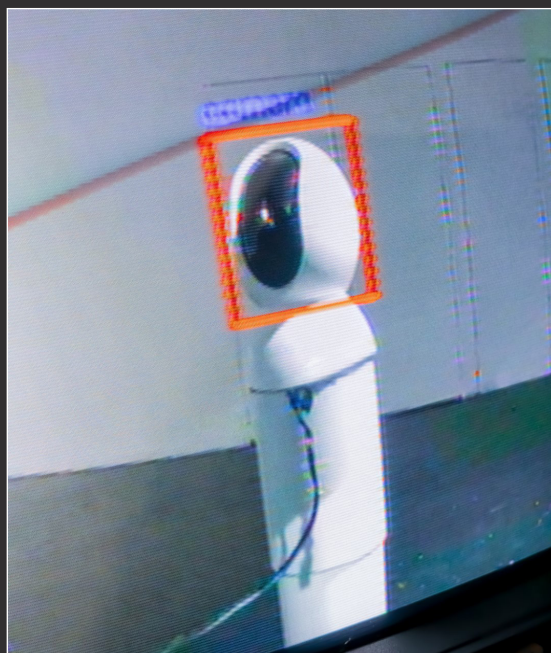
The Netherlands (350.3MB)

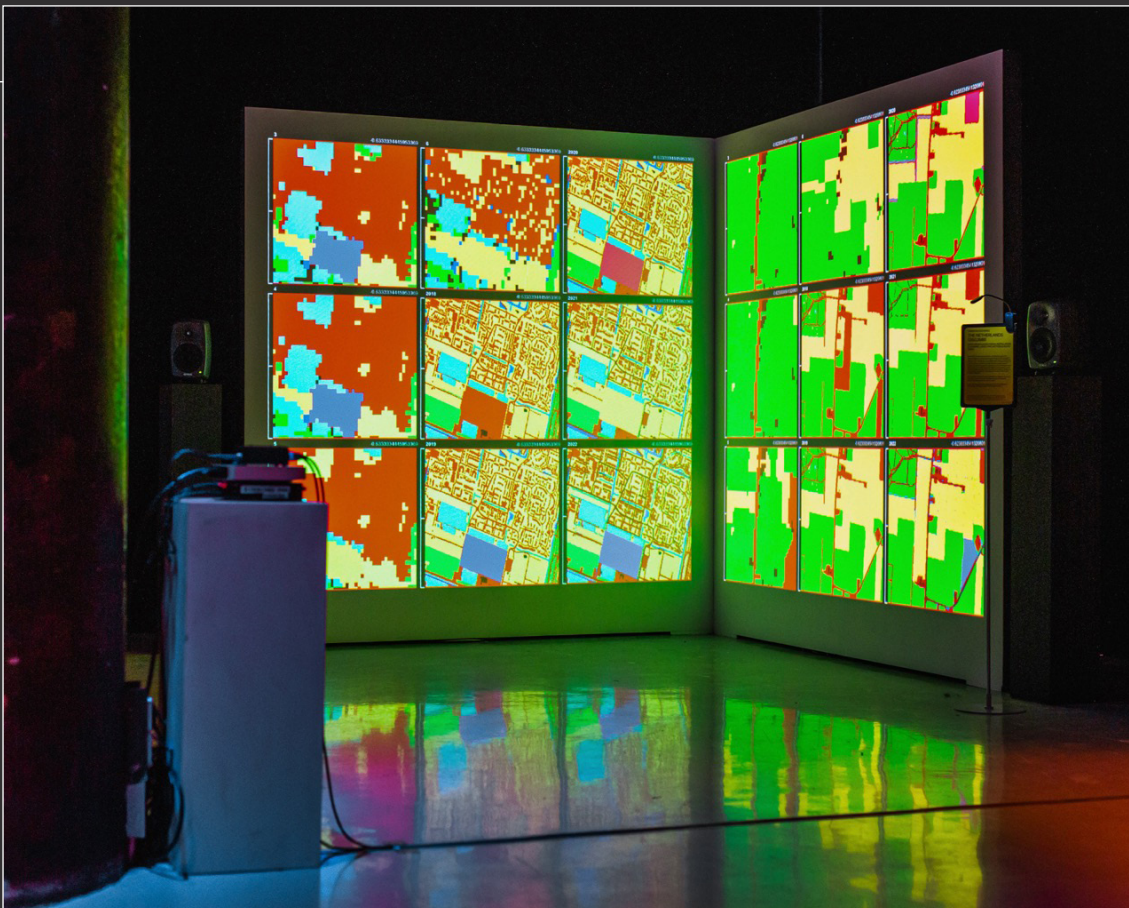**2024 |** Data Sonification, Algorithmic Composition for Audio and Visual
Materials: 6x3m projection surface, 3-ch sound, 2-ch visuals
Exhibited: V2, Rotterdam

Since 1986, the Netherlands has been divided into a map of 42
classes, ranging from "natural grass lands" and "urban built-up
areas" to "potatoes", with the help of remote-sensing technology and
geospatial reference-data. Developed to aid in predicting future
development of The Netherlands, this highly complex system comes
with the inherent limitations of computation and systems-thinking,
as it compresses the entirety of the country into a data-packet of
just 350,3MB (LGN2022).

The installation The Netherlands (350,3MB) is a translation of
exactly these data-packets of recent decades into sound, with the
goal of creating an abstract, sonic representation of the country.

Find AV-Excerpt here.

Somewhere Around 900MHz

2023 | Data Sonification, Algorithmic Composition for Audio and Visual
Materials: Steel frame, 70" screen, headphones, RaspberryPi, SDR, macMini
Exhibiting at Nieuwe Instituut, Rotterdam

This repurposed surveillance-tool generates a sound-composition in real time, by collecting and decrypting sensitive information from nearby phones. ***Find a short excerpt here.***

SA900_Port

2024 | Data Sonification, Algorithmic Composition for Audio and Visual
Materials: Panel-Antennas, 7" screen, headphones, RaspberryPi, SDR
Exhibited at *Dutch Design Week*, Eindhoven

   Portable cell-phone tower that collects data from nearby phones
   and turns sensitive data into a sound-composition. Continuation of
   research-project "Somewhere Around 900MHz".

Listen to a live-recording [here](.).

CELL–PHONE

2023 | Interactive AV Installation
Materials: Unreal Engine, 7" screen, stereo-sound, Antenna
Exhibited at Uncloud Festival, Utrecht

   *S*ite-specific installation made during short residency for Uncloud
   Festival in the isolation cells of the former psychiatric prison.

Link to Video-Documentation

Amateur Engagement in Advanced Technoscience

2022 | Live-Coding-Performance, Research Project
Documentation from *Seoul, South Korea*

Research on adapting the practise of exploiting network vulnerabilities.

Find an excerpt from a live performance here

Two Kids at the Adult's Table

2022 | Furniture Design and Audio/Visual-Performance
17:30 mins, 2-channel AV
Materials: Custom Furniture, live-coding, TouchDesigner

Documentation from **Ten to Ten,** Royal Academy of Arts Den Haag

D¹R-30-F

2021 | Algorithmic Score, Kinetic Installation
Materials: Doors, stepper-motor, transducer, arduinos
Exhibited at *Plan-B Art Festival, Iceland*

Composition for automated doors based on rule 30 of elementary cellular automata.
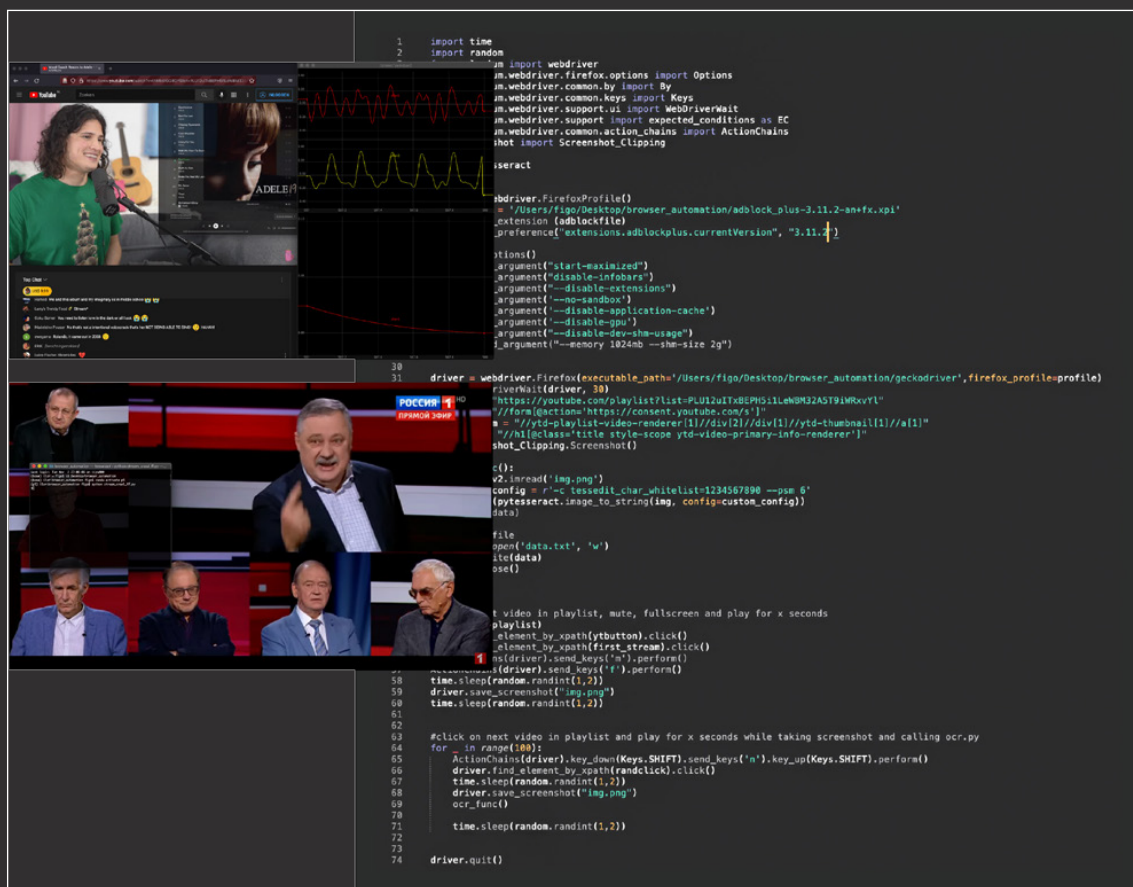
Video Documentation from Sketch

for _ in range(100)

2021 | AV-Performance
Materials: Custom automation software, PureData, 2-channel audio

   Python-script that runs through current YouTube livestreams, analyses
   the visual output and interprets it as audio data.

Find short video documentation here
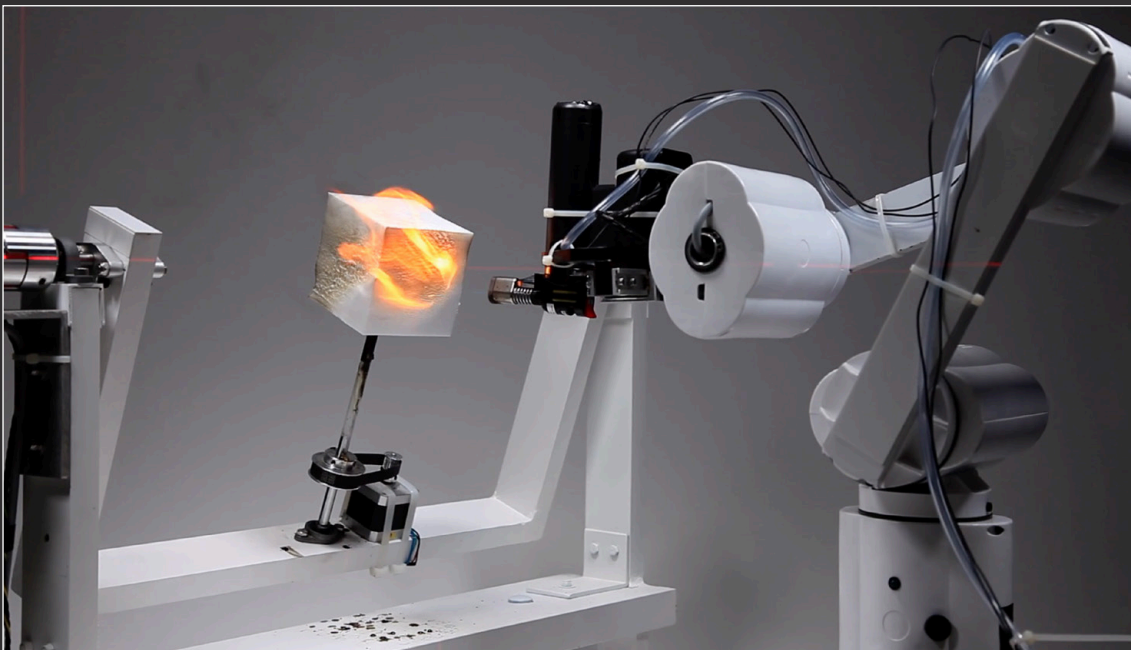
No Growth Without Erosion

2021 | Autodestructive Research, assisting Aldo Brinckhoff
Role: Programmer, Composer

  Researching on automated erosion by melting extruded polystyreen
  (XPS) in an highly precise automated setup. By changing distance,
  path and movement speed of the burner we examined different results.

Link to video documentation

Invisibility of Non-Location

2022 | Algorithmic Composition
Materials: Custom speakers, 2-channel sound
Documentation from **[inside the geofence]** *Vienna, Austria*

   Algorithmic sound-piece composed for custom speakers and audio-
   walk of Silke Riis and Silja Beck at University for Applied Arts
   Vienna.

Video Documentation

Imaginary Lines

2022 | Digital Sculpture for Augmented Reality
Documentation from AR Exhibition in *Tokyo, Japan*

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