

MULTISPECTRAL NARRATIVES

Rethinking Energy Flows from the Scope of Immersive Experiences

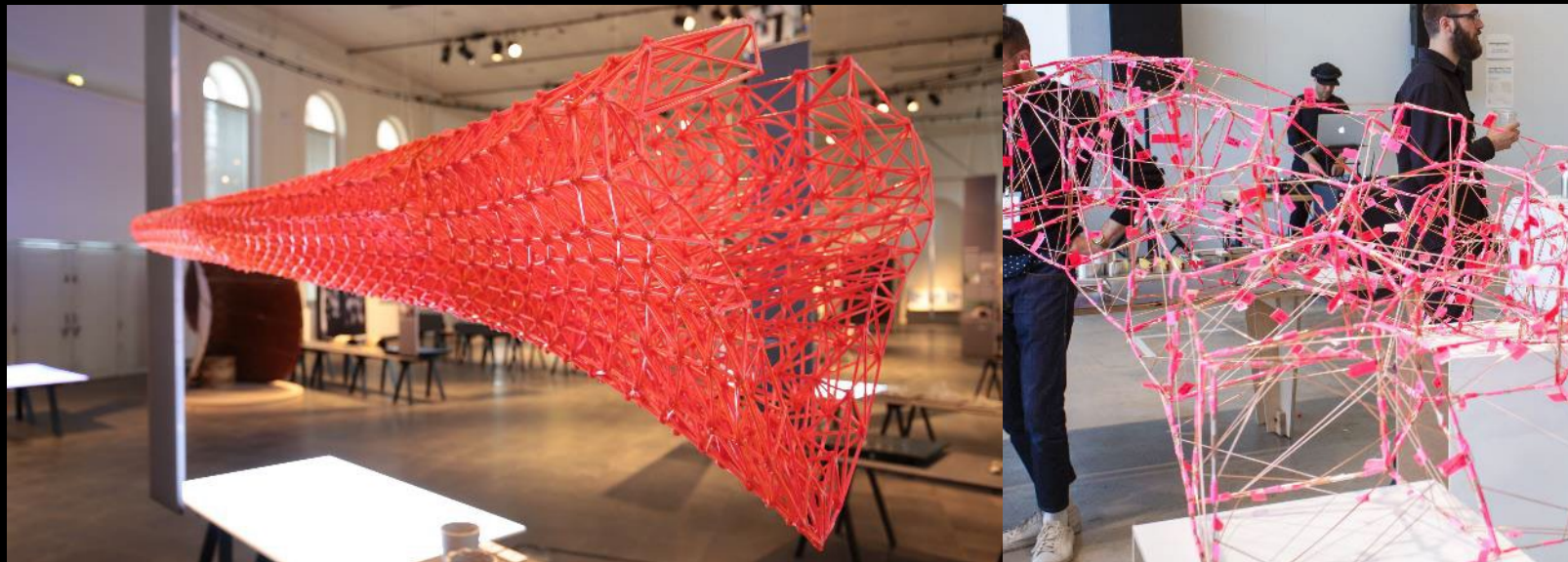
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Hello World!



VIBRANTFIELDS

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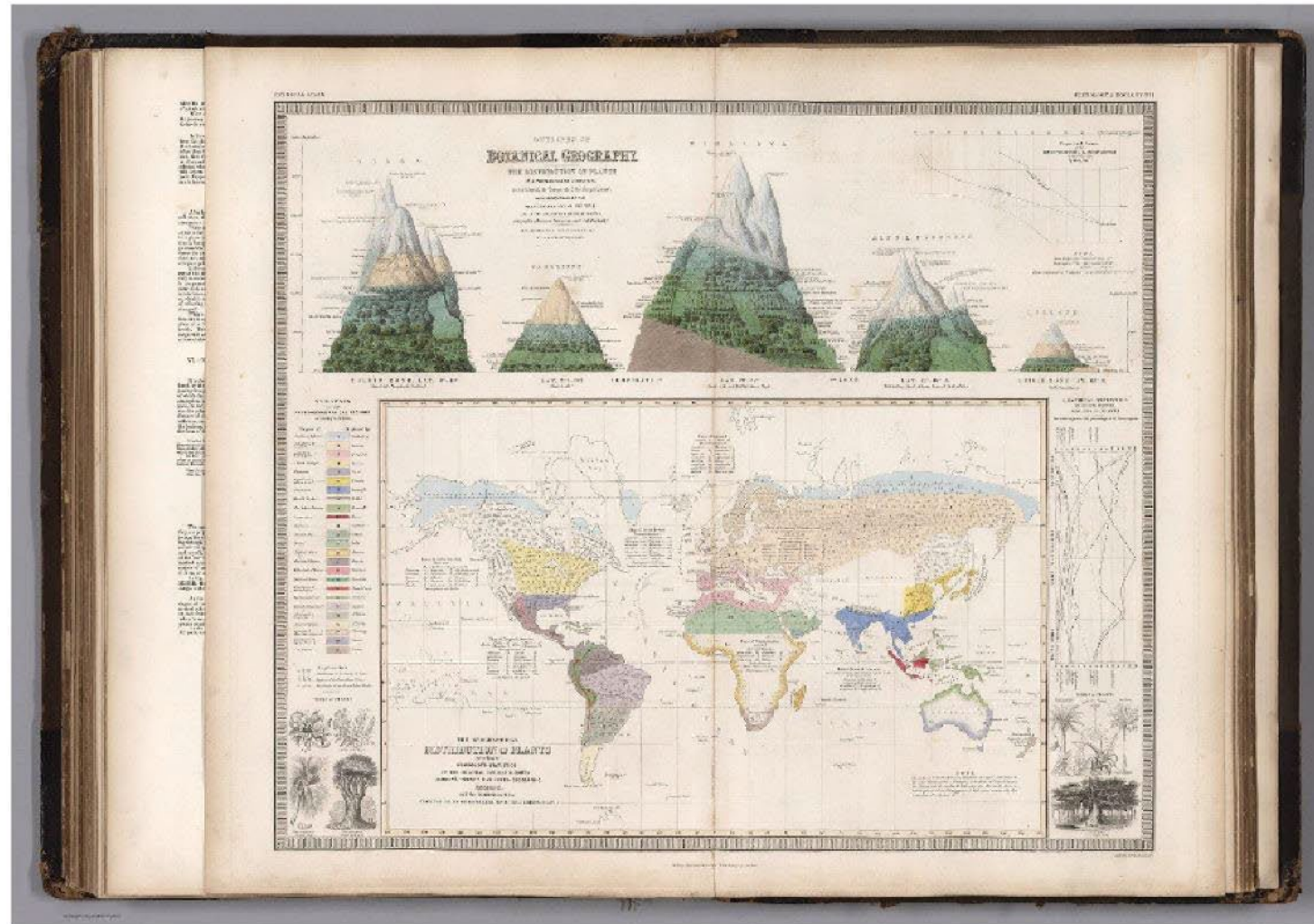
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FWF

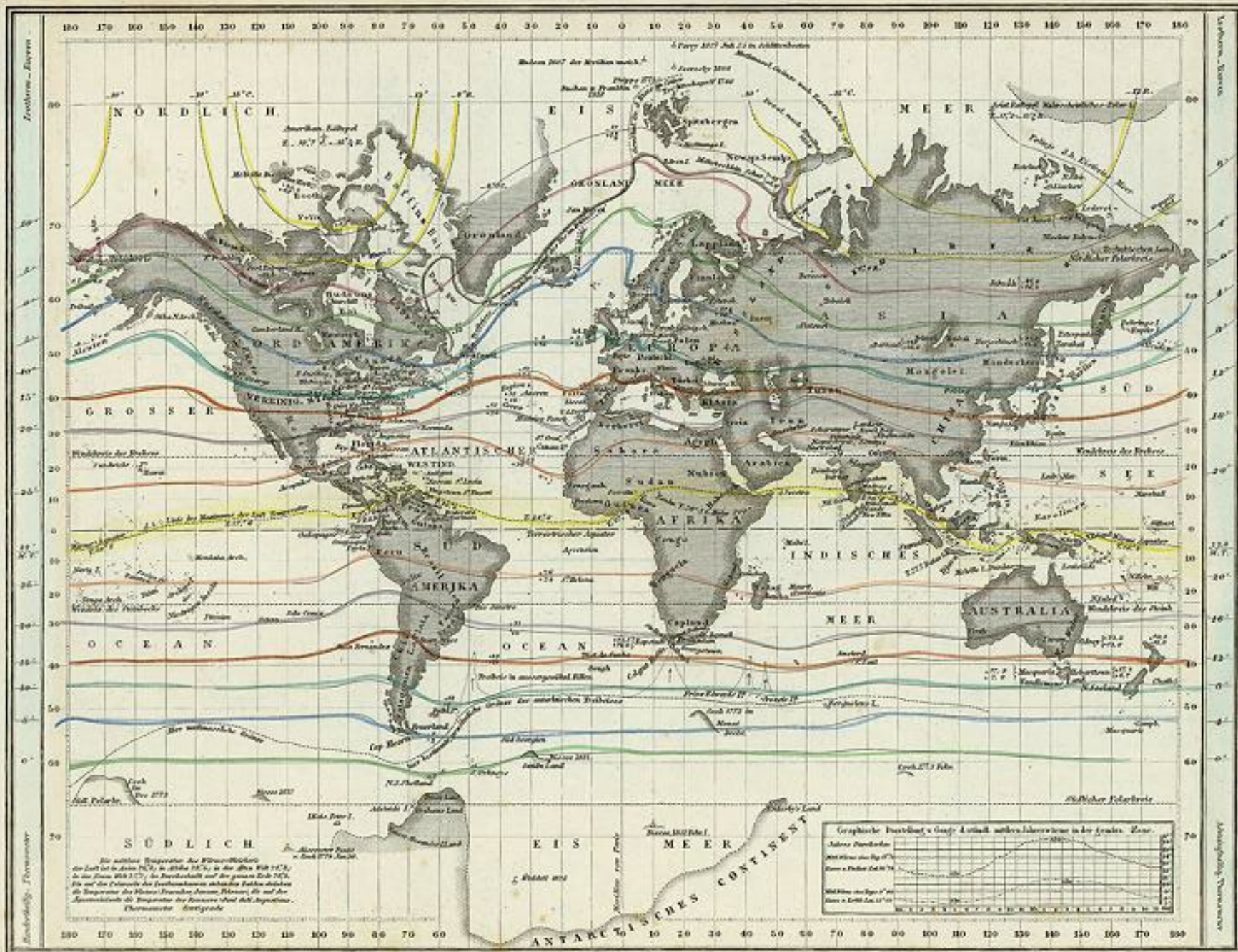
Der Wissenschaftsfonds.



Alexander von Humboldt...



...developed the idea of representing temperature conditions on earth through a geographical distribution of vegetation, especially plants.



CITIES IN EXTREMES

Jakarta, the most humid city, is slowly drowning due the rise in sea level as well as the uncontrolled ground water extraction.

JAKARTAINDONESIA

1984

Phoenix

Phoenix is the hottest state in the US , suffering from the heat island effect which is changing the microclimate. Additionally, it has high wind turbulences.

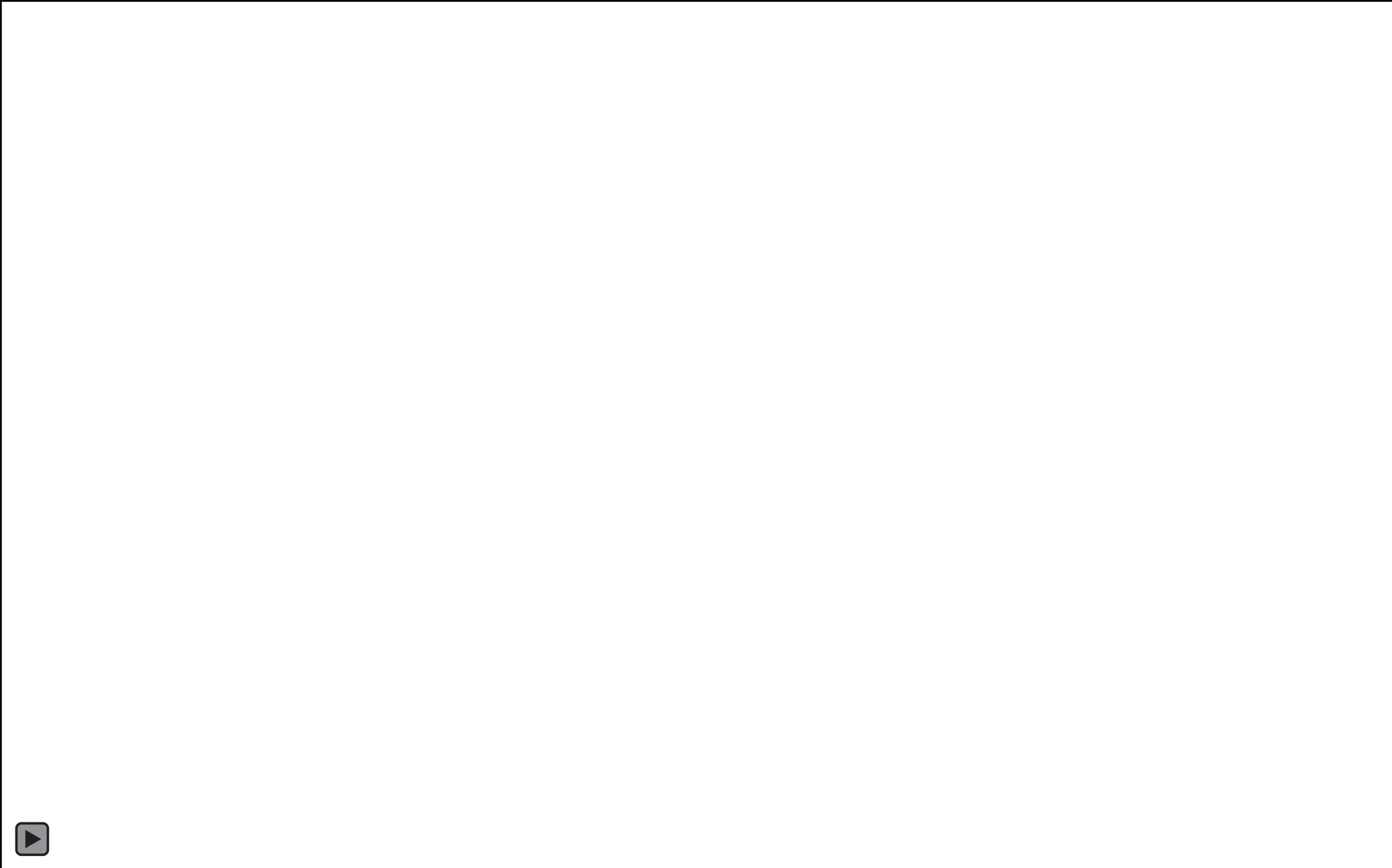
PHOENIXARIZONA

1996

Yakutsk

Yakutsk is the largest city built on continuous permafrost, with extreme subarctic climate with temperatures ranging from -50C to +35C.

YAKUTSKRUSSIA



LAGOSNIGERIA

Methods:

-Observation

Designing sensory instruments to capture information regarding the energy flows.

-Correlation

The mission of correlation is to enhance the abilities to create, read and evaluate data to form a new cartography of urban metabolism expressed in the sensory signature of energetic waves.

-Narrative

Transformation and translation of multispectral data into immersive experiences.

OBSERVATION: SENSING APPARATUSSES

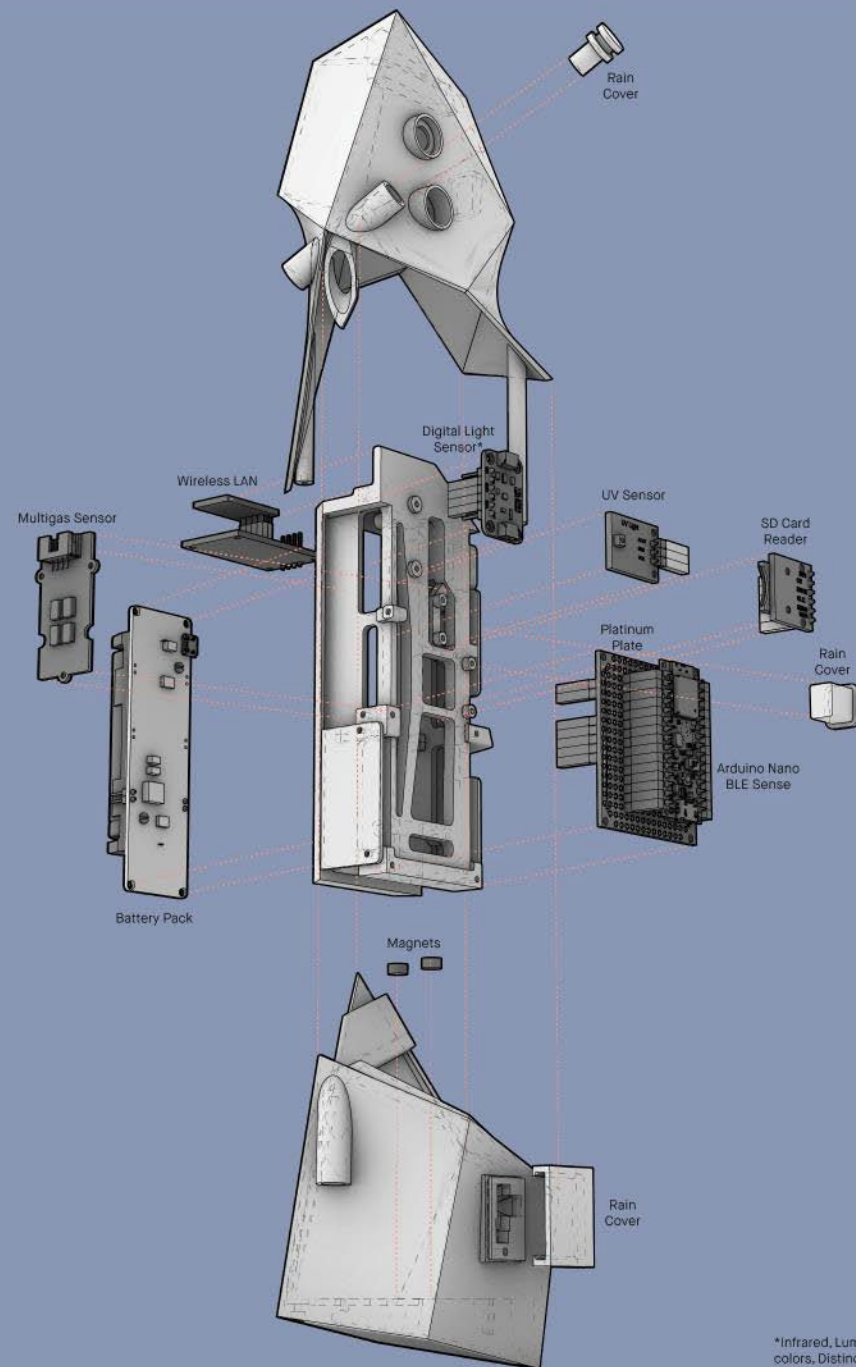
Sensing Devices

Wearable ANNA. Analytical Nary Navigating Apparatus

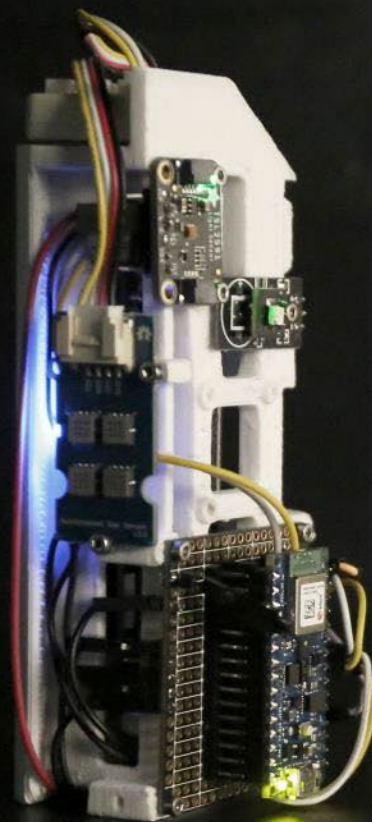
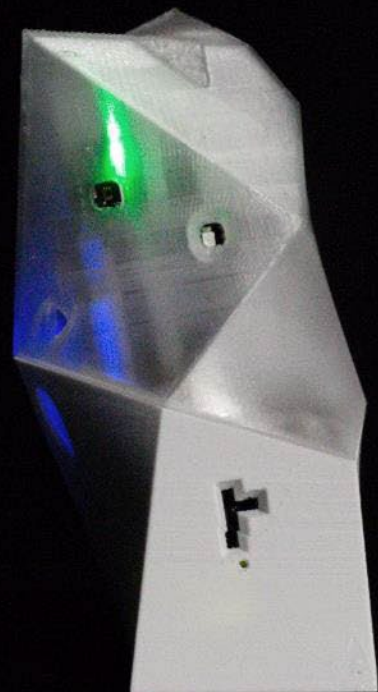
Sensors: Humidity, Temperature, Geolocation, Solar Radiation, Sound, Color spectrum of light among others This gives us live data brought the city as the wearer moves and navigates through the city. The Citizen point of view.

Redundant static information OTTO. Orthographic Trans Territorial Operator

Sensors: LIDAR, Humidity, Temperature, Geolocation, Solar Radiation, Sound, Color spectrum of light among others This Date will be interpolated to add resolution to live gather data. Build environment point of view.



*Infrared, Luminosity, Light intensity, Light colors, Distinct wavelengths

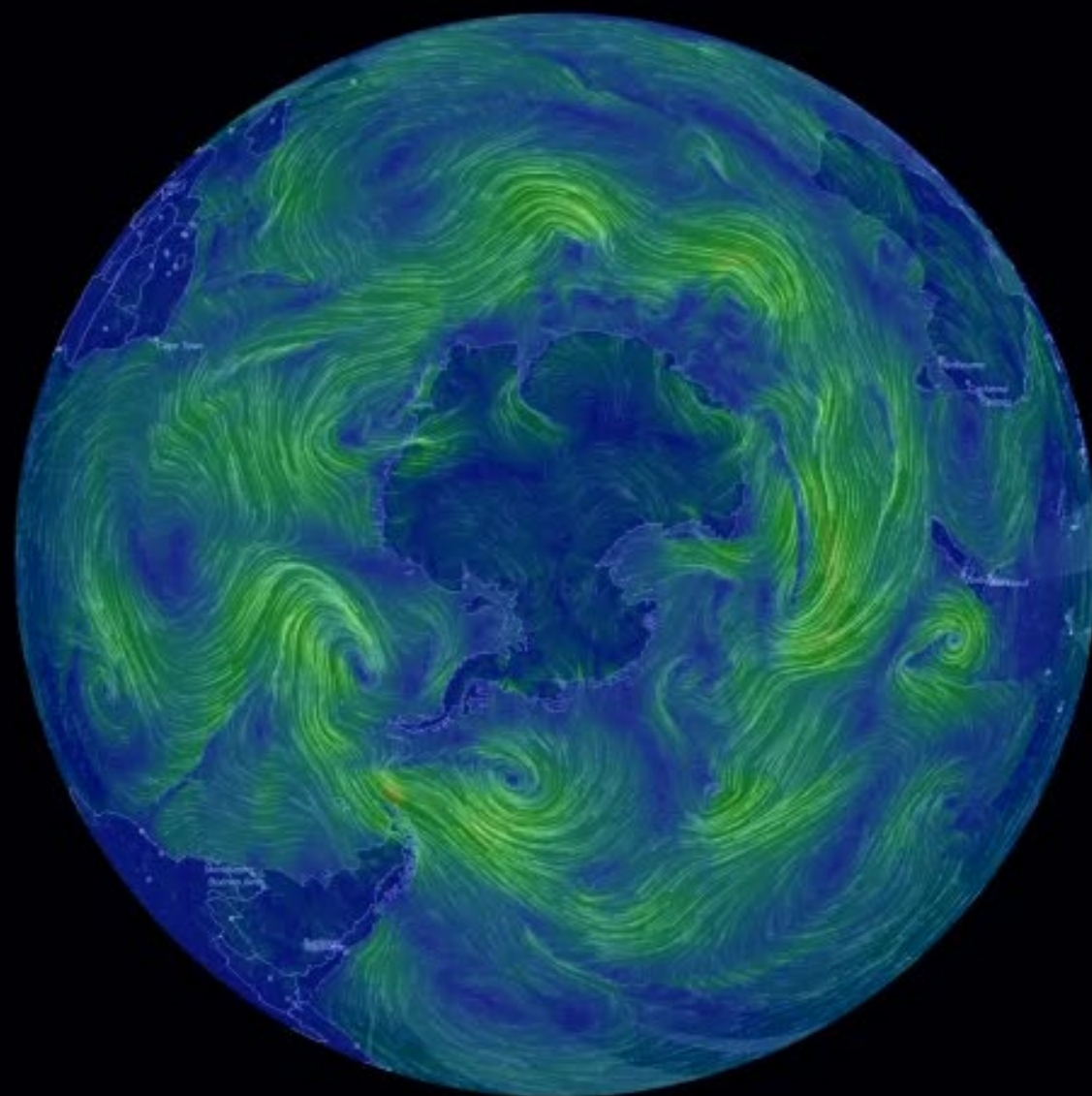






CORRELATION





IQAir Earth

2022-04-14 12:00 Local = UTC

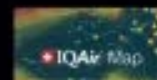
km/h

PM2.5 - PM10 - Wind

World AQI Ranking
12:00, Apr 14

#	MAJOR CITY	US AQI
1	Chiang Mai, Thai...	161
2	Dubai, United Ar...	140
3	Karachi, Pakistan	137
4	Delhi, India	135
5	Hanoi, Vietnam	126
6	Mumbai, India	122
7	Milano, Italy	118

SEE FULL RANKING







NARRATING ENVIRONMENTAL INFORMATION

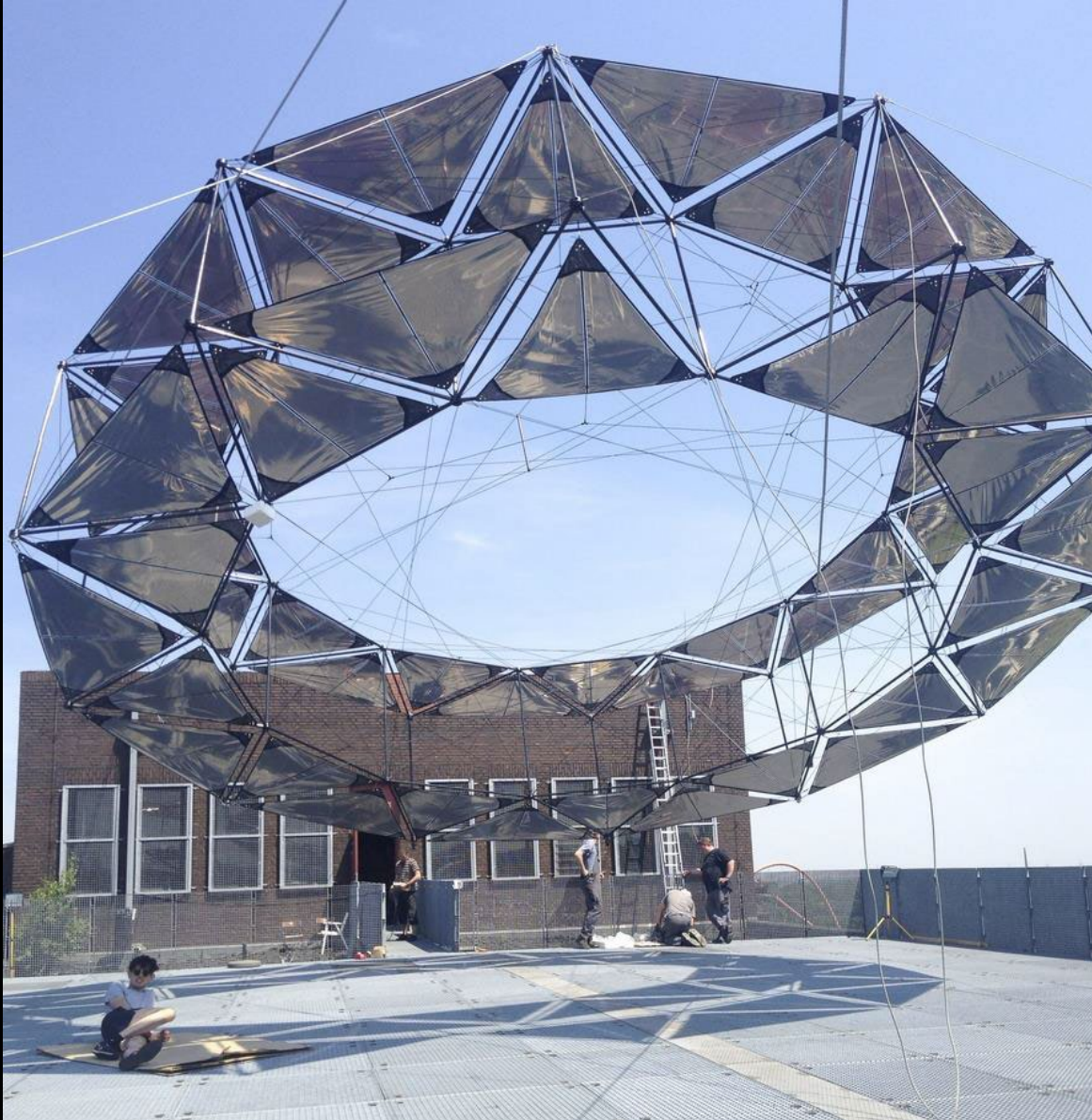


https://flash—art.com/wp-content/uploads/2019/10/Richard_Lowenberg-Flash_Art-11.jpeg

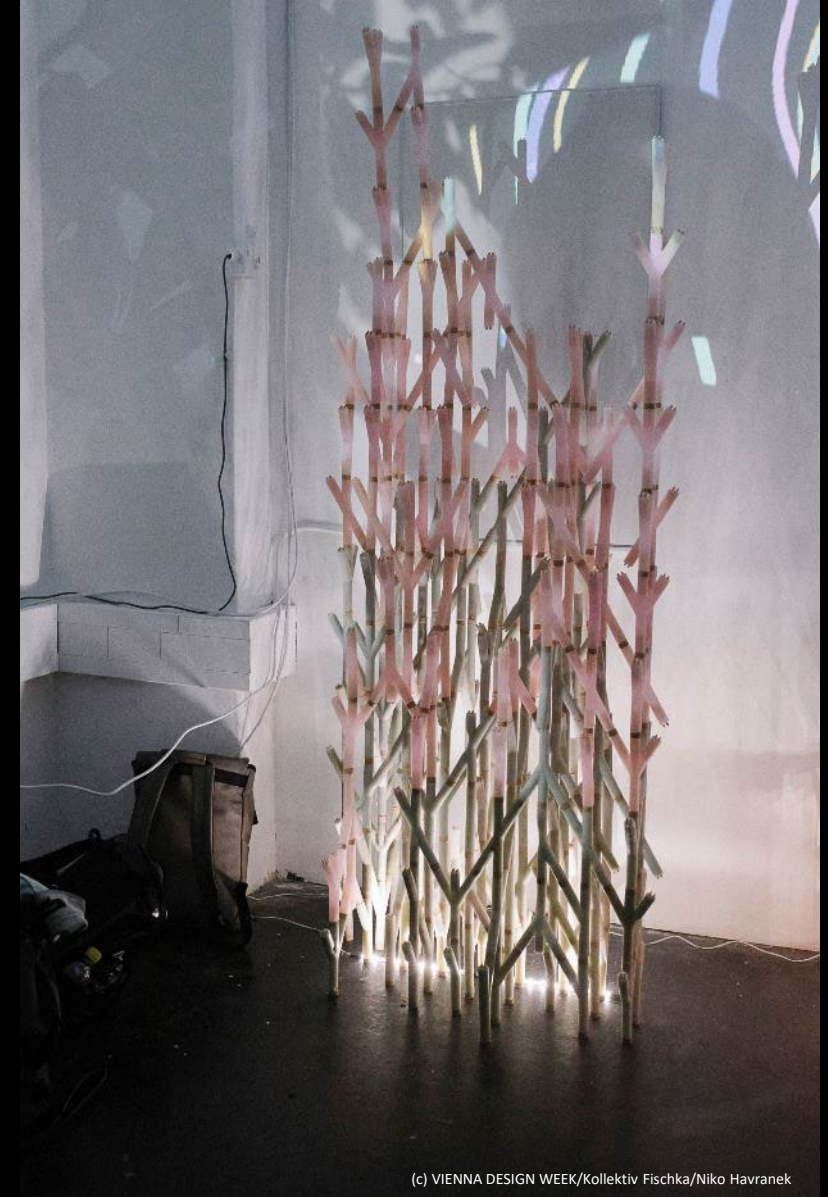
Jill (?) performer with EEG biotelemetry system, allowing brainwaves to control audio + video, and to jam with the monitored plants. Courtesy and © the artist.





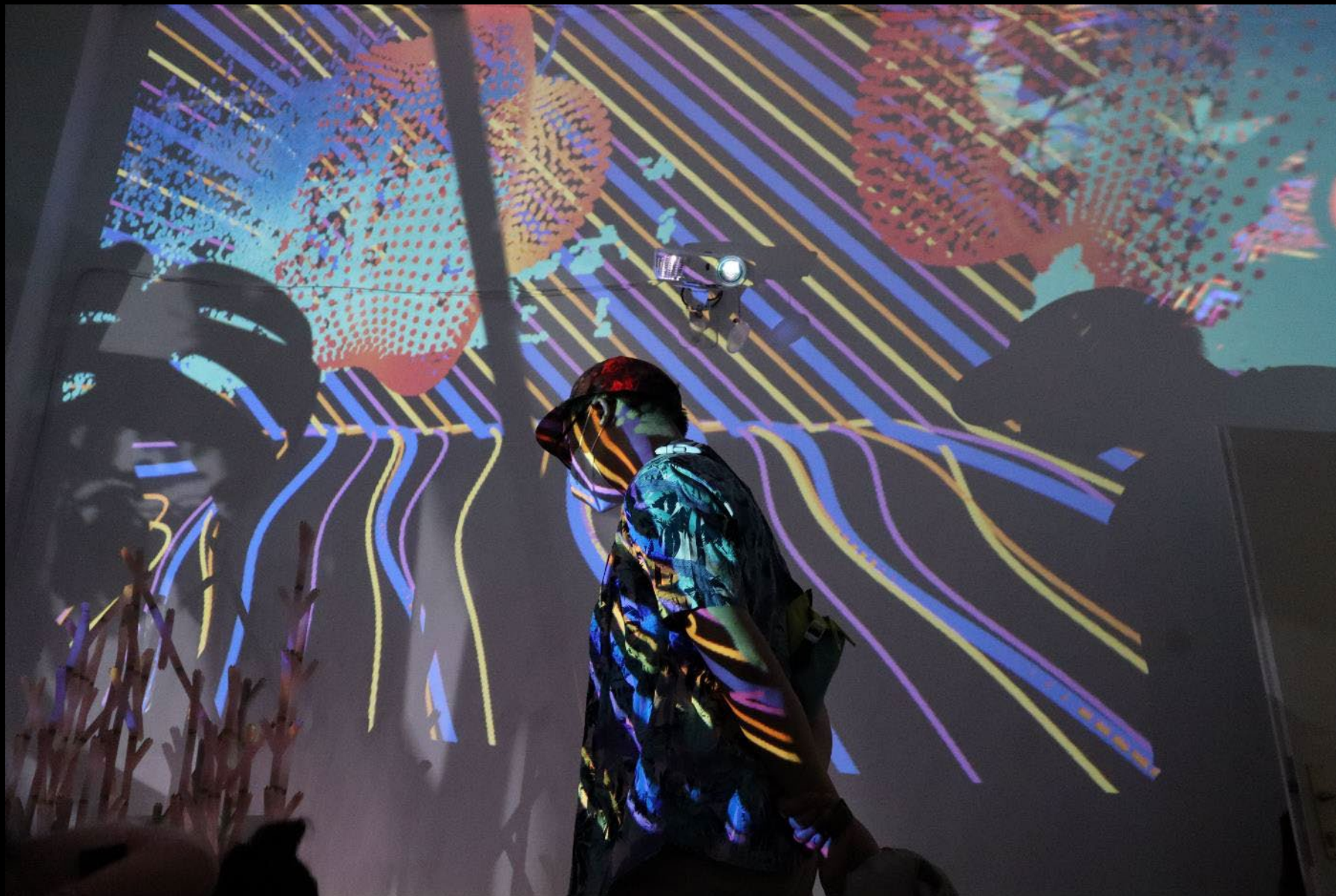








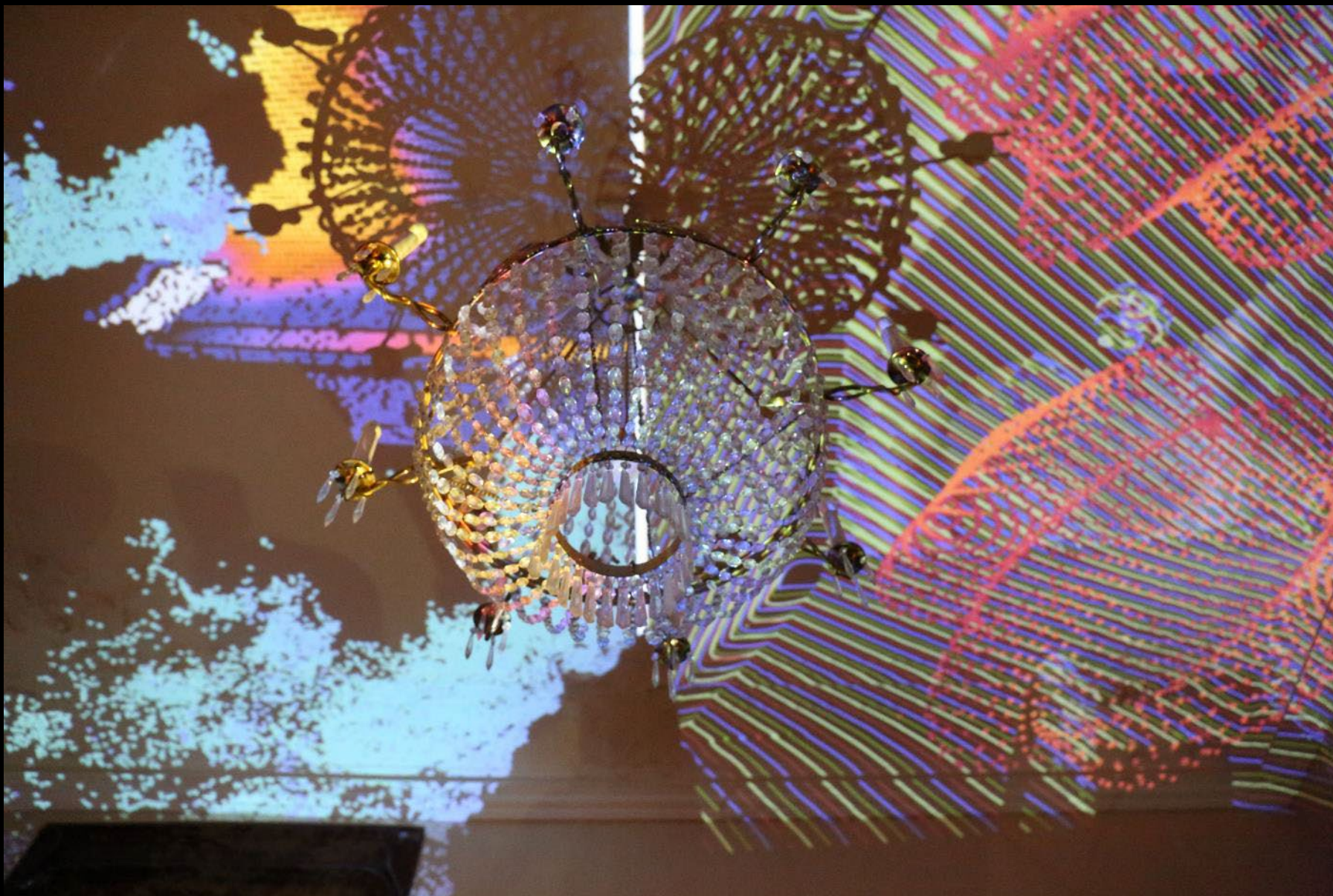














The background is a dark, abstract composition featuring vibrant, multi-colored patterns. These patterns include diagonal stripes in shades of blue, purple, and yellow, as well as areas with a dense grid of small dots in red, orange, and blue. A small, white drone with four rotors is visible in the upper center of the frame, appearing to fly towards the viewer. The overall aesthetic is digital and artistic.

THANK YOU

VIBRANTFIELDS | OA *d1:angewandte* FLWF

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University of Applied Arts Vienna

Der Wissenschaftsfonds.