## Triggered by Motion: A Walk-In Video Installation

Camera traps with motion triggers make it possible to observe animals in the wild without influencing their behavior or resorting to invasive means such as collars or ear tags. But the technique generates huge amounts of data – the evaluation of which is very time-consuming. Artificial intelligence is being called in to help, with more and more research teams using machine learning to speed up image analysis. The video installation Triggered by Motion documents this process. Twenty-one cameras were installed worldwide and the material they each collected over one year was edited to create twenty-minute videos. Visitors to the pavilion can take a year-long trip around the planet.

Triggered by Motion was recently shown at the prestigious Museum für Gestaltung in Zurich, Switzerland and will open again in June 2023 at the Swiss National Park museum at Zernez.
Due to the global interest we developed a second edition, that can pack and travel well around the globe. In 2023 the installation will travel to India, where it will be part of the opening exhibition at the Science Gallery Bengaluru. It will also be shown in Seoul on the occasion of the 60th anniversary of diplomatic relations between Switzerland and Korea, in Brazil, in China, and other museums and exhibition contexts all over the world.

*The network behind Triggered by Motion was developed with the support of swissnex San Francisco, swissnex Brazil, swissnex Boston, swissnex China, swissnex India, the Swiss Science & Technology Office Seoul and the Swiss Embassy in Nairobi. The pavilion was designed by Boris Gusic and produced by Impact Acoustic from 33,000 recycled PET bottles. Project management: Katharina Weikl, Graduate Campus, University of Zurich. planetdigital.ch/en/project/triggered-by-motion*

## A Transnational Network Forum

Triggered by Motion is a travelling exhibition as well as a network forum. It brought together researchers from different fields such as wildlife research, conservation, and image/video data analysis. Spanning the globe, the network connects institutions and national research centers such as the University of Zurich, the Indian Institute of Technology Madras, the Korean Advanced Institute of Science & Technology and the Shanghai Natural History Museum. Below you may find an overview of Triggered by Motion's 21 camera trap locations.


*An international network forum: overview of our 21 camera trap locations in 14 countries worldwide.*

## research + collaboration partners

AFRICA
Kuruman River Reserve, South Africa: Marta Manser, Brigitte Spillmann, **University of Zurich**, Zoe Turner, **Kalahari Research Centre**
Lewa Wildlife Conservancy, Kenya: Dominic Maringa, Eunice Kamau, Timothy Kaaria, **Lewa Wildlife Conservancy**, Martin Bauert, **Zurich Zoo**
Moremi Game Reserve, Botswana: Gabriele Cozzi, **University of Zurich**, Megan Claase,Peter Apps, **Botswana Predator Conservation**

ASIA
Chennai, India: Susy Varughese, Vivek Puliyeri, **IIT Madras**
Cheorwon, South Korea: Choi Myung-Ae, **Center for Anthropocene Studies, KAIST**
Kastamonu, Turkey: Anil Soyumert, Alper Ertürk, **University of Kastamonu**, Dilşad Dağtekin, Arpat Özgül, **University of Zurich**
Seoul, South Korea: Kim Gitae, Citizen Scientist
Shanghai, China: Li Bicheng, **Shanghai Natural History Museum (Shanghai Science and Technology Museum)**

EUROPE
Cerova, Serbia: Mihailo Stojanovic, Citizen Scientist
Engadin, Switzerland: Hans Lozza, **Swiss National Park**
Fanel, Switzerland: Stefan Suter, **WLS.CH** / **Zurich University of Applied Sciences**
Gran Paradiso National Park, Italy: Alberto Peracino, **Parco Nazionale Gran Paradiso**, Alice Brambilla, **University of Zurich**
Zürich, Switzerland: Conny Hürzeler, Citizen Scientist, Madeleine Geiger, **StadtWildTiere Zürich**

NORTH AMERICA
Bolinas, USA: Jeff Labovitz, Suzan Pace, Citizen Scientists
Palo Alto, USA: Bill Leikam, **Urban Wildlife Research Project**
Rolling WI, USA: Blayne Zeise, Jennifer Stenglein, **Snapshot Wisconsin** / **USFWS Pittman-Robertson Wildlife Restoration Program**
San José, USA: Yiwei Wang, Dan Wenny, **SFBBO**
Coyote Creek Field Station

OCEANIA
Oamaru, New Zealand: Philippa Agnew, **Oamaru Blue Penguin Colony**

SOUTH AMERICA
Pedregulho, Brazil: Rita de Cassia Bianchi, Rômulo Theodoro Costa, **São Paulo State University**
Rio de Janeiro, Brazil: Natalie Olifiers, **Universidade Veiga de Almeida**

*The international network was developed with support of: swissnex San Francisco, swissnex Brazil, swissnex Boston, swissnex China, swissnex India, Swiss Science & Technology Office Seoul and the Swiss embassy in Nairobi.*

## project team

Lead: Dr. Katharina Weikl, **Graduate Campus, University of Zurich**
Assistance: Manuel Kaufmann
Project management: Leila Girschweiler, Anne-Christine Schindler
Computational biology: Laurens Bohlen
Mentor: Prof. Dr. Ulrike Müller-Böker, **University of Zurich**
Scientific advisor: Prof. Dr. Daniel Wegmann, **University of Fribourg**

Pavilion design: Boris Gusic Architects
Production CNC Operator: Dimitri Zehnder, **Impact Acoustic**

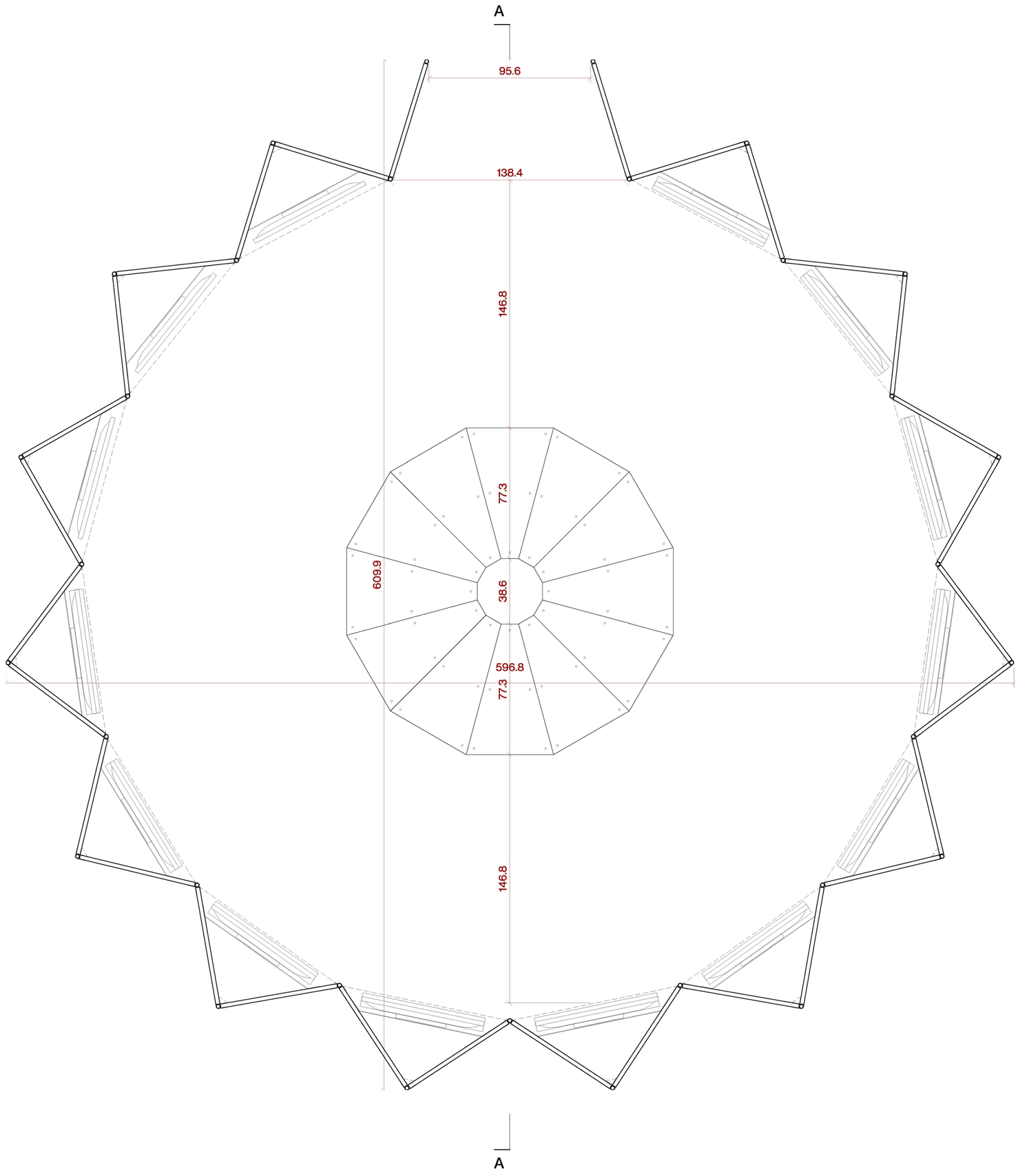
Video editing: Jan-David Bolt, Vanessa Mazanik, Lars Mulle, Vanja Tognola, Hadrami Yurdagün
Sound Design: Lars Mulle

*We thank Impact Acoustic for the production of the pavilion out of materials made with recycled PET.*

INTERIOR

ENTRANCE

Plan view

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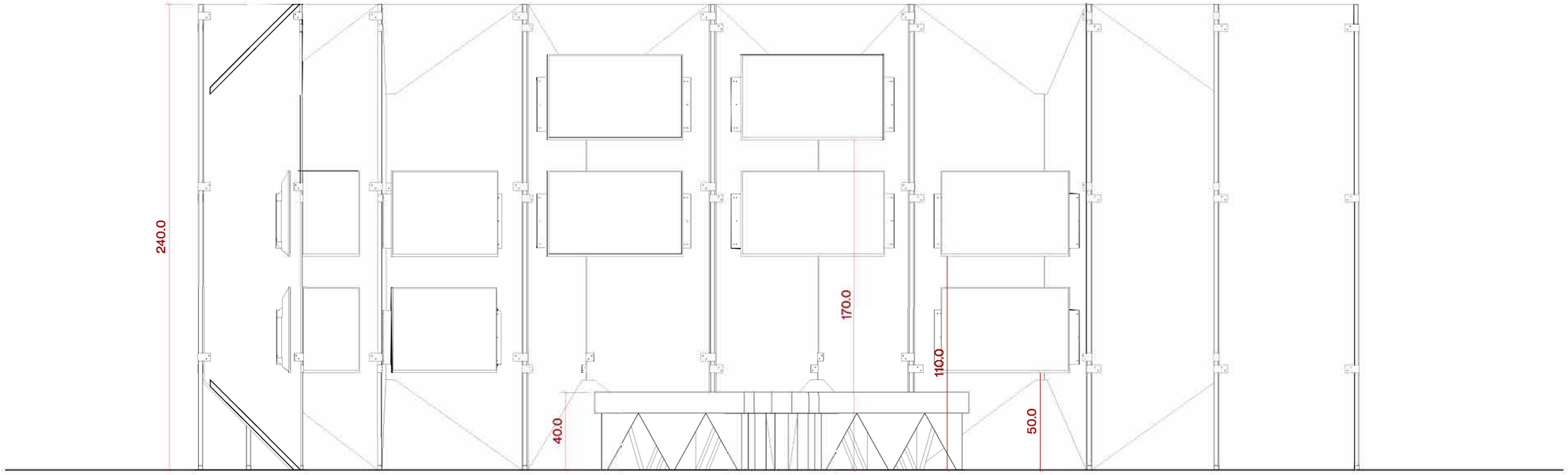


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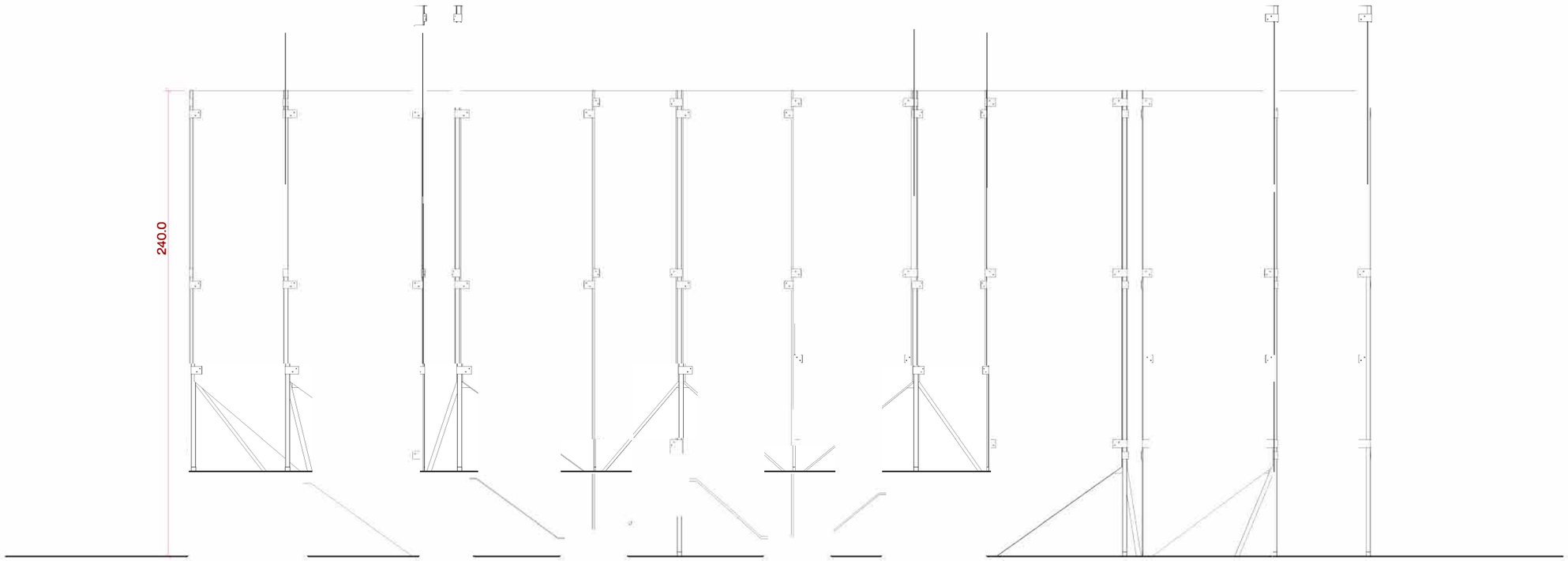


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