

Karlsruhe, July 23, 2018

The second phase of the successful educational experiment *Open Codes* opens on 01.09.2018 with around 40 new works under the title *Open Codes II. The World as a Data Field*

Opening weekend (01. & 02.09.2018) with reOPENing party, hackLOUNGE, workshops and discussion series

Since the launch of *Open Codes* on 20.10.2017, the ZKM has registered almost 100,000 visitors within eight months. The first foreign station of *Open Codes* in the gallery of the Goethe-Institut Mumbai had about 3,500 visitors in two months. The number of visitors to the first phase of *Open Codes* in Karlsruhe and Mumbai is impressively high. They prove how much the completely new exhibition and educational experiment - with free admission, free snacks and drinks, free Wlan and free electricity - is accepted by the public.

After the first phase (20.10.2017-05.08.2018) of *Open Codes* showed various examples of coding, from Morse Code to genetic code, and their artistic and industrial application, the focus of the second phase (01.09.2018-06.01.2019) is on the investigation of a world that is not only generated, controlled and controlled by things, words and images, but above all by data. That is why the exhibition is called *Open Codes II: The World as a Data Field*. It opens on September 1st 2018 with a comprehensive workshop and education program as well as a reOPENing party and hackLOUNGE. In addition to the approximately 40 new works to be set up in the exhibition space - the highlight is the large-scale installation *The world as a data field* with 40 screens by Peter Weibel and Christian Lölkes - code-based scientific projects will be published on the [Open Codes website](#) from September 1st 2018. These works are only available online.

"The large number of electronic interfaces such as smart phones, computers, television, radio, scoreboards in offices, airports, stock exchanges and train stations, which surround every person in the western world every day, clearly shows that navigation with the help of the sun, moon and stars has long been replaced by satellite-based navigation and other instruments. In the digital age, people are guided to their destination by algorithms based on the availability of mobile phone masts and visible satellites in the sky. Today's migrants travel by smartphone instead of passport: in a world managed by codes, it is the passe-partout of the twenty-first century.

July 2018

Open Codes II. The World as a Data Field
Exhibition

Duration of exhibition
Sa 01.09.2018 – Sun 06.01.2019

Location
ZKM_Atrium 8+9

Admission to the exhibition is free!

Press contact

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Founders of the ZKM



Baden-Württemberg
MINISTERIUM FÜR WISSENSCHAFT, FORSCHUNG UND KUNST

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After the coded world, the exhibition now gives an insight into this digital world dominated by data." (Peter Weibel, artistic-scientific director of the ZKM)

New large-scale installation: Atrium becomes the data main station

In atrium 8 the new installation *The world as a data field* is presented (idea and concept: Peter Weibel; programming and realisation: Christian Lölkes), which confronts us in an exaggerated way with data on the numerous screens that accompany us around the clock, from the airport, to the train station, to the stock exchange, in our homes and on the road.

Data fields are omnipresent: which aircraft are in our airspace, what does the network weather look like, how much data is flowing through the glass fibre in the building: All this information is collected on more than 40 screens in the atrium, which thus becomes the data main station.

Sa 01.09.-Sun 02.09.2018

Opening weekend

Sa 01.09.2018

Opening hours of the exhibition: 2pm - 9pm

4pm-6pm **Open Discussion: What is „Open Codes“?**
Discussion series with ZKM, OK Lab, Entropia e.V., FabLab and Freifunk
OpenHUB, Atrium 8+9

9pm-2am **N-Polytope**
Performance and opening of the installation
Subspace

The installation pays homage to the *Polytopes* of the 1960s and 1970s by the composer Iannis Xenakis. The first of his revolutionary multimedia room compositions was premiered at the French Pavilion at Expo 67 in Montreal. The new configuration for the ZKM subspace consists of 126 powerful LED lamps and many tiny loudspeakers distributed over the entire room. They are suspended from a geometric "control surface" of thin aircraft cables, creating a light and sound environment that constantly oscillates between order and disorder.

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6pm-2am	reOPENing Party hackLOUNGE & Party, open to everyone Foyer	July 2018
Sun 02.09.2018	Opening hours of the exhibition: 11 am - 6pm	Open Codes II. The World as a Data Field Exhibition Duration of exhibition Sa 01.09.2018 – Sun 06.01.2019
11am-1pm	Fine particulates sensor workshop Registration via www.zkm.de , OpenHUB Fine particulates and open data? The OK Lab Karlsruhe organizes a workshop in which the participants build a DIY fine particulates sensor and explore the fine particulates measurements in Karlsruhe. The sensor was developed in Stuttgart and the database is also operated there. With over 3000 sensors, the project is now one of the largest sensor networks operated by volunteer <i>Citizen Scientists</i> . To become a SensorpatIn, you only need to get the components, follow the building instructions and inform the project of the location (and a contact option), then the measured values are displayed on the world map and are available as open data.	Location ZKM_Atrium 8+9 Admission to the exhibition is free! Press contact Regina Hock Press officer Tel: +49 (0) 721 / 8100 – 1821 Email: presse@zkm.de www.zkm.de/presse ZKM Center for Art and Media Karlsruhe Lorenzstraße 19 76135 Karlsruhe
2pm-4pm	Data analysis workshop (no programming skills required) Registration via www.zkm.de , OpenHUB How many schools per inhabitant does <i>Südstadt</i> have? Where is Karlsruhe's greenest district? How big is the gap between rich and poor? And how did your own neighborhood vote? The workshop group takes a look into various data from the city and creates analyses together with simple, free tools - completely without programming knowledge.	Founders of the ZKM   Baden-Württemberg MINISTERIUM FÜR WISSENSCHAFT, FORSCHUNG UND KUNST
3pm-5pm	Guided tour "Behind the artworks of Open Codes II" Using the example of some of the works in the exhibition, the participants will examine various technical aspects of the digital world:	Partners of the ZKM  

algorithms, visualization, processors, etc..

Speaker: Dr. Andreas Kugel, computer scientist
In cooperation with the OK Lab Karlsruhe

4pm-6pm

ACKERlab - Let's plant and code together
Ackerspace

How can plants and codes be combined? In this workshop we will experiment with different plants and mini-computers.

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Educational experiment *Open Codes*

With the exhibition *Open Codes*, the ZKM has developed a completely new exhibition format that is unique in the museum landscape: a knowledge platform that is freely accessible and very similar to our actual living and working environment. With this new exhibition format, a mixture of laboratory and lounge, the ZKM not only meets the requirements of digital change to understand knowledge as a central resource, but also integrates the individual wishes and requirements of its visitors into the space of the museum. Following its educational mandate, the ZKM is thus redefining the museum for the 21st century.

The co-working areas in the exhibition, which are intended to encourage learning and working together in a relaxed atmosphere, will continue to be used for workshops, parties, camps, science teams and meetings. For the second phase of the exhibition, the ZKM, together with committed groups from Karlsruhe, has also developed a comprehensive mediation and supporting programme.

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