

MORGENSTADT CONFERENCE

CO₂ NEUTRAL SMART CITIES

Leipzig, 4th and 5th April, 2019



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Morgenstadt: City Insights

Several years ago, the Fraunhofer-Gesellschaft recognized the role of cities as "drivers" of ecological, social and economic innovations. In 2011, Fraunhofer experts from various fields and applications joined forces to support cities on their way to more innovation. In the joint research project "Morgenstadt: City Insights" (m:ci), 11 Fraunhofer Institutes and a further 36 partners from cities, municipalities and industry are pooling their expertise and offering cities various forms of support for sustainable urban development.

Our mission at Morgenstadt is to make cities future-proof. We perceive cities as complex adaptive systems and work together with cities, businesses and research to define local pathways of innovation and urban development. By linking technological innovation, urban development and social and ecological premises for sustainable and inclusive cities, Morgenstadt helps create cities that are ready for the future!

Why CO₂ neutral Smart Cities?

Because, in spite of the Paris agreement, nation states are failing to meet their climate goals!

Currently, we find ourselves with a temperature increase of about 0.17 °C per decade, although almost all nation states have committed to limiting global warming to less than 1.5 °C. However, all currently planned Nationally Determined Contributions (NDCs) taken together will not limit global warming to less than 3 °C or even 4 °C.*

With the nation states failing, it is time for cities and corporations to step up and take the lead into a carbon-free future. There are innovative strategies, technical solutions and policies for the transition to carbon neutral and fossil fuel-free cities.

The rise of renewable energies, electric vehicles and low-energy retrofitting is not enough. But with data, connectivity and the IoT, we have a powerful tool at hand to link buildings, energy systems and urban transportation in radically new ways. The digital transformation will help us create carbon-neutral cities!

This Morgenstadt / Future Cities conference will explore appropriate pathways for transition, show solutions at hand and discuss the questions that are still unsolved.

PROGRAM 4TH APRIL, 2019
IMPULSE – DISCUSSION – WORKSHOPS

8.30 am Registration

9.00 am Welcome

Mr. Burkhard Jung, Mayor of Leipzig

9.15 am The digital transformation as enabler for CO₂ neutral cities

Prof. Dr.-Ing. Prof. e. h. Wilhelm Bauer, Director, Fraunhofer IAO

9.30 am How are cities preparing for a CO₂ neutral future?

Mr. Alanus von Radecki, Fraunhofer IAO, Director Morgenstadt: City Insights

9.45 am What does the EU expect of a CO₂ neutral smart future?

The European Commission

10.15 am Impulse

Mobility

Electric vehicles, mobility and accessibility, mass transit, bikes, remote work and meetings. How can we reduce CO₂ emissions in transport?

Energy

Concentrated solar power, grid flexibility and storage, energy transformation, VPPs and smart energy districts.

11.15 am Discussion

12.00 am Lunch (Stelzenhaus)

1.30 pm

Data

How does the digital transformation contribute to halving current CO₂ emissions? Smart contracts, energy markets on blockchain etc.

Buildings

Digital automation, retrofitting, low-carbon heating & cooling and construction.

2.30 pm Discussion

3.15 pm Coffee Break

3.30 pm Workshop and co-creation

5.30 pm Conclusions of the day

6.30 pm Joint dinner & Networking Event (Kaiserbad Leipzig)

PROGRAM 5TH APRIL, 2019

IMPULSE – DISCUSSION – WORKSHOPS

9.00 am **Registration**

9.15 am **Impulse presentation: Preparing for the MSCGI (Morgenstadt Smart Cities Global Initiative)**

9.45 am **Reflections on urban investments**

EUROPEAN INVESTMENT BANK

10.15 am **Sharing experiences from the Morgenstadt projects**

Triangulum, UNALAB, Smartilience – Best and worst practices!

10.45 am **Collaboration on upcoming proposals and joint Morgenstadt R&D consortiums**

WORKSHOP – Preparing for open calls

- Roundtable sessions with up to three R&D consortiums on relevant topics in regard to CO₂ neutral Smart Cities.
- We will build on open calls or upcoming calls for proposals at the German and/or EU level and join forces in new project consortiums.
- We are collecting inputs for a joint policy paper on CO₂ neutral city development to address EU and national policy makers.

WORKSHOP – Governing urban data

- Kickoff workshop for the Morgenstadt CDO R&D Program: Smart City managers join forces to govern the digital transformation of our cities.
- Exchange and dialog around key challenges, ideas and best practices in the area of Urban Data Governance.
- Specification of the 2019–2020 work program.
- Aggregation of demands, requirements and outputs as a basis for a joint policy paper on Urban Data Governance.

1.00 pm **Lunch (Stelzenhaus)**

2.00 pm **Best Practice Tour Leipzig West (VDI Garage and alte Spinnerei)**

See how Leipzig is practicing the transformation towards a smart city – including one of Leipzigs oldest Industrial Areas, which has been turned to a multifunctional place for Innovation and Creation.

5.00 pm **End of the event**

GENERAL NOTES

MORGENSTADT CONFERENCE



ATTENDANCE FEE

- The Participation for April 4, 2019 is free of charge. The Participation at the Joint Dinner is 180 € per person.
- The participation fee for April 5, 2019 is 1500 € per person.
- Both days (incl. Joint Dinner) can be booked for a total price of 1500 €.

The fee includes participation in the lectures, conference documents, evening event as well as lunch and refreshments during the breaks and the networking session.

PARTICIPATION IN THE CONFERENCE IS FREE OF CHARGE FOR MORGENSTADT PARTNERS.

BOOKING DEADLINE | March 24, 2019

CHANGES TO REGISTRATION | A change of registration to another participant is possible at any time and free of charge. This should be done in writing

CANCELLATION | A fee of 75 € is payable for registrations cancelled by March 28, 2019. After this date, the full participation fee will be charged.

VENUE

VDI Garage Leipzig, Karl-Heine-Straße 97, 04229 Leipzig
Dinner: KAISERBAD, Karl-Heine-Straße 93, 04229 Leipzig

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EVENTMANAGEMENT | Fraunhofer IAO,
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REGISTRATION | You can register online at:
www.iao.fraunhofer.de/vk570.html

HOTEL RECOMMENDATIONS

Arthotel ANA Symphonie Leipzig

<https://ana-hotels.com/symphonie>
Hainstraße 21, 04109 Leipzig
0341 21203100
symphonie@ana-hotels.com
Room rate: Single room at 99€ (breakfast included)

Best Western Plus Royal Suites

<https://www.bestwestern.de/hotels/Leipzig/Best-Western-Plus-Royal-Suites>
Wintergartenstraße 4, 04103 Leipzig
0341-25660100
info@royal-suites.bestwestern.de
Room rate: Single room at 89€ (breakfast included)

Vienna House Easy Leipzig

<https://www.viennahouse.com/de/easy-leipzig/zimmer.html>
Goethestr. 11. 04109 Leipzig
0341 991 53 90
info.easy-leipzig@viennahouse.com
Room rate: Single room at 107€ (breakfast included)

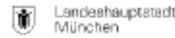
MORGENSTADT PARTNERS

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RESEARCH



CITIES



INDUSTRY



STRATEGIC PARTNERS



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