

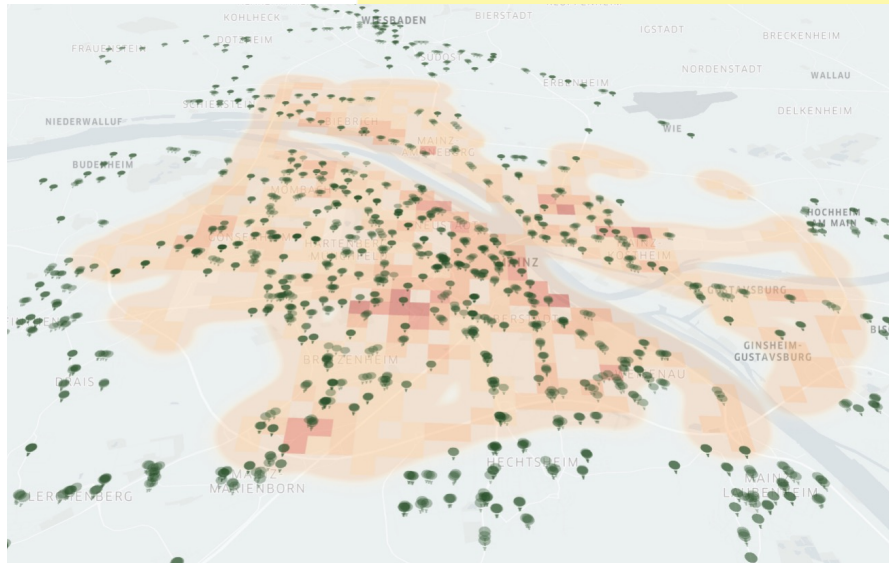
# **Detecting Potential for Sustainable Municipalities**

With the Right Data Basis to Better Urban Heat Measures

# Simple Insights for the City of Tomorrow: Detecting Potentials for Heat Measures

**Data-based insights** for targeted municipal measures. You ask the questions for your city - we provide visual answers with data.

For example, to the questions...



- ...where are there heat islands? And what causes them?
- ...which urban indicators (structural, vegetation, topography) characterize places with increased occurrence of heat islands?
- ...with which urban planning measures can heat islands be avoided in the future?
- ...how can a regular reporting for the continuous reporting of inner-city heat areas look like?

# Simple Insights for the City of Tomorrow: Making the Invisible Visible

## We take care of data & analysis!

- ✓ Data acquisition / contracts
- ✓ DSGVO compliant data processing
- ✓ Data analysis
- ✓ Visualization of the results
- ✓ The presentation of the results

## Results are delivered as

- ✓ Interactive dashboard
- ✓ Report
- ✓ Management-Presentation



# Diverse Data Sources for High-Quality Analyses

## What data is brought by the DKSR?



### Daten Sharing Mobility:

- TIER (provider)
- NextBike (provider)
- Cambio (provider)
- LIME (provider)



### Vehicle fleet data:

- **Temperature, air (Mercedes)**
- **Danger points (Mercedes)**



### Motion data:

- Inrix (FCD) (provider)
- Invenium (provider)
- Telecom (provider)

## Which local sensor data can be fed in?



Weather



Buildings



Water



Environment

## What other local data is needed beyond that?



### Base maps:

- Base maps with essential urban indicators



### Vegetation data:

- Urban tree cadastre
- Green areas (geodata)



### Traffic data:

- Municipal traffic plan incl. existing/planned traffic routes

# Project Procedure - Get Started Directly and Become Active Against Summer Heat!

**1 Kickoff decision**  
Which subject area should be analyzed?

**2 Workshop**  
Identification of the most important analysis questions

**3 Data Acquisition**  
Real-time and static data

**5 Data analysis**

**6 Visualization** of results

**4 Presentation of interim results**  
Preliminary discussion of two detailed analyses

**7 Detail analysis**

**8 Presentation**  
Detailed analysis and final project including report

Optional: Adding  
Fraunhofer expertise

# Your Advantages Summarized

## No investment in infrastructure necessary

- No need to invest in your own data platform
- No long-term data or platform contracts
- No hidden costs

## Meaningful insights for your city

- Get specific analyses for your city
- Learn how to work with data using a concrete example
- Experience what information is contained in data about your city
- Determine your analysis questions according to specific, current challenges

## All-round service

- We securely get the data
- We store & analyze the data
- We take care of DSGVO compliance, data sharing contracts or data purchasing
- We provide the tools for the analysis
- Depending on customer needs, of course, release as an open source application

# Create added value directly now & receive bonus

- ✓ Virtual kickoff (2h)
- ✓ Connection, storage and analysis of data (max. 2 months)
- ✓ Analysis of up to **3 questions** from question pool
- ✓ Visualization of data as time series with overview of development of heat islands
- ✓ Evaluation of correlations with other data (e. g. buildings, trees)
- ✓ Visualization of results with short explanation

**Regular price**  
**14.900 €**

**BOOK NOW AND GET BONUS**

For the first 3 cities  
only  
**12.900 €**

Exkl. temperature data  
**20€/km**

# The City of the Future Relies on Data

How to discover the potential of your community?  
Arrange an initial meeting!



**Tim Cleffmann**

Use Cases & Business models

[cleffmann@dksr.city](mailto:cleffmann@dksr.city)

+49 151 2422 1053



**Fabian Landua**

Data analysis

[fabian.landua@dksr.city](mailto:fabian.landua@dksr.city)