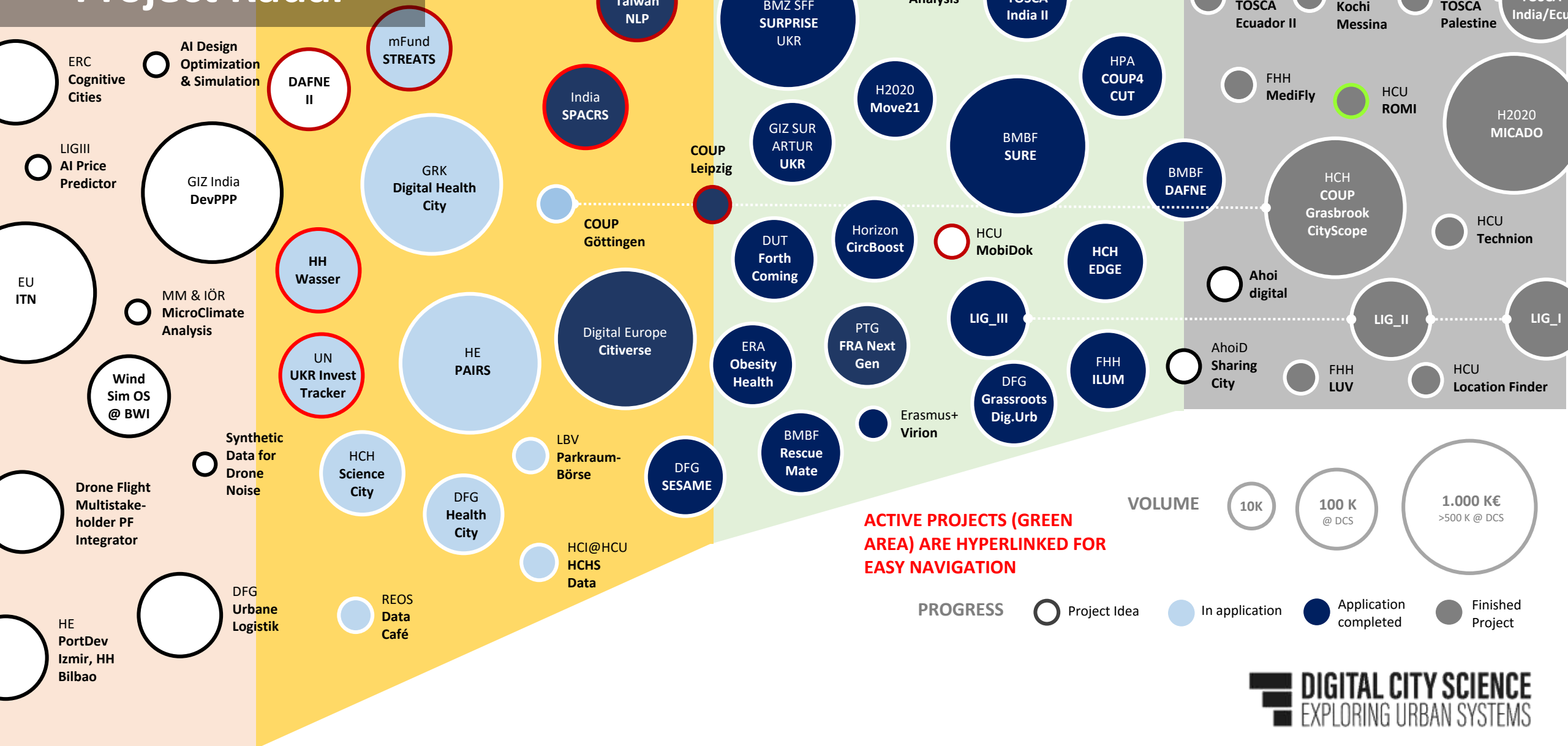
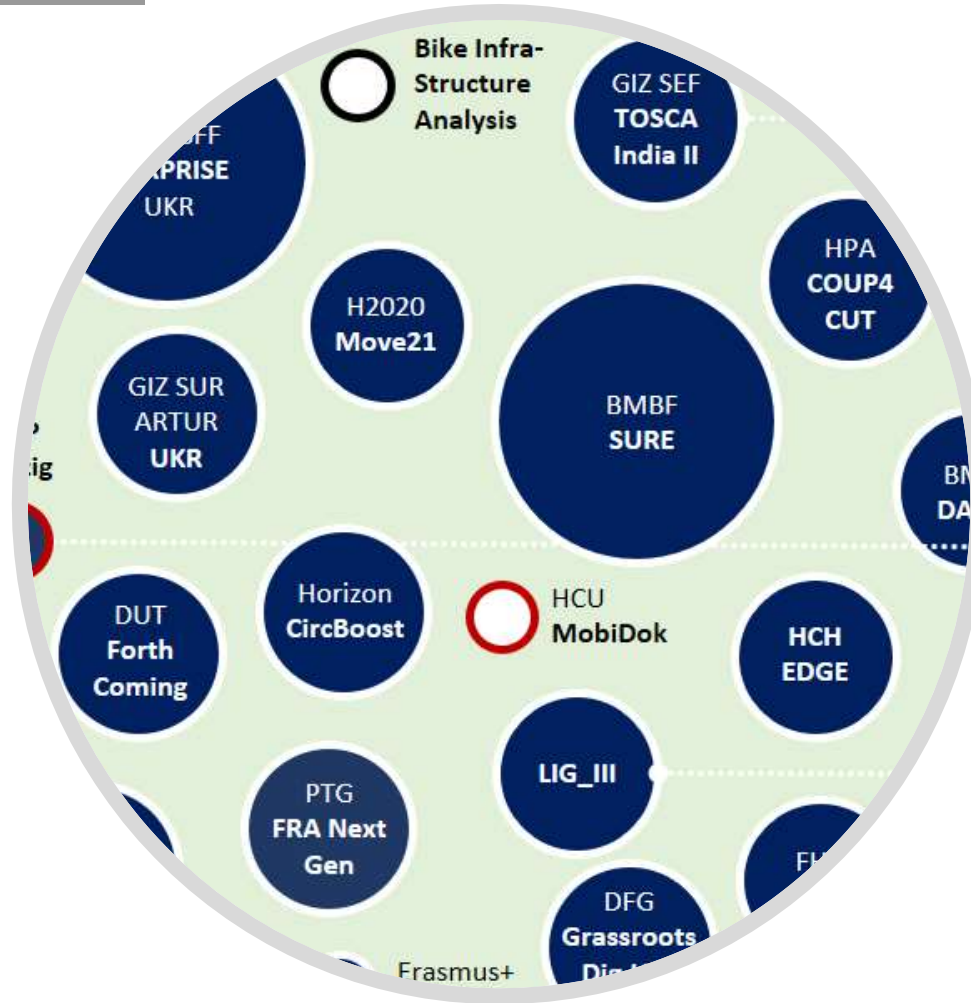


DIGITAL CITY SCIENCE

Project Radar



RUNNING PROJECTS



CUT PROTOTYPE Simulations in the Connected Urban Twin

Scope

Research Service, IT Development

Partner

HPA Port Authority of Hamburg

Content

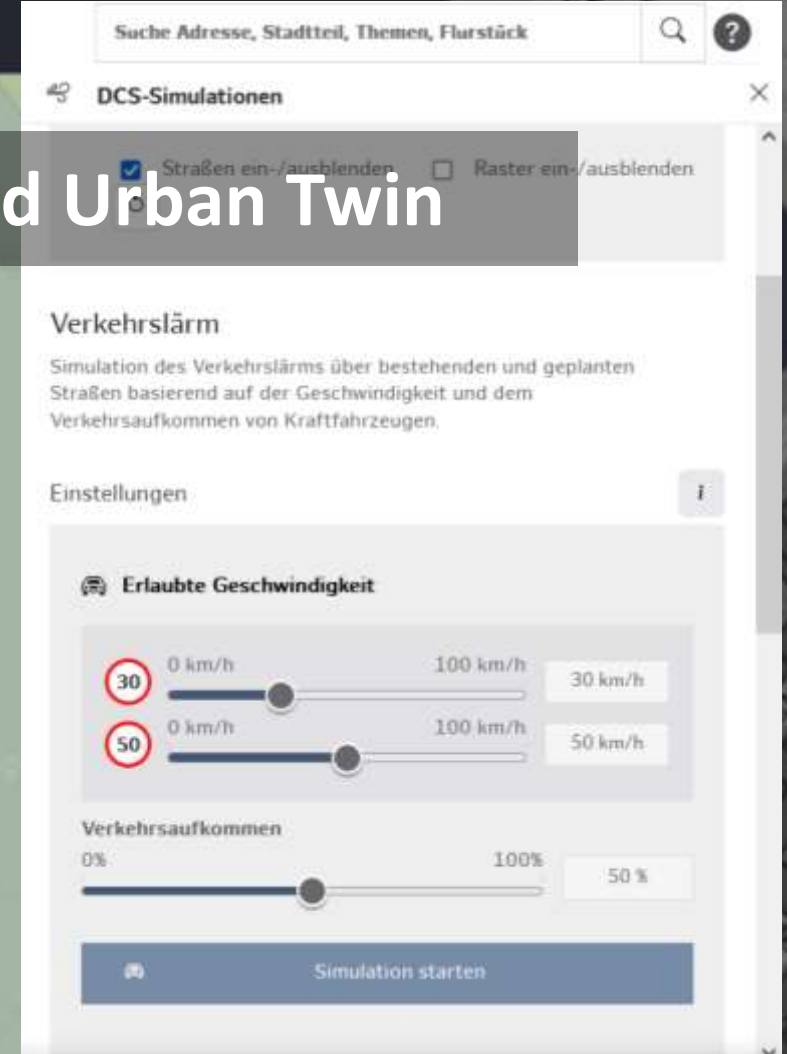
Integration of environmental simulation features for the digital twin of the port area of Hamburg within the Smart City Model project „Connected Urban Twin“ (CUT) of Hamburg; Provision of an API to import simulation results from COUP cityscope tool to the digital city model of the CUT.

Funding Source / Amount

HPA / CUT, 180 K€

Runtime

12/2022 – 11/2023



MOVE_21 Multimodal Microhubs

A background image of a city street scene. A white delivery van is parked on the right side of the road, with its rear door open. Two pedestrians are walking past the van on the left. The street is paved with cobblestones, and there are buildings and traffic lights in the background.

Scope: Applied Research

Partners: Cities of Oslo, Gotenburg, Hamburg, HCU a.o.

Content MOVE21 “Multimodal and interconnected hubs for freight and passenger transport contributing to a zero emission 21st century” introduces multimodal mobility hubs and microhubs designed to be shared between people and freight, in urban settings at different scales. The project demonstrates clean mobility solutions in different configurations and at different levels in six urban nodes on the Scan-Med TEN-T corridor: in the Living Labs of Oslo, Gothenburg and Hamburg, and through replication and two-way knowledge activities in Bologna, Munich and Rome.

Volume / Source: 5M€ (HCU 180K€), EU Horizon2020

Runtime: 05/2021-04/2025

[Back to Radar](#)

FNG Next Generation Frankfurt

Scope: Applied Research

Partners: Polytechnische Gesellschaft Frankfurt, HCU Hamburg

Content

The Polytechnische Gesellschaft in Frankfurt has requested HCU Digital City Science and TUD WISSENSARCHITEKTUR Lab to design and implement a novel participatory process for co-creating a future city vision for the city of Frankfurt – with special request for a groundbreaking digital campaign (UCODE tool).

Volume, Source: 70 K€ (170 K€ total)

Runtime: 2023-2024



DAFNE Data Fusion Generator for AI

Scope:

Fundamental Research

Partners:

HAW, TU Hamburg, TU Dresden, Leibniz Universität Hannover, Stroer, Sopra Steria

Content

The project "DAFNE Platform Data Fusion Generator for AI" (project coordinator HAW Hamburg) within the BMBF program "Generation of synthetic data for KI" develops a generator for the generation of large amounts of data as required for training AI algorithms but empirically not available. Digital City Science @ HCU leads the work package for the development and validation of smart city use cases.

Volume, Source:

1,3 M€ (HCU 230 K€), BMBF

Runtime:

12/2021-11/2023

Betreff: Synthetic Data

Datum: Thu, 21 Mar 2024 12:28:54 +0000

Von: Lukas Koch <koch@dksr.city>

An: joerg.noennig@hcu-hamburg.de <joerg.noennig@hcu-hamburg.de>



ERA4Health Improve Equity (IM_EQ)

Scope

Applied Research

Partners

TNO Leiden, University of Social Sciences (Poland), FISABIO Valencia, Koc University (Turkey)

Content

IMPROVE EQUITY stands for “Implementation of an Innovative Model for Policy Reform towards Obesity prevention”. IM-EQ will develop an innovative strategy to reduce health inequity in obesity prevention. Insight will be gained into the social and environmental contextual changes needed for citizens living in deprived neighborhoods to maintain healthy and active lifestyles.

Volume, Source:

350 K€ (Total 1,3 M€) EU ERA4Health

Runtime

04/2024 -03/2027

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DUT 15 min City

Scope

Applied Research

Partners

Ca. 10 European Partners, Lead: Madrid University

Content

Die HCU wird den Wissenstransfer für den Anwendungsfall in der Stadt Hamburg leiten, der den Wissenstransfer von 15-Minuten-Städte-Strategien zwischen dichten und kompakten städtischen Strukturen und städtischen Gebieten mit mittlerer und geringer Dichte ermöglicht. SWOT-Analyse von Lösungen für alle Partnerstädte entwickelt wird.

Volume, Source:

350 K€ EU DUT Driving Urban Transitions

Runtime

04/2024 -03/2027

DFG Grassroots Digital Urbanism

Scope

Fundamental Research

Partners

Humboldt Institute for Internet and Society (HIIG), Berlin

Hybrid Space Lab, Berlin

Content

The Walter Benjamin Program of the German Research Foundation funds fundamental research projects of young researchers. An individual research grant was awarded to Dr. Niloufar Vadiati for her proposed project “Grassroots Digital Urbanism: Reshaping urban space and governance in Berlin”.

Volume, Source:

120 K€, DFG Walter Benjamin Program

Runtime

09/2022-08/2024



[Back to Radar](#)

ILUM Innovative Air Mobility in Hamburg

Scope

Fundamental Research

Partners

TU Hamburg, Hamburg University, HSU, HAW DLR

Content

With an interdisciplinary and systemic perspective, the ILUM consortium explores the potentials of new air mobility in urban agglomerations. In the project which is structured like a graduate school, HCU Digital City Science supervises the work package on ground infrastructures. The project puts special attention on the sociotechnical impacts of the new forms of air mobility.

Volume, Source:

2 M€ (HCU: 179 K€), Hamburg Authority for Science and Education

Runtime

10/2020 – 12/2023



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SURPRISE Sustainable Urban Planning with Spatial Data Science

Scope

Applied Research

Partners

GIZ Ukraine

Content

SURPRISE = Sustainable Urban Planning and Resilient Reconstruction In Ukraine with Spatial Data Science". Digital City Science (DCS) will carry out a project focusing on the introduction of state-of-the-art planning methodologies and tools based on geospatial data and digital technologies, and the re-spective capacity building on the side of Ukrainian stakeholders.

Volume, Source:

397 K€ BMZ Special Expert Fund

Runtime

11/2023 -11/2024



ARTUR Approaches To Urban Resilience in Ukraine

Scope

Fundamental / Applied Research

Partners

GIZ Ukraine

Content

The HCU-led project ARTUR aims to prepare fundamental methodological approaches and conceptual instruments for the enhancement of urban resilience. Screening the state-of-the-art approaches and models for measuring urban resilience with special focus on digital tools and spatial data

Volume, Source:

250 K€ GIZ SUR

Runtime

11/2023 -11/2024



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EDGE Smart Building Data Hub

Scope

Applied Research

Partners

EDGE Technologies, HafenCity GmbH

Content

Goal of project is the set up of a data hub that collects, monitors and allows access to data from two EDGE smart buildings in the HafenCity, and their integration with other, additional data sources. These data shall be made accessible to relevant stakeholders in the neighborhood and urban context, in order to extract implications and knowledge that allow informed action and decision making.

Volume, Source

330 K€, 2021-2027, EDGE Technologies

Runtime

08/2021 – 07/2027

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CIRCBOOST Circular Solutions in Construction

Scope: Innovation Action, Applied Research, Transfer

Partners: 28 European institutions, coordinated by Universitat Politècnica de Catalunya

Content: Circ-Boost stands for “Boosting the uptake of circular integrated solutions in construction value chains”. The overall objective of the Innovation Action is to enable and demonstrate an increase in the large-scale uptake of integrated circular solutions (ICS) in European construction value chains demonstrated through five large scale pilots. Circboost partners will collect, process, create, and display data which will facilitate better recovery (especially reuse and high-quality recycling) of building materials during renovation and demolition and better use of recovered materials.

Volume, Source: HCU 190 K€ (7,9 M€ total), EU Horizon Europe

Runtime: 2023-2027



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VIRION Virtual Reality Applied to School Education

Scope

Applied Research, Academic Exchange

Partners

University Rey Carlos Madrid (lead); Tsar Simeon Veliki Secondary school Vidin; Lappeenranta Technical School, HCU Hamburg

Content

To invent the “future of the classroom” VIRION seeks new applications of VR in the school education sector. It will develop an educational portal using AI & VR Content and pilot the solution in all partner countries (schools and educational centers to be involved).

Volume, Source:

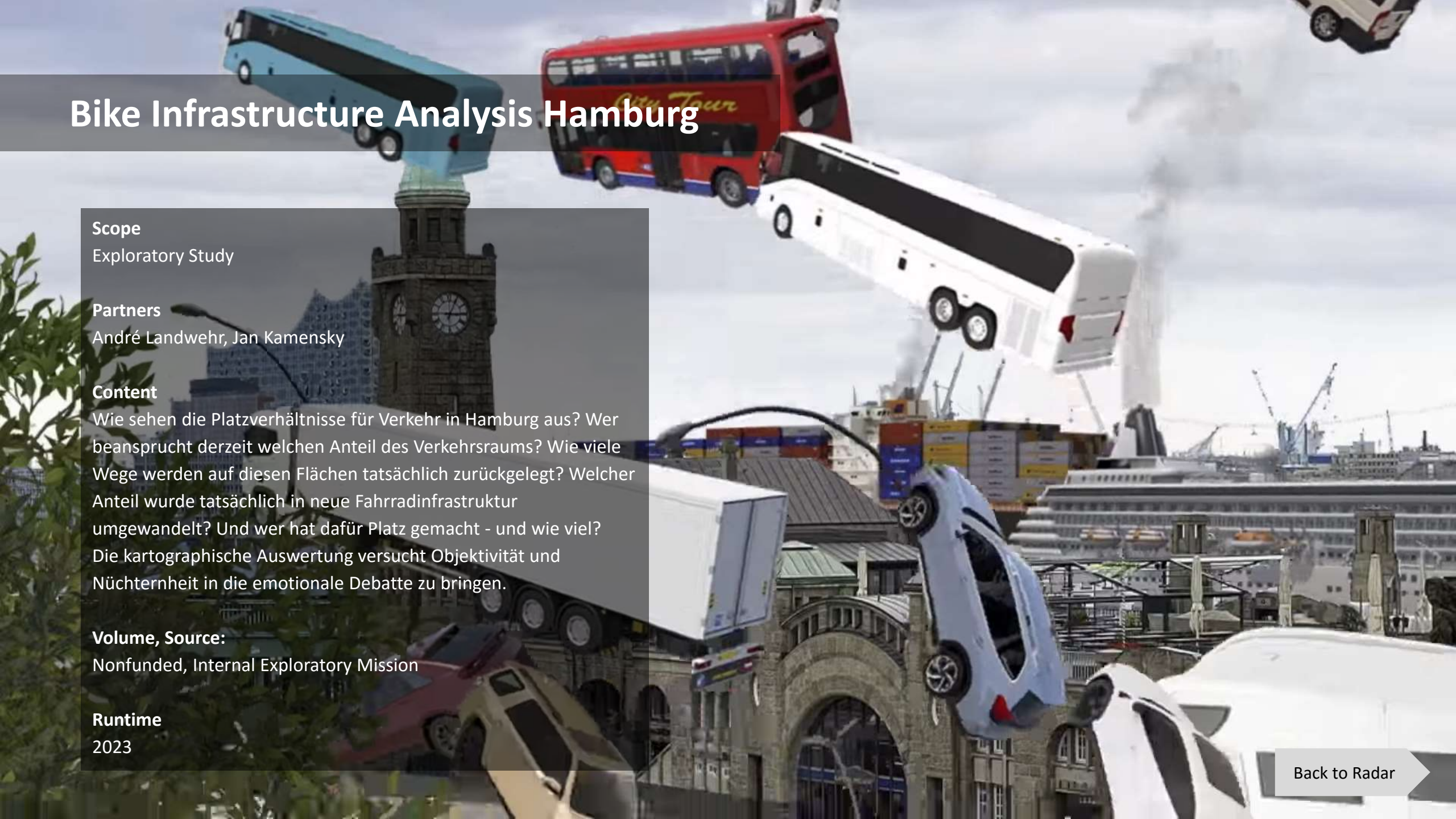
97 K€ (400 K€ total), EU Erasmus+

Runtime

02/2023-01/2025

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Bike Infrastructure Analysis Hamburg

A surreal image of a cityscape with cars and buses floating in the air, symbolizing traffic congestion or a lack of infrastructure. The background shows a city with a clock tower and industrial buildings with smokestacks.

Scope

Exploratory Study

Partners

André Landwehr, Jan Kamensky

Content

Wie sehen die Platzverhältnisse für Verkehr in Hamburg aus? Wer beansprucht derzeit welchen Anteil des Verkehrsraums? Wie viele Wege werden auf diesen Flächen tatsächlich zurückgelegt? Welcher Anteil wurde tatsächlich in neue Fahrradinfrastruktur umgewandelt? Und wer hat dafür Platz gemacht - und wie viel? Die kartographische Auswertung versucht Objektivität und Nüchternheit in die emotionale Debatte zu bringen.

Volume, Source:

Nonfunded, Internal Exploratory Mission

Runtime

2023

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Hamburg Bicycle Data Dashboard

Scope

Applied Research

Partners

DCS Team

Content

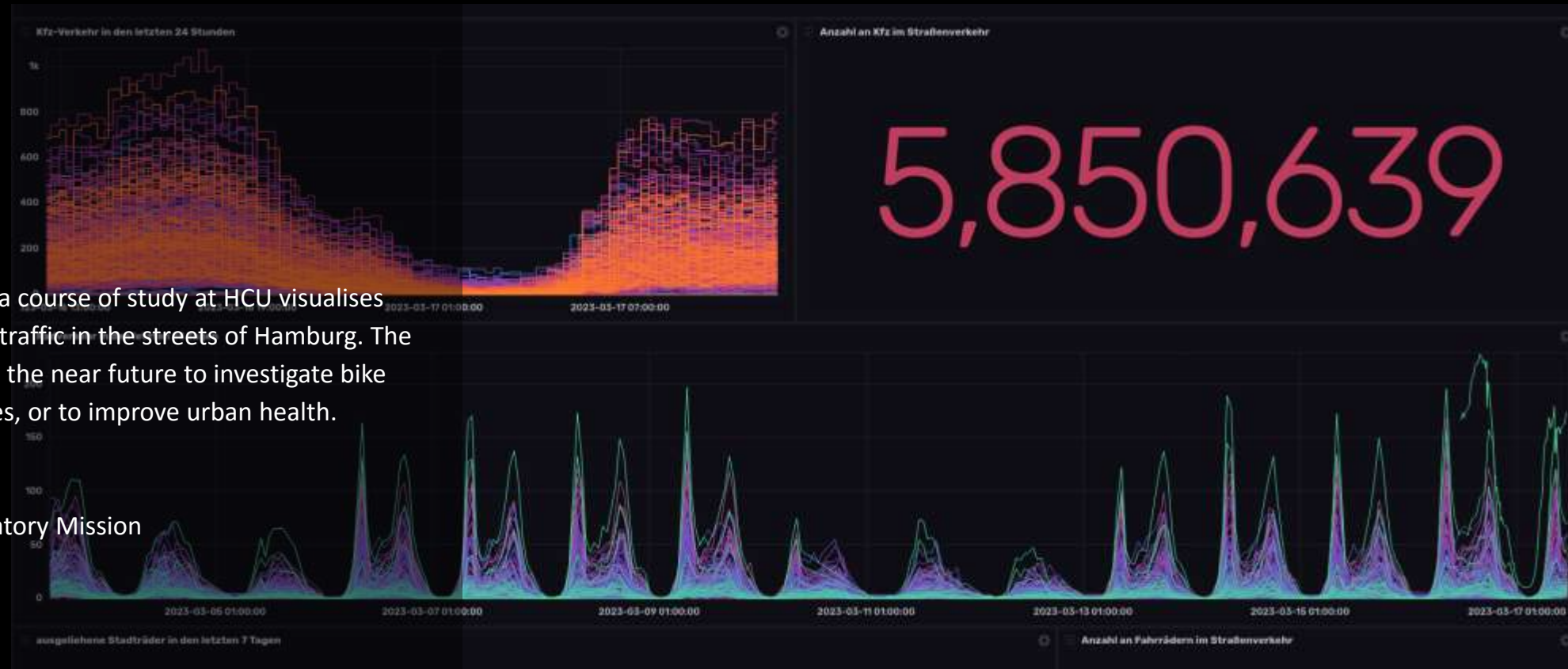
A data-pipeline built within a course of study at HCU visualises realtime data of the bicycle traffic in the streets of Hamburg. The data pipeline can be used in the near future to investigate bike accidents, to plan bike routes, or to improve urban health.

Volume, Source:

Nonfunded, Internal Exploratory Mission

Runtime

Since 2022



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RESCUE_MATE Situation Monitoring in Complex Crises

Scope

Applied Research

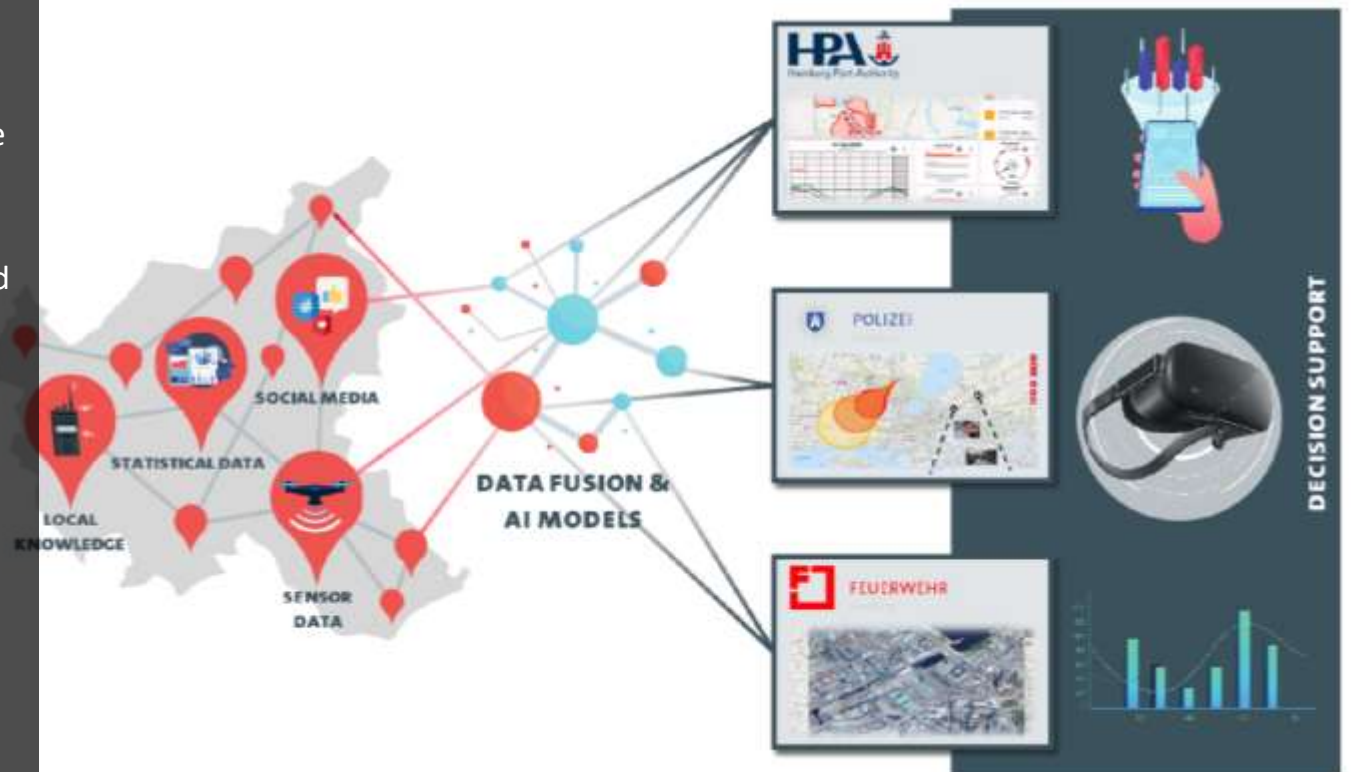
Partners

20+ partners, including University of Hamburg and Authority of the Interior Hamburg (Lead Partners)

Content: RESCUE-MATE stands for „Dynamische Lageerstellung und Unterstützung für Rettungskräfte in komplexen Krisensituationen“. Target of the large scale cooperation project is a dynamic situation monitoring and support of rescue forces in complex crisis situations. Unmanned air vehicles are used to survey in real time critical sites, information from which will be linked to geospatial and other data in order to safely navigate and coordinate emergency help by way of VR and AR solutions on the ground.

Volume, Source: 540 K€ HCU (9 M€ total), BMBF SiFo Life

Runtime: 10/2023 – 09/2027



MediFly Medical Air Transportation

Scope

Applied Research

Partners

BWI Authority for Economy and Innovation Hamburg

Content

The project MediFly explores the opportunities of new unmanned air mobility (UAM) for medical purposes – e.g. delivering medical probes or drugs quickly between local hospitals. In the project DCS @ HCU carries out a participatory campaign that is to test the attitude of the Hamburg citizenship and local stakeholders towards this new form of urban transportation.

Volume, Source:

60 K€, BWI

Runtime

07/2021 – 08/2022

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TOSCA Toolkit for Open City Planning and Analysis

Scope

IT Development, Consultation

Partners

GIZ German Association for International Cooperation, Projects „Sustainable Urban Development in India – Smart Cities“ (PN 2016.2077.2), „Sustainable Intermediate Cities in Ecuador“ (PN 2014.2160.1), GIZ Palestine

Content

In the cooperation project a modular and scalable hardware and software system was developed that supports urban development worldwide with an open source GIS platform. The system was piloted in the city Bhubaneswar / India and Latacunga / Ecuador.

Volume, Runtime, Source:

190 T€, 2019-2021 India / Ecuador; 120 K€ 2022-2023 Palestine

Status

Running

Pitch

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TOSCA India Upscaling of TOSCA in 4 Cities

Scope

Applied Research

Partner

GIZ German Association for International Cooperation

Content

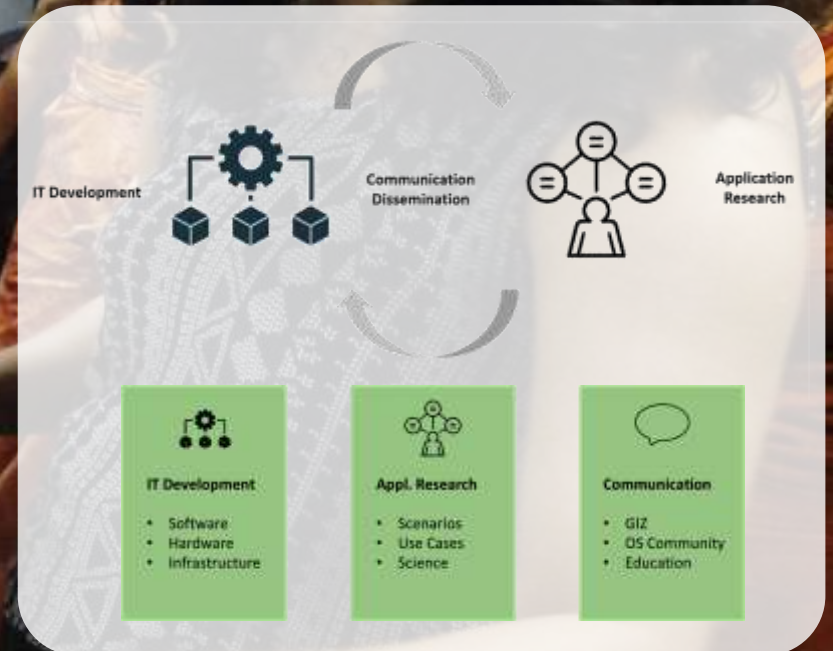
Following up on TOSCA's pilot application in the GIZ programme „Sustainable Urban Development in India – Smart Cities (SUD-SC) 2019-2021, the new cooperation foresees 1) the development of new functional modules, 2) the exploration of new use cases in the replication cities, and 3) capacity building measures in five Indian replication cities Kochi, Chennai,

Funding Source / Amount

Special Expert Fund (SEF) of BMZ / GIZ

Runtime

02/2023 – 01/2025



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COUP Cockpit Collaborative Urban Planning

Scope

Applied Research, IT Development

Partners

HafenCity Hamburg, GmbH, MIT Media Lab

Content

For the urban development of Kleiner Grasbrook district on the southern banks of Elbe River in Hamburg, the cooperation with MIT Media Lab and HafenCity Hamburg a.o. developed an interactive design analysis and decision support system to help urban planners and architects to optimize the spatial layout and environmental conditions of the new urban district.

Volume, Source:

720 K€, HafenCity GmbH

Runtime

06/2019-03/2023

Pitch

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SURE Sustainable Development of Urban Regions

Scope

Synthesis Research

Partners:

University of Applied Sciences Lübeck, TÜV Rheinland

Content

Im mit 28 M€ geförderten BMBF-Programm „Nachhaltige Urbane Regionen“ werden 10 Forschungsprojekte in Südostasien mit 147 Partnern projektübergreifend beforscht und begleitet. Kernidee des Projekts ist ein Synergie- und Transfermechanismus auf drei Ebenen: 1) in den einzelnen Projekten („Support“), 2) zwischen den Projekten („Mehrwert“) und über die Projekte hinaus („Impakt“). Digital City Science ist Lead Partner / Koordinator des Projekts.

Volume, Source

4,5 M€ (HCU 1,1 M€), BMBF

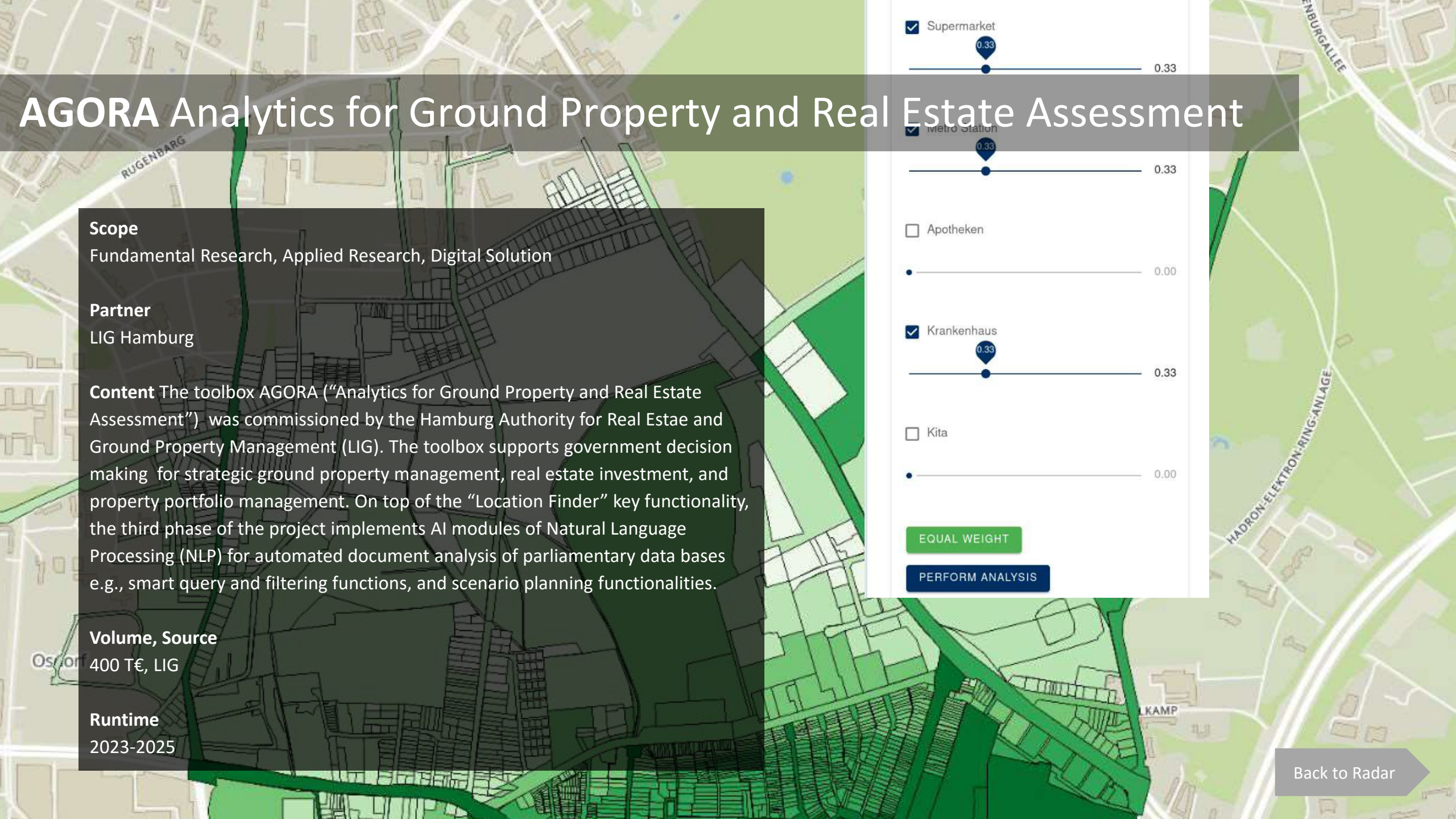
Runtime

2021-2025



Pitch

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AGORA Analytics for Ground Property and Real Estate Assessment

Scope

Fundamental Research, Applied Research, Digital Solution

Partner

LIG Hamburg

Content The toolbox AGORA (“Analytics for Ground Property and Real Estate Assessment”) was commissioned by the Hamburg Authority for Real Estate and Ground Property Management (LIG). The toolbox supports government decision making for strategic ground property management, real estate investment, and property portfolio management. On top of the “Location Finder” key functionality, the third phase of the project implements AI modules of Natural Language Processing (NLP) for automated document analysis of parliamentary data bases e.g., smart query and filtering functions, and scenario planning functionalities.

Volume, Source

400 T€, LIG

Runtime

2023-2025

☒ Supermarket
0.33
0.33

☒ Metro Station
0.33
0.33

☐ Apotheken
0.00

☒ Krankenhaus
0.33
0.33

☐ Kita
0.00

EQUAL WEIGHT

PERFORM ANALYSIS

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Sharing City College Graduate School for Data-Driven Cities

Scope

Graduate School

Partners Computer Science Departments of Hamburg University, Technical University Hamburg-Harburg, Hamburg University of Applied Sciences, and HCU

Content An initiative of Ahoi Digital, the computer science network of Hamburgs universities, “Sharing City College” is Hamburg’s Graduate School for Data-Driven Participatory Smart Cities. From HCU Digital City Science, Prof. Noennig co-supervises together with Prof. Bittner of Hamburg University the PhD project of Marten Borchers on AI applications in the smart city context.

Volume, Source:

20 M€, Free and Hanseatic City of Hamburg

Runtime

2021-2024



sharing.
city.
college

HAMBURG GRADUATE SCHOOL

Kick-Off

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Scope

Grundlagenforschung / Lehre / öffentlich

Partner

TUHH, HAW, Uni Hamburg, HCU

Inhalt

Die Hamburger Universitäten wollen ihre Digitalisierungs- und Informatik-Kapazitäten strategisch ausbauen. Strukturen und Projekte unter folgenden Themenlinien zu entwickeln:

- Cognitive Learning Systems
- Smart Systems / Cyberphysical Systems
- Information Governance
- Data Science

Umfang u. Laufzeit / Finanzierung

35 Mio. € / Stadt Hamburg, Bund

Runtime

2017-2022

ahoi.digital

MICADO Migrant Integration Dashboards and Cockpits

Scope

Applied Research

Partners

13 European Partners, lead: HCU Digital City Science

Content

In MICADO experts from public administration, migration research, and IT create an EU-wide applicable solution in support of migrant integration. Pilot cities are Antwerp, Bologna, Hamburg, and Madrid. The solution leverages existing and new data to design attractive digital services for three user groups: 1) public authorities for labour, health, education and housing, 2) engaged civic society, and 3) migrants and refugees.

Volume, Source:

4,2 M€, Horizon2020 Societal Challenges

Runtime

07/2018 – 06/2022

Pitch

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MOBIDOC / UNGESUND Unsicherer Gesundheitsdaten

Scope

Fundamental Research

Partner

Diverse HCU Professorships, Lead: Prof. Schiewe (Geoinformation and Geovisualisation) and Universitätsklinikum Hamburg-Eppendorf (UKE)

Content

The HCU incentive funding project „unGesund: Modellierung und Visualisierung unsicherer Gesundheitsdaten“ explores uncertainty of health data in the urban development. The target is a joint application of the partnership by a major research funding organisation, e.g. DFG.

Funding Source / Amount

HCU Incentive Funds, 30 K€ (Prof. Schiewe)

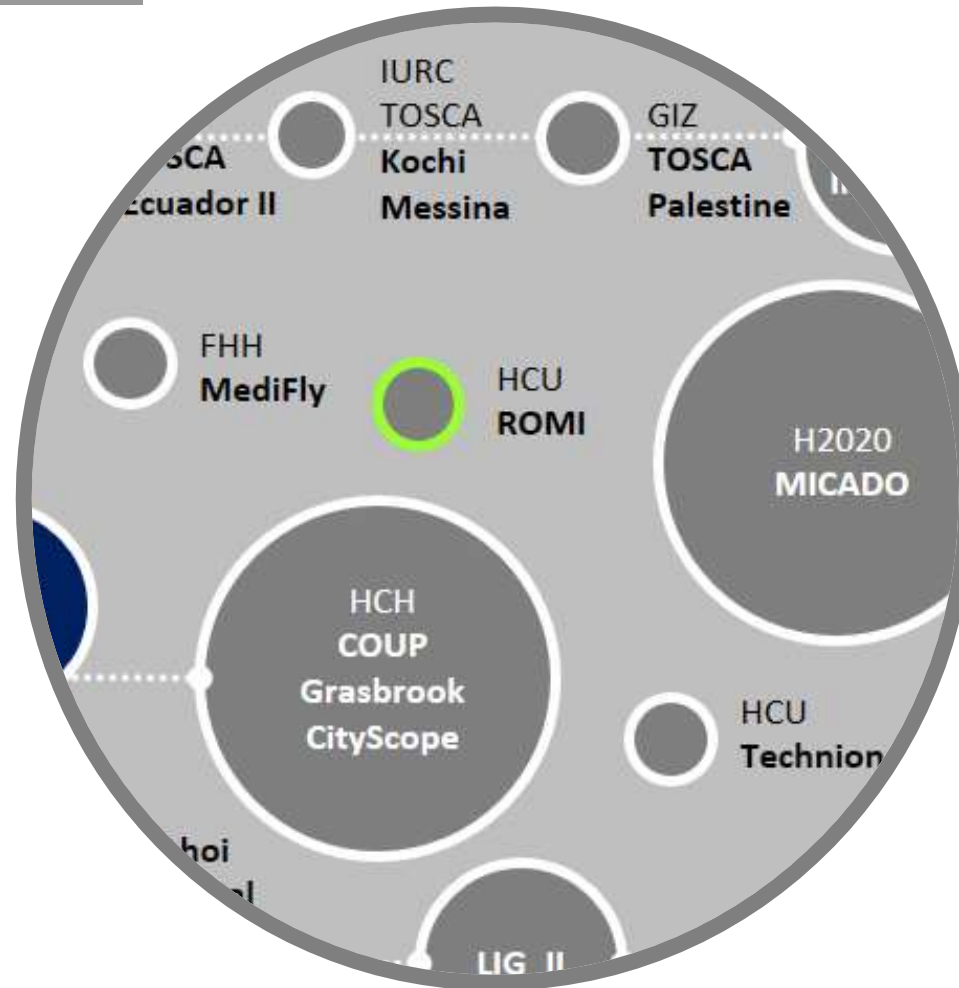
Runtime

10/2022-09/2023



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FINISHED PROJECTS



TOSCA Ecuador – Disaster and Evacuation Management

Scope

IT Development, Consultation, Capacity Building

Partners

GIZ German Association for International Cooperation „Middle Size Cities in Ecuador“

Content

In Cooperation with local GIZ and research partners (Instituto Cotopaxi), the TOSCA Toolkit will be used to support the disaster and evacuation management planning in the city of Latacunga, Ecuador, which is prone to volcanic eruptions of the active Cotopaxi volcano.

Volume, Source:

45 T€, GIZ Ecuador

Runtime

01/2023 - 12/2023

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TOSCA Palestine – Land Use Management Ramallah

Scope

IT Development, Consultation

Partners

GIZ German Association for International Cooperation, Al-Najah University Nablus

Content

In the project cooperation with the Palestine Ministry of Local Governments Land Use Governance and An- Najah National University in Nablus, the TOSCA Toolkit for Open and Sustainable City Planning and Analysis will be applied and adapted to participatory land use planning processes in the Westbank of Palestine.

Volume, Source:

121 T€, GIZ Palestine

Runtime

03/2022 - 01/2023



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TOSCA Flood Simulation in Kochi / Messina

Scope

Applied Research, IT Development, Consultation

Partners

Kochi city, Messina city, IURC International Urban and Regional Cooperation Programme of EU, C-HED

Content

In the project cooperation with the cities of Kochi (India) and Messina (Italy) the TOSCA Toolkit for Open and Sustainable City Planning and Analysis was applied for the purpose of flood simulation modelling of both coastal cities. Local sensor systems had been deployed by partners to access real time data as a basis for mapping and simulation.

Volume, Source:

EU IURC

Runtime

2022-2023



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ROMI Reallabor Offenes Modell

Scope

Fundamental Research

Partners

HCU Professorships Bögle, Schiewe, Ballestrem, Breckner, Mondino, Noennig

Content

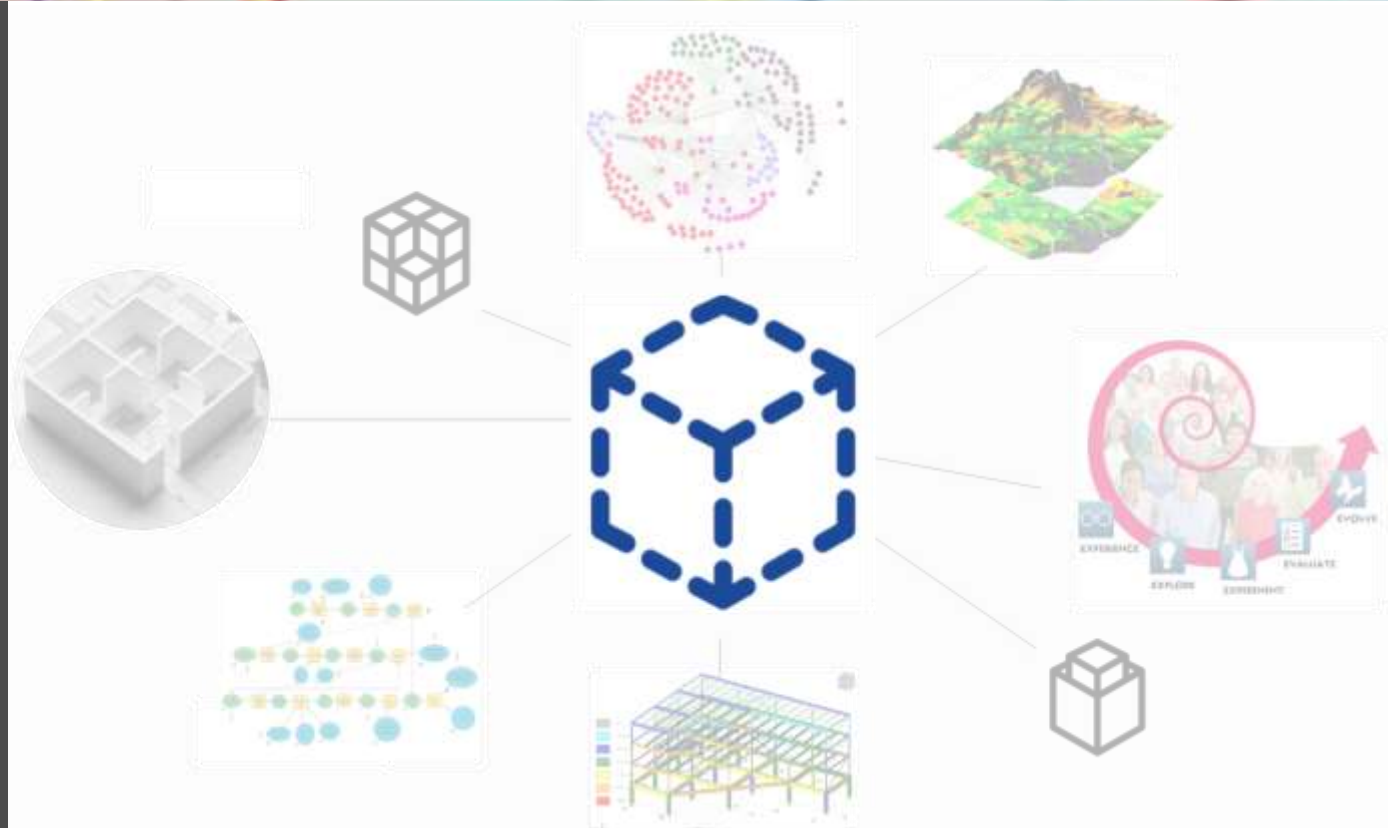
Im Projekt ROMI Reallabor Offenes Modell für interdisziplinäre Planung wird ein DFG Antrag erarbeitet, mit dem die wissenschaftlichen Grundlagen für ein (digitales) Modell erarbeitet werden sollen, dass die effektive und integrative transdisziplinäre Zusammenarbeit im Bereich Engineering / Design ermöglicht.

Volume, Source:

40 K€, HCU Incentive Fund

Status

2021-2022



LUV Strategieprozess für U_Spaces

Scope:

Angewandte Forschung

Partners:

BIW Hamburg, ca. 10 Partners

Content: LUV steht für „Lösungen und Handlungsempfehlungen für die nationale Umsetzung der U-Space-Verordnung – Entwicklung eines Strategieprozesses zur Akzeptanzförderung“. Entwicklung eines Verfahrens für die Beteiligung von nationalen Akteuren für die Ausweisung eines U-Space Luftraumes gem. Art. 18(f) U-Space VO und den für die Beteiligung einer betroffenen Gemeinde bzw. Gebietskörperschaft notwendigen vorausgehenden Strategieprozess. Fokus auf Bürgerbeteiligung und Förderung gesellschaftlicher Akzeptanz.

Volume, Source: 50 T€, Bundesanstalt für Verwaltungsdienstleistungen

Runtime: 02/2022-01/2023



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Put The Social on the Table @ Technion

A person is seated at a large, white, rectangular digital table in a virtual reality environment. The table's surface is a large screen displaying a 3D visualization of a coastal scene with a large rock formation and a smaller one in the distance. The person is looking at the screen, and a laptop is open on the table next to them. The background is a curved wall that also displays the same coastal scene, creating a fully immersive environment. The sky is blue with some clouds, and the water is a deep blue. The overall atmosphere is futuristic and high-tech.

Scope

Incentive Funding

Partners

Technion Israel Institute of Technology, Haifa

Content

HCU provides incentive funding for building up cooperative research with the Social Strategy Lab at the Israel Institute of Technology, Technion in Haifa. The project targets the creation of two cooperative DFG applications, and the establishment of joint long-term research ventures in the field of socio-spatial urban modelling.

Volume, Source:

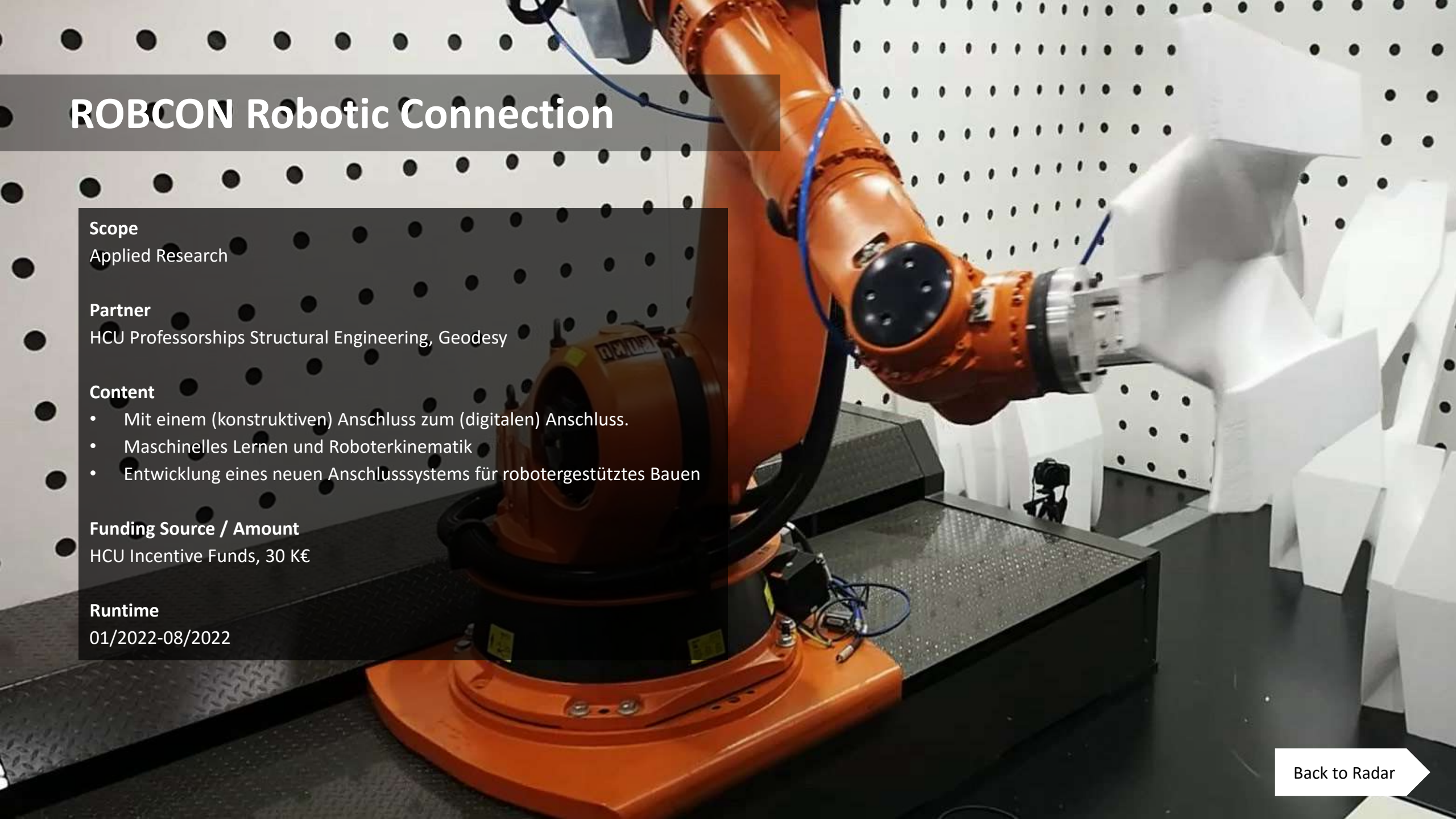
40 K€, HCU Incentive Funding

Runtime

2021-2022

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ROBCON Robotic Connection



Scope

Applied Research

Partner

HCU Professorships Structural Engineering, Geodesy

Content

- Mit einem (konstruktiven) Anschluss zum (digitalen) Anschluss.
- Maschinelles Lernen und Roboterkinematik
- Entwicklung eines neuen Anschlusssystems für robotergestütztes Bauen

Funding Source / Amount

HCU Incentive Funds, 30 K€

Runtime

01/2022-08/2022

[Back to Radar](#)

LIG II Text Analysis for Ground Property Management

Scope:

Angewandte Forschung

Partner

LIG Hamburg

Content

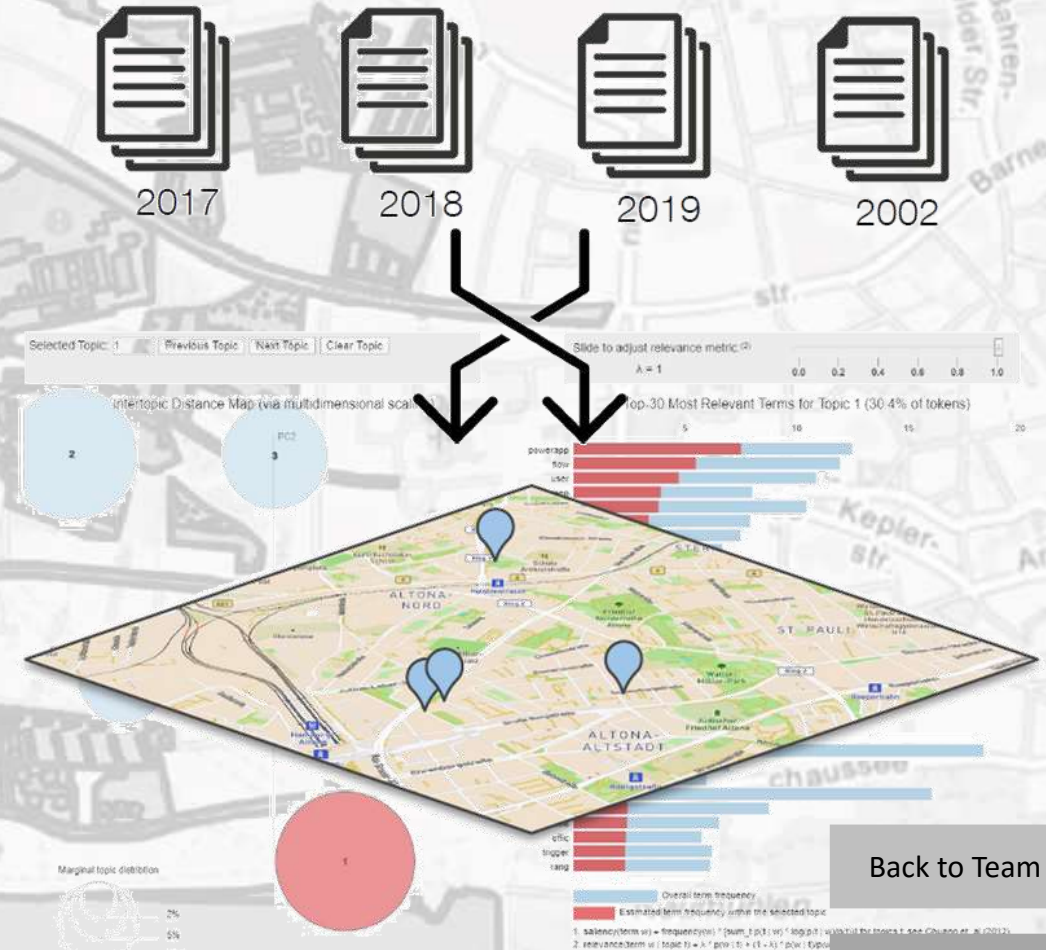
Idee des Kooperationsprojektes ist die Etablierung eines Diskursmonitorings anhand automatisierter Text- und Sentimentanalyse zur Unterstützung des strategischen Flächenmanagements im LIG. Automatisierte Textanalyse von z.B. Dokumenten aus der Parlamentsdatenbank wird dafür gekoppelt mit einer Geo-Verortung auf der Grundlage der im Text gefundener Ortsbezeichnungen (Abgleich mit z.B. Adressdatenbanken). Die automatisierte Auswertung von Texten hat das Ziel, eine geäußerte Haltung als positiv oder negativ zu erkennen

Volume, Source

430 T€, LIG

Runtime

2021-2023



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LIG_I Flächenmanagement Tool LIG_Finder

Scope

Angewandte Forschung

Partner

Landesbetrieb Immobilienmanagement und Grundvermögen

Content

Cooperative development of an interactive GIS tool for intelligent ground property management of real estate with central functionalities such as data-based location analysis and decision-making in support of strategic planning in the city of Hamburg.

Umfang / Finanzierung

400 T€, LIG

Runtime

2019-2021

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C4P Cities for People

Scope

Applied Research

Partners

13 European Partners, lead by Copenhagen Business School

Content

C4P develops and tests new approaches for community-driven sustainable mobility innovations at neighbourhood and urban district level. C4P aims to implement a pilot program running at five urban and peri-urban areas where citizens, city authorities and innovation experts will work together as 'communities' to define the transport and mobility challenges and priorities that interest them, co-design ideas and concepts, put these concepts to the real test and then scale up those more potent.

Volume, Source

4 M€, Horizon2020

Runtime

2018-2021



Pitch

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CLEVER Co-Design of Nature-based City Solutions

Scope

Applied Research for Smart Cities and Communities

Partners

34 European Cities, lead by Hamburg Senate Chancellery

Content

CLEVER Cities applies a city centric approach, starting by key urban regeneration challenges and employing strong local partner clusters, to foster sustainable and socially inclusive urban regeneration locally, in Europe and globally. The project will co-create, -implement, and -manage locally tailored NBS to deliver tangible social, environmental and economic improvements in urban regeneration.

Volume, Runtime, Source:

12,5 M€, 5 years, Horizon2020 Smart Cities and Communities

Status

Started in July 2018

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GIZ Integrated Urban Development in Ukraine



Scope

IT Development, Consultation

Partners

GIZ German Association for International Cooperation, Project ISU „Integrated Urban Development in Ukraine“

Content

In the Ukraine, mid-size cities have been selected as pilots and test grounds for the application of integrated urban development policies. Digital City Science supports the GIZ with interactive planning tables, and demonstrated them on an exploratory mission in April 2018.

Volume, Source:

40 K€, GIZ

Runtime

2018-2019

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Port City Model

Scope

Applied Research

Partner

HPA Hamburg Port Authority

Content

Establishment of a comprehensive model for port cities with cruise business and utilisation for port stakeholder communication and innovation ecosystem. Comprising three conceptual layers: Physical structures, Digital infrastructures, Workflows Operations.

Umfang u. Laufzeit / Finanzierung

Tbd, BMVI Innovative Hafentechnologien IHATEC

Status

Accomplished

Pitch

Back to Radar

Location Finder

Scope

Applied Science

Partner

GIZ Integrated Urban Development Ukraine

Content

As an offspring of the “Finding Places” project at HCU, a more general location finding algorithm was developed and implemented on a interactive table based on downlight projection. The project as presented at the Expo Real and lead to subsequent missions in the framework of the GIZ programme “Integrated Urban Development in Ukraine”

Umfang / Finanzierung

20 T€

Runtime

2017-2019



Urban Data Hub (UDH) Hamburg

Scope

Applied Research, IT Development

Partner

LGV Hamburg State Agency of Geoinformation and Surveying

Content

Collaborative conceptual and technical development of the Hamburg Urban Data Platform and related scientific and technical services, in order to manage and exploit urban data sources in the city of Hamburg.

Funding Source / Amount

City of Hamburg, 500 T€

Runtime

08/2017 – 12/2021

DIPAS Digital Participation System

Scope

Applied Research, IT Development

Partner

BSW Hamburg Authority for Urban Development and Housing, LGV Hamburg
State Agency of Geoinformation and Surveying

Content

Collaborative development of a digital participation system for public urban planning in Hamburg, combining online participation with interactive co-creation devices (touchtables) for local workshops.

Funding Source / Amount

City of Hamburg, 1,6 M€

Runtime

09/2017 – 12/2020

Städtebau und Architektur

Verkehr und Mobilität

Natur und Freiraum

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