Labdoo Conference Duisburg 2018

Come share your ideas to spread education around the world!

- Day 1: Conference Day, Saturday November 24th, 2018 | Time: 08:30 CEWT |
- Day 2: Workshop Day, Sunday November 25th, 2018 | Time: 09:00 CEWT |
- Entry fee per day: 20 Euros, for both days: 40 Euros | for students and under 18 years: 12 Euros per day
- Reservation: attendees need to register online by filling in this form as there will be limited physical seats (credit card required) https://registrationarea.com/labdooconferenceduisburg2018
- Location: Tectrum - Technologiezentrum, Bismarckstr. 120-142, D 47057 Duisburg (Neudorf)
  GPS coordinates: 51.43052, 6.78855 | Gmaps | http://www.tectrum.duisburg.de/tectrum/kontakt/anfahrt/anfahrt.php
- For those that are not present at the event, the conference will be streamed via YouTube. Please visit www.labdoo.org.
- International sessions with Schools and Hubs around the world can connect via videoconference through this channel:

  YouTube https://www.youtube.com/playlist?list=PLtGfy5_i_VB4CSPDKieZVrZUENLv7p8av
  Pictures https://photos.app.goo.gl/br9ASuuKRtAE1acm8
  Presentations (PDF)
  http://ftp.labdoo.org/download/documents/german/Konferenz_2018/Vortr%c3%a4ge/

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15770 Dootronics tagged   10901 Delivered   1300 Schools   427968 Students   257 Hubs   234812 Kg CO2 saved   126 Countries

Agenda - Conference Day 1, Saturday November 24th

8:30 → 9:00	**Pick up of registration badge and conference reception**
9:00 → 9:10	**Welcome:** **- Volker Mosblech , Bürgermeister der Stadt Duisburg	Mayor of Duisburg** **- Ralf Hamm, Hub Rhein-Ruhr, head of Labdoo.org (Germany) and conference hoster**
9:10 → 9:30	**Jordi and Elena will make a presentation on "Spreading Education Around the World: Origins and Future Directions".** **- Jordi Ros, Founder of Labdoo.org	Elena Parpal, Labdoo Hub Barcelona**
9:30 → 09:50	**Ute Brüggemann / Petra Hoffmann, Wirtschaftsbetriebe Duisburg / Waste Management Company Duisburg** **"IT academy - a sustainable project for schools at Duisburg", by Wirtschaftsbetriebe** Why a disposal company prefers not to dump computer	IT academy for pupils - all about resources, repairing and learning
09:50 → 10:05	**Ralf Hamm, Labdoo.org (Germany / Hub Rhein-Ruhr)** **"Welcome at Duisburg and hub Rhein-Ruhr - a town / a region supports Labdoo, Labdoo supports a town / a region"** Based on examples and project partners from Duisburg, it will be shown how a town can contributing to Labdoo and Labdoo can help a town. City of Duisburg, business development, waste management, companies, citizen foundation, Volksbank, Refugees, schools, pupils, citizens and many more are contributing.
10:05 → 10:25	**Ralf Hamm, Labdoo.org (Hub Rhein-Ruhr)** [*] **"What's new? Discover new software, possibilities, educational content, how to run Windows or a server on any labdoo computer"** What's new with Lubuntu 18.04 LTS?	Free educational content, where to find it, how to install and use it	Ready-to-use Images for Cloning	How to run Windows on a Labdoo laptop (VirtualBox, Wine)	Use any Labdoo computer as a network server and more
10:25 → 10:50	**Tim Pfenner, Center for Advanced Internet Studies (CAIS)	Frederik Bachmann and Niels Kunz, CAIS & NextGenerationAfrica.org**

Most Malawian secondary schools face a severe lack of books and other material like chemical substances. At the same time, the internet is too expensive & unreliable to be used for learning. Nonetheless, the „Digital Libraries in Malawi" project is driven by the conviction, that digital means open up new chances regarding the shortage of educational content.

The solution is: Using mini servers which provide content for education offline, so called Digital Libraries. From client devices, e.g. Labdoo laptops, students and teachers can access the material. To implement these ideas CAIS supported the pilot phase. CAIS is a research college. It explores the social, political and economic challenges posed by digitisation. Scientists carry out their projects at CAIS in an inspiring environment. Always in a lively exchange with other perspectives.

Recently, the pilot phase for this project was finished. How useful was the project to the pilot schools? How do digital means change teaching and learning? And how can we make it more effective, while also ensuring sustainability? In our talk, we will shine a light on these questions.

10:50 → 11:30	**Coffee break, networking**
11:30 → 11:45	**Ulrich Egger, Labdoo Hub Bonn (Germany)** (*) **"Labdoo on a Raspberry Pi"** - Installing and running Labdoo on a Raspberry Pi | Comparison Raspberry Pi Zero W versus Raspberry Pi 3B | Lessons learned | Building a complete system out of a Pi and a mobile phone
11:45 → 12:10 **Incl. Video Session Edoovillage Kenya**	**Ulrich Meyer-Berhorn, Humanitas-Activa e.V. / Hub Bonn and Oscar, Director UJUZI Professional school at Diani, Kenya** **https://www.labdoo.org/content/kenya-ukunda-computer-school-diani-all-and-also-handicapped-young-people-humanitas-activa-0** Online session Meet & Greet edoovillage Diani Beach, Kenya | How Labdoo made a difference at our school project at Diani, Kenya
12:10 → 12:30	**Thomas Wagner, Labdoo.org (Hub Rhein-Ruhr)** (*) **"Labtix installation tool | 3D printer - a useful tool to produce missing spare parts"** An overview about the Labtix installation tool, 3D printing technology - software and hardware needed, the process from CAD design to generating printer code up to printing the spare-part, investments, technical limitations, Labdoo-related examples and use cases, tipps & tricks.
12:30 → 13:00	**Frank Geisler, Labdoo.org (Switzerland and Hub Zürich)** (*) **"PXE - server based installation of images"** A fast way to install Labdoo images for cloning from a server
13:00 → 14:00	**lunch break, networking**
14:00 → 14:25	**Daniel Büchle, AfB gGmbH** Added value for Labdoo in terms of data destruction and logistics processes through collaborations with professional IT refurbishers A professional IT refurbisher can assist Labdoo with logistics, storage, data destruction and spare-parts through certified processes. This is a prerequisite for many companies to donate devices to Labdoo. For this reason, Labdoo Germany has been successfully cooperating with the non-profit company AfB for many years. www.afb-group.eu

14:25 → 14:55	**Peter Holtkamp, Municipal accommodation for refugees in Oberhausen** Labdoo as a solution for refugees and integration in Germany	Experience made, chances and setbacks
14:55 → 15:15	**Ralf Hamm, Labdoo.org (Germany and Hub Rhein-Ruhr)** (*) Lessons learned	Logistic	Partners and projects	Donations	Association	Google Ads and Analytics	Solutions	TU Berlin Comparative Life Cycle Assessment
15:15 → 16:15	**Coffee break, networking**
16:15 → 16:45	**Round table discussion - project partners and dootrippers** Requested: Ulrich Meyer-Berhorn (Kenya), Martin Juda (5 countries, 10 edoovillages), Donaly Malungu (5 countries in Africa), Hr. Acheampong (Ghana Cargo), Frank Wardenberg (Hub Bremen), Andreas Woitschützke (Tanzania); moderated by Jordi Ros and Ralf Hamm Reports from dootrips around the world	Experiences made, suggestions what to improve, feedback from projects
16:45 → 17:15	**Jordi Ros, Founder of Labdoo.org** The Labdoo portal - how to use it, best practise
17:15 → 17:30	**Concluding Remarks and introducing Labdoo Conference 2019	Closing of the Conference Day**
18:00 → 20:00	**Optional: Visiting the Christmas Market Downtown Duisburg** About 20 minutes walk from conference area
20:00 → …	**Optional: Dinner (to join register asap, 50 limited seats)	restaurant "Cafe am Museum", Friedrich-Wilhelm-Straße 64a, 47051 Duisburg** https://cafe-museum-du.de/**; costs have to covered by each attendee**

(*) = Topic part of a detailed workshop on Sunday

Agenda - Workshop Day 2, Sunday November 25th

09:00 → 09:30	**Pick up of registration badge and workshops reception**
09:30 → 11:00	

Workshop (Session 1)
Labdoo will offer various info points, where Labdoo experts and helpers will inform you. As we expect small groups per infopoint we did not prepare a fixed schedule. Here are the topics, we prepared for you. At each half and full hour a new session will start.

Room 1:
"3D printer - how to use them best" by Thomas Wagner, Hub Rhein-Ruhr
An introduction into 3D printing technology - software and hardware needed, the process from CAD design to generating printer code up to printing the spare-part, investments, technical limitations, Labdoo-related examples and use cases, tipps & tricks.

"Tipps, tricks, problems, tools, driver, hardware and software - problems and how to solve them :)" by Thomas Wagner, Hub Rhein-Ruhr
Learn more about VirtualBox and Wine - two ways to run Windows or other OS on a Linux / Labdoo computer. Or how to set-up a server on any Labdoo computer.

"Labtix, various installer and PXE - solutions for a fast installation of Labdoo laptops", by Frank Geisler, Hub Zürich | Thomas Wagner, Hub Rhein-Ruhr | Javier Prieto, Hub München et.al.

Room 2:
"Labdoo on a Raspberry Pi - How to install, maintain and run it" by Ulrich Egger, Hub Bonn
Installing and running Labdoo on a Raspberry Pi | Lessons learned | Building a complete system out of a Pi and a mobile phone

"How to connect tablets or mobile phones to a Labdoo laptop and how to share educational content to mobile devices" by Daniel Neumann, Hub Rostock

Conference area:
"Best usage of our web-portal www.Labdoo.org" by Jordi Ros, Hub Barcelona

"Educational software and content, What is free available?, Where to find it?, How to install it?, How to run Windows on a

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Linux laptop?" by Ralf Hamm, Hub Rhein-Ruhr

"Best practices and lessons learned by hub Rhein-Ruhr" by Ralf Hamm, Hub Rhein-Ruhr
How to organize and finance the growth of a Labdoo hub? How to set-up a charitable association? How to collect financial funding or solve logistics / stock? How to find edoovillages and dootrippers?

Visit several info points to learn about useful tools, spare-parts and how to install them and info points, where you can use installed Labdoo laptops in English, Spanish, French and a special solution for refugee integration and language courses.

We set-up a copy-station, where you can bring in your 1 TB-disc drive (external USB HDD) and copy the latest images for cloning and educational content (OER) to your disc.

Time	
11:00 → 11:30	**Coffee break**
11:30 → 13:00	**Workshop (Session 2)** **Refer to topics, same as in session 1**
13:00 → 14:30	**Coffee / Lunch break**
14:30 → 16:00	**Workshop (Session 3)** **Refer to topics, same as in session 1** **Visit the info points, Final discussion, Q&A, Concluding Remarks, end of the workshop day and of the Labdoo conference 2018** **For members of the Labdoo.org e.V. (Germany) only:** **Jahreshauptversammlung des Labdoo.org e.V., Tagesordnungspunkte gemäß der vorliegenden Einladung**
16:30 → 19:00	**Optional (only if booked; 20 € costs , max. 34 attendees): bus shuttle to Landschaftspark Nord, guided tour through the industrial monument (groups guided in German and English language; special tour for chair wheel drivers); return to downtown Duisburg https://www.landschaftspark.de/en/**
19:30 → …	**Optional: Dinner | Brewery / Brauhaus Webster https://www.webster-brauhaus.de/;** Dellplatz 14, 47051 Duisburg, **costs have to covered by each attendee; please register so we can reserve tables**

Frederik Bachmann, CAIS / NextGenerationAfrica.org
Frederik Bachmann is co-founder and team member at the charity Next Generation Africa e. V. In 2016, he started the "Digital Libraries in Malawi" project with his colleague Niels Kunz. The goal is to overcome the material shortage at Malawian schools with the help of mini servers which provide educational contents offline. After finishing secondary education in 2017, he and his colleague received a research fellowship at the Center for Advanced Internet Studies (CAIS) in Bochum, Germany, allowing them to scientifically prepare and evaluate the pilot project on Digital Libraries. As of October 2018, Frederik Bachmann is studying Politics and Political Economics at the University of Heidelberg.

Daniel Büchle studied Business Administration at the Duale Hochschule Baden-Württemberg in Karlsruhe. During his dual study he actively participated in the development of the AfB-Group. Since he finished with a Bachelor of Arts in 2006, he has been working for AfB. From 2009 to 2013 he was managing director of AfB in Nordrhein-Westfalen. Since 2013, he is responsible for Sales, CSR and Communication as managing director of AfB Germany.

Frank Geisler grew up in Germany and works in the IT industry since 1979. He studied Informatics and Mathematics at the University of Karlsruhe and has vast experience in computer hard- and software including programming and development. After managing successful sales and services partnerships of well known brands such as Commodore, MRO (IBM) and SAP he now acts as CEO of ERPsourcing, a hosting/outsourcing partner and VAR of SAP Switzerland. Frank joined the Labdoo movement early 2012 and coordinates all Swiss Labdoo activities. He lives with his family in the agglomeration of Zurich, Switzerland. Frank's Labdoo movement in Switzerland has delivered laptops to more than 80 schools.

Ulrich Egger is a trained physicist and enjoyed many years developing new electronic devices in large international groups. He joined Labdoo when Dr. Friedrich Lange set up a computer room with Labdoo computers in a refugee center in 2016. He very much enjoyed to work with these young man and women, many eager to learn and use open source software. Making his first steps into the digital world on a Commodore 64, he is happy to explore the benefits and possibilities of Raspberry Pis, very affordable and robust single board computers for the generation of tomorrow.

Tim Pfenner is Executive Director of the **CAIS** Center for Advanced Internet Studies GmbH. He studied law at the University of Münster and completed his legal clerkship in the district of the Higher Regional Court of Hamm. After graduation he worked at the Ruhr-University Bochum. He is a lecturer at the University of Applied Sciences for Public Administration NRW.

Ralf Hamm is together with helpers and partners of the Labdoo Hub Rhein-Ruhr hoster of the Labdoo conference 2018 at Duisburg.
He worked in the IT industry for more than 35 years, founded software companies in Germany and Switzerland.
Ralf retired in 2007 and founded 2012 **Labdoo (Germany)**, the **hub Rhein-Ruhr** and the charitable association **Labdoo.org e.V.** Germany and the Ruhr area is an important contributor to Labdoo project. 50 % of TI donations, edoovillage support and dootrirps have their origin here.

Niels Kunz, CAIS / NextGenerationAfrica.org
Niels Kunz is co-founder and team member at the charity Next Generation Africa e. V. In 2016, he initiated the "Digital Libraries in Malawi" project with his colleague Frederik Bachmann. The aim is to overcome the shortage of material at Malawian schools, using mini servers which provide educational contents offline. After finishing secondary education in 2017, he and his colleague received a research fellowship at the Center for Advanced Internet Studies (CAIS) in Bochum, Germany, allowing them to scientifically prepare and evaluate the pilot project on Digital Libraries. As of September 2018, Niels Kunz is studying Politics, Philosophy and Economics at the University of Utrecht.

Ulrich Meyer-Berhorn, Co-Founder of **Humanitas-activa e. V.**, is active in establishing Kindergarten and School with Montessori paedagogic. The main focus is UJUZI, a Vocational Training Institute for Computer / IT. Students can study also Tailoring, Hairdressing, soon Welding and Carpenter. His Engagement is very close to labdoo. Starting from 2019 the UJUZI Vocational Training Institute will be a hub for Labdoo-Volunteers in Ukunda near Diani Beach / Kenya. Contact via info@humanitas-activa.de
Uli is Senior Project Manager for Transformation within the department Center for Strategic Projects of Deutsche Telekom and also Leader of the Workers Council.

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1.091.894 is the number of refugees who were registered in Germany in 2015. Nearly 890.000 asked for asylum in 2015, 280.000 in 2016 and 180.000 in 2017. The integration of this people is a very big challenge for the whole German society.

Angelika Mummelthey and **Peter Holtkamp** care for refugees. While Angelika works as location manager in refugee camps, Peter as a volunteer teaches math and offers vocational integration through IT courses, using Labdoo IT donations. Labdoo is one of the partners who helps in integration of refugees from 17 nations in Oberhausen.
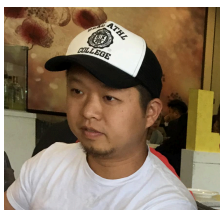

Jordi Ros-Giralt is founder and the software developer of the humanitarian social network Labdoo.org. He grew up in Barcelona and went to graduate school in California. As a student in California, Jordi did several trips to the village of Antigua, in Guatemala, to bring laptops and to teach. With the help of many, one initial idea transformed into the collaborative Project Labdoo.org, which has grown from that first seed planted in Guatemala to support more than 1000 schools in more than 120 countries. Jordi has a PhD in Computer Science, an MBA from the University of California, and a BSc in Telecommunications from BarcelonaTech.

Supporting Team *

*   We would need hundreds of pages to include here all the people who are part of the real Labdoo supporting team. For lack of space, this section includes those that have been directly supporting this conference. To all of them, including those not in this list, our most heartfelt thank you for making the Labdoo project possible every day.

Elena Parpal is an economist by profession and a Labdooer by passion who's been a key leading member to help bootstrap Project Labdoo in the region of Barcelona. She has helped initiate five Labdoo Hubs and by using the Labdoo tools she has successfully delivered educational laptops to nine schools in countries such as India, Cameroon, Nepal, Vanuatu and Gambia. Elena works in public joint procurement for universities and research centers and has degrees in Economics from the University of Barcelona and the University of California.

Vicenç Hontangas grew up running up and down from the Sanctuary de Queralt between home and school during the years that Mossen Josep M. Ballarín was the Rector of Queralt, from whom he learned the meaning of 'human values'. Vicenç has worked all his life in a multitude of social projects to help provide equal opportunities to the most disadvantaged people, including the global fight to eradicate the Polio disease. For the past years, Vicenç has energetically helped bootstrap several Labdoo hubs and mobilize goodwill capacity to help spread education around the globe using the Labdoo collaborative tools.

Calvin Shen is original from Taiwan although as a kid he moved to California with his parents where they established new roots. Calvin is a high-tech serial entrepreneur, involved with the creation of start ups both in California and China. He is passionate about the "art of sustainably creating projects following the nature of all" not only from a technology point of view but specially from a human and planet Earth perspective. Calvin is in the Labdoo's Board of Advisors and a happy father of two wonderful kids.

Wendy Lu is currently living in California. She is on Labdoo's board of advisors and is the team lead of Labdoo California. She has worked in the computer automation field for many years. As a hobby, she also has experience in teaching cooking, Chinese classes and was the coordinator for her children after-school enrichment program. Her love for children education and passion for her job made her decide to devote herself to Labdoo. Wendy Lu is a co-founder of Project Labdoo and was responsible for creating the first Labdoo hubs in Taiwan.
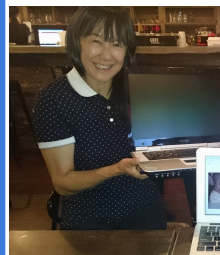

Graciela (Chela) Andrade is a national of Ecuador and resident in Italy. Graciela has worked for 34 years in The Food and Agriculture Organization of the United Nations (FAO). Through her working experience in the humanitarian field and her extensive international travelling, she got committed on her personal capacity with many humanitarian projects world-wide. With the support of Labdoo, Chela has contributed to the creation of computer laboratories in Ecuador, Colombia, Argentina, Bolivia, Brazil, Bosnia and Herzegovina, Italy, Cambodia, Thailand, and Kenya.

Janice Wong was born and educated in New Zealand, and then moved abroad to work in New York as a consultant for non-profit and for-profit businesses. She was the principal designer on a variety of design projects in partnership with clients ranging from established Fortune 100 companies to entrepreneurial start-ups but more recently, she has directed her efforts to ensuring that women and girls worldwide have the protections and the opportunities that shield them from exploitation and injustice. She was introduced to Labdoo almost three years ago and has contributed to the delivery of laptops to Kenya, Pakistan, and Tibet.

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Montse Vivero is the founder of Yachana-huasi (Y-h), a non-profit association created to give support to low-income families with a focus on children. Through Y-h, Montse met Jordi and Labdoo.org, starting thereafter multiple school projects to bring educational laptops to Ecuador. Montse was key to the creation of four Labdoo hubs in Barcelona and with the help of the Labdoo tools she has successfully deployed educational laptops in 30 schools in South America, Africa and South-East Asia. Montse was born in Ecuador and lives in Barcelona, where she is a professional congress organizer.

Laia Planas Garcia is the manager of a Labdoo Hub co-located in her business office in Vilafranca del Penedes. At work, Laia helps other businesses do their work (counseling, contracts, etc.), and uses her space to keep an inventory of Labdoo laptops. Her hub serves as a crucial dropping point where donors bring unused laptops, schools hubs sanitize them and deliver them back to Laia's hub, and travelers pick them up and carry them to needy schools. She holds a degree in Law from the University of Barcelona, a degree in Laboral Relationships from the University Pompeu Fabra and a Master on Real Estate management from Universitat Ramon Llull. Laia has been a ballet dancer since she was a kid and passionately dances Flamenco in her intimate circles.

Adrian Rosello was born in Tenerife, where he started to study Computer Science. At the age of 20 he moved to Barcelona in order to finish his studies at Universitat Politecnica de Catalunya (UPC). In the last year of University, he met Jordi Ros and Project Labdoo, and helped coding some of the Labdoo components. Adrian when on to join i2CAT's, a Research and Innovation Center which promotes R+D+I activities in the area of Internet Technologies, where he works as software engineer. Adrian is also the Labdoo Hub manager located at I2CAT, where he focuses on the tasks of laptop sanitation and storage, as well as the coordination of the delivery of the laptops to dootripers.

Institut Eugeni d'Ors is a school in Vilafranca del Penedes that manages a Labdoo Hub. As part of our activities, young 14 and 15 year old students sanitize laptops and make them ready to travel to destinations including Cameroon, India, Senegal, and Nepal. As a result, we have our kids helping other kids around the world. Students also spread the Labdoo message to their families, other neighboring schools and communities. Everyone at school is proud and feels lucky to be part of the Labdoo family because students learn that they can contribute to make the world a little bit better.

This Labdoo Conference is a non-profit event. No monetary donation has been accepted in order to deliver this event and the entrance fee is only to help cover the cost of the catering services, insurance and event. The conference is made possible thanks to the charitable association Labdoo.org e.V. and many Labdooers in Germany and around the world working in collaboration and with the in-kind contribution of the following sponsors:

Supporting the Labdoo conference:

The Labdoo team wants to thank all the Labdooers that have contributed countless hours to help organize this event as well as all the sponsors above for their in-kind contributions.

Travel information

Tourist information https://www.duisburg.de/tourismus/index.php (German)

Hotels in Duisburg, close to conference place (please decide and book yourself)
[Intercity Hotel Duisburg](#) (close to Duisburg Main station, noise due to traffic)
[Hotel Central Duisburg](#) (close to Duisburg Main station, noise due to traffic)
[Ibis Hotel Hauptbahnhof / main station](#) (close to Duisburg Main station, traffic)
[Mercure Hotel Duisburg](#) (close to Duisburg Main station, traffic)
[Hotel Rheinischer Hof](#) (300 m from conference place)
[Hotel Conti Duisburg](#) (about 30 min. walking distance to conference)
[Youth Hostel Duisburg Wedau](#) (fair rates)

Hotels in Mülheim Ruhr
[Raffelberger Hof](#) (2 km from Tectrum, 3 tram stations)

Airport Düsseldorf (DUS) and Weeze (NRN)
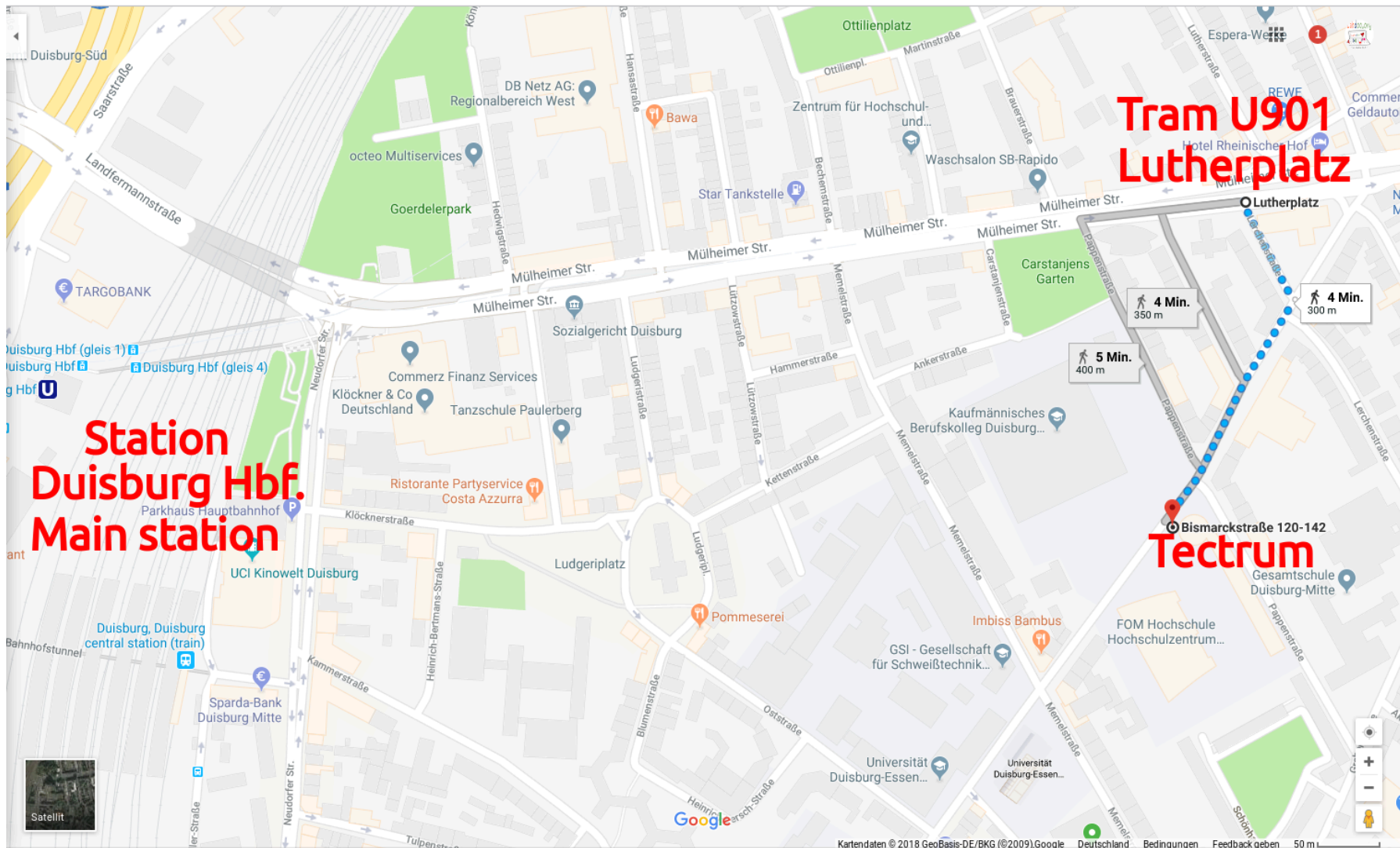There are 2 airports close to Duisburg - Düsseldorf (Duesseldorf) DUS and Weeze NRN
- Düsseldorf (DUS) https://www.dus.com/en (closer to Duisburg, transfer by Skytrain (needs public transport ticket) and train or by taxi (ca. 70+ €, depending on traffic) and
- airport Weeze (NRN) http://www.airport-weeze.de/en (bus shuttle to Duisburg http://www.airport-weeze.de/en/arriving_by_bus.html#overzicht_8, bus reservation required); Weeze is ca. 1 hour driving, close to the Dutch border.
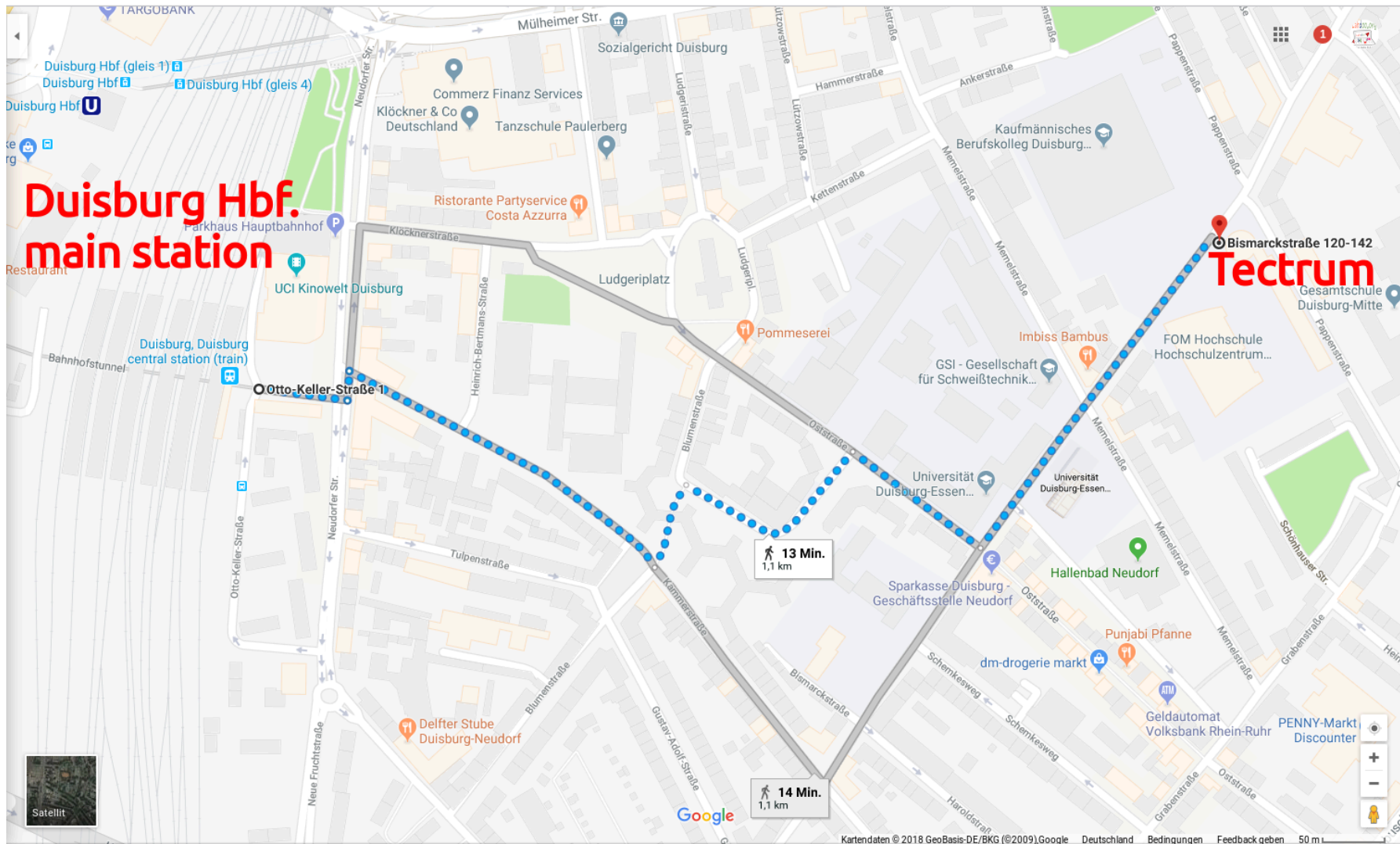
Approach Tectrum
By car http://www.tectrum.duisburg.de/tectrum/kontakt/anfahrt/anfahrt.php (German)

Please feed the park automats close to tectrum until Saturday until 2:00 p.m. (14:00). From that time until Monday 8:00 a.m. parking is for free.

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Using the tram U 901 you have to leave at station **Lutherplatz**. It is just 300 m walk to Tectrum.

Visitors might as well **walk from Duisburg Hbf./main station** (about 15 min., 1.1 km). Leave main station not via exit city/downtown, but via exit Neudorf.

Tag a laptop, spread education

www.labdoo.org
DE: www.Labdoo.de