Labdoo Conference Duisburg 2018

Come share your ideas to spread education around the world!

Register now

- Day 1: Conference Day, Saturday November 24th, 2018 | Time: 08:30 CEWT | Entry fee: 20 Euros (lunch included)
- Day 2: Workshop Day, Sunday November 25th, 2018 | Time: 09:00 CEWT | Entry fee: 20 Euros (lunch included)
- 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://inscribirme.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:
  https://hangouts.google.com/hangouts/_/labdoo.org/labdoochannel1
  https://hangouts.google.com/hangouts/_/labdoo.org/labdoochannel2
  https://hangouts.google.com/hangouts/_/labdoo.org/labdoochannel3

Agenda - Conference Day 1, Saturday November 24th

8:30 → 9:00	**Pick up of registration badge and conference reception**

9:00 → 9:30	**Welcoming Remarks:**
	  - Sören Link , Oberbürgermeister von Duisburg | Mayor of Duisburg (requested)
	  - Jordi Ros, Founder of Labdoo.org
	  - Wendy Lu, Co-Founder of Labdoo.org (requested)
	  - Ralf Hamm, head of Labdoo.org in Germany
	Jordi and Elena will make a presentation on "Spreading Education Around the World: Origins and Future Directions".
	Conference will be hosted throughout the day by: Ralf Hamm (Labdoo Rhein-Ruhr) and Jordi Ros (Labdoo Barcelona).

9:30 → 09:50	**NN, 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)** **"Duisburg - a town supports Labdoo, Labdoo supports a town"** 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 → 10:30	**Thomas Wagner / 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
10:30 → 10:50	**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
10:50 → 11:10	**Thomas Wagner, Labdoo.org (Hub Rhein-Ruhr)** [*] **"3D printer - a useful tool to produce missing parts"** An overview about 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.
11:10 → 11:40	**Coffee break, networking**

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11:40 → 12:00	**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
12:00 → 12:30 **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 Braille keyboards for blind users **Dr. Friedrich W. Lange, Labdoo hub Bonn** Using ORCA and Labdoo for the education of blind pupils | feedback and experience from a school project at Sri Lanka
12:30 → 13:00	**NN, Esprit (Europe), Ratingen [requested]** [Why Esprit supports Labdoo]
13:00 → 14:00	**lunch break, networking**
14:00 → 14:30	**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
14:30 → 15:00	**Angelika Memmelthey / Peter Holtkamp, Municipal accommodation for refugees in Oberhausen** Labdoo as a solution for refugees and integration in Germany | Experience made, chances and setbacks
15:00 → 15:30	**Ralf Hamm, Labdoo.org (Germany and Hub Rhein-Ruhr)** (*) Challenges for Labdooer - How to generate IT or financial donations? How to find projects and travelers? How to solve logistics? Dissemination? What will change, if spreading from a region to a nation-wide approach? [may change, if result of the study by TU Berlin would be available, concerning Labdoo's environmental impact]
15:30 → 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), Andreas Woitschützke (Tanzania), Dr. Friedrich Lange (several countries and projects); 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

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20:00 → …	Optional: Dinner | restaurant to be announced; costs have to covered by each visitor; please register so we can reserve enough tables and seats

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

Agenda - Workshop Day 2, Sunday November 25th

Time	Track 1	Track 2
09:00 → 09:30	Pick up of registration badge and workshops reception	
	Track 1	**Track 2**
09:30 → 10:30	**Workshop 1(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.	**Workshop 2(1): "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
10:30 - 11:30	**Workshop 1(2): "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.	**Workshop 2(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
11:30 → 12:00	Coffee break	
12:00 → 13:00	**Workshop 3(1): "Parted Magic, Clonezilla, autodeploy and PXE - solutions for a fast installation of Labdoo laptops", by Frank Geisler, Hub Zürich | Thomas Wagner, Hub Rhein-Ruhr| NN, i-doit GmbH / Hub Düsseldorf**	**Workshop 4(1): "Educational software and content, What is free available?, Where to find it?, How to install it?, How to use it on 3rd devices in a network?" by Ralf Hamm, Hub Rhein-Ruhr**
13:00 → 14:00	**Workshop 3(2): "Parted Magic, Clonezilla, autodeploy and PXE - solutions for a fast installation of Labdoo laptops", by Frank Geisler, Hub Zürich | Thomas Wagner, Hub Rhein-Ruhr| NN, i-doit GmbH / Hub Düsseldorf**	**Workshop 4(2): "Educational software and content, What is free available?, Where to find it?, How to install it?, How to use it on 3rd devices in a network?" by Ralf Hamm, Hub Rhein-Ruhr**
14:00 → 14:30	Coffee / Lunch break	
14:30 → 15:15	**Workshop 5(1): "Tipps, tricks, problems, tools, driver, hardware and software - problems and how to solve them :)" by Thomas**	**Workshop 6(1): "How to manage a hub and its growth" by Ralf Hamm, Hub Rhein-Ruhr**

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	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.	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?
15:15 → 16:00	**Workshop 5(2): "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.	**Workshop 6(2): "How to manage a hub and its growth" 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?
16:00 → 16:10	**Final discussion, Q&A, Concluding Remarks, end of the workshop day**	
16:30 → 19:30	bus or tram shuttle to Landschaftspark Nord, guided tour through the industrial monument (not suited for disabled persons or wheelchairs); return to downtown Duisburg https://www.landschaftspark.de/en/	
20:00 → ...	**Optional: Dinner	restaurant to be announced; costs have to covered by each visitor; please register so we can reserve enough tables**	

Keynote Speakers

Daniel Büchle

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 these very affordable and robust single board computers for the generation of tomorrow.

Ralf Hamm is living in the Ruhr area, Germany and organizing this this year conference 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 in 2012 he founded Labdoo (Germany), the hub Rhein-Ruhr and the charitable association Labdoo.org e.V. From Ruhr area and Germany a large part of IT donations, project support and travelers are contributed.

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Martin Juda

Sören Link (requested)

Ulrich Meyer-Berhorn

Angelika Memmelthey / Peter Holtkamp

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.

Andreas Woitschützke

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.

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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.

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.

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providing the conference rooms and facilities.

contributing logistic support.

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, traffic)
Hotel Central Duisburg (close to Duisburg Main station, 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

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.
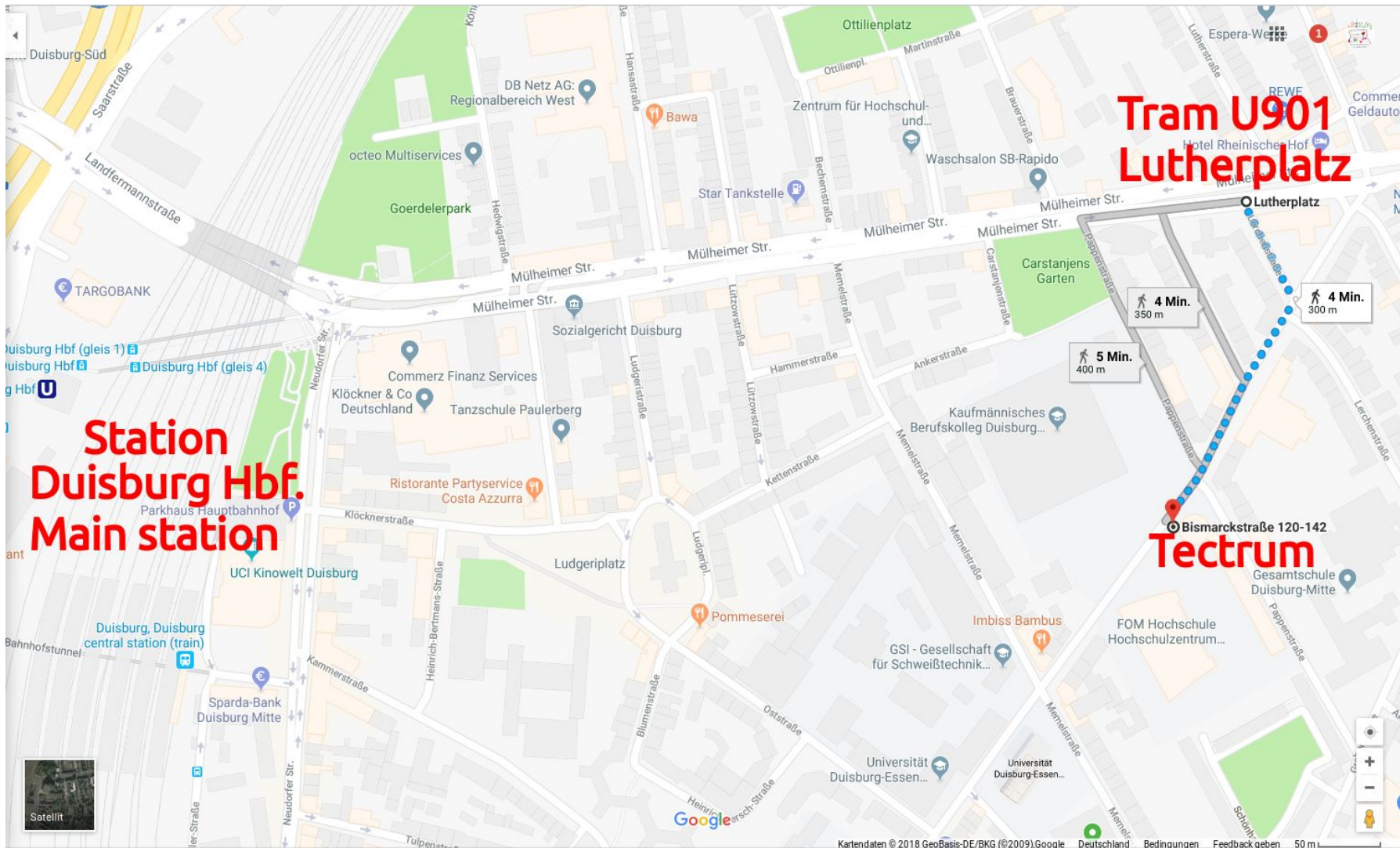
Approach Tectrum
By car http://www.tectrum.duisburg.de/tectrum/kontakt/anfahrt/anfahrt.php (German)
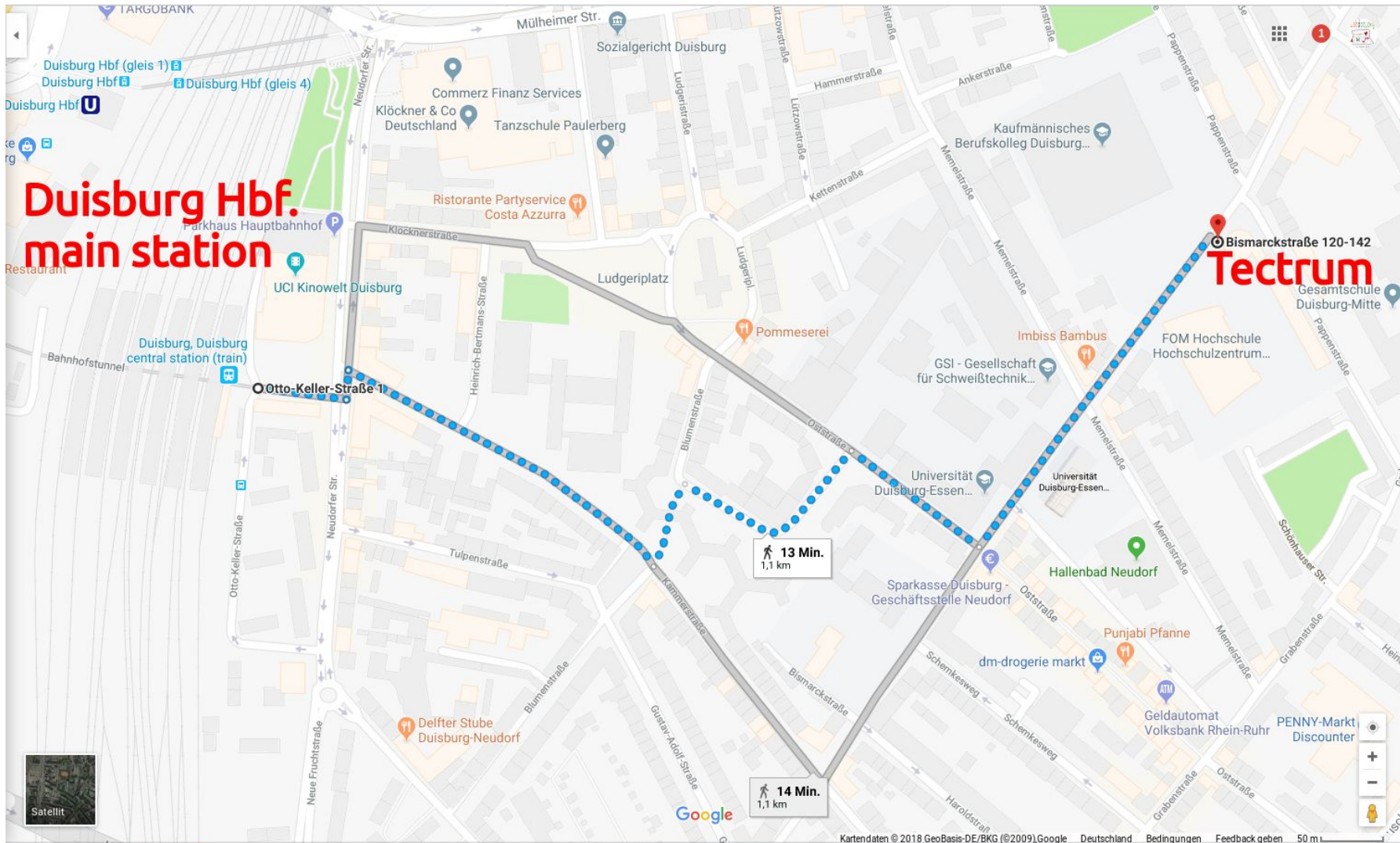
Using the tram U 901 you have to leave at station **Lutherplatz**. It is just 300 m walk to Tectrum.

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

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