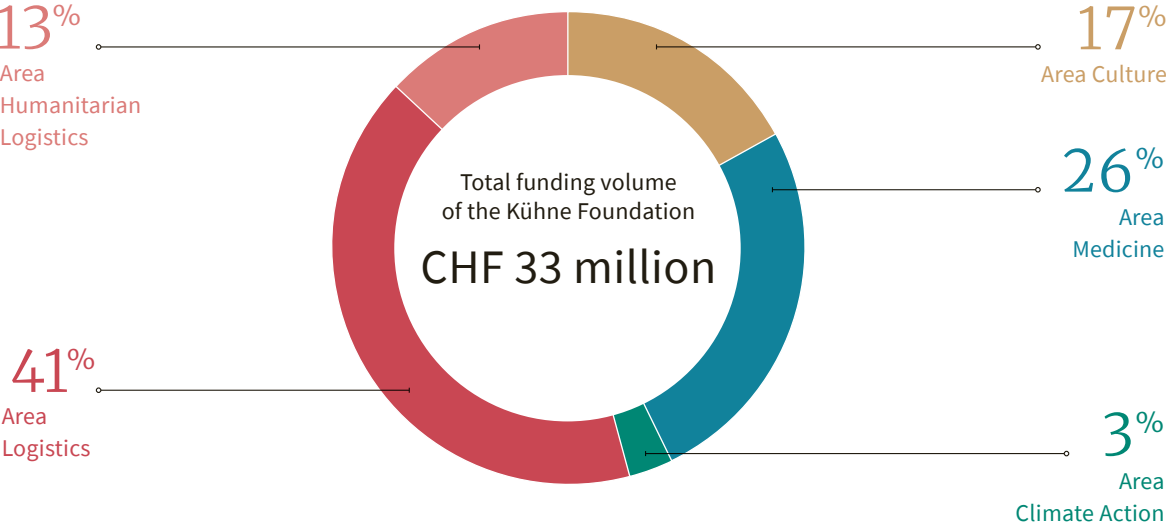


Annual Report 2022



KÜHNE FOUNDATION

Funding volume



Offices



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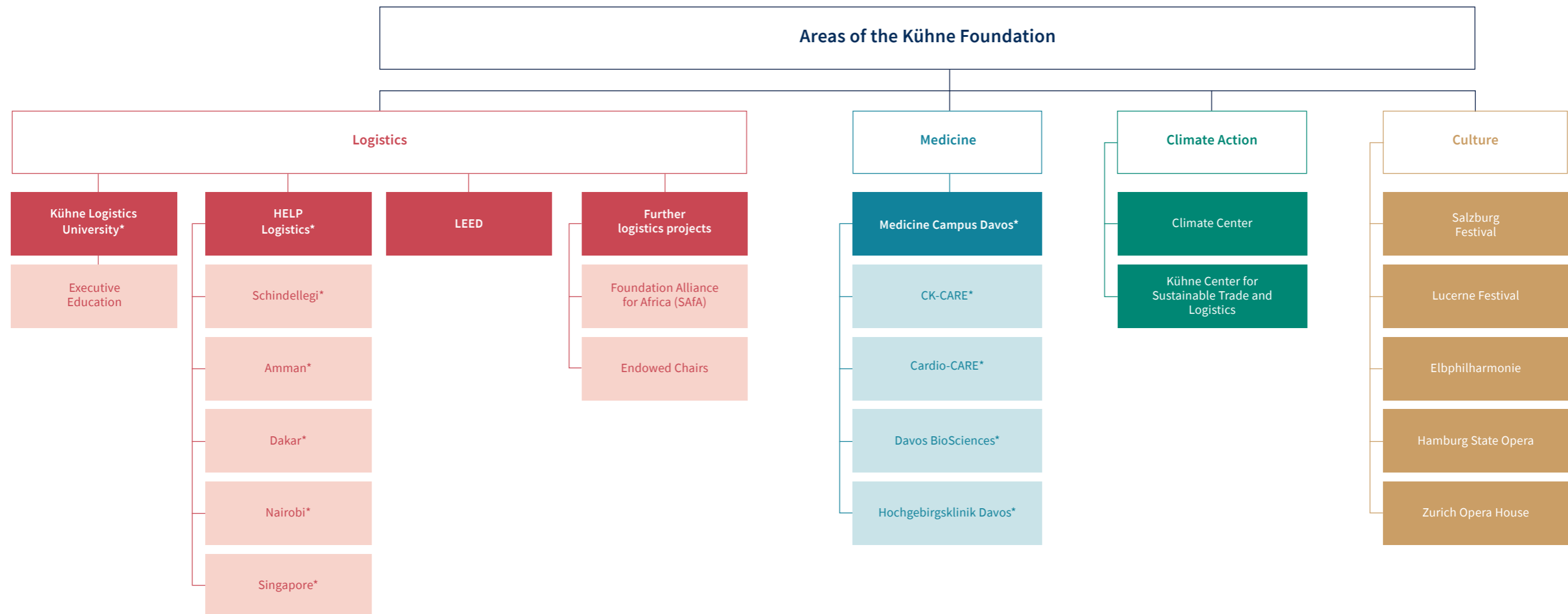
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At a glance

The Kühne Foundation considers itself as an operative foundation and primarily implements its own projects and programs. It works in four main areas: logistics, medicine, climate action and culture. In some cases, the foundation has established its own subsidiaries for its work. In the area of culture, the Kühne Foundation supports its partners with financial donations.



*own subsidiaries

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Preface by the Founder

**Dear friends and partners
of the Kühne Foundation,
Dear readers,**

For the Kühne Foundation, 2022 was a year of strategic development and growth. Our activities were significantly expanded and important decisions were made that will impact our work in the years to come. Since April 2022, Dr Jörg Dräger has also been responsible for the expansion of my foundation as Executive Director of the Board of Trustees.

The Kühne Logistics University (KLU) in Hamburg, the flagship of our logistics activities, has established itself as a recognized educational and research institution twelve years after its foundation. Climate change, the war in Ukraine and the pandemic not only have a significant impact on supply chains, but also require a more holistic view of global trade flows, once again highlighting the relevance of research at KLU. Because with the right approach, logistics and international trade can contribute to more sustainable and resilient economic systems. I am also pleased that KLU continues to be so popular: over 400 students are currently enrolled, supervised by 30 professors. In the coming years, the university wants to grow further and have an even stronger international presence with its own satellites.

Logistics competence is an important lever for economic development, that is why we support universities in Africa with our Logistics Education Emerging and Development Countries (LEED)

program to develop study programs in logistics and supply chain management at an international level. LEED currently offers its support in six African countries, at 11 universities and in 37 study programs. Over 10,000 students have already benefited from the program. We are also active in Africa as part of the Foundation Alliance for Africa (SAfA), which was launched in 2021, to improve living conditions there. The first project in Ethiopia was started with the support of the German Federal Ministry of Economic Cooperation and Development, a new project in Tanzania is in preparation.

HELP Logistics, our humanitarian logistics subsidiary, is experiencing an ever-growing demand for consultancy and training to improve the efficiency and effectiveness of logistics operations in emergency relief worldwide. In 2022, it carried out 49 projects with international aid organizations and governments in 36 countries, these activities are also to be further expanded.

In Davos, the Kühne Foundation operates the Hochgebirgsklinik, which recently took second place in the rehabilitation category of the “Best Specialist Clinics in Switzerland” award. In 2022, the expansion of the main building with a new restaurant and therapy areas was completed. Thanks to the expansion, it was also able to significantly increase its patient numbers in the current year.

The Kühne Foundation supports extensive research programs in allergology and cardiology at the Medicine Campus Davos surrounding the Hochgebirgsklinik. The Christine Kühne – Center for Allergy Research and Education (CK-CARE), initiated by my wife, is dedicated to allergy research and treatment as well as the education of medical personnel. With an extensive bio- and database, we gain new insights into allergy diseases, which serve an individual treatment of those affected and support the development of new medicines. With the Cardio-CARE program, the Kühne Foundation is supporting the largest research program to date on the decoding of genetic material in the German-speaking world. In this way, we want to gain a better understanding of cardiovascular diseases and develop new diagnostic and therapeutic options.

In 2022, the Foundation initiated the new area “Climate Action”, which is currently still in the conception phase. Developing countries are particularly affected by climate change. On the one hand, they suffer the most from its consequences and, on the other hand, they need additional resources for their economic and demographic development. There, we would like to make a substantial contribution to a green transformation that is both efficient and growth-promoting, and help logistics become part of the solution for a CO₂-neutral society.



Prof. Dr. h.c. Klaus-Michael Kühne

In the area of culture, the Kühne Foundation primarily supports classical music projects in cooperation with leading festivals as well as opera houses and concert halls in Europe. After many cultural events could only take place to a limited extent or not at all in 2020 and 2021 due to the pandemic, ambitious operas and concerts were performed again in 2022 in front of large audiences. The Kühne Foundation is involved as one of the main sponsors of the Salzburg Festival and the Elbphilharmonie. Its long-standing support as the main sponsor of the Lucerne Festival has been extended until mid-2025.

The examples above show that the Kühne Foundation faces challenging years of growth and further development.

I and my wife would like to take this opportunity to thank all our employees and supporters who have accompanied us on this journey. I would also like to thank the members of our Board of Trustees for their valuable contributions and their trusting cooperation.

With best wishes

Yours sincerely,

Klaus-Michael Kühne
President of the Board of Trustees

Mission of the Kühne Foundation

“Entrepreneurial success should go hand in hand with the promotion of the common good. The Kühne Foundation fulfils this task. With a variety of support programs and projects the founder and the Kühne Foundation also assume their socio-political responsibility.”

Prof. Dr. h.c. Klaus-Michael Kühne

History

The non-profit Kühne Foundation was established by the Kühne family in 1976 in Switzerland. The Kühne Foundation owes its financial strength to the success of one of the world's largest logistics companies, the Kühne+Nagel Group. It is permanently aware of these roots and the responsibility that goes with them. Thanks to its own assets combined with the earning power and assets of Kühne Holding AG, the Kühne Foundation is able to act independently from the influence of third parties.

How we work

The Kühne Foundation sees itself as a Swiss foundation with German roots and a global orientation. It mainly works as an operational foundation and pursues its goals less by promoting third parties; instead by primarily initiating, steering and implementing its own projects and programs, sometimes together with partners. This approach is particularly important in the three major areas of logistics, climate action and medicine. It initiates projects, some of which generate their own income within the Foundation's purpose, in order to achieve its goals better and faster. Its projects are characterized by a high degree of practical application. The Kühne Foundation manages its projects with a creative and a long term approach, as well as with a high degree of cost awareness and budget discipline in lean structures.

Topics

In accordance with the foundation charter, the Kühne Foundation has defined a number of focus areas that are intended to extend over a long period of time and are economically secure:

Logistics

Logistics and logistics expertise strengthen global economic and social development. That is why the Kühne Foundations facilitate education and research in logistics worldwide.

Medicine

Individualized medicine provides significant innovative impetus for therapy and prevention. The Kühne Foundation therefore specifically supports projects in the field of non-communicable diseases that are committed to this approach.

Climate Action

Combating climate change is one of the greatest challenges of the coming decades. In the new focus area of climate action, the Foundation intends to develop projects that contribute to an equally efficient, growth-promoting and globally responsible green transformation.

Culture

The Kühne Foundation particularly supports excellent classical music projects in cooperation with a number of European festivals, opera houses and concert halls.



Board of Trustees

Prof. Dr. h.c. Klaus-Michael Kühne (President)

Following a commercial apprenticeship and several years of thorough education, Klaus-Michael Kühne joined the family business Kühne+Nagel in the early 1960s. In 1963, he was appointed general partner, in 1966 Chairman of the Management Board. From 1975 onwards, he was Chief Executive Officer and later on appointed Chairman of the Board of Directors at the company's international head office in Switzerland. Since 2011, Klaus-Michael Kühne has been Honorary Chairman of Kühne + Nagel International AG. The Kühne Holding AG, established by Klaus-Michael Kühne in 1993, is the majority shareholder of the Kühne+Nagel Group and holds an over 30 per cent stake in Hapag-Lloyd AG, one of the worldwide leading container shipping lines, as well as a 17.5 per cent stake in Lufthansa AG. In addition, the Kühne Holding AG owns real estate and is engaged in the luxury hotel segment. Together with his parents, Klaus-Michael Kühne established the Kühne Foundation in the year 1976. The deed of the Foundation is support for training, further education, scholarships and research in the fields of transport and logistics. The Kühne Foundation is also heavily involved in the area of medicine. It has established a Medicine Campus in Davos, Switzerland, supporting there two major research projects in the fields of allergology and cardiology, and runs the Hochgebirgsklinik.

A new focus on climate action is currently in the conception phase. In the area of culture, the Kühne Foundation supports primarily festivals, opera and concert halls in Europe.

Christine Kühne

Christine Kühne is married to Klaus-Michael Kühne and she supports him in all projects of the Foundation. On her initiative, the Christine Kühne – Center for Allergy Research and Educations was founded in 2009 in order to make a lasting impact on research into allergies.

Dr. Thomas Staehelin (Vice President)

Dr. Thomas Staehelin holds a PhD in law and has been a partner of Fromer Advokatur und Notariat based in Basel since 1981. His expertise includes international mandates, corporate law, mergers and acquisitions, tax law, contract and commercial law as well as banking and stock market law. Dr. Staehelin is a member and/or President of the Board of Directors of several Swiss and international companies. Dr. Staehelin has been a member of the Board of Trustees since 1998 and has been its Vice-President since then.

Michael Behrendt

After studies in law, Michael Behrendt joined VTG Vereinigte Tanklager und Transportmittel GmbH in 1985 and became Managing Director in 1994.

In 1999, he was appointed Chief Executive Officer of VTG Lehnkering AG. Michael Behrendt became Chairman of the Executive Board of Hapag-Lloyd AG in 2002; and has taken over as Chairman of the Supervisory Board of Hapag-Lloyd AG in 2014. Furthermore, he is President of the Übersee-Club e.V. in Hamburg and board member of the non-profit science organization Stifterverband für die Deutsche Wissenschaft e.V. Mr. Behrendt was first appointed to the Board of Trustees of the Kühne Foundation in 2005. From 2008 to 2016, he sat on the Board of Trustees of the Klaus-Michael Kühne Foundation.

Dr. Jörg Dräger

Dr. Jörg Dräger studied Physics and Economics in Hamburg and New York. After his graduation, he worked for Roland Berger Strategy Consultants in Frankfurt/Main. He returned to Hamburg as CEO of the Northern Institute of Technology. From 2001 to 2008 Dr. Dräger took office as Hamburg's (independent) Minister of Science and Research. In addition, he was a member of the Conference of Ministers of Education and Cultural Affairs and a deputy member of the German Bundesrat. From 2008 till the end of 2021 he was a member of the Executive Board at the Bertelsmann Foundation. Dr. Dräger was first appointed to the Board of Trustees in 2008, and has been the Executive Director of the Board of Trustees of the Kühne Foundation since 2022.

Karl Gernandt

Karl Gernandt started his career with Deutsche Bank after graduating with an MBA in business administration from the University of St. Gallen. He moved on to A.T. Kearney, focusing on strategic financial services projects, then to Alsen AG und Holcim, most recently as CEO of the Region Western Europe. From 2009 to 2011 Karl Gernandt was Delegate and from 2011 to 2016 Executive Chairman of the Board of Directors of Kühne + Nagel International AG, and has been Vice-Chairman since 2016. Furthermore, he is Executive Chairman of the Kühne Holding AG and Deputy Chairman of the Supervisory Board of Hapag-Lloyd AG as well as a member of the Supervisory Board of SIGNA Prime Selection AG. Mr. Gernandt has been a member of the Board of Trustees of the Kühne Foundation since 2009.

Prof. Dr. Lino Guzzella

Prof. Dr. Lino Guzzella has been full Professor at the Department for Mechanical and Process Engineering at ETH Zurich since 1999. After working in the field of industrial research (Sulzer and Hilti) he became Assistant Professor at ETH Zurich. Between 2012 and 2014 Prof. Guzzella was the Rector of ETH Zurich and from 2015 to 2018 its President. He is a fellow of IEEE and IFAC and a member of the Swiss Academy of Engineering (SATW). He is also active as a member of the Board of Directors of German

and Swiss industrial companies and a consultant in the area of start-ups and innovation. Prof. Guzzella has been a member of the Board of Trustees of the Kühne Foundation since 2019.

Dr. Wolfgang Peiner

Following the completion of an apprenticeship at Kühne+Nagel Hamburg, Dr. Wolfgang Peiner studied business administration in Hamburg and Kansas, USA. Thereafter, he worked as tax consultant and auditor at Arthur Andersen & Co., the Werner Otto Group and as Director, later on as Chief Executive, of the Gothaer Group. During those times, Dr. Peiner was a member of the Board of Directors of the Treuhandanstalt and its successor organization BvS, Kühne + Nagel International AG as well as a member of the Supervisory Board of Deutsche Lufthansa AG and Friends Provident. From 2001 to 2006 Dr. Peiner was Senator of Finance of the Hamburg state government, at the same time, he was Federal Treasurer of the CDU party. In the years 2010 and 2011, he was founding president of the Kühne Logistics University. He was also a member of the Board of Directors of Kühne Holding AG from 2008 to 2022. Dr. Peiner has been a member of the Board of Trustees of the Kühne Foundation since 2005.

Dr. Jörg Wolle

Dr. Jörg Wolle holds a PhD in engineering sciences. In his roles as CEO and Presi-

dent, he formed and led DKSH AG from 2000 to 2017, most recently reaching net sales of CHF 11 billion and employing 35,000 staff in Asia. The company was created through the merger of three traditional Swiss trading houses in Asia. Since 2010, Dr. Wolle has been a member of the Board of Directors of Kühne + Nagel International AG, since May 2016, he has been Chairman of the Board. He is Chairman of the Board of Directors of Klingelberg AG and member of the Board of Directors of Olam International Limited, Singapore. Dr. Wolle has been a member of the Board of Trustees of the Kühne Foundation since 2019.

Prof. Dr. Gregor Zünd

Prof. Dr. Gregor Zünd has been CEO and President of the Executive Board of the University Hospital Zurich since 2016. Prior to his appointment as CEO, he was Director of Research and Education and in this function already a member of the Executive Board of the University Hospital Zurich as well as Managing Director of the Center for Clinical Research. Prof. Zünd is a specialist in cardiac and thoracic vascular surgery. He completed further trainings at the University Hospital Zurich. In addition, he spent several years at the Harvard Medical School in Boston and at the Texas Medical Center in Houston. He is a professor at the University of Zurich. Prof. Zünd has been a member of the Board of Trustees of the Kühne Foundation since 2018.

Logistics

Logistics forms the backbone of international trade and prosperity. However, its importance is not yet sufficiently anchored in academic research and teaching. That is why the Kühne Foundation runs the Kühne Logistics University to provide scientific support for new developments in logistics and supply chain management and to promote the training and further education of managers. It is also active in the field of humanitarian logistics and supports humanitarian organizations and governments in optimising disaster relief through HELP Logistics AG. With its LEED education program, the Kühne Foundation contributes to the development of logistics expertise in developing and emerging countries.





After two pandemic years, the 2022 graduation was once again a fully in-person event

Kühne Logistics University (KLU)

Students have rated KLU as the best university with English-language degree programs, awarding it 4.8 out of 5 stars for their study experience.

Since being founded in 2010, Kühne Logistics University (KLU) has been the flagship of the Kühne Foundation in the field of logistics, shaping the specialists and managers of tomorrow. The private university contributes to the professionalisation of the logistics industry and its future-oriented and sustainable further development through excellent research, education and training. In keeping with its ambition to be the university for logistics and business management, KLU aims to provide industry and society with cross-sector expertise in these

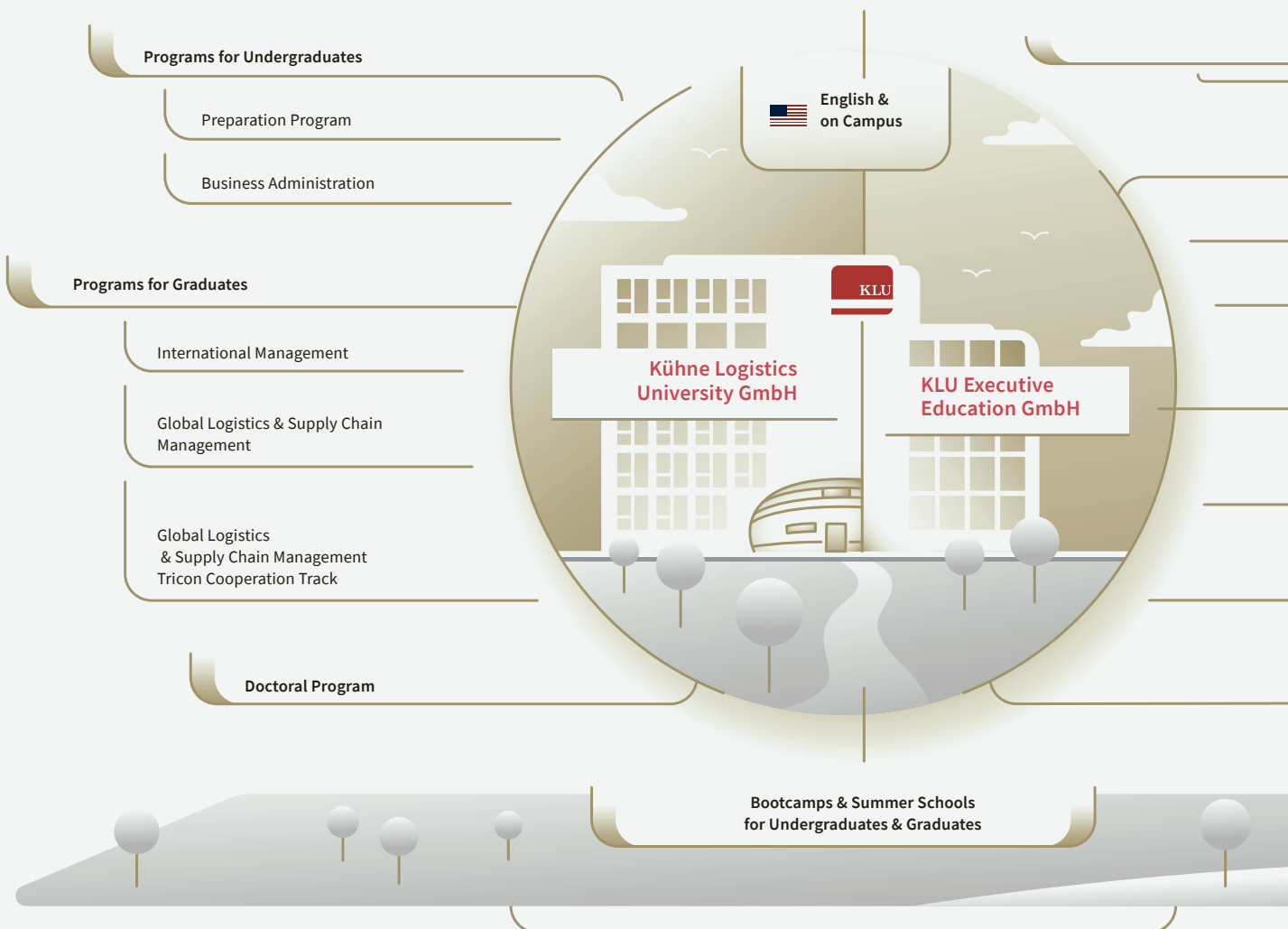
areas in order to meet the considerable challenges of our time. With KLU, the Kühne Foundation has acknowledged the outstanding importance of logistics and supply chain management for the global economy, while also shaping the academic landscape and increasing the visibility of this economic sector.

Education and training

A bachelor's degree program, four master's degree programs including a part-time MBA, and a structured doctoral program offer excellent academic

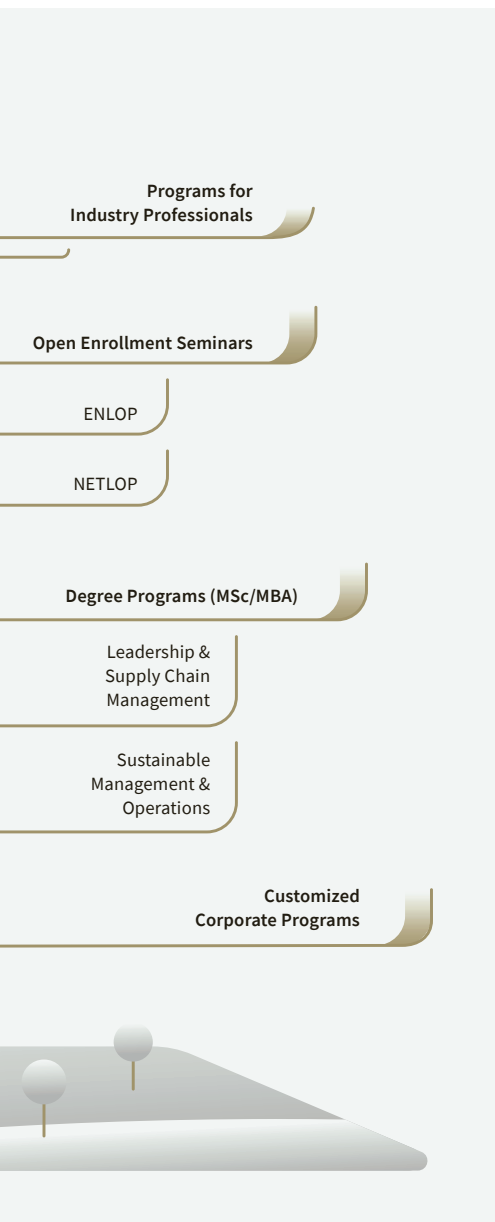
The current WirtschaftsWoche ranking (2023) also underscores the university's excellent research. Here, the university ranked second for business administration among all private business schools in German-speaking countries, measured by research output per professor.

Program portfolio





KLU Campus in Hamburg's HafenCity



environment and career prospects for over 400 students from 60 nations. Certificate programs and seminars for specialists and managers complement the range of courses on logistics, supply chain management and corporate management. An international faculty of ca. 30 professors teaches in English on a modern campus in Hamburg's Hafen-City. Students have rated KLU as the best university with English-language degree programs, awarding it 4.8 out of 5 stars for their study experience (Studyportals 2021).

Practice

Kühne Logistics University promotes exchanges between science and business through research projects, doctoral theses and in numerous event formats. Research, education and training alike are characterized by a clear practical orientation.

Research

The focus is on digital transformation, sustainability and innovative value creation, especially in the areas of transport, global logistics and supply chain management. Three research centers pursue projects in sustainable, maritime and humanitarian logistics, each in cooperation with partners in industry and practice. KLU is one of Germany's top three universities for supply chain research (SCM Journal List Ranking 2022). The current Wirtschafts-Woche ranking (2023) also underscores the university's excellent research. Here, the university ranked second for business administration among all private business schools in German-speaking countries, measured by research output per professor.

Further information:
<https://www.the-klu.org/>



Students on the way to their graduation in September 2022

HELP Logistics Humanitarian Logistics

HELP Logistics AG was established in 2014 as a non-profit organization in Schindellegi, Switzerland. It is a subsidiary of the Kühne Foundation. The organization operates from four regional offices in Amman, Dakar, Nairobi and Singapore and is staffed by 20 logistics and supply chain management experts. These experts work on projects in the Middle East, Africa, and Asia-Pacific regions.

To improve the lives and economic potential of vulnerable people and communities, HELP Logistics develops and shares expertise and knowledge of humanitarian supply chains. The organization offers supply chain analytics, professional and talent development, and operational research services to humanitarian organizations and governments seeking to enhance their supply chain management capabilities and

improve the effectiveness and efficiency of their logistics operations.

HELP Logistics approach is to function as an active Organization that directly contributes to long-lasting and sustainable impact, aligning with global initiatives like the Grand Bargain, a reform movement for the provision of humanitarian aid, and the Sustainable Development Goals (SDGs). The team strives to achieve its vision and objectives through collaborative partnerships. They partner with over 30 organizations and stakeholders from the private, public, and non-profit sectors. By doing so, the most pressing challenges can be identified and addressed in projects with well-defined problem statements and measurable outcomes.

Further information:
<https://www.help-logistics.org/>

HELP Logistics strives to achieve its vision and objectives through collaborative partnerships. They partner with over 30 organizations and stakeholders from the private, public, and non-profit sectors.

IFRC flood rescue in the Philippines, October 2022 after heavy rain from Tropical Storm Nalgae





2,716

Total number of people trained



36 Client organizations
6 New client organizations



95% Client satisfaction



90% Client retention



2,195

Practitioners



317

Students



200

Managers/leaders

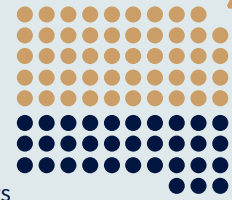


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Interns



33 Projects completed



49 Projects managed

Services

Supply Chain Analytics

Utilize data analytics and visualisation to improve anticipatory action (preparedness) and organizational effectiveness and efficiency. Furthermore, to strengthen resilience and champion sustainability in humanitarian and development supply chains.

Professional and Talent Development

Deliver customized and contextual learning modules in the classroom and through online learning to address

gaps in supply chain knowledge and professionalisation pathways. Provide internship opportunities for students at the Kühne Logistics University (KLU) and partner universities in the regions to source, train and exchange future supply chain talent.

Thought Leadership

Lead the transformation of humanitarian supply chains through active support of independent and applied research. Amplify and implement change globally and locally by bringing together experts from different fields and disseminating innovative knowledge and solutions.

Center for Humanitarian Logistics and Regional Development (CHORD)

Operational research is conducted by the Center for Humanitarian Logistics and Regional Development (CHORD). CHORD is a collaboration between HELP Logistics and the Kühne Logistics University (KLU). CHORD taps into KLU's top-class academic research and HELP's operational expertise to develop innovative logistics and supply chain solutions in disaster preparedness and resilience, food and agriculture, pharma and health, and sustainability. The Center has implemented successful research projects with the World Food Programme, United Nations Population Fund, International Committee of the Red Cross, Médecins Sans Frontières and Action Contre la Faim.

Through the extensive networks of HELP Logistics, CHORD conducts one of the most comprehensive surveys in the humanitarian logistics sector. The survey captures trends and developments in the industry bi-annually to support strategic-level decision-makers and push for urgent change. As a thought-leading hub, CHORD continuously shares new knowledge through publications, practitioner reports and public events.

Launching the Humanitarian Edition of the 'Business on the Move' educational board game in Dubai, July 2022



Logistics Education – Emerging & Developing Countries (LEED)



Logistics and supply chain management are essential functions and the backbone of global trade and economic development. Therefore, the education program “Logistics Education – Emerging & Developing Countries (LEED)” initiated by the Kühne Foundation, supports universities in emerging and developing countries in Africa. The funding emphasizes the sustainable development of education and research capacities in the field of logistics and supply chain management (LSCM). LEED follows the approach of cross-functional logistics systems and promotes not only the commercial market, but also other

sectors such as health and agriculture. The aim is to promote an efficient logistics and supply chain management system to generate a competitive and sustainable economy in developing countries through high-quality education.

LEED works in regions in which public or private funding and local resources are insufficient to deliver the required LSCM education at international quality standards. Together with local universities, the program offers training opportunities tailored to the specific needs and requirements of the countries.

LEED Services



Curriculum development:
Design of high-quality study programs at international level



Research support:
Implementation of local research projects in collaboration with highly experienced academics from the global network of the Kühne Foundation



Train-the-Trainer:
Offering continuous training and further education for faculty in special knowledge and didactics



Internally Guest lecturers:
Top-class guest lecturers from theory and practice



Excursion with participants of the LEED program

Since the beginning about 10,500 students and 21 PhD candidates have been enrolled in LEED-supported programs, about 3,500 students have graduated with a Certificate, Bachelor, or Master degree.

The development of such a high-quality education system takes place through multilateral partnerships between high-quality higher education institutions in industrialized countries and selected universities in developing countries in East and partly West Africa. Currently, LEED offers its support in six African countries, in collaboration with 11 universities and in 37 study programs.

Partners and cooperations

LEED works cooperates with a number of partners and coalitions. A good example for a multi-partner collaboration is the Senselet project, which aims to sustainably improve the supply chain in the health sector in Ethiopia through targeted educational programmes. The project is supported by the Kühne Foundation, Novo Nordisk and the World Diabetes Foundation, amongst others.



Field Trips:

Practical teaching of specialized knowledge in Bachelor and Master degree programs



Doctoral scholarships:

Increase of faculty capacities with highly qualified lecturers who continue the implementation of the study programs



Teaching methodology:

Training in modern and interactive teaching methods



Summer schools:

Promotion of international exchange of students at undergraduate- and post-graduate level



Conferences:

Engaging faculty members from Africa in the international academic community

Further logistics projects

Foundation Alliance for Africa

The Hanns R. Neumann Foundation, the Max and Ingeburg Herz Foundation, the Rossmann Foundation and the Kühne Foundation established the “Foundation Alliance for Africa” in 2021. Each of these four non-profit foundations contributes its special knowledge and experience from different areas of development work to joint projects in order to improve living conditions in the project countries in Sub-Saharan Africa. The Kühne Foundation supports the cooperation with its logistics expertise.

The first project was launched in Ethiopia in May 2021, where the prospects for young people in particular are to be improved in two rural regions. The development of the project was initially complicated by the pandemic,

but especially by the civil war. The Kühne Foundation is working here both in the project regions and in a training academy in Addis Ababa, where supra-regional training courses are held on topics such as agricultural logistics and entrepreneurship.

The project is being implemented in close cooperation with and with the support of the German Federal Ministry for Economic Cooperation and Development (BMZ). The total budget is EUR 12 million for an intended duration of four years. Ultimately, 70,000 people are expected to benefit directly and indirectly from the project. Further projects in other countries are planned, e.g., a project in Tanzania is in preparation.



Endowed Chairs

In addition to running the Kühne Logistics University, the Kühne Foundation supports chairs at various universities in order to strengthen the importance of logistics as a scientific discipline and scientific cooperation in the fields of logistics and supply chain management. The chairs supported by the Kühne Foundation work together with the Kühne Logistics University

Competence Centre International Logistics Networks at the Logistics Department of the Technical University of Berlin

Since 2005, the Kühne Foundation has been supporting the International Logistics Networks Competence Centre (ILNET) at the Technical University of Berlin under the direction of Prof. Dr. Ing. Frank Straube. With its practice-oriented research approach, ILNET investigates current trends and strategies in international logistics networks. While at the beginning of the funding, the focus was primarily on the management of dynamics in European-Chinese logistics networks, for some years now, research has focused more on ways to improve logistics performance in sub-Saharan Africa. To this end, the ILNET works closely with African universities funded by the Kühne Foundation (including Addis Ababa University and the University of Rwanda), the KLU and a network of industrial partners. In addition, ILNET funding is an important basis for acquiring further research projects with a focus on Sub-Saharan Africa.

The interaction between science and industry results in dissertations and habilitations, scientifically sound,

practical products (e.g. a tool for the holistic measurement of volatility causes in logistics networks or logistics performance benchmarks), case studies for education and training, co-working seminars for students and much more.

Chair of Logistics at the School of Management at the Universidad de los Andes, Bogotá

Since 2017, the Kühne Foundation has been supporting the logistics chair at the School of Management of the Universidad de los Andes in Bogotá, Colombia. Prof. Dr. Gordon Wilmsmeier holds the endowed chair and teaches courses in logistics and operations research in the Master's and Bachelor's programs as well as in an Executive MBA and Executive Education. He is also an Associate Professor of Shipping and Global Logistics at KLU and Director of the Hapag-Lloyd Center for Shipping and Global Logistics (CSGL). Since 2018, the newly developed Master's program Supply Chain Management with a specialisation in Shipping and Port Logistics has been offered at the faculty in Bogotá. Research at the department is oriented towards the current problems in Colombia and Latin America.

The excellence and special quality standards of the faculty are reflected, among other things, in the highest accreditation of the National Accreditation Council and, at the international level, in the so-called Triple Crown accreditation (with the business school seals EQUIS, AACSB and AM-BA). This makes the faculty the only one in Colombia among the most renowned business schools in the world.



Top: TU Berlin: Addis Ababa University as guest at TU Berlin, company visit to Stadler
Bottom: Campus of the School of Management of the Universidad de los Andes

Medicine

Allergies and cardiovascular disease are widespread conditions suffered by billions of people worldwide. Neurodermatitis not only causes considerable discomfort for those affected, but is also a significant risk factor for other diseases. For more than ten years, the Kühne Foundation has therefore been supporting a pioneering program of research and therapies for allergies with a focus on neurodermatitis, based at the Davos Medicine Campus. On the campus, in addition to running the Hochgebirgsklinik, the foundation is also increasingly supporting research into personalized treatment of heart disease. The goal is personalized medicine, where the treatment responds precisely to the specific circumstances and requirements of each individual patient.



Medicine Campus Davos

The Kühne Foundation runs several medical programs on the grounds of the Hochgebirgsklinik in Davos. There, CK-CARE (Christine Kühne Center – for Allergy Research and Education), HGK (Hochgebirgsklinik) Davos, Cardio-CARE AG, Davos BioSciences AG and the independent SIAF (Swiss Institute for Allergy and Asthma Research) work closely together, bundling therapy, research and education in the fields of allergy, asthma and cardiology. The Kühne Foundation manages its programs in Davos through the non-profit umbrella company Medicine Campus Davos AG in order to create an efficient center for interdisciplinary cooperation.

Here, the focus is particularly on translational scientific approaches that are geared towards immediate benefits for patients (“from bench to bedside & from bedside to bench”). With personalized medicine, new treatment approaches are developed that are individually tailored for each and every patient. These research approaches work together with data and biobanks, whose information is often evaluated using sophisticated methods of data analysis and artificial intelligence.

Further information:
<https://medizincampusdavos.ch/>

Christine Kühne – Center for Allergy Research and Education (CK-CARE)

In 2009, the Kühne Foundation established the non-profit “Christine Kühne – Center for Allergy Research and Education” (CK-CARE), with headquarters in Davos and further locations in Augsburg (DE), Bonn (DE), St. Gallen (CH) and Zurich (CH). The main pillars of the initiative are highly qualified and well-connected research activities on allergology and atopic dermatitis in particular, as well as the training of medical specialists based on the latest scientific findings. Renowned research teams work together with cooperation partners across borders to eliminate

deficits in the diagnosis, treatment and rehabilitation of allergy sufferers and thus make an important contribution to the sustainable well-being of patients.

With the establishment of CK-CARE, one of the largest private initiatives in the field of allergology in Europe was created. Today, the focus is on a database and biobank in which information and biospecimens from patients and healthy control persons are collected. This makes analyses possible that serve the development of drugs and treatments of so-called precision medicine.

The aim of this is to create treatment methods that can take into account the very specifically individual conditions and reactions of each patient.

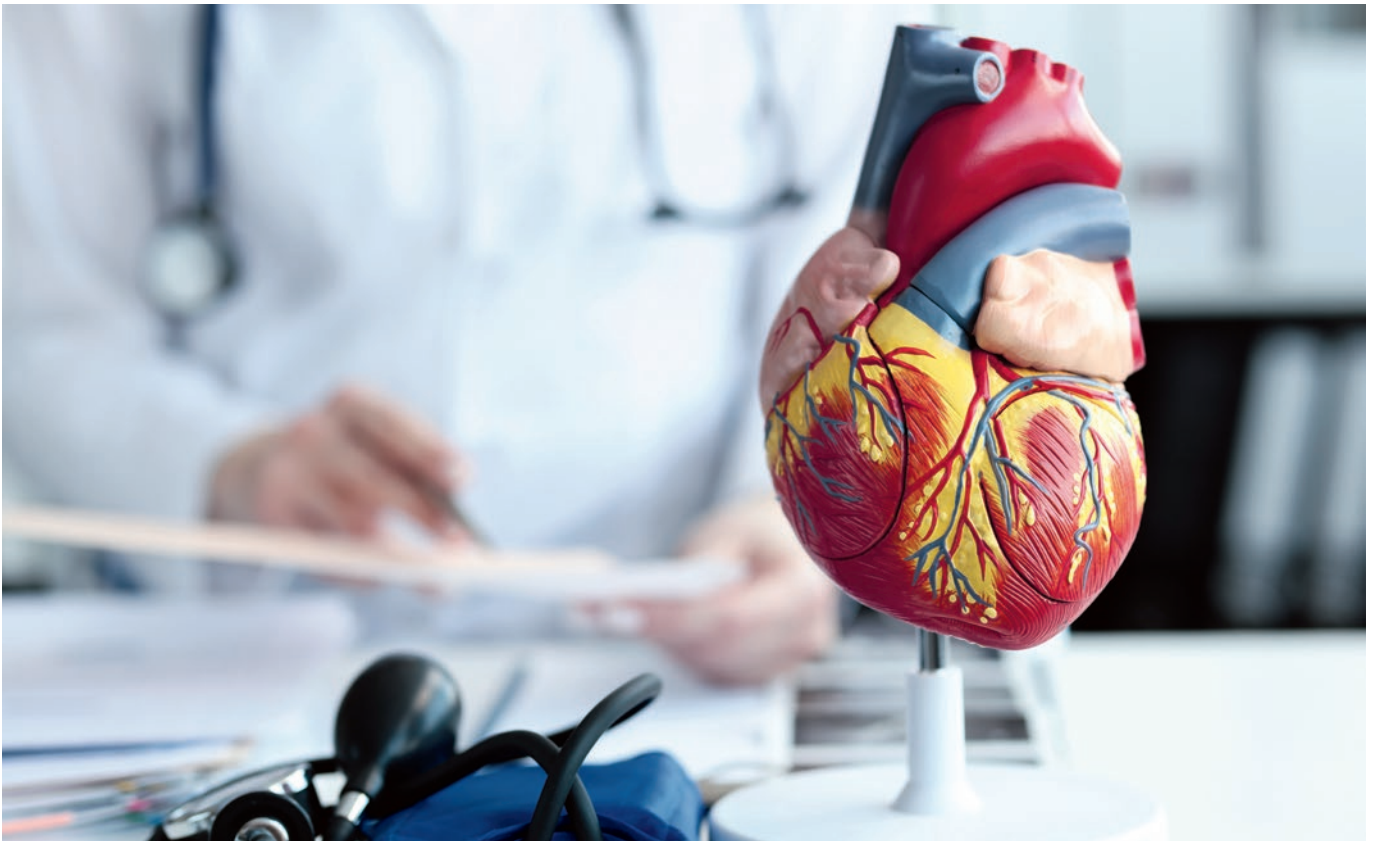
In 2022, 45 researchers of the CK-CARE network were involved in 30 different ongoing projects. At the 3-day “Global Allergy Forum” in September, CK-CARE brought together renowned experts for an intensive scientific exchange at the Medicine Campus Davos.

Further information:
<https://ck-care.ch/>

In 2022, researchers of the CK-CARE network were involved in 30 different ongoing projects.



Global Allergy Forum 2022



Cardio-CARE

The non-profit Cardio-CARE AG was founded by the Kühne Foundation in January 2020 to strengthen expertise in the field of data analysis at the Medicine Campus Davos and to expand its commitment to cardiology.

Cardio-CARE's main project currently is the largest whole genome sequencing project in the German-speaking countries. In a multidisciplinary collaboration with the Clinic of Cardiology at the University Medical Center Hamburg-Eppendorf (DE) and the Institute of Pathology at the University Hospital Zurich (CH), to sequence the whole genome of more than 9,000 individuals. About 8,000 of the individuals are participants in the Hamburg City Health Study (HCHS), a population-based

study, representative of the inhabitants from the City of Hamburg. The other 1,000 individuals have specific heart diseases, suggesting an influence of genetics on the heart disease.

The aim of the project is to better understand the genetic basis of cardiovascular diseases, to improve diagnostics, and to develop treatments. For this purpose, Cardio-CARE successfully employs artificial intelligence methods. All bioinformatic and biostatistical analyses for this project are performed at Cardio-CARE in Davos using its own high-performance computer.

Further information:
<https://cardio-care.ch/>

Davos BioSciences

Davos BioSciences AG (DBS) is a non-profit spin-off from CK-CARE and supports pharmaceutical companies in the development of drugs. DBS also operates CK-CARE's biobank, and is certified for this activity by the Swiss Biobanking Platform and can draw on the extensive data and samples for projects with the research-based pharmaceutical industry. Thus, key questions in every phase of preclinical and clinical drug development, development, validation and regulatory qualification of diagnostic tests as well as in clinical trials can be answered quickly and flexibly. Currently, the main expertise is in the field of atopic dermatitis and other allergic diseases and disorders of the immune system.

DBS offers expertise in biobank management, laboratory services and contract research projects. It supports pharmaceutical companies in their efforts to discover and develop therapeutic approaches and biomarkers, and validates new biomarkers and drugs as part of the approval process. Since its inception in 2019, DBS has fully completed three projects, three projects are in progress, and one new project is contracted. There are 2,369 (as of Dec. 2022) patients in the CK-CARE biobank managed by DBS, of which skin swabs are available from 97%, blood from 85%, and skin biopsies from 16%.

All proceeds from DBS are reinvested in CK-CARE's research activities.

Further information:
<https://www.davosbiosciences.ch/>

CK-Care colleague Anita Dreher is taking bio-samples from the nitrogen cooler

The biobank managed by Davos BioScience contains samples from 2,369 patients.





In 2022 the new therapy and restaurant facilities were opened

○ ————— ○
In 2022, the Hochgebirgsklinik took second place in the award for the best rehabilitation clinics in Switzerland.
○ ————— ○

Hochgebirgsklinik Davos

The Hochgebirgsklinik and Davos as a therapy center look back on a long history. Already more than 100 years ago, patients came to Davos to benefit from the unique climate. The air is not only particularly dry and pure, but also low in allergens, microbes and pollutants: there are hardly any house dust mites, molds or pollen. This is a unique condition that, along with good treatments, contributes to recovery.

Today, Hochgebirgsklinik Davos (a subsidiary of the Kühne Foundation since 2017) is one of the leading Swiss rehabilitation clinics in the fields of cardiology, pneumology, dermatology, allergology and psychosomatics for adults, adolescents and children. Each treatment and therapy is focused on the personalized needs of the patients, who thus receive optimal treatment. The interdisciplinary networking of





Examination in the treatment of dermatological diseases

academic research, education and treatment in the Hochgebirgsklinik and on the Medicine Campus Davos makes the latest knowledge directly available to patients. With its approximately 300 employees, its competent team of doctors and nurses, the wide range of medical and therapeutic services, the new treatment and restaurant facilities, as well as the mountain climate in Davos, the clinic is a very special place for rehabilitation and recovery. In 2022, the clinic cared for an average of 14,6 patients.

Hochgebirgsklinik Davos is a member of SW!SS REHA, the association of leading rehabilitation clinics in Switzerland.

This means that the clinic meets the high requirements in terms of the professional quality of its staff, infrastructure (medical and hotel) and the quality of interdisciplinary cooperation. Since 2022, it has also been on the provisional hospital list of the Canton of Zurich with a service mandate for cardiac rehabilitation. The clinic is one of only two rehabilitation clinics outside the canton to be included in the hospital list. The clinic also placed 2nd in the 2022 prize for the best specialist rehabilitation clinics in Switzerland (awarded by the Handelszeitung).

Further information:
<https://www.hochgebirgsklinik.ch/>

Pulmonary function test in the department of pneumology



Climate Action

Climate Change is one of the greatest challenges of our time and the predicted consequences are serious: rising sea levels, shifting climate zones, extreme weather disrupting lives and together causing famine and driving large-scale migration. These impacts will be especially severe for low and middle-income countries, which have contributed the least to the causes of climate change. They will have to grapple with responding to a changing climate whilst also dealing with other development challenges.



With its new focus on climate action, the Kühne Foundation will help decouple growth in prosperity from greenhouse gas emissions and accelerate the transition to a vibrant low carbon economy particularly in the Global South. The Kühne Foundation wants to ensure logistics and global trade are part of the solution for a CO₂-neutral society.

Climate Center

The new climate center, which will become operational in 2023, works in accordance with the established principles of the Kühne Foundation; operational, entrepreneurial, applied, and international. By 2025, the Center is expected to be an established and respected part of the global climate philanthropy community that promotes climate compatible global trade and low-carbon development.

Initially, the center will focus on low carbon logistics and on Africa. Over

time, activities will also address climate change adaptation, mitigation, and sequestration more broadly.

The center will develop and support both think-tank activities (e.g., research and development, conferences, agenda setting) and do-tank activities (capacity building and training, innovation support and implementation) by working with a growing network of trusted partners as well as conduct its own activities. The climate center will collaborate with other Kühne Foundation programs such as Kühne Logistics University (KLU), Logistics Education – Emerging & Developing Countries (LEED) and HELP Logistics.

By accelerating the transition to a low-carbon economy, the center will contribute to the development of new solutions, the creation of new low carbon jobs and sustainable development in the Global South.



Using a quantitative model of the global economy, for example, we find that a carbon tax would reduce greenhouse gas emissions by a quarter, with a real income loss of only 0.7%.

Kühne Center for Sustainable Trade and Logistics

Since 2018, the Kühne Foundation has been supporting the Kühne Center for Sustainable Trade and Logistics, which is based at the Department of Economics at the University of Zurich (CH). The research center aims to contribute to sustainable global trade by conducting relevant research and making its findings accessible to a broad audience.

The main focus of the research Center is the topic of Sustainable Trade and Logistics. This is primarily about understanding the role of global trade in combating climate change: Where does global trade help the climate? Where does world trade harm the climate? And how should world trade evolve? Using a quantitative model of the global

economy, for example, we find that a carbon tax would reduce greenhouse gas emissions by a quarter, with a real income loss of only 0.7%. At the same time, however, there would be a disproportionate burden on poorer countries in the Global South. These and other research findings by researchers at the Kühne Center for Sustainable Trade and Logistics are published in the Kühne Center Impact Series.

The core of the center is the Kühne Foundation Professorship in International Trade, held by Professor Ralph Ossa, a leading expert on trade policy and, as of January 2023, Chief Economist of the World Trade Organization (WTO).

Further information:
<https://www.kuehnecenter.uzh.ch/>

Culture

Classical music projects are the main focus of the Kühne Foundation's cultural funding activities. It supports a number of renowned festivals as well as opera houses and concert halls.



Festivals

Salzburg Festival

Since 2019, the Kühne Foundation has been one of the main sponsors of the Salzburg Festival, having already supported the “Young Singers Project” from 2013. Working for and with the younger generation is an important part of the Salzburg Festival program. The Young Singers Project, a top-class platform for promoting young talent was created in 2008. Among other things, the young talents who qualify for a scholarship are given the opportunity to work with Festival artists. Their performances are noticed by a large audience and often serve as a stepping-stone to start their career.

Lucerne Festival

The Kühne Foundation has been a sponsor of the Lucerne Festival since 2008 and has been the main sponsor since 2020. The Foundation has a particularly close relationship with the Lucerne Festival Orchestra, of which it is a partner. The orchestra, led by Music Director Riccardo Chailly and featuring internationally renowned artists, enriches Lucerne every summer with outstanding musical experiences.

Music Summer on Lake Zurich

Since 1996, the Music Summer on Lake Zurich has enriched the cultural landscape around Lake Zurich with its diverse musical offerings. As part of the series of events, the Kühne Foundation has sponsored an opera gala in the catholic church in Feusisberg for many years.



Gala concert as part of the Music Summer on Lake Zurich



Top: Final concert of the Young Singers Project 2022
Bottom: Riccardo Chailly conducting the Lucerne Festival Orchestra



Operas and Concert Halls

Elbphilharmonie Hamburg

The Kühne Foundation first supported the concert activities of the Elbphilharmonie in 2012. In 2017, it supported not only the two opening concerts, but also the subsequent opening festival lasting several weeks.

Between 2014 and 2020, the Kühne Foundation was the main sponsor of the International Music Festival. Initially conceived as a biennial, this festival has now firmly established itself on the European cultural calendar and enriches the cultural life of the Hanseatic city due to the diversity of the artistic offering and the performances of renowned artists, ensembles and orchestras. In 2021, the Kühne Foundation expanded

its partnership with the Elbphilharmonie Hamburg and is now a principal sponsor.

Hamburg State Opera

The Kühne Foundation has supported the Hamburg State Opera for more than 10 years. Since 2017, it has been the main sponsor of the Philharmonic State Orchestra and, with a major donation spread over five years, has made it possible, among other things, to extend the contract of the General Music Director Kent Nagano.

Zurich Opera House

Since the 2019/20 season, the Kühne Foundation has regularly supported Zurich Opera House, e.g. by sponsoring selected opera productions and the International Opera Studio.

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