

DEEP
KNOWLEDGE
GROUP

Swiss Longevity Valley Landscape Overview

February 2024

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Introduction

Switzerland stands at the brink of a transformative era, poised to redefine the future of aging and wellness through the pioneering initiative of the Swiss Longevity Valley.

This [platform](#) encapsulates Switzerland's ambitious journey to become the global epicenter of the Longevity Industry, leveraging its unparalleled strengths in biotechnology, finance, and healthcare innovation.

As the world grapples with the challenges and opportunities presented by an aging population, the Swiss Longevity Valley offers a beacon of hope and innovation. It embodies a strategic synergy of scientific research, financial acumen, and progressive governance aimed at enhancing human healthspan and pioneering the development of the Longevity Financial Industry.

We invite readers to explore the contours of a future where longevity is not just a dream but a tangible reality, nurtured in the heart of Switzerland.

Introduction

The concept of a "Longevity Valley," akin to the technological and innovative prowess of Silicon Valley, is taking a concrete form in Switzerland, positioning the nation as a pioneering hub for the Longevity Industry. This movement is not just a testament to Switzerland's existing strengths in biomedicine, precision health, and finance but also an ambitious stride towards becoming the world's first full-scope Longevity Industry MegaHub.

Switzerland's unique mix of advanced biomedicine, a globally renowned financial sector, and a societal appreciation for healthy aging and preventive healthcare sets a solid foundation for this endeavor. The Swiss demographic profile, characterized by one of the highest life expectancies in Europe and a significant number of centenarians, underscores the potential and urgency for advancing Longevity sciences and technologies. The nation's commitment to integrating artificial intelligence (AI) into its economic, financial, and healthcare systems further enhances its capability to lead in this transformative industry.

At the heart of the Swiss Longevity Valley initiative are three foundational pillars: Longevity Finance, Technology, and Progressive Governance. These pillars aim to foster a holistic ecosystem where innovation in geroscience and biotechnology can flourish, supported by a robust financial infrastructure that includes progressive asset management firms, investment banks, pension funds, and insurance companies. This financial ecosystem is poised to develop new business models leveraging AI for enhanced quality of analytics, thereby advancing the Longevity Financial Industry.

Introduction

Furthermore, the Swiss Longevity Valley emphasizes the critical role of technology and R&D in addressing age-related issues. The collaboration between academic and industrial representatives of the BioTech community is expected to create an auspicious ecosystem for high-tech startups, attracting investments and talent dedicated to solving some of the most pressing challenges of modernity related to aging.

Progressive governance also plays a crucial role in realizing the vision of the Swiss Longevity Valley. The Swiss government's support for R&D, alongside a national strategy for intensive healthcare system development, showcases a proactive approach to leveraging aging as an opportunity rather than a challenge. This includes fostering an ecosystem of insurance companies and developing a pension system that aligns with the Longevity Industry's goals.

Switzerland's status as an international BioTech hub and a leader in the financial industry and FinTech sector solidifies its prospects to lead the world in developing the Longevity Financial Industry. With the concerted efforts of the Swiss Longevity Valley, Switzerland aims to not only enhance the well-being of its population but also to set a global benchmark for the integration of Longevity sciences with economic and societal prosperity.

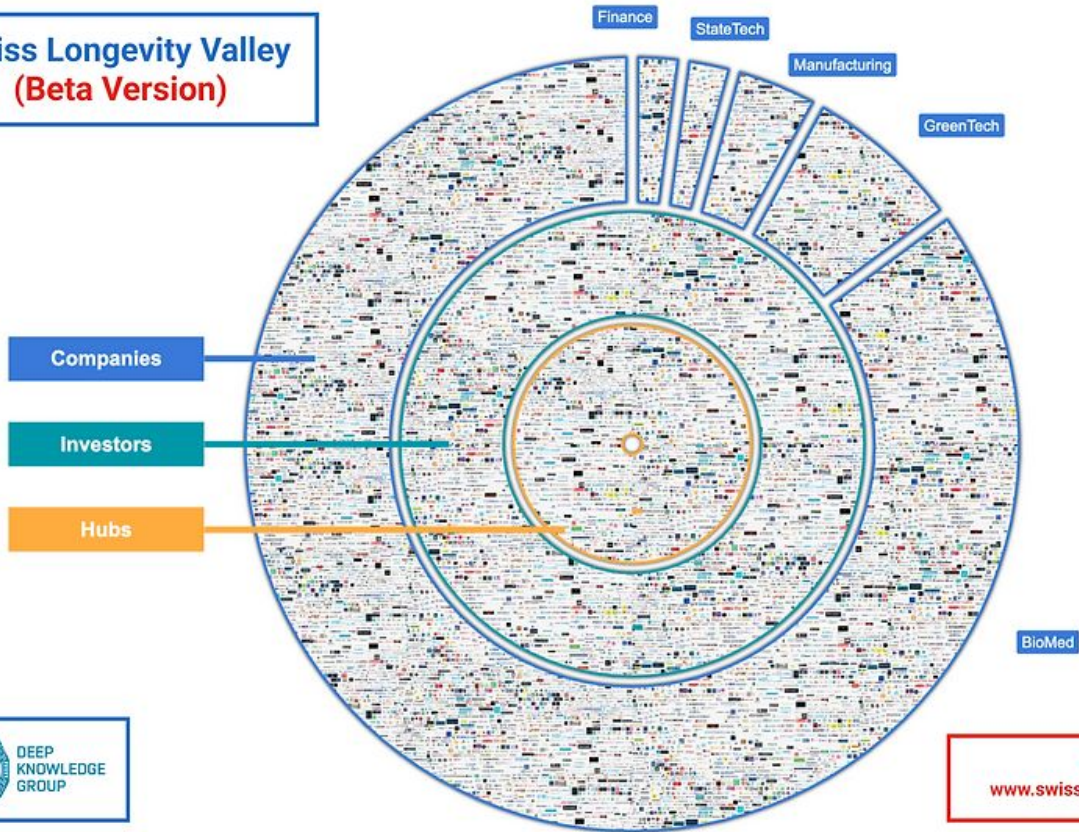
In essence, the Swiss Longevity Valley represents a comprehensive and strategic approach to cultivating a global epicenter for the Longevity Industry. By leveraging its unique strengths and fostering international collaborations, Switzerland is poised to lead in the creation of a future where aging is transformed from a societal challenge into a fountain of opportunity for innovation, health, and economic growth.

Swiss Longevity Valley

Platform Overview

Swiss Longevity Valley
(Beta Version)

Companies - 1890
Investors - 360
Hubs - 20



View more at
www.swiss-ecosystem.tech/longevity

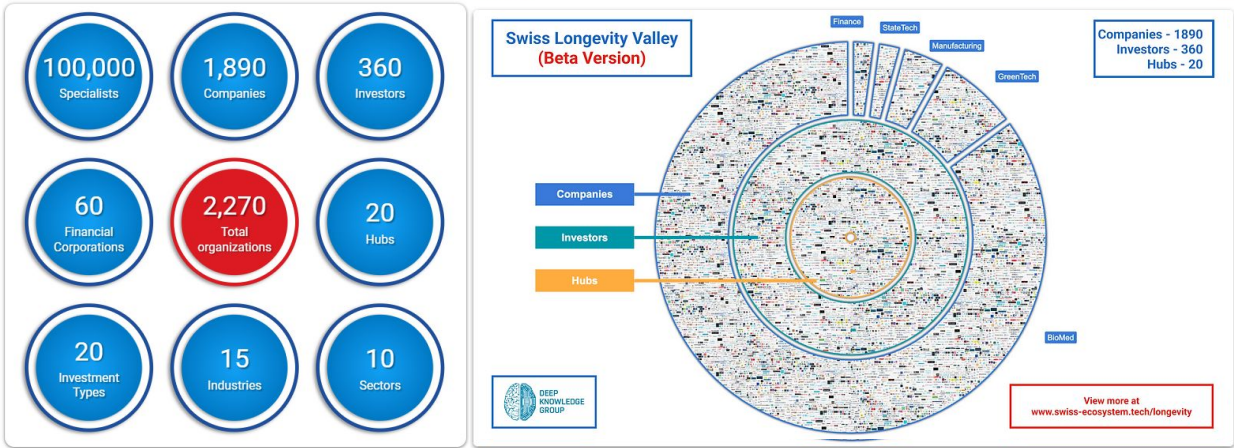
Source: [Swiss Longevity Valley - Interactive Mindmap](#)

Platform Overview



Swiss Longevity Valley (Beta Version)

Switzerland is emerging as a leader in the longevity industry, with its thriving ecosystem spearheading revolutionary advancements in extending human lifespan and enhancing health. The country's longevity sector is characterized by a rich tapestry of enterprises, research institutions, and healthcare providers, all working collaboratively to drive forward groundbreaking innovations in the field. This robust and interactive community is the result of meticulous research and strategic collaborations, offering deep insights into the networks and partnerships that are shaping Switzerland's role in the global longevity landscape.



Source: [Swiss Longevity Valley](http://www.swiss-ecosystem.tech/longevity)

Platform Overview

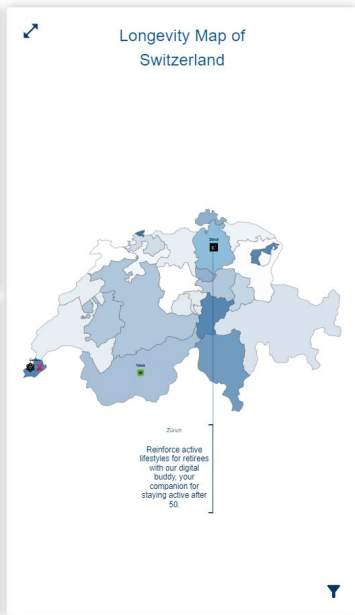
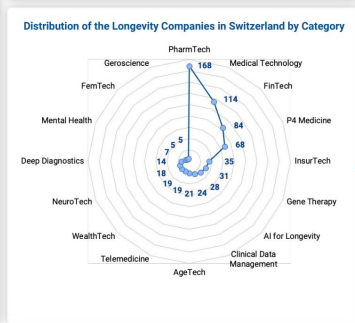
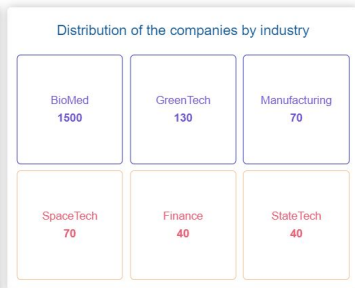
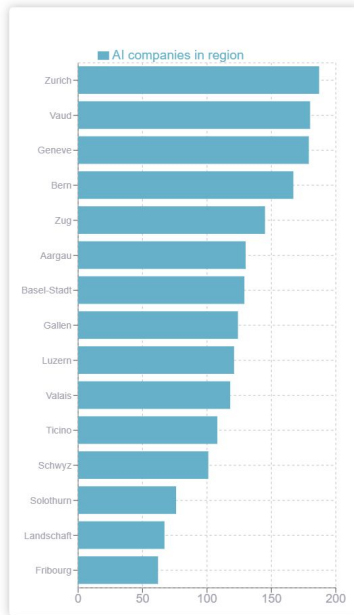
Switzerland Longevity

Total Organizations 2270

Total Number of Companies 1890

Number of Investors 360

BETA VERSION



Switzerland is emerging as a leader in the longevity industry, with its thriving ecosystem spearheading revolutionary advancements in extending human lifespan and enhancing health.

The country's longevity sector is characterized by a rich tapestry of enterprises, research institutions, and healthcare providers, all working collaboratively to drive forward groundbreaking innovations in the field. This robust and interactive community is the result of meticulous research and strategic collaborations, offering deep insights into the networks and partnerships that are shaping Switzerland's role in the global longevity landscape. Explore the database featuring influential figures shaping Swiss technology and innovation landscape. Delve into the profiles of decision-makers driving advanced solutions and visionary leaders charting the course for Swiss future in technolog

Source: [Swiss Longevity Valley](#)

Swiss Longevity Valley Summary

Switzerland Companies by Industry

<input type="radio"/> BioMed	1590
<input type="radio"/> GreenTech	120
<input type="radio"/> Manufacturing	60
<input type="radio"/> SpaceTech	60
<input type="radio"/> Finance	30
<input type="radio"/> StateTech	30



Investments in Switzerland

<input type="radio"/> Medium Investment	150
<input type="radio"/> Small Investment	30



Focus are of Investors

<input type="radio"/> Technology - oriented Investor with Venture Investment Focus	140
<input type="radio"/> Investors with Large AUM (Assets Under Management)	30
<input type="radio"/> For Profit	20
<input type="radio"/> Venture Capital	10
<input type="radio"/> Other	160



Companies by IPO Status

<input type="radio"/> Private	1800
<input type="radio"/> Public	90



Companies by Cantons

<input type="radio"/> Zurich	190
<input type="radio"/> Vaud	180
<input type="radio"/> Geneve	179
<input type="radio"/> Bern	167
<input type="radio"/> Zug	145
<input type="radio"/> Other	1029



Hubs in Switzerland

<input type="radio"/> Accelerators	6
<input type="radio"/> Incubators	6
<input type="radio"/> R&D Hubs	4
<input type="radio"/> University Hubs	3
<input type="radio"/> Government Offices	1



Source: [Swiss Longevity Valley](#)

Swiss Longevity Valley Knowledge Hub Beta Version

Scientific & IT Resources >

20 AI Books

20 AI Journals

200 AI Articles

15 AI Benchmarks

40 AI Reports

40 AI Databases

10 AI Software

20 AI Models

Education & Collaboration >

25 Conferences in Switzerland

20 Workshops in the Switzerland

20 Switzerland Certification Progr...

20 Switzerland University Programs

20 Online Courses in the Switzerl...

20 Lectures by Switzerland Leaders

20 Switzerland Research Projects

20 Scholarship Funds in the Switz...

Media & Trends >

40 Switzerland Leaders Interviews

25 Podcasts by Switzerland experts

50 Switzerland Blogs

500 News in the Switzerland

100 Social Networks in the Switz...

10 Market Trends in the Switzerland

10 Switzerland Diversity Trends

10 Women Leading the Field

Rankings & Top Leads >

1890 Switzerland Longevity Com...

120 DeepTech Leaders

360 Investors

60 Startups

20 Hubs

10 Switzerland Cities

30 Consulting Services in the Swit...

20 Switzerland Universities

Online Communities >

20 LinkedIn

20 Facebook

10 Reddit

10 GitHub

10 Quora

10 Twitter

10 Discord

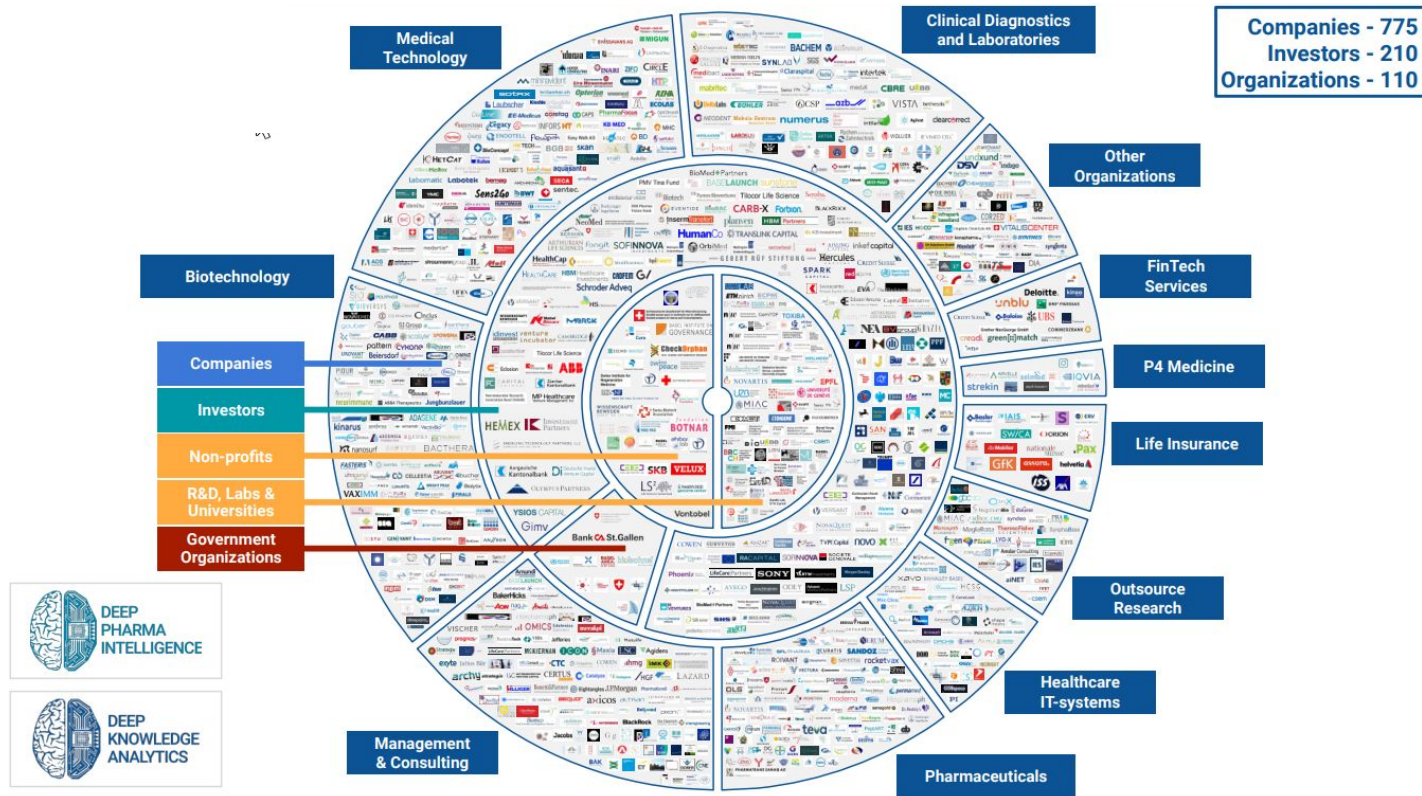
10 Other Forums

Source: [Swiss Longevity Valley Database](#)

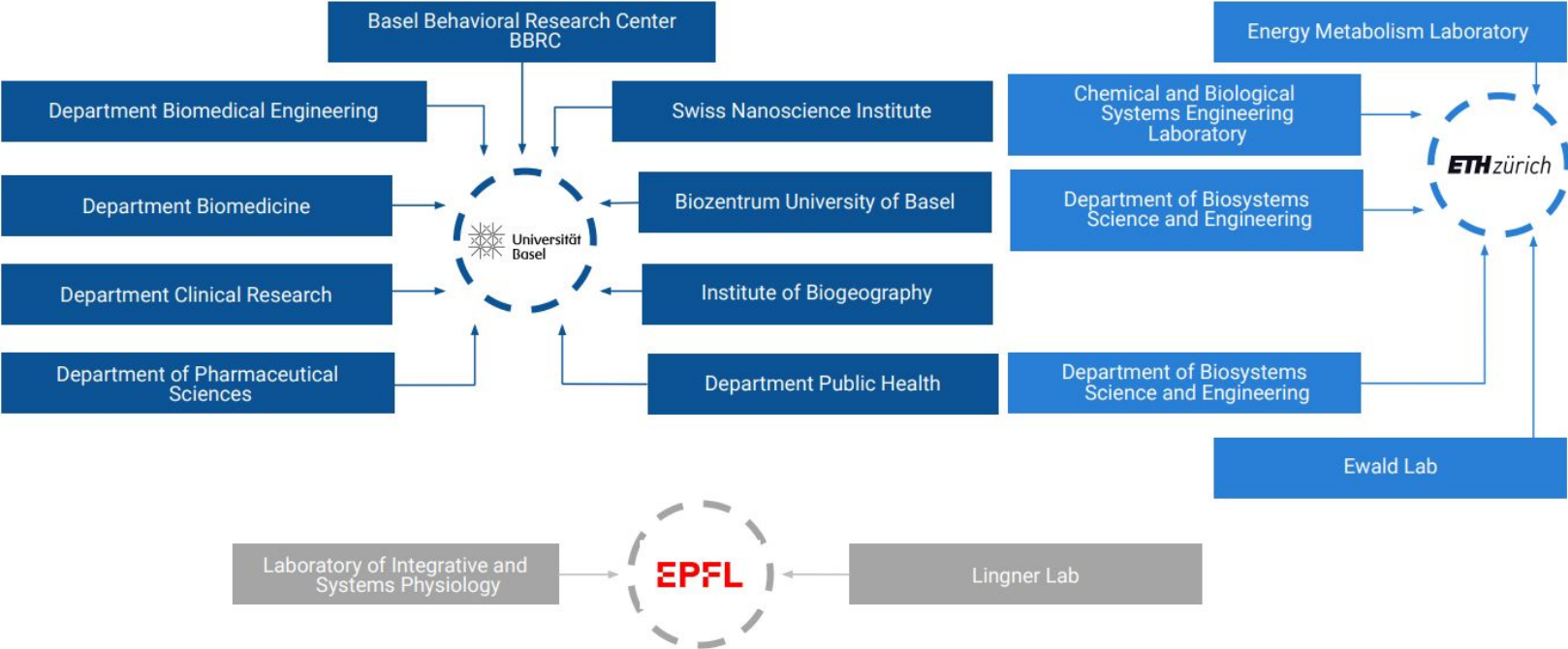
Swiss Longevity Valley

Current State

Basel Area Life Sciences Ecosystem



Largest Longevity R&D Centers in Switzerland



Timeline of Swiss Government Involvement in Longevity

Elderly Care Bank Established

St. Gallen is the first Swiss city to introduce a novel banking scheme in which retired care volunteers "deposit" hours worked looking after elderly people.

2010

National Platform for Palliative Care Strategy

The Confederation and cantons have promoted palliative care in Switzerland in a national strategy.

2012

Retirement 2020

Swiss government advocates that "living longer means working longer."

2014

Masterplan for the Promotion of Biomedical Research

The plan impacts the entire chain, from research and development, clinical research, market entry for biomedical products, and pricing and reimbursement by social security, all the way to the availability of these products in day-to-day healthcare.

2013

- Masterplan for the Promotion of Biomedical Research Renewed
- The VIA Project Launched

The overall goal of the VIA project is to promote the health of older people and strengthen their self-determination and independence in order to maintain or improve their quality of life and overall well-being, allowing them to continue living at home for as long as possible.

2017 Swiss Personalized Health Network (SPHN) established.

2016

Roadmap 2016–2021

For developing the next generation of clinical researchers.

2017

2018

2021-24

- ETH Zurich's Strategy and Development Plan on healthy and medicine areas with roadmap for 2021-2024 years
- Clinical research development program (Swiss Academy of Medical Sciences)

What Makes a Longevity Valley?

Financial Institutions and FinTech Companies: Switzerland's global reputation as a financial innovator is reflected in its role as a Longevity Financial Hub. The country's financial sector, with a strong presence of progressive asset management firms, investment banks, pension funds, and insurance companies, is pioneering new business models using AI for enhanced analytics, thereby accelerating the development of the Longevity Financial Industry.

Biotechnology and Pharmaceutical Companies: Central to the Swiss Longevity Valley are its biotech and pharmaceutical clusters, particularly noted in Basel, part of the BioValley, which spans three countries. This hub is characterized by a high concentration of companies, a wealth of skills and experience in the life sciences, and a world-class research base, making it a global life-science hub.

Research Institutions and Universities: Switzerland boasts a robust research environment with institutions dedicated to geroscience, precision medicine, and digital health. These academic hubs foster an atmosphere of innovation, supporting the translation of scientific discoveries into practical applications for the Longevity Industry.

Policy and Government Organizations: The Swiss political system's responsiveness to demographic changes underscores its role as a Longevity Policy and Government Hub. The government's support for R&D, coupled with initiatives to develop a comprehensive healthcare system, positions Switzerland to leverage aging as an opportunity rather than a challenge.

Non-Profit Organizations and Think Tanks: Non-profit organizations and think tanks are instrumental in transforming Switzerland into a world-leading Longevity Valley. These organizations facilitate dialogue and collaboration across sectors, promoting Switzerland as an epicenter for the Longevity Industry.

Precision Clinics and Healthcare Facilities: The development of precision clinics and healthcare facilities specializing in personalized and preventive medicine is a critical component of Switzerland's Longevity ecosystem. These institutions leverage the latest in medical technology and research to provide care that is tailored to the individual, contributing to the nation's high life expectancy and quality of life.

Swiss Longevity Valley: Examples of Key Hubs

ETH zürich

BIOZENTRUM
Universität Basel



Swiss Federal Institute of Technology in Zurich (ETH Zurich)

As one of the world's leading universities for technology and natural sciences, ETH Zurich is pivotal in advancing longevity research through its interdisciplinary studies, which include biology, computational science, and engineering. Its role in fostering innovation and developing new technologies makes it a cornerstone institution in Switzerland's Longevity Valley.

University of Basel's Biozentrum

Specializing in molecular and biomedical research, the University of Basel's Biozentrum is at the forefront of understanding the mechanisms of aging. Its work in cellular aging, neurodegenerative diseases, and stem cell research contributes significantly to the longevity sector, supporting Switzerland's ambition to be a global leader in longevity science.

Swiss Biotech Association (SBA)

The SBA represents the interests of the Swiss biotech industry and is instrumental in creating a favorable environment for longevity biotech companies. By facilitating networking, collaboration, and innovation, the SBA plays a crucial role in the ecosystem, ensuring the growth and sustainability of longevity-focused enterprises.

Longevity Swiss Foundation

Based in Geneva, launched in 2019 with the support of the Biogerontology Research Foundation, this Geneva-based non-profit organization and think tank has quickly ascended as a leading entity in the Longevity domain. Its mission is ambitious yet clear: to leverage the exceptional potential of Switzerland—and Geneva, in particular—to transform the nation into a preeminent Longevity Hub on the global stage.

Swiss Longevity Valley: Examples of Key Hubs



Lausanne University Hospital (CHUV)

As a leading medical research institution, CHUV contributes to longevity science through its clinical trials and research in geriatrics and age-related diseases.

Its integration of research, education, and healthcare delivery models exemplifies the multidisciplinary approach required for advancements in longevity.



Swiss Re Institute:

Leveraging its expertise in risk research, the Swiss Re Institute contributes to the longevity industry by exploring the implications of aging populations on insurance and financial services. Its research helps develop innovative insurance products and services tailored to the needs of an aging society.



BioValley Basel

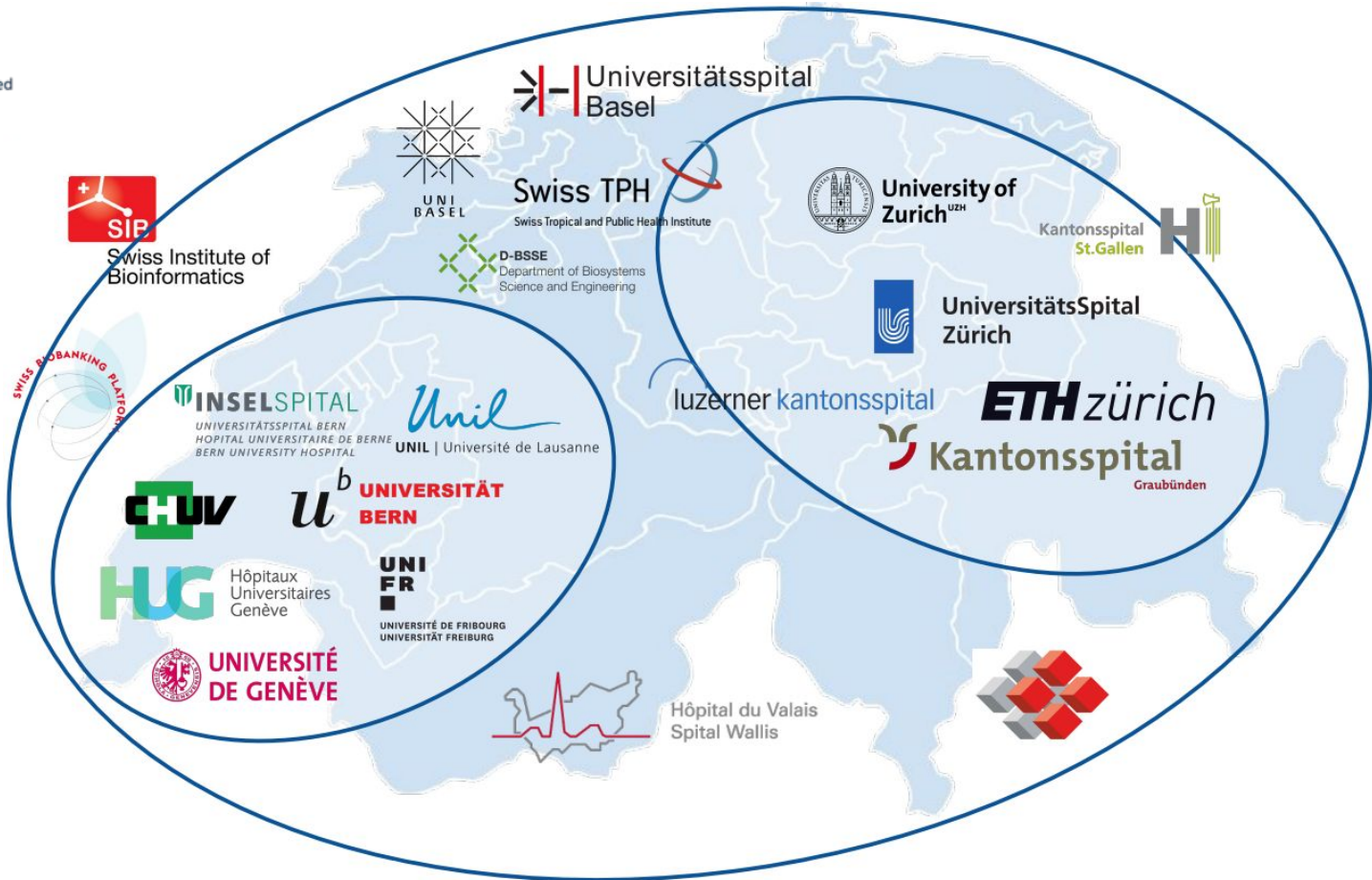
A trinational biotech cluster that includes Switzerland, Germany, and France, with Swiss Basel playing a central role. It facilitates collaboration between companies, research institutions, and startups, driving innovation in life sciences, including longevity research and biotechnology.



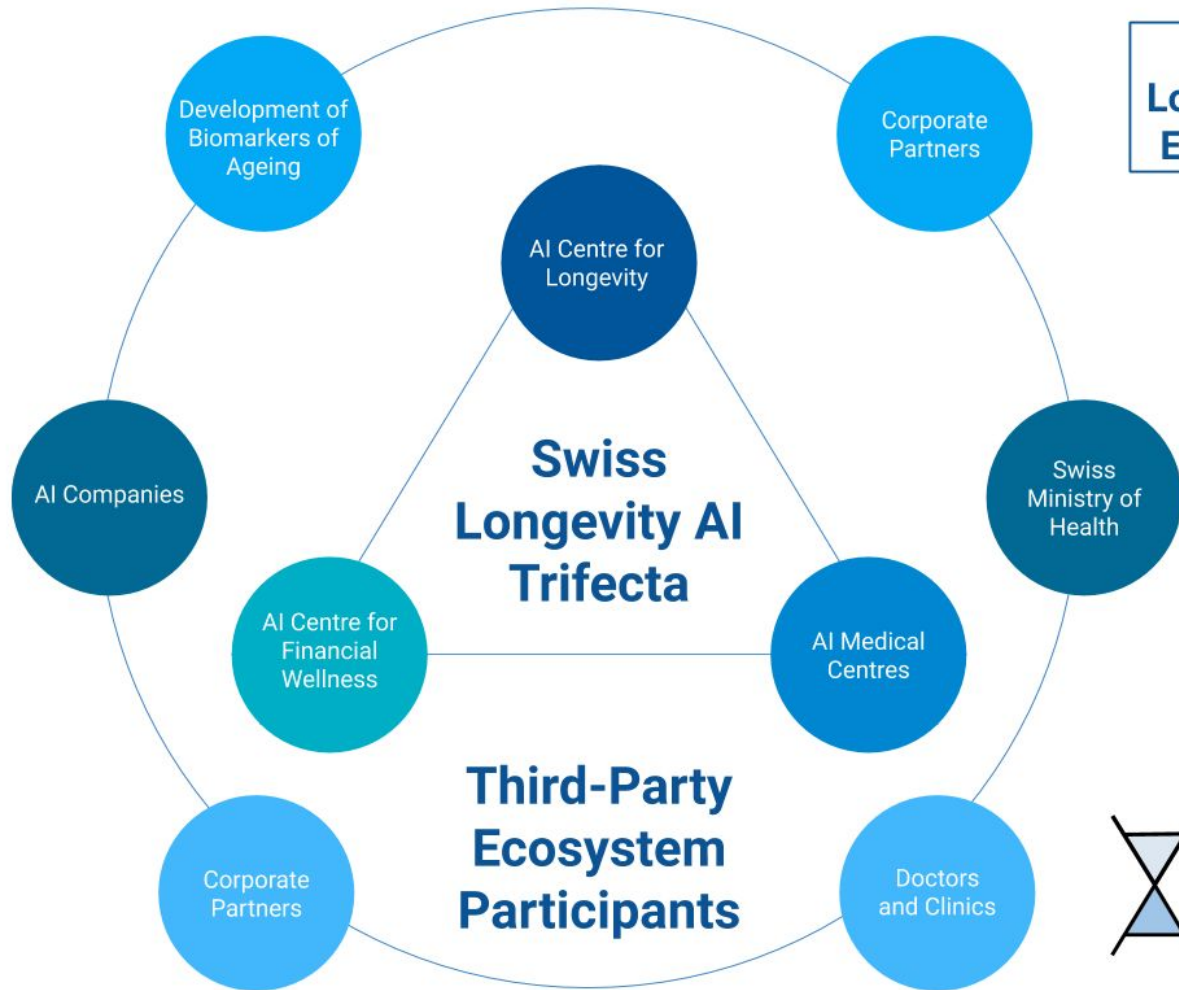
Federal Office of Public Health (FOPH)

The FOPH is instrumental in shaping Switzerland's health policy landscape, including frameworks that support biomedical research and innovation. By ensuring a high-quality, effective, and affordable healthcare system, the FOPH underpins the societal and regulatory foundations necessary for a thriving longevity industry.

Swiss Personalized Health Network (SPHN)



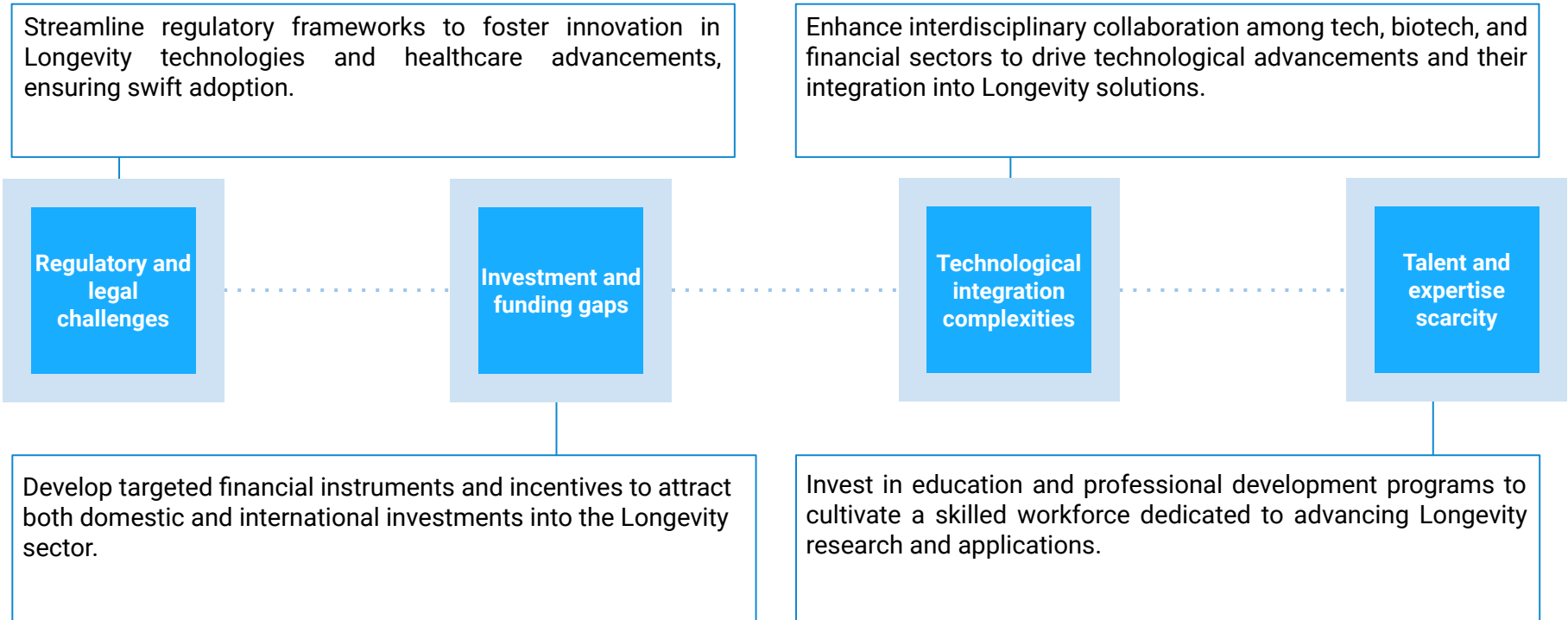
**Swiss
Longevity AI
Ecosystem**



Swiss Longevity Valley

Key Conclusions and Road Ahead

Obstacles and Solutions to Longevity Valley Emergence in Switzerland



History, Current State and The Road Ahead

Where is the Swiss Longevity Valley Headed?

History

History: Switzerland's journey towards becoming a Longevity Valley has deep roots in its historical strengths in biomedicine, precision health, and finance. Known for its high standards of living, healthcare, and nutrition, Switzerland has consistently had one of the highest life expectancies in Europe. The country's rich tradition in biotechnology, coupled with its status as a global financial hub, has set the stage for the evolution of a unique ecosystem that bridges advanced healthcare and economic prosperity. This foundation has been instrumental in Switzerland's emergence as a contender for the world's first Longevity Valley.

Current State

Today, Switzerland stands at the forefront of the Longevity Industry, driven by its innovative financial sector, world-class biotech clusters, and robust healthcare system. Cities like Basel, Lausanne, and Zürich have become Longevity-friendly hubs, housing precision clinics, influential companies, and research institutions dedicated to extending human healthspan. The country's focus on preventive medicine and personalized healthcare, supported by intensive application of AI, positions it as a leader in the shift from precision medicine to precision health, aiming to optimize national health and extend healthy longevity.

The Road Ahead

Looking ahead, Switzerland's potential to solidify its position as the world's first full-scope Longevity Valley is immense. By continuing to leverage its unique mix of advanced biomedicine, precision health, and internationally renowned financial sector, Switzerland aims to create a fully integrated "Healthspan-Wealthspan" ecosystem. With plans to implement specific programs focusing on a Longevity-progressive pension system and insurance company ecosystem, alongside a national strategy for advanced geroscience and FinTech, Switzerland is poised to become a leading global hub for the Longevity Financial Industry by 2025.

Key Takeaways



Switzerland's Unique Positioning: Switzerland is uniquely positioned to lead the global Longevity Industry due to its exceptional mix of advanced biomedicine, precision health, robust financial sector, and a supportive regulatory environment. This unique blend not only facilitates the development of groundbreaking Longevity technologies and therapies but also attracts investment and talent, fostering an ecosystem ripe for innovation and growth.



Interdisciplinary Collaboration Is Key: The success of Switzerland's Longevity Valley hinges on interdisciplinary collaboration among biotechnology, financial, healthcare, and policy-making sectors. This collaborative approach is essential for translating scientific discoveries into practical applications, navigating regulatory landscapes, and creating financial instruments that support Longevity projects.



Potential to Shape the Future of Aging: The trajectory of Switzerland's Longevity Valley offers a glimpse into the future of aging, where longevity is not just about extending life but enhancing the quality of life through healthspan. By focusing on preventive medicine, personalized healthcare, and integrating advanced technologies, Switzerland is at the forefront of redefining aging and health in the 21st century.

Deep Knowledge Group

