



Deep Knowledge Group

OVERVIEW



World Leader in Analytics for Deep Tech Industries



World's Largest Knowledge & Collaboration IT Platform for Longevity & Deep Tech

**Longevity
Aging
FemTech
COVID-19
Deep Pharma**



**Future FinTech
InvestTech
NeuroTech
SpaceTech
GovTech**



Deep Knowledge-Driven Social Impact and Government Relationships

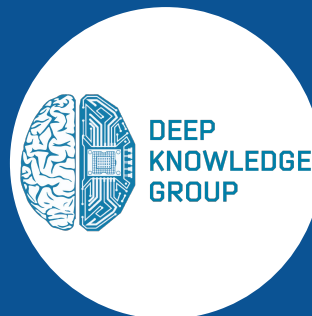


Deep Knowledge-Driven Smart Investments Projects

Geography of DKG

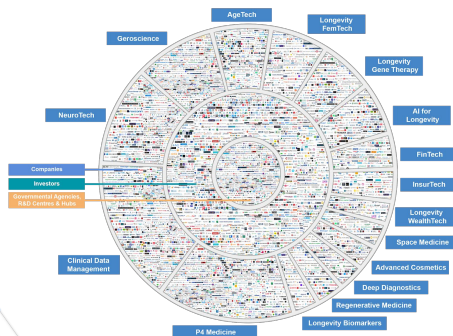
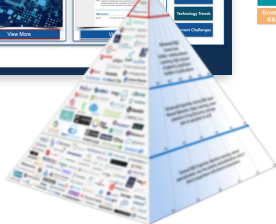
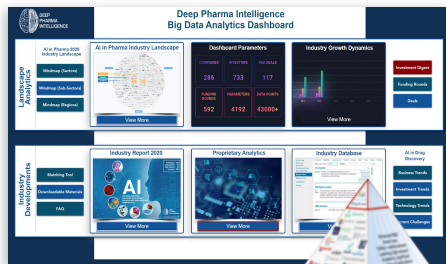


Longevity
Aging
FemTech
COVID-19
Deep Pharma



Future FinTech
InvestTech
NeuroTech
SpaceTech
GovTech

World Leader in Analytics for Deep-Tech Industries



AI
Big Data
Neuronets
DeepSWOT
60M Data Points

LONGEVITY INTERNATIONAL

AGING ANALYTICS AGENCY

DEEP KNOWLEDGE GROUP

THE RISING WAVE OF HUMAN BIOMARKERS OF LONGEVITY

LANDSCAPE OVERVIEW 2021

www.agiginalytics.com

Longevity Industry Landscape Overview 2019

200+ Page Infographic Summary

Global Longevity Governance Landscape

50 Countries Big Data Comparative Analysis of Longevity Progressiveness

AGING ANALYTICS AGENCY

www.agiginalytics.com

2D MindMaps
3D MindMaps
Dashboards
Reports

Deep Knowledge-Driven Social Impact and Government Relationships

Forbes

FT FINANCIAL
TIMES

FORTUNE

CNN

Daily Mail

BBC

The Guardian

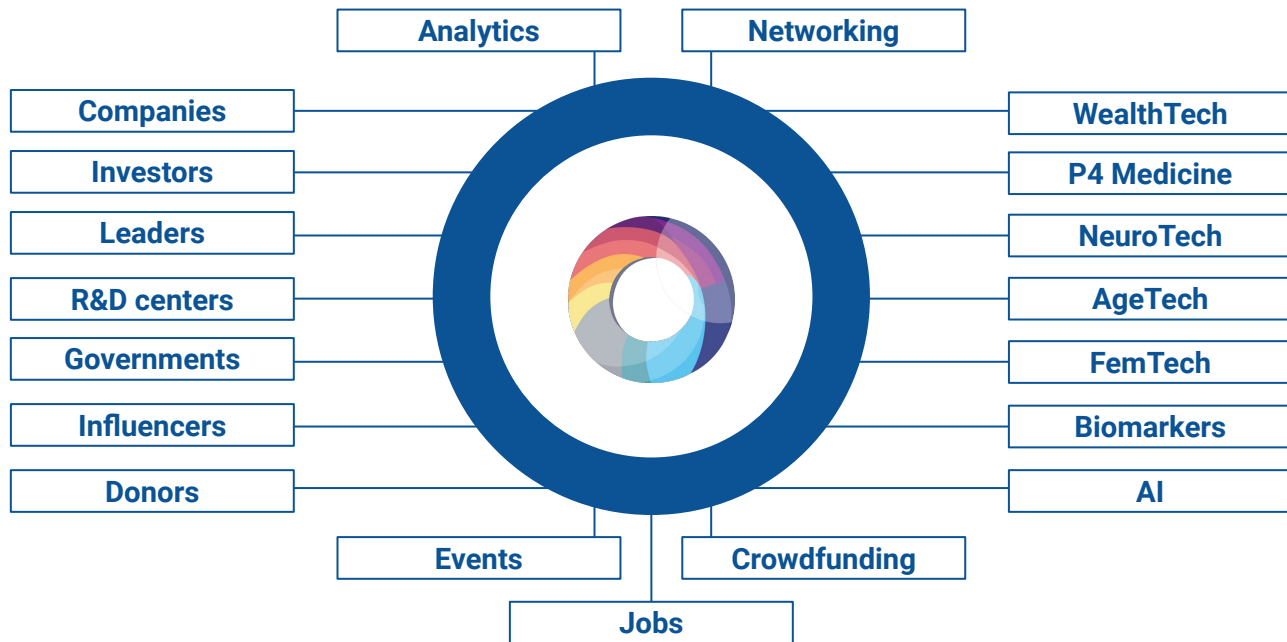


Media
Influence
Government
Relations
Charity



Conferences
Book publishing
Government
Policies

World's Largest Knowledge & Collaboration IT Platform for Longevity & Deep Tech



www.longevity.international

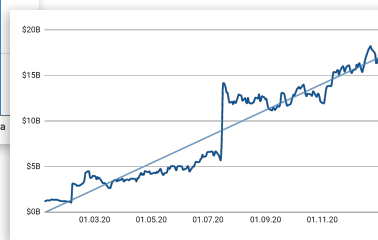
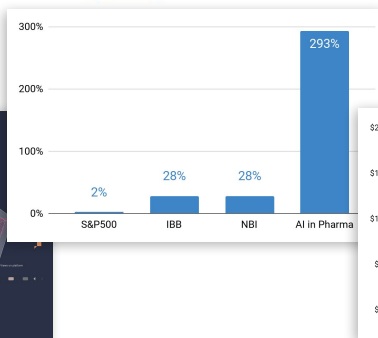
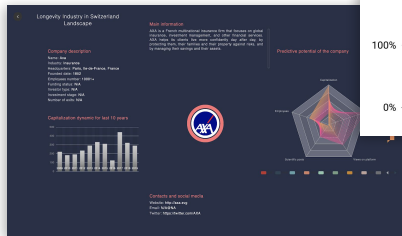
Analytics
Networkings
Community
Databases
Reports



DEEP
KNOWLEDGE
GROUP

Crowdfunding
Cooperation
Investments
M&A
Jobs

Deep Knowledge-Driven Smart Investment Projects



Longevity Financial
Advisory

Longevity Investment Bank

Big Data Investment
Analytics Dashboards

Structured Financial Products

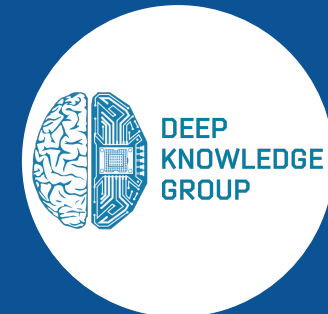
Longevity Banking
Card

AMC & Performance
Trackers

Longevity
US/UK SPV

AI in Pharma
Exchange
Traded Fund

Longevity
Exchange
Traded Fund



Longevity Card
AI in Pharma ETF
Longevity ETF
Investment IT
Platform

How to Partner?

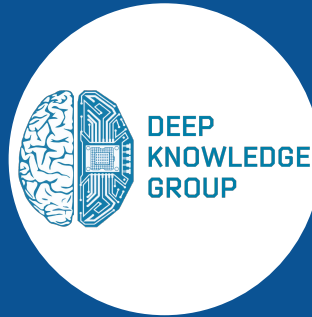


- Use our Analytics for business and public administration purposes
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- Get access to Longevity & Deep Tech knowledge and contacts
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Longevity
Aging
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COVID-19
Deep Pharma



Future FinTech
InvestTech
NeuroTech
SpaceTech
GovTech



Longevity
Swiss
Foundation



- Join our Government Policy Initiatives
- Support our Social and Charity Projects
- Participate in Conferences with the world's best experts
- Receive our \$1,000,000 Longevity Prize by living to 123



- De-Risk your Deep Tech investment portfolio
- Order Deep Tech advisory, DueDil, IR
- Invest in our Deep Tech Products
- Invest with our NextGen IT Platform
- Use a Longevity bank card

Deep Knowledge Generation and Implementation

As the beginning of DKG, Deep Knowledge Ventures was founded in 2014 as a data-driven investment fund focused on the synergetic convergence of DeepTech, frontier technologies, and renowned for the use of sophisticated analytical systems for investment target identification and due diligence.

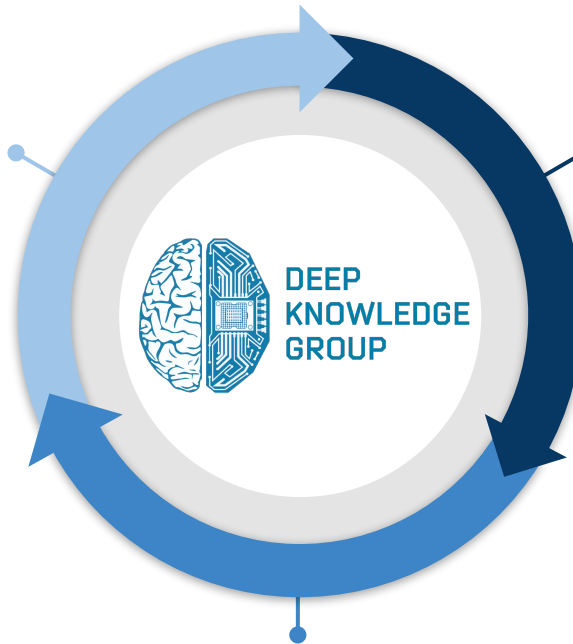
During the development, the company has established 3 main principles:

Deep Knowledge Group values Knowledge above profit - a vision embedded in its very name and brand

- Deep Knowledge Ventures fund considers its analytical subsidiaries among its most precious assets, marshalling the fund toward a long-term strategic vision
- Analytical subsidiaries are the knowledge engines driving the investment strategy of Deep Knowledge Group, producing open-source and proprietary analytics and advanced BigData Visualization Solutions

Comprehensive & Insightful Overview of Technologies and Markets

Analytical landscape reports, investment digests, in-depth methodologies, advanced visualization tools



Big Data Aggregation, Analysis, and Visualization

Automated data parsing, aggregation, optimization Machine learning and deterministic scoring algorithms Competitor matching, and due diligence results

Advanced DeepTech Research & Analysis

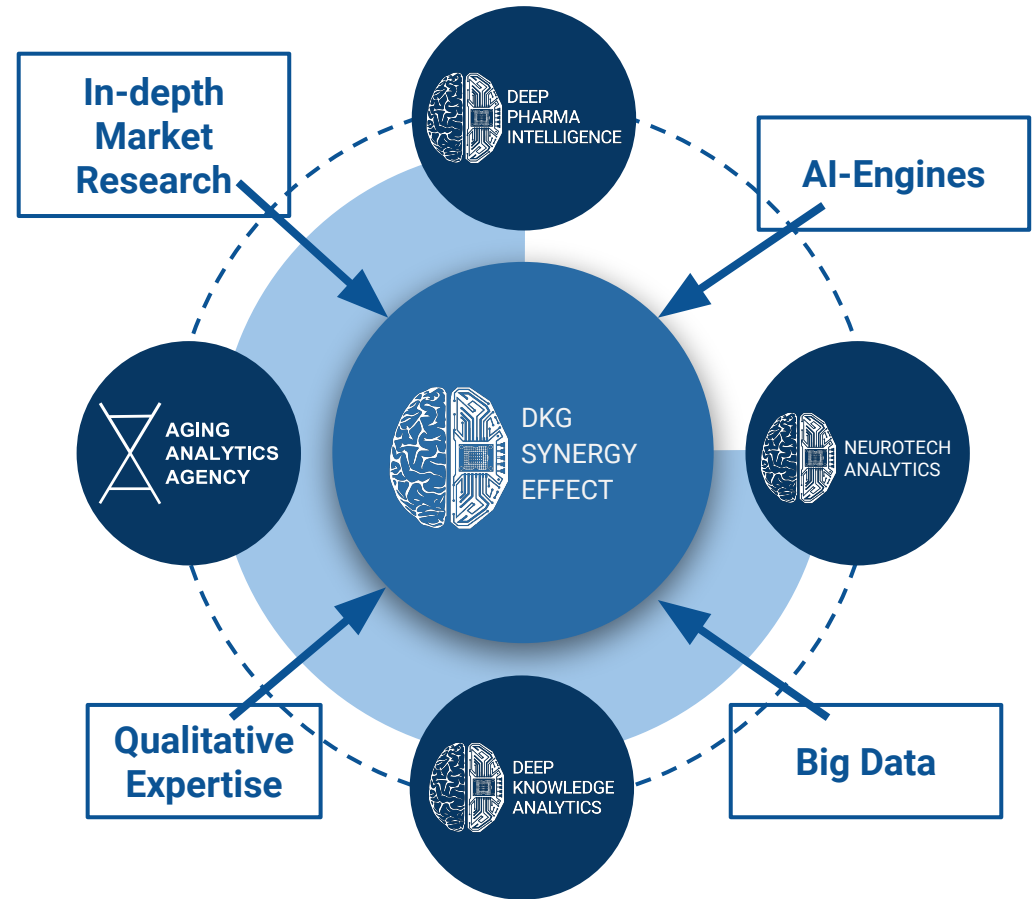
AI-driven solutions, SWOT-analysis, neural engines recommendations

Deep Knowledge Generation and Implementation

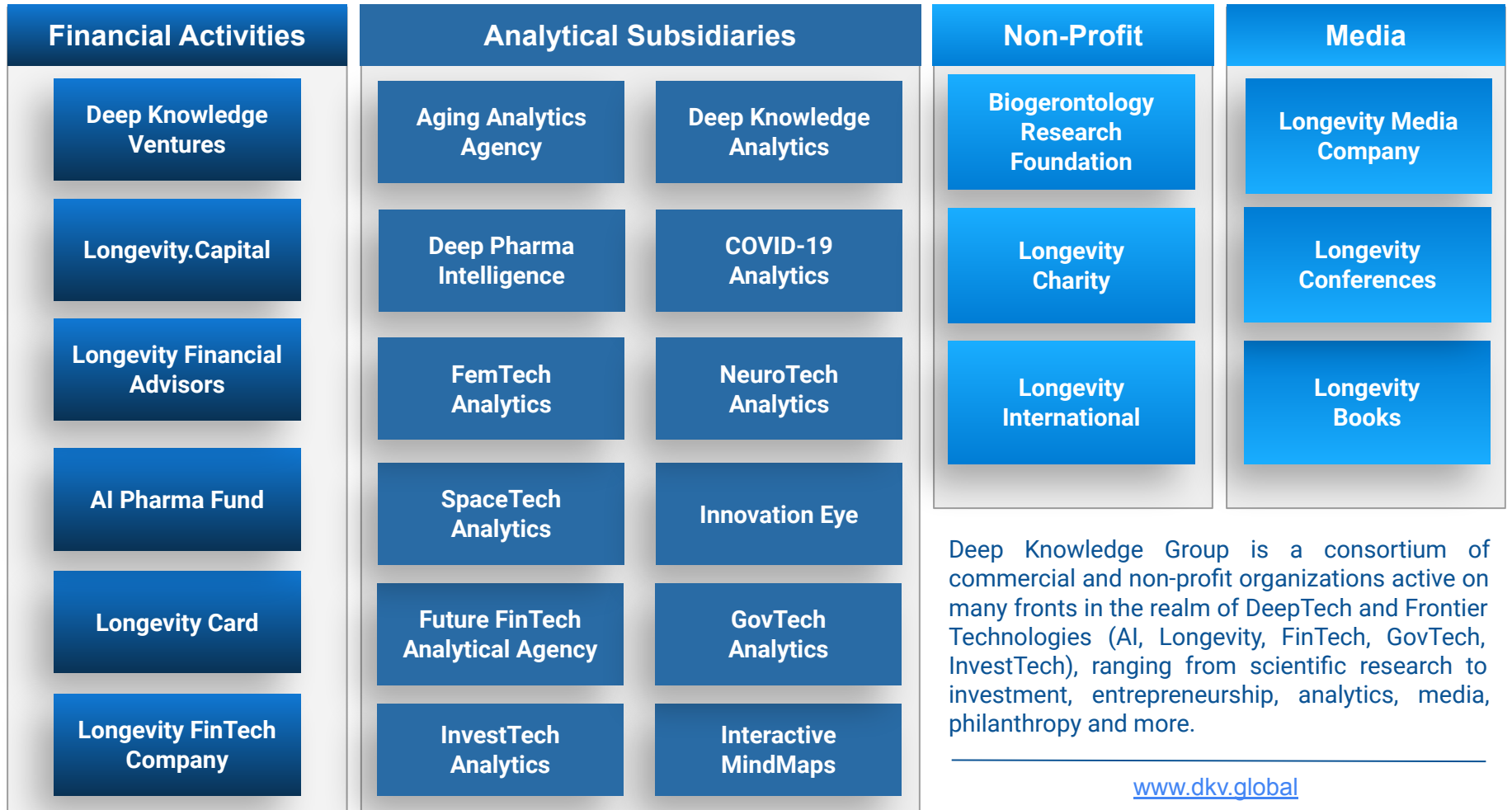
Deep Knowledge Group, as an organization active on many fronts in the realm of DeepTech and Frontier Technologies, is obliged to remove a discrepancy between skyrocketing High-Tech markets and obsolete technologies of analytical tools.

DKG considers its analytical subsidiaries among its most precious assets, as it allows to carry out qualitative analysis of a broader range of markets without loss of in-depth-class expertise. Moreover, Deep Knowledge Group as the sole holder of information from its subsidiaries, receives a unique synergy perspective on the market, generating exceptional, one-of-a-kind insights and solutions.

Analytical subsidiaries are the knowledge engines driving the investment strategy of Deep Knowledge Group, producing open-source and proprietary analytics and advanced Big Data Visualization Solutions.



Deep Knowledge Group Structure



Deep Knowledge Group is a consortium of commercial and non-profit organizations active on many fronts in the realm of DeepTech and Frontier Technologies (AI, Longevity, FinTech, GovTech, InvestTech), ranging from scientific research to investment, entrepreneurship, analytics, media, philanthropy and more.



INTERNATIONAL LONGEVITY POLICY AND GOVERNANCE SUMMIT
11 November 2020
13:00-16:00 Online

LongevityUK

In collaboration with

LONGEVITY UK
KING'S COLLEGE LONDON
STEP CHANGE FOR AGING
Biogerontology



Neurotech2020

Home Program Video Speakers

30 Nov - 11 Dec 2020

THE digital congress for neurotechnology innovation and growth, brought to you by neurotech.com

This interactive 2 week virtual conference hosted by neurotech.com features keynote speakers, panels, interviews, breakout sessions, networking opportunities ... and more.

FREE TICKETS



1 Hour Until Will Start Longevity Industry 1.0 Guest Author Roundtable

«Longevity Industry 1.0: Defining the Biggest and Most Complex Industry in Human History»

13th of October
9:00-10:00 PDT / 17:00-18:00 BST / 18:00-19:00 CET

Longevity Industry Framework

Robin Farmanfarmaian, Kate Batz, Dmitry Karaminsky, Sergey Balasanyan, Franco Cortese



INTERNATIONAL LONGEVITY POLICY AND GOVERNANCE SUMMIT
November 12, 2019
King's College London

LongevityUK

Supporting Partners

KING'S COLLEGE LONDON
STEP CHANGE FOR AGING
Biogerontology
LongevityUK



TARGETING METABESITY 2019
15-16 October 2019 | Washington, DC, USA



AI FOR LONGEVITY SUMMIT 2019

Organized by

Longevity AI Consortium

Supporting Partners

November 12, 2019 18:30 - 19:30
King's College London

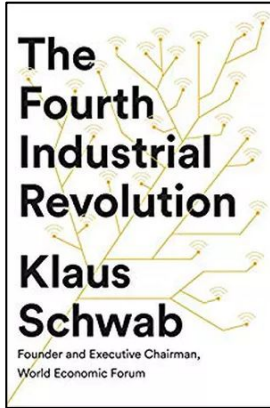
Biogerontology
AGING ANALYTICS AGENCY
KING'S COLLEGE LONDON

ALL CONFERENCES

**Please click on buttons and pictures to learn more*

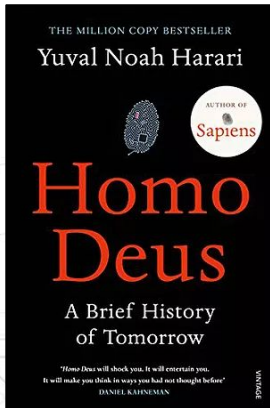
www.dkv.global/conferences

Deep Knowledge Group Notable Acknowledgements



"Deep Knowledge Ventures, a Hong Kong-based venture capital fund that invests in life sciences, cancer research, age-related diseases and regenerative medicine has appointed an artificial intelligence algorithm called VITAL (Validating Investment Tool for Advancing Life Sciences) to its board of directors.

Klaus Schwab "The Fourth Industrial Revolution", page 149



"In May 2014 Deep Knowledge Ventures – a Hong Kong venture-capital firm specialising in regenerative medicine – broke new ground by appointing an algorithm called VITAL to its board. VITAL makes investment recommendations by analysing huge amounts of data on the financial situation, clinical trials and intellectual property of prospective companies. Like the other five board members, the algorithm gets to vote on whether the firm makes an investment in a specific company or not."

Yuval Noah Harari "Homo Deus: A Brief History of Tomorrow", page 437



Benjamin Netanyahu
Prime Minister of Israel

Israel has been ranked first in the Covid-19 Health Safety Countries Ranking on the Deep Knowledge Group website.



Hong Nam-ki
Deputy Prime Minister of South Korea

Finance Minister Hong Nam-ki posted a Forbes article that ranked South Korea as the third safest out of 100 countries around the world during the COVID-19 pandemic.



Karin Prien
German Minister for Education, Science and Culture

Germany is very far ahead in the country comparison: "Compared to the other countries, Germany currently has the best security and stability ranking in Europe and is also one of the leading nations worldwide in terms of crisis management."



Judith Varga
Hungarian Minister of Justice

We are grateful for all healthcare workers and first responders battling the coronavirus. Hungary will continue to focus all its efforts on protecting the lives of its citizens and mitigating the adverse health and economic impacts of the pandemic.



Fabrice Filliez
Ambassador of Switzerland to Singapore

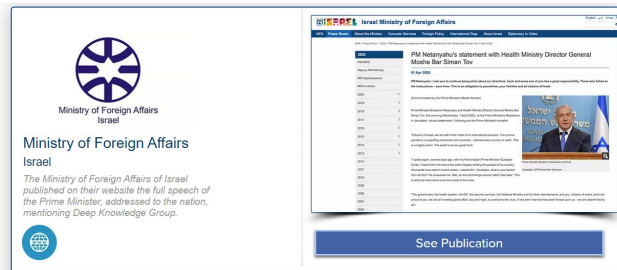
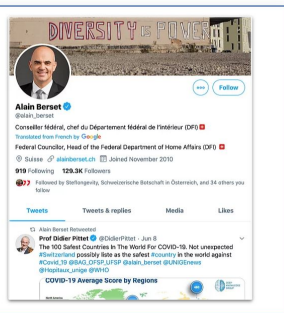
Deep Knowledge Group's report, based on 130 parameters, ranks Switzerland #1 due to its economy's resilience & careful ways to relax lockdown without sacrificing public health and safety.

FORMER PRESIDENT



Alain Berset
Former President of Switzerland

Alain Berset is Federal Councillor, Head of the Federal Department of Home Affairs (DFH) and former President of the Swiss Confederation. Alain Berset mentioned Deep Knowledge Group's COVID-19 Safety Ranking published on 4th of June 2020 on his Twitter account.



Deep Knowledge Group's Covid-19 Rankings in Press

DER SPIEGEL 


"According to a ranking, the Federal Republic is currently the safest and most stable country in Europe and even the second safest in the world. Only Israel manages the crisis better, according to the country comparison of the London Deep Knowledge Group (DKG), which is exclusively available to SPIEGEL."

[Read Article](#)

NIKKEI ASIAN REVIEW 

"The countries that will be able to provide long-lasting protection for their citizens, and stay stable, they will to some extent automatically attract financial activity," Dmitry Kaminskiy, DKV's founder and managing partner, told the Nikkei Asian Review."

[Read Article](#)

FOX NEWS CHANNEL 


"The Palestinians benefit from the Israeli assistance, since Israel was just ranked the safest country in the world during the pandemic by the Deep Knowledge Group." - Fox News says."

[Read Article](#)

DW Deutsche Welle 

"Germany is the safest country in Europe, with Greece in 30th place and Cyprus in 29th place. In their research, DKG analysts took into account many different criteria, such as the validity of restrictive measures, the number of quarantine violations, the range of travel bans, the number of diagnostic tests and the availability of hospital beds."

[Read Article](#)

Esquire 


"Deep Knowledge Ventures, which is focused on health care and longevity technology, ranked 20 countries in Asia Pacific on these parameters: lowest likelihood of infection, lowest chance of mortality, and highest likelihood of recovery based on efficiency of quarantine and government management, monitoring and detection, and emergency treatment readiness."

[Read Article](#)

Forbes 

"The Deep Knowledge Group, a respected consortium of commercial and non-profit organizations, has just published an interim review of measures to combat the COVID-19 pandemic, including a "Safety Countries Ranking" of the 40 countries that are doing the best job of protecting their citizens against coronavirus."

[Read Article](#)

RTL 


"In order to assemble the ranking, DKG analysts gathered information on several factors, including the period of lockdown and the number of confinement infractions per country. Other indicators are travel bans, coronavirus testing and how well hospitals are equipped in each country."

[Read Article](#)

WELT 


"According to Deep Knowledge Group Germany manages extremely well to protect its population against the dangers of coronavirus. In an analysis by the Hong Kong and London-based company, Germany ranks the second worldwide when it comes to providing security and dealing with the crisis."

[Read Article](#)

The Washington Times 

"A list of the world's 10 current "safest countries," compiled by the London-based Deep Knowledge Group, includes classic European-style parliamentary democracies (Israel, Australia and New Zealand), densely populated city-states (Singapore and Hong Kong) and totalitarian (China)."

[Read Article](#)

Forbes 

"Deep Knowledge Group has developed advanced analytical frameworks to analyze this data. The results are presented in the form of open source country rankings to help people and governments make informed decisions that maximize beneficial outcomes for humanity."

[Read Article](#)

DER SPIEGEL 

"Internationally, its crisis management is praised. In the country comparison of the London Deep Knowledge Group on the corona crisis, Germany is currently the safest and most stable country in Europe and the second safest in the world, with Israel as the front runner. Saphn can be celebrated and gives interviews to international broadcasters such as CNN."

[Read Article](#)

euronews. 

"According to research by Deep Knowledge Group, the COVID-19 crisis is best managed by Israel on a global scale. Germany is the second and South Korea is the third. Deep Knowledge Group, a London-based artificial intelligence and data analysis company."

[Read Article](#)

DEEP KNOWLEDGE GROUP'S COVID-19 RANKINGS ON NATIONAL TV CHANNELS GLOBALLY





"In a world first, Japanese venture capital firm Deep Knowledge recently named an artificial intelligence (AI) to its board of directors. The robot, named Vital, was chosen for its ability to pick up on market trends 'not immediately obvious to humans'"



"For Deep Knowledge Ventures, the Hong Kong-based venture firm that added a machine learning algorithm named VITAL to its board in 2014, it was about adding a tool to analyse market data around investment opportunities."



"The firm, Deep Knowledge Ventures (DKV), which invests in companies researching treatments for age-related diseases and regenerative medicine, uses the algorithm to analyze financing trends to make investment recommendations in the life sciences sector."



"Deep Knowledge Ventures said that the AI would help make financial and business decisions, help lead its research into biotechnology and regenerative medicine, and would act as an "equal member of the board".



"Artificial intelligence gets a seat in the boardroom. Hong Kong venture capitalist sees AI running Asian companies within 5 years."



"The One Billion Retired People Globally are a Multi-Trillion Dollar Opportunity for Business" - Dmitry Kaminskiy for Financial Times



An Insight Of AI's Penetration In Drug Development Market. Thanks to Deep Knowledge Ventures which a couple of days ago updated their research data, we took the opportunity to delve into the latest developments of this market.



"A venture capital firm has appointed a computer algorithm to its board of directors. According to Deep Knowledge Ventures, Vital has already approved two investment decisions. The software was developed by UK-based Aging Analytics."

Deep Knowledge Group Management Team

General Partner
Dmitry Kaminskiy

Deep Knowledge Group Management Team



Dmitry Kaminskiy

General Partner
Head of Strategy
Government Relations and
International Development



Stefan Hascoet

Partner
Head of Swiss Branch and
Financial Investment Division



Kate Batz

Partner
Head of US Branch and
FemTech Division



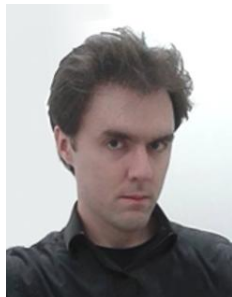
Sergey Balasanyan

Partner
Head of
FinTech Division



Franco Cortese

Head of
Longevity Analytics



Ian Inkster

Head of
Policy Initiatives



Ihor Kendiukhov

Head of
Algorithmic Analytics



Alexander Holodny

Head of
UK Activities

Dmitry Kaminskiy - Founder and General Partner of Deep Knowledge Group

- **Deep Knowledge Ventures: Founder & Managing Partner**
- **Longevity.Capital: Managing Partner**
- **Deep Knowledge Analytics: Founder**
- **Aging Analytics Agency: Founder**
- **Biogerontology Research Foundation: Managing Trustee**
- **UK All Party Parliamentary Group for Longevity: Head of International Development of the Secretariat for APPG for Longevity**

Dmitry Kaminskiy is an innovative entrepreneur and investor active in the fields of Longevity, SpaceTech, DeepTech, Precision Medicine, and Artificial Intelligence.

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He is **Founder** and **General Partner** at **Deep Knowledge Group**, a consortium of commercial and non-profit organizations active on many fronts in the realm of DeepTech and Frontier Technologies (AI, Longevity, FinTech, GovTech, InvestTech), ranging from scientific research to investment, entrepreneurship, analytics, media, philanthropy and more.

Dmitry is a frequent speaker on AI and Longevity, including events organized by **The Economist** "Aging Societies and The Business of Longevity", **Financial Times** "Smart Machines vs Smart People", Financial Times "Global Pharmaceutical and Biotechnology Conference", the "Precision Medicine World Conference" in Silicon Valley as well as others at **Oxford** and **Cambridge Universities**.

He is actively involved in the work of the initiative group and was instrumental at the initial stage of the launch of the **All-Party Parliamentary Group for Longevity** in the **UK Parliament**. He now serves as co-director of the secretariat, overseeing the APPG's international Longevity cooperation development division.



Dmitry Kaminskiy (Co-Founder of UK All-Party Parliamentary Group for Longevity Secretariat)

Dmitry Kaminskiy is actively involved in the work of the initiative group and was instrumental at the initial stage of the launch of the All-Party Parliamentary Group for Longevity in the UK Parliament. He now serves as co-founder of the APPG secretariat, overseeing the APPG's international Longevity cooperation development division.



Official Launch All Party Parliamentary Group for Longevity
House of Lords, London, UK



All Party Parliamentary Group for Longevity Inaugural Meeting
House of Lords, London, UK

Dmitry Kaminskiy's \$1 Million Prize for First Person to Celebrate Their 123rd Birthday

As a prominent Longevity investor, entrepreneur and thought leader, Kaminsky established the prize as a personal commitment to award \$1 Million to the first person capable of beating the current human lifespan record holder Jeanne Louise Calment, who died in 1997 at 122.5 years) in order to encourage people to strive towards leading healthier, more active and more fulfilled lives. Kaminsky is confident that the technologies to extend healthspan (the period of life free from age-related diseases) to the point of achieving Longevity Escape Velocity (a period where the years added to lifespan via technological and therapeutic intervention exceed the time it would take for those added years to be overtaken by chronological time) already exist today, and that initiating a \$1 Million prize to the first person to put that theory into practice will encourage the public to take full advantage of the Practical Longevity technologies at their disposal, while also encouraging a shift among entrepreneurs, investors and governments to more actively work towards the realization and extension of the most precious asset imaginable: Healthy Human Life.



Life record of 122.5 by Jeanne Calment who died in 1997.

Using the recent advancements in science and medicine, why should 122.5 years of age be considered the limit?

"Venture capitalist Dmitry Kaminskiy thinks he has what it takes to lengthen people's life spans: a million-dollar prize, which he will award to the first person to beat the current longevity record and reach his or her 123rd birthday. Kaminsky claims it's because aging is the biggest long-term problem humans face today. 'I realized that investing in aging research will have the highest impact on global peace, sustainability and economic growth.', he explained."

- Sarah Hedgecock, Forbes

MarketWatch

[READ THE ARTICLE](#)

“There will be a significant number of longevity-themed exchange-traded funds (ETF) emerging rapidly in the next 3-5 years,” wrote Dmitry Kaminsky his 2019 book, “Longevity Industry 1.0.”

NIKKEI ASIAN REVIEW

[READ THE ARTICLE](#)

“The country is comparatively small, well-organized and their GovTech management system is quite efficiently applied nationwide,” Dmitry Kaminskiy, DKV’s managing partner, said in an interview, noting the rankings could change over time.

FORTUNE

[READ THE ARTICLE](#)

“Deep Knowledge Ventures, which has about 100 million euros under management, wanted a way to enforce a data-driven approach to investing, rather than relying on human intuition and personal interactions with founders. Managing partner Dmitry Kaminskiy says the algorithm served mostly as a veto mechanism—if it spotted red flags, Deep Knowledge wouldn’t invest.

FT FINANCIAL TIMES

[READ THE ARTICLE](#)

“The one billion retired people globally are a multi-trillion dollar opportunity for business,” said Dmitry Kaminskiy, co-author of the UK Longevity Industry Report and managing partner of Deep Knowledge Ventures, who was a panellist at last week’s event.

Forbes

[READ THE ARTICLE](#)

The power of technology and data to help solve the global pandemic has emerged with startling clarity and was a running theme of the Summit. Dmitry Kaminskiy, Managing Partner of Deep Knowledge Group, said: “Artificial Intelligence is helping researchers analyze gigantic datasets to forecast the spread of the virus, to provide an early warning system for future pandemics and to identify vulnerable populations needing help. It has also accelerated the pace with which we are identifying many promising vaccines and treatments.”

MarketWatch

[READ THE ARTICLE](#)

“The COVID-19 pandemic will change the global business landscape to its core. Investors are switching their attention from what was previously considered important – sectors such as real estate, tourism and hospitality – to what is truly important: human health.” - Dmitry Kaminskiy



Dmitry Kaminskiy
MANAGING TRUSTEE

Dmitry Kaminskiy is the Founder of Aging Analytics Agency, Managing Partner of Deep Knowledge Ventures, and a prominent Longevity Investor and Thought-Leader.



João Pedro de Magalhães
TRUSTEE

João Pedro de Magalhães is a Portuguese microbiologist. His lab at the University of Liverpool studies aging through both computational and experimental approaches. His ultimate goal is to cure human aging.



Jim Plante
TRUSTEE

Jim Plante is an investor and technology leader. His work has helped the companies reach dominant positions in their industries regarding both value and offering best-of-breed offerings.



Richard Faragher
TRUSTEE

Richard Faragher is Professor of Biological Gerontology at the University of Brighton and past Chair of the British Society for Research on Ageing, the International Association of Biomedical Gerontology and the American Aging Association.



Jim Mellon
TRUSTEE

Jim Mellon, the British billionaire ex-fund manager who became a convert to the emerging science of anti-ageing a few years ago, and has decided to pour his money into his own biotech ventures.

www.bg-rf.org



Biogerontology
Research Foundation
Prevent. Restore. Preserve.

Active Involvement in UK Longevity Policy, Politics and Governance Initiatives

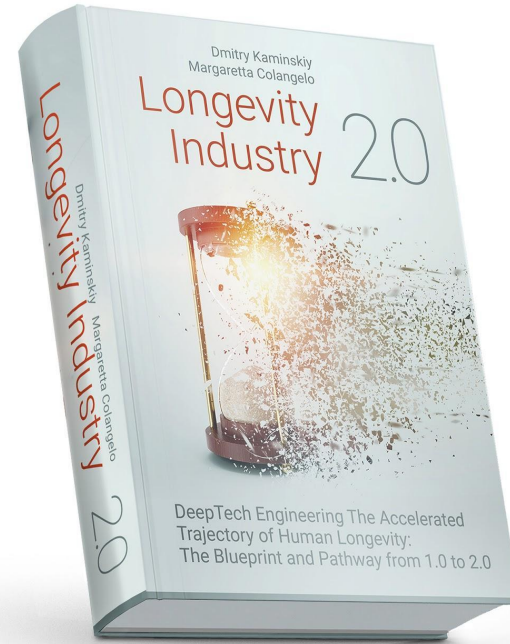
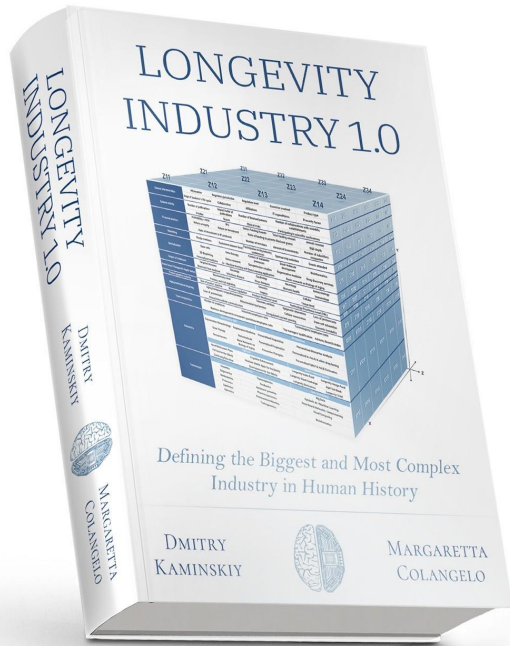
The Biogerontology Research Foundation has always made progressive policy proposals relating to Longevity a core element of its activities, and has recently made the decision to significantly expand its scope of activities in this regard, interfacing with both national and international policy-related organizations to further the United Kingdom's activities relating to Longevity politics and governance, including providing inputs to optimize the long-term strategy of the All-Party Parliamentary Group for Longevity's Blueprint and Framework for a National UK Healthy Longevity Development Strategy.

Scientific Research to Further R&D on AI for Longevity and Actionable Biomarkers of Ageing

The Biogerontology Research Foundation has an extremely strong history of applying AI for ageing research (including more than a dozen peer-reviewed scientific articles and projects on this topic) and on the development of practically-implementable and actionable panels of biomarkers of ageing (such as its MouseAge crowdfunding initiative, which enabled the development of ageing biomarkers based on deep-learning analysis of photographs), and actively prioritizes collaboration on these specific niches).

Support of Progressive Longevity Financial Reform to Neutralize Economic Burden of Ageing Population

The Biogerontology Research Foundation is committed to working alongside progressive financial institutions including pension funds, insurance companies, private wealth banks and other relevant entities to roadmap initiatives and policy proposals to turn the problem of ageing population into the economic opportunity of Healthy Longevity.

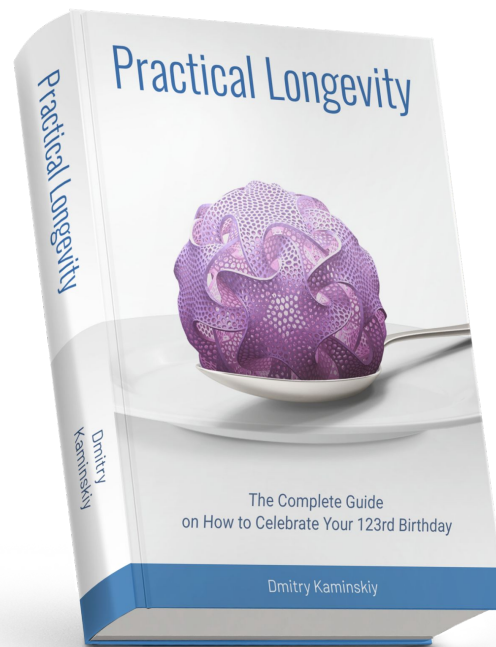
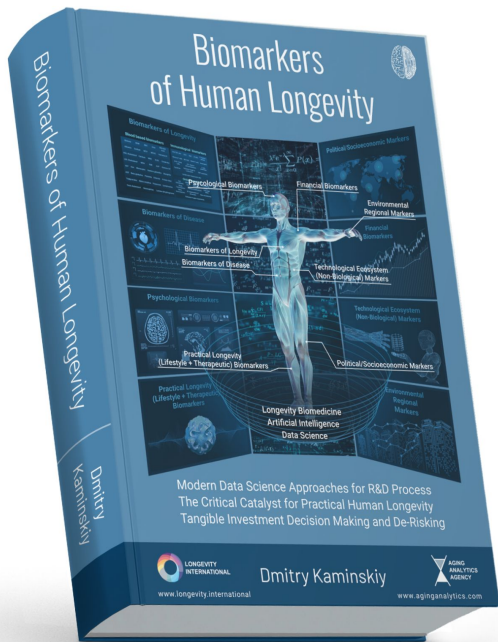


2010-2020: Evolution of the Longevity Industry from Zero to 1.0

- *The Industrialization of Longevity*
- *The Current State of Longevity Science, Business, Finance, and Practical Applications*
- *Longevity Becomes a National Priority Item for the Strategic Agenda of Progressive Governments*
- *Transforming the Challenge and Deficit of Aging into the Opportunity and Asset of Longevity*
- *Defining and De-Risking: Hype vs. Reality*

2020-2025: DeepTech Engineering The Accelerated Trajectory of Human Longevity – The Blueprint and Pathway from 1.0 to 2.0

- *Global Industrialization of Longevity to Scale*
- *The Evolution from Longevity Startups to Multi-Trillion Dollar Longevity Corporations*
- *How AI-Driven Preventive Medicine will Disrupt the BioTech and Healthcare Industries*
- *Novel Financial Instruments and InvestTech Solutions*
- *The Rise of Progressive Longevity MegaHubs*

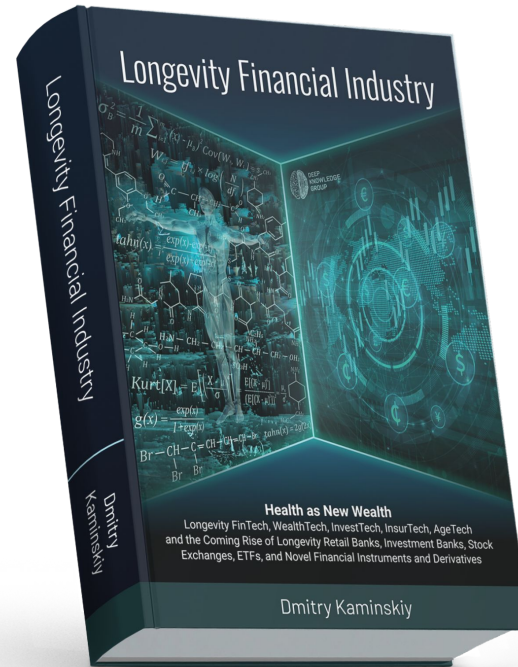
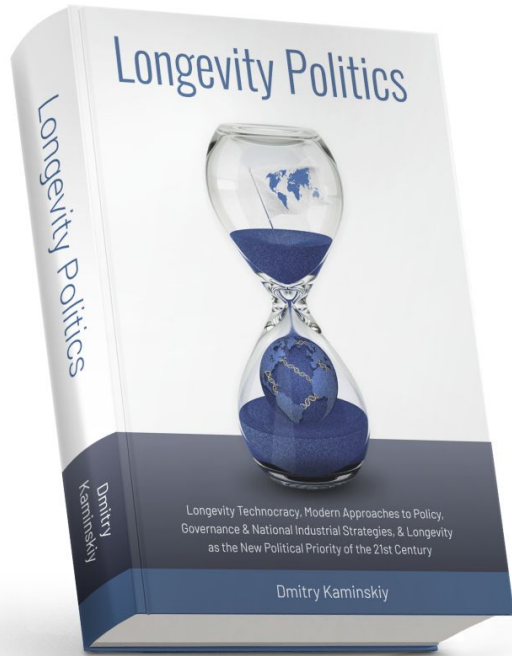


The Critical Catalyst for Practical Human Longevity, Tangible Investment De-Risking, and Accelerated Ageing Research and Longevity R&D

- *Biomarkers of Human Longevity as Major Accelerator of Stable Industry Growth*
- *The Longevity Industry's Fundamental Risk (Reliance on Animal Model Data)*
- *SpaceTech and Space Medicine as Modern Precedent for Safe Human Validation*
- *Longevity Economy 2.0: Biomarkers of Human Longevity as Major Catalyst for Investment, InsurTech, Longevity Stock Exchange and Financial Instruments*
- *The Future of Biomarkers of Human Longevity: The Concept and Evolution of Digital Human Avatar 1.0 to 2.0, 3.0 and Beyond*

Practical, Market-Ready Tools, Approaches and Frameworks for Optimizing Personal, Practical, Healthy Human Longevity

- *Layer -1 - Anti Longevity: Practices and Environments That Actively Harm Personal Practical Longevity, and How to Avoid Them*
- *Layer 0 - Normal: Neutral Lifestyle, Diet and Environmental Factors and Parameters*
- *Layer 2 - Performance: Practical Tools, Technologies, Resources and Practices for Optimized Personal Cognitive and Physical Performance*
- *Layer 3 - Advanced Healthy Longevity (the Deep Knowledge Group Method): Dmitry Kaminskiy's Personal Practical Healthy Longevity Lifestyle and Technological Regime*

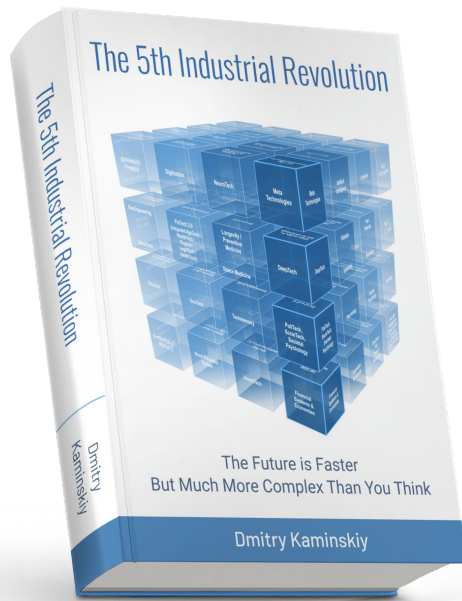


2021-2030: The Rise of Longevity Politics, and the Solidification of Longevity as the New Political Priority of the 21st Century

- The Rise of Longevity Technocracies as Global Competitors in the Creation of Full-Scope Longevity Industry Ecosystems to Optimize National Healthy Longevity
- Modern Approaches for Formulating and Executing National Longevity Industrial Strategies
- The Set of Factors That Will Make Citizens Demand the Delivery of Additional Health-Adjusted Life Expectancy (HALE) and Quality-Adjusted Life Years (QALY) From Their Governments and Politicians as a Basic Resource and Human Right

Health as New Wealth, Engineered Solutions to Bridge the Longevity Liquidity Gap, and the Rise of Longevity Investment Banks, Stock Exchanges and Financial Instruments

- Engineered InvestTech and FinTech Solutions to Bridge the Big Liquidity Gap
- Longevity Futures, Shorting, Exchange Traded Funds and Technology Marketplaces
- Longevity Stock Exchange, Investment Bank, Index Fund and Financial Derivatives
- Financial Futurism: Derivatives Tied to National Healthcare Systems, Pension Systems, National Healthy Longevity & Longevity Economies



2030-2035: Defining, Forecasting, Optimizing and De-Risking the Accelerated Trajectory of Progress Toward the 5th Industrial Revolution

- *DeepTech Commoditization, the Technocratic Revolution, and Accelerated Acceleration at Intersection of AI, Longevity, SpaceTech, NeuroTech, and InvestTech*
- *Defining, Forecasting and Accelerating the 5th Industrial Revolution (2030-2035)*
- *5th Industrial Revolution Big Data Analytical Framework and The Need for Tangible, Pragmatic Forecasting (Reasonable Harmonization of Techno-Optimism with Reality)*
- *Engineering Approach for the Acceleration and Optimization of the Trajectory of the Humanity Progress (The Blueprint and Pathway from Industry 4.0 to 5.0)*

www.5revolution.tech

5th Industrial Revolution

MetaTechnologies

- Neurotech
- Digitization
- ML-driven technologies
- AI-backed Technologies DL
- IoT Connectivity Technologies

DeepTech

- Security
- Reg Tech
- HealthTech
- Bioinformatics
- GeoEngineering
- IoT
- SpaceTech
- FinTech 2.0
- New Materials
- Space Medicine

PoliTech & SocieTech

- GovTech
- EduTech
- GeoPolitics
- Technocracy
- Societal Psychology

Financial Systems & Economies

- InvestTech
- Innovation Economics
- Novel Financial System
- Innovation Marketplaces
- DeepTech-Tied Financial Derivatives

Risks of the 5th Industrial Revolution

Energy-driven threats

- Nuclear war
- Nuclear winter
- Nuclear-driven volcano explosion
- Tectonic fault activation using nukes
- Large tsunamis induced by large nuclear explosion

Biologically-driven threats

- Viral pandemic
- Prionic threat
- Bacteriological pandemic
- Unpredictable genomic changes
- Green goo
- DNA-origami robots
- Toxin contamination
- Omnivorous bacteria
- Artificial disease carrier

Intelligence-driven threats

- AI-based super fungus
- AI-based IoT disruption
- Late stage AI fatal error
- AI-based nano-poisoners
- AI-based IoT disruption
- AI-based supervirus
- AI-based nano-poisoners
- AI-based cybersecurity disruption
- AI-based weapon

Threats concerning Earth's Nature

- Geo-engineering fails
- Electromagnetic storm
- Depletion of ozone layer
- Electric grid destruction
- Global warming
- Resource depletion
- Chemical contamination
- Nuclear reactors destruction
- Atmospheric change

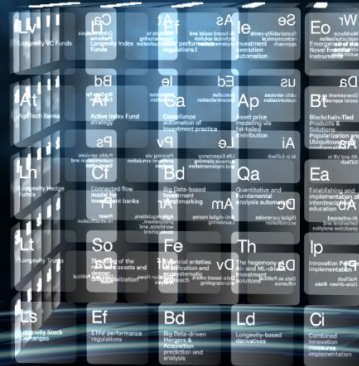
MetaTechnologies:

'Dimensionality reduction algorithms'

DeepTech: 'Quantum CyberSecurity'

PoliTech, SocieTech & Societal Psychology: 'Anti-digital money Laundering'

Financial Systems & Economies: 'Connected flow model for Investment banks'



Dmitry Kaminskiy - Conferences & Longevity Industrialization Thought Leadership

Dmitry Kaminskiy is a frequent speaker on AI and Longevity, including events organized by The Economist "Aging Societies and The Business of Longevity", Financial Times "Smart Machines vs Smart People", Financial Times "Global Pharmaceutical and Biotechnology Conference", Private conferences organized by UBS Bank, "Brazilian Pension Funds Conference" the "Precision Medicine World Conference" in Silicon Valley as well as others at Oxford and Cambridge Universities.



FINANCIAL TIMES LIVE

12:10pm **Aging and Longevity**

Dmitry Kaminskiy, Co-Founder and Senior Partner, *Deep Knowledge Ventures*

Alex Zhavoronkov, CEO, *Insilico Medicine*

Joseph Antoun, Chairman & CEO, *L-Nutra* ; Chairman, *Global Healthspan Policy Institute*

Aubrey de Grey, Vice President of New Technology Discovery, *AgeX Therapeutics*

AGEING SOCIETIES

Reaping the longevity dividend

Join an audience of 150+ global Business executives
November 29th-30th 2016
St.Pancras Renaissance Hotel
London

THE BUSINESS OF LONGEVITY

Health innovation for an ageing world
October 27th 2017
Hong Kong

A GLOBAL NETWORK OF INNOVATORS

AGING^{2.0}

BLOOMBERG LONGEVITY ECONOMY CONFERENCE

Longevity is now regularly embraced as a major topic of interest for panel discussions and entire conference series by top-tier finance and business media brands including *The Economist*, *Financial Times* and *Bloomberg*.





AI for Longevity Summit King's College, London November 12th

The AI for Longevity Summit, organized by Ageing Research at King's (ARK) and the Longevity AI Consortium at King's College London (LAIC) brings together leading scientists, industry players, and experts to present and discuss the latest advances in Artificial Intelligence for ageing research and the practical implementation of longevity technologies and therapeutics. To be held at the Guy's Hospital Campus of King's College London on November 12th 2019.



Longevity Thematic Conferences For High-networth Individuals

INSIGHT GATHERING

“TECH MEETS TRUST”

BRITISH POLO DAY

THE WHITBY THEATRE
Friday 8th June | 3.45 PM
Followed by Tea & Cookies, Private Events Lobby
Dress Code: Relaxed

ONDA GENTLEMAN'S JOURNAL DIGITAL ASSET GROUP DEEP KNOWLEDGE VENTURES

 Dmitry Kaminskiy
Deep Knowledge Ventures
AI & Longevity

Dmitry Kaminskiy is an innovative entrepreneur and investor who is active in the fields of Longevity, Precision Medicine, Blockchain, and Artificial Intelligence. Dmitry is co-founder of Digital Asset Group, an managing partner at Deep Knowledge Ventures, an investment fund focused on DeepTech and advanced science projects.

Dmitry Kaminskiy and Eric Kihlstrom Deliver Presentation on Longevity at the Reform Club in London



BRITISH
POLO
DAY

Deep Knowledge Group Founder Dmitry Kaminskiy has extensive experience delivering keynote presentations at top-tier Longevity-themed conferences, meetings and events organized by world-renowned brands including **Julius Baer**, **The Economist**, **Financial Times**, the **Reform Club in London**, **British Polo Day**, **Glaxosmithkline**, the **UK All-Party Parliamentary Groups for Longevity**, **AI and Blockchain**, **University of Oxford**, **Cambridge University** and many others, bringing years of experience from presenting at some of the leading Longevity-themed conferences in the world to the full scope of conference formulation and execution undertaken by Longevity Media Company.

THE 2ND INTERNATIONAL LONGEVITY POLICY AND GOVERNANCE SUMMIT



**Dmitry Kaminskiy on COVID-19 Analytics & Longevity Governance Dashboards
at the APPG for Longevity Secretariat's 2nd Annual Summit**

**11th November
London, UK**

April 21, 5pm BST



Practical Human Longevity

Episode 1

Intermittent Hypoxia and Hyperoxia,
Mitochondrial Aging and Healthy Human Longevity



Arkadii Prokopov
Athletic HighTech SL



Dmitry Kaminskiy
Deep Knowledge Group



Franco Cortese
Aging Analytics Agency

Deep Knowledge Group Analytical Subsidiaries

Overview

Deep Knowledge Group Analytical Subsidiaries

Aging Analytics Agency is the world's premier provider of analytics on the topics of Longevity, Precision Preventive Medicine and Economics of Aging, and the convergence of technologies such as AI, Blockchain, Digital Health.

Aging Analytics Agency

Neurotech Analytics is the world's premier source of NeuroTech Industry Analytics, Forecasting, and Benchmarking. Neurotech Analytics is the leading neurotech-focused analytical hub.

NeuroTech Analytics

Deep Pharma Intelligence is a leading strategic and investment intelligence agency focused on the emerging markets in the Pharmaceutical, BioTech, and Healthcare Tech industries.

Deep Pharma Intelligence

SpaceTech Analytics is an agency focused on markets in the Space Exploration, Spaceflight, Space Medicine, and Satellite Tech industries. The range of activities includes research on major areas of high potential SpaceTech industry.

SpaceTech Analytics

The GovTech Division focuses on producing sophisticated analytics that reveal major factors driving the ongoing transformation of the global GovTech industry, barriers to this process, and ways to overcome them.

GovTech Analytics

Deep Knowledge Analytics

Deep Knowledge Analytics is focused on DeepTech and Frontier Technologies (AI, Longevity, FinTech, GovTech, InvestTech), ranging from scientific research to investment, entrepreneurship, analytics, media, philanthropy and more.

InvestTech Analytics

InvestTech is the primary source of investment analytics and data management tools and algorithms for Deep Knowledge Group. The products of the subsidiary are advanced data-driven quantifiable investment insights.

FemTech Analytics

FemTech Analytics is a leading analytics agency focused on fast developing FemTech market, providing tangible data-driven insights into the sectors of Longevity FemTech, AI for Women Health, and Advanced P4 Medicine for Women.

Innovation Eye

Innovation Eye provides sophisticated market analytics, industry intelligence, comparative industry classification frameworks and case studies, developing advanced tools for analysis and visualization.

COVID-19 Analytics

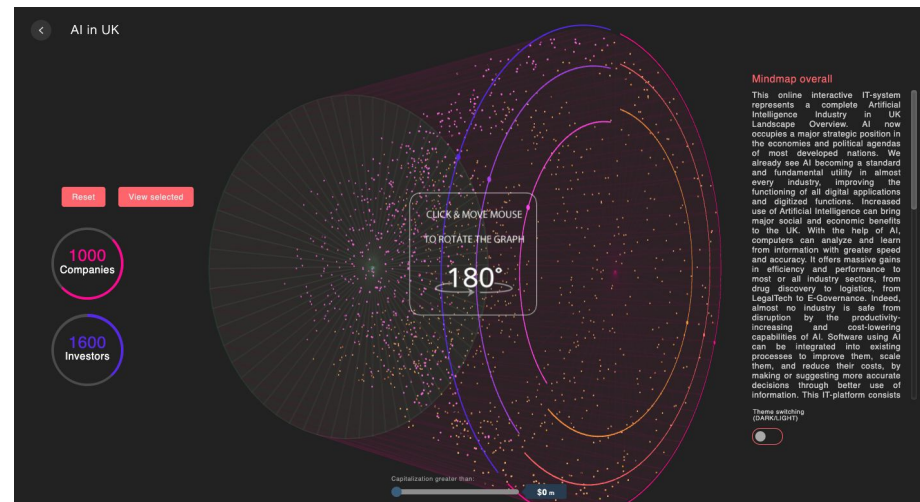
COVID-19 analytics is designed to analyze the economic, social and health stability achieved by countries and regions, as well as the strengths, weaknesses, opportunities, and threats or risks that they present in the battle against COVID-19.

Advanced Big Data Analytics System of Deep Knowledge Group

About Advanced AI-Driven Big Data Analytics

AI-driven big data analytics systems of Deep Knowledge Group are integrated into the projects and activities of all Deep Knowledge Group analytical subsidiaries to produce **automated data-driven insights, benchmarking, and forecasting**, covering the full scope of industries, sectors, and domains in which Deep Knowledge Group is active.

This unified system is dedicated to developing **sophisticated data-driven quantifiable analytics** in order to conduct **tangible, fast, comprehensive, and comparatively inexpensive knowledge generation and due diligence** for governments, financial institutions, investors, corporations, private companies, non-profit organizations, and startups across 3 stages: data parsing, AI-driven data analysis, and user-friendly data visualization.



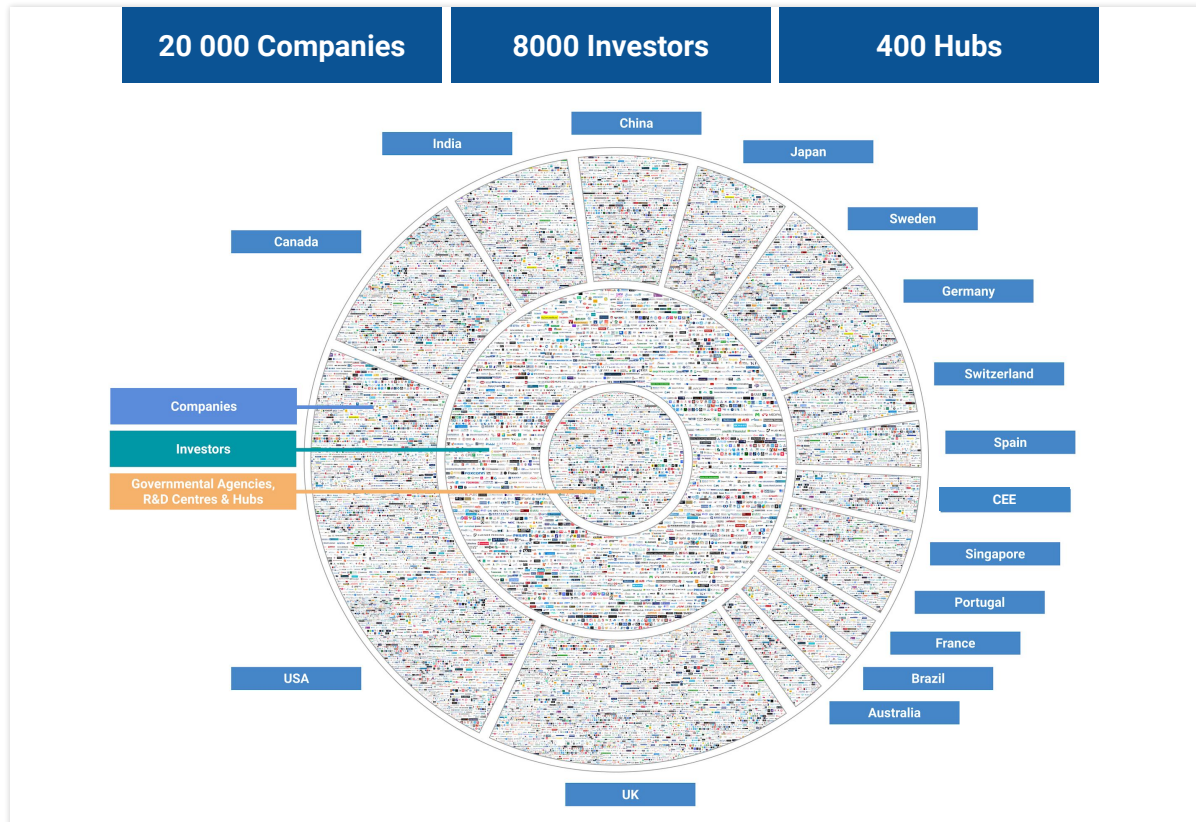
Deep Knowledge Group's Big Data Analytics Focus on a Number of Strategically-Prioritized Technological Domains, Including:

- Longevity;
- AI for Drug Discovery and Development;
- FemTech;

- SpaceTech;
- NeuroTech;
- GovTech;
- FinTech;

- COVID-19;
- Longevity Governance;
- Financial Industry;
- InvestTech.

Longevity Industry Landscape Visualization



USA	UK
Canada	India
Japan	China
Sweden	Germany
Switzerland	Spain
CEE*	Singapore
Portugal	France
Brazil	Australia
Gulf Region	EU

* – Central and Eastern Europe

Analytical Subsidiaries Total Database Scope and Size

Data Points

60 000 000+ data points

2000+ parameters

100+ vectors

20+ dashboards

Sectors

10+ industries

120+ sectors

400+ subsectors

150+ countries

Data Types

15+ types of entities

100+ subtypes of entities

10+ data types

3 data layers

Data Aggregation

150+ data sources

10+ data sources categories

5 data aggregation methods

4 methods of data quality testing

Longevity Industry Visualization Prototypes



AI in UK

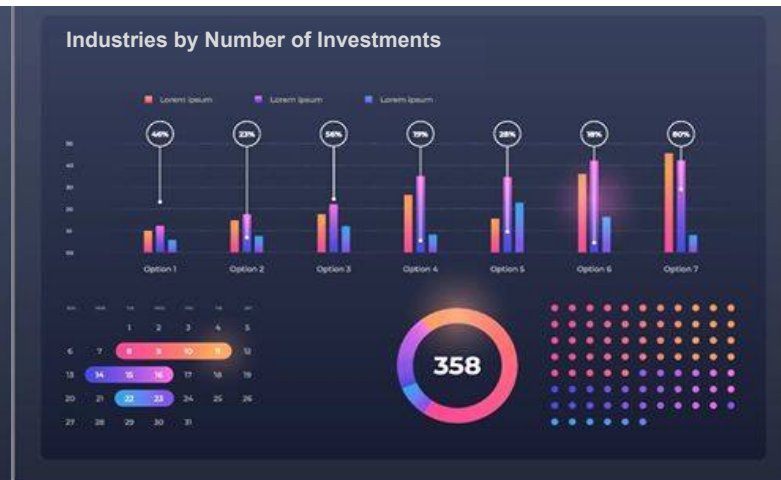
Main information
 The next generation interactive 3D Mindmap Platform is currently in the Beta-version. Full version will be available on the 30th of April, 2020. Company Profile Feature is currently available only in Interactive 3D Mindmaps. Please visit <https://mindmaps.dta.global/en-uk> for full description.

Company description
 Name: Image Techmedia
 Capitalization: \$ 123.9 m
 Industry: Education
 Technology: Recommendation Systems
 Location: London, England, United Kingdom
 Founded date: 2004
 Employees number: London, England, United Kingdom
 OS Rank: undefined

Capitalization dynamic for last 10 years

Contacts and social media
 Website: <http://www.imagotechmedia.com>
 Email: info@imagotechmedia.com
 Twitter: undefined

Predictive potential of the company



The process of insights generation can be divided into three main stages:

Data Aggregation

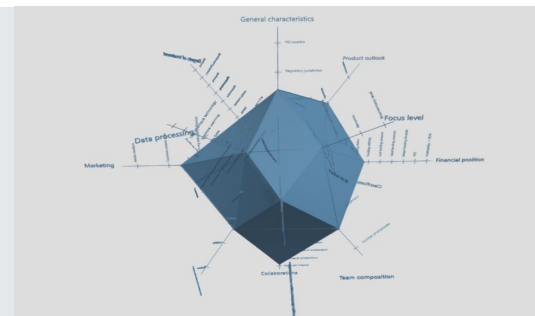
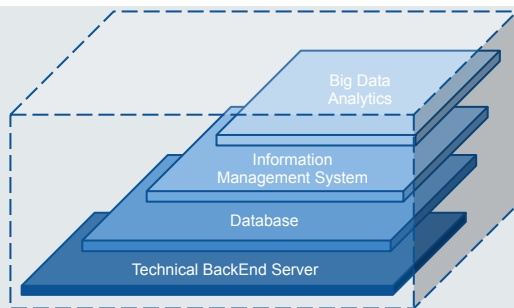
Automatized data parsing, aggregation, optimization, and management via using open-access and proprietary online databases, and expert opinion aggregation. Real-time database updates and structure building. Cooperation with companies, hubs, and investors regarding data aggregation and data quality check.

Data Analysis

Machine learning and deterministic scoring algorithms aimed at ranking, valuation, SWOT analysis, correlation analysis, and recommendation generation. Data analysis combines financial and technological analysis, AI insights and expert opinions, machine learning and deterministic formulas.

Data Visualization

SWOT analysis, forecasting, matching, and due diligence results are delivered in readily available, user-friendly form through advanced visualization mechanisms (3-dimensional and 4-dimensional radar charts). Diagrams visualize not only the results of the analytics, but the algorithms themselves, in order to prevent “black box” problem.



Artificial Intelligence in UK Landscape Report was presented in the UK Parliament on Oct 24, 2018



AI in UK

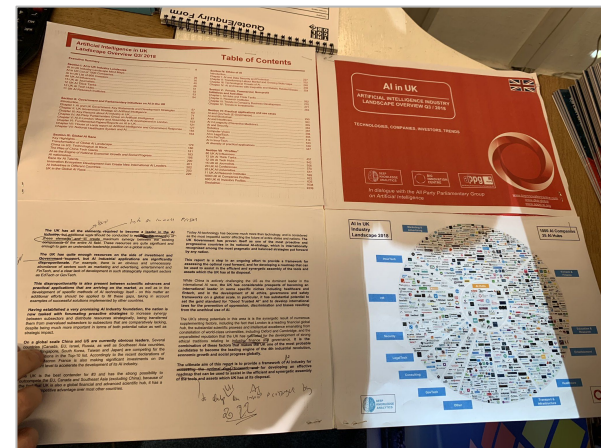
ARTIFICIAL INTELLIGENCE INDUSTRY
LANDSCAPE OVERVIEW Q3 / 2018

TECHNOLOGIES, COMPANIES, INVESTORS, TRENDS



In dialogue with the All Party Parliamentary Group
on Artificial Intelligence

www.biginnovationcentre.com
www.dka.global
www.apppg-ai.org



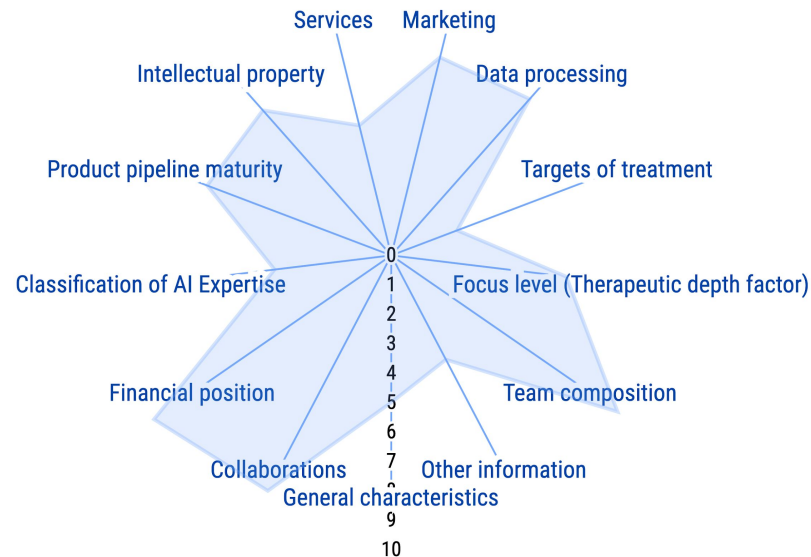
Multiparametric Assessment Analysis (Using Big Data Analytics Platform)

Automated SWOT analysis and benchmarking system of Deep Knowledge Group allows to replace long, resource-requiring, manual, and unsystematic process of due diligence, investment analytics, analytics insights generation and investment targeting by a real-time available product extracting insights from the **largest in the world deep tech industry database** with the help of **deep learning algorithms and multidimensional polynomial formulas** calibrated by combining **expert opinions with big data analysis**.

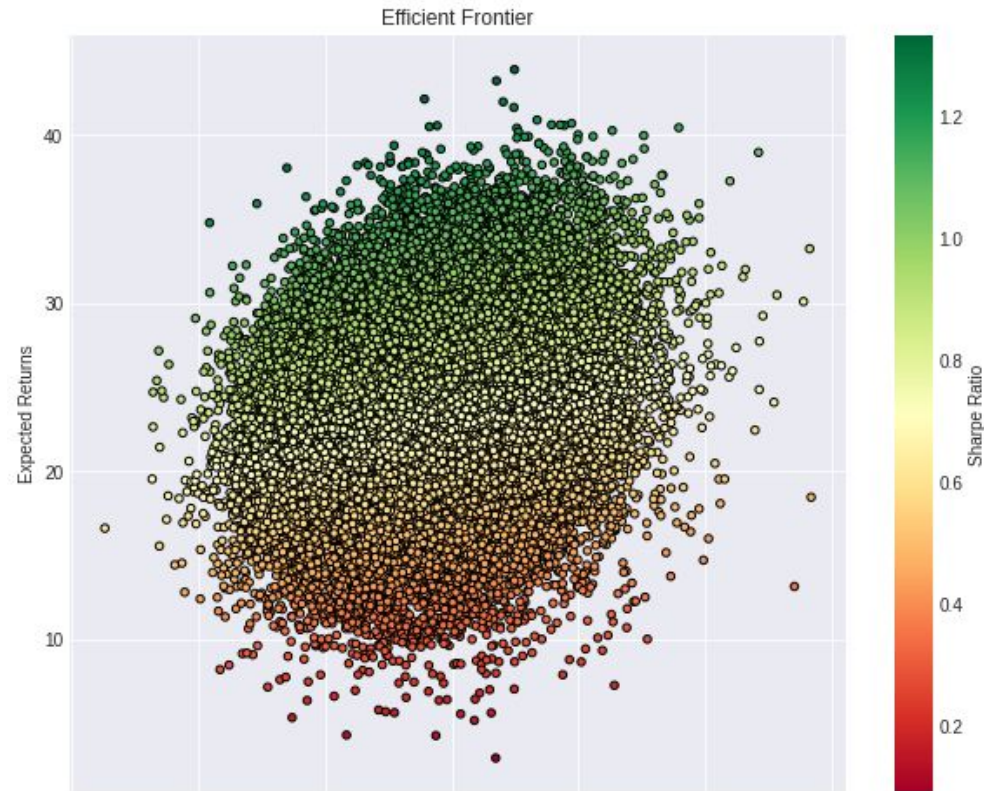
This enables to conduct an investment analysis which is **faster, more precise, and cheaper** at the same time, since it is being done automatically, permanently, without essential human interaction, and using more data points.

Database, AI and ML algorithms overview

Parameters	1000+ parameters with appropriate weights combined into 30+ vectors
Data points	6 000 000 data points which are being updated permanently
Algorithms	Deep neural networks, polynomial formulas with mathematical transformations, regression models
Data aggregation	Automatized parsing, extrapolation using machine learning, feedback from companies



Stock Market Analytics



Sophisticated financial analytics is being applied to construct portfolios and indices of publicly traded companies across various deep tech industries.

Both conventional econometric models and advanced **artificial intelligence and deep learning tools** are applied to extract value from stock market data.

Stock market dataset which is being updated in real time provides a **concrete, quantifiable data-driven framework for deep tech development hypothesis testing**.

Stock market simulations enable to test various trading strategies and investment principles.

Neural networks with LSTM layers for time series data analysis

Recurrent neural networks to extract complex hidden connections from the data

Brownian motion modelling for stock market forecasts






GARCH model

Real option analysis, scenario planning

Aging Analytics Agency Longevity-Focused Analytical Subsidiary

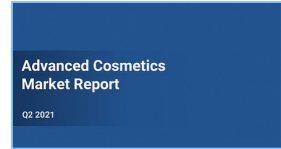
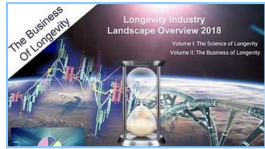
Aging Analytics Agency is the world's premier provider of industry analytics on the topics of Longevity, Precision Preventive Medicine and Economics of Aging, and the convergence of technologies such as AI, Blockchain, Digital Health and their impact on the healthcare industry.

The company provides strategic consulting services in fields relating to Longevity, and currently serves as the supporting partner for the **UK All-Party Parliamentary Group for Longevity**.

 appg longevity			 LONGEVITY.CAPITAL	
Supporting Partner for the UK All-Party Parliamentary Group for Longevity and a Source of Data and Analytics for the APPG Secretariat	Official Member Organization of the United Nations NGO Committee on Ageing	Media Partner for Metabesity Conference in Washington D.C.	Main Source of Market Intelligence and Industry Analytics for the Longevity.Capital	Supporting Partner of the Annual International Longevity Policy & Governance Summit

Aging Analytics Agency Timeline

Aging Analytics Agency has produced dozens of the Longevity Industry Landscape Overviews and Proprietary Analytical Case Studies during the last four years. In April 2021, the agency has presented 100+ Page Report, and Interactive IT Platform Features Detailed Analysis, Comprehensive Commentary & Tangible Benchmarking of UK House of Lords' Science and Technology Select Committee "Ageing: Science, Technology and Healthy Living" Report.



2018

2019

2020

2021

Website: www.aginganalytics.com



READ THE ARTICLE

“**Aging Analytics Agency** is the only analytics entity exclusively focussed on examining and representing healthy ageing and is uniquely positioned to provide MIDAS and key stakeholders within the city region with a detailed analysis of Greater Manchester’s longevity landscape including the identification of companies, investors, R&D hubs, academic institutions and industry professionals operating within this field.”



READ THE ARTICLE

“According to figures compiled by the **Aging Analytics Agency**, Covid-19 has facilitated the development of not only the biotech capital markets, but the longevity sector in particular, resulting in more than 30% of growth of public companies compared to the previous year.”



READ THE ARTICLE

“According to a recent report by **Aging Analytics Agency**, Switzerland has the elements necessary to become a leading Longevity financial hub, including factors such as a lean political system that facilitates rapid implementation of integrated government programs, a strong research environment for geroscience, a strong research and business environment for digital health, and most importantly, international financial prowess.”



READ THE ARTICLE

Aging Analytics Agency’s Report “**Longevity Industry in the UK**” was highlighted in Financial Times. “The one billion retired people globally are a multi-trillion dollar opportunity for business,’ said Dmitry Kaminskiy, co-author of the UK Longevity Industry Analytical Case Study.

Market Intelligence

Longevity Governance Market Intelligence

- Full Analysis
- Interactive Mindmaps
- SWOT Analysis
- Dynamic Charts

Full Big Data Analysis

Introduction & Big Data Comparative Analysis Framework

Longevity Progressiveness Ranking of 50 Regions

Major Factors Determining Healthy Longevity

Big Data Comparative Analysis: Healthy Longevity in 50 Regions

Current Trends in Life Expectancy and Healthy Longevity

Conclusions and Practical Recommendations

View More

Dashboard Parameters

DATA POINTS

11984

PARAMETERS

240

REGIONS

50

LAYERS OF FRAMEWORK

6

DYNAMIC CHARTS

100

SWOT ANALYSIS PROFILES

50

SWOT Analysis



View More

Longevity Governance Market Intelligence

Pre-Subscribe for Beta

COVID-19 Dashboard

3D Visualization

Search Engine

Longevity Governance Search Engine

- Benchmarking Charts
- Major Trends
- Practical Recommendations
- Big Data Framework

National Healthy Longevity Interactive MindMaps

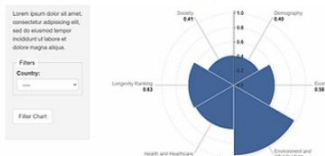


View More

Longevity Progressiveness 3D Visualization



Longevity Progressiveness Benchmarking Charts



View More

Longevity Governance Search Engine

Health-Adjusted Life Expectancy (HALE) Gap and Life Expectancy

Health-Adjusted Life Expectancy (HALE) Benchmarking

Aging Analytics Agency is the only specialized analytics agency in the world that focuses exclusively on the emerging Longevity Industry. They are recognized internationally as the premier analytics agency for advanced data analysis, industry reports and next-generation infographics on the topics of Aging and Longevity.

Aging Analytics Agency is focusing on three key activities:

Providing Commercial Services

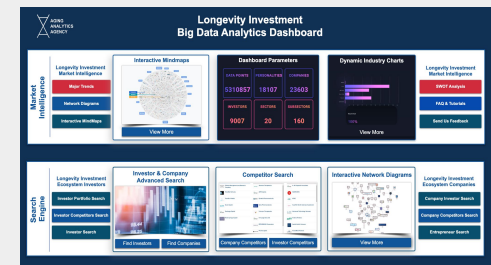
Conducting customised case studies, research and analytics for internal (organizational) use, tailored to the precise needs of specific clients.

Preparing Open Access Reports

Producing regular open access and proprietary analytical case studies on the emerging topics and trends in the Longevity Industry.

Building Big Data Analytics Platforms

Offering customised analysis using specialised interactive industry and technology databases, IT-platforms and Big Data Analytics Dashboards.



FemTech Analytics

Big Data Analytics to Advance Women's Health

FemTech Analytics is a leading strategic and analytical intelligence agency focused on relatively young yet already treated as the next big market disruptor FemTech market, which embraces the cornerstone sectors such as Longevity for women, Mental Health & Healthy Lifestyle, Reproductive Health, and General Healthcare.

FemTech Industry 2021 Report



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700 FemTech Leaders



View More

FemTech Overview in Interactive Charts



View More

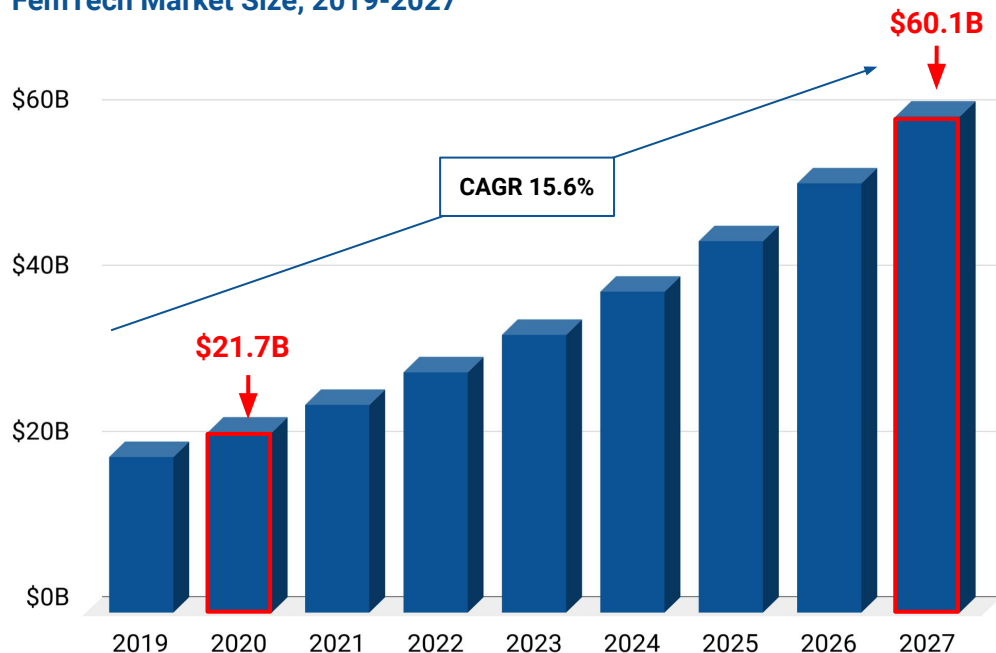
FemTech Global Investment Digest



View More

FemTech Market Size and Exclusive FemTech Investors

FemTech Market Size, 2019-2027



Top Investors Exclusively Focused on FemTech



The overall **FemTech market size** was valued at \$21.7B in 2020 and is forecasted to exceed \$60B by 2027.

Total **VC funding** to FemTech startups has grown tenfold since 2012 reaching \$520M in 2020. Aside from traditional investment funds, some **niche funds** appear in the market, often led by women. For instance, **Portfolio**, a venture platform financed almost exclusively by female investors, or **Astarte Ventures**, that invests in companies centered on the health and wellbeing of women and children.

Despite growing interest in recent years, we believe the FemTech industry still has great **untapped growth opportunities**.

Website: www.femtech.health

Global FemTech Ecosystem

Companies & Investors

Top Public Companies

Leading Companies

Leading Investors

FemTech Mindmap



View More

Dashboard Parameters

COMPANIES

1500+

INVESTORS

1000

R&D CENTERS

30

INDUSTRY SUBSECTORS

14

INFLUENCERS

50

FUNDING AMOUNT IN BN \$

15+

List of Companies



View More

AI for FemTech

Latest M&A and Accelerators

FemTech Market Trends

Industry Overview

Other Assessments

Top 50 FemTech Influencers

Leading R&D Centers and Labs

Top FemTech Conferences

FemTech Market Overview



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FemTech Investments Overview



View More

FemTech Industry 2021 Report



View More

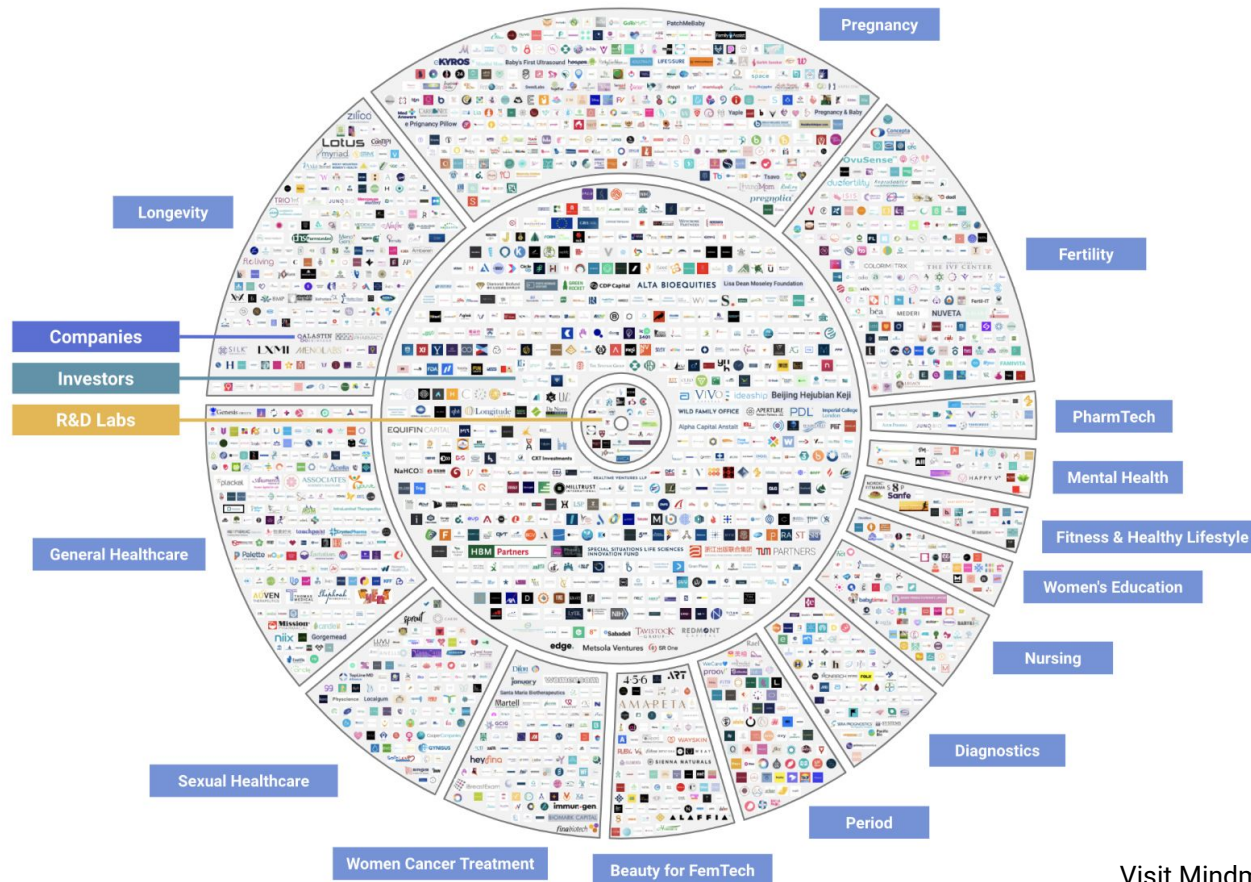
Teaser

One Pager

Press Release

Landscape Overview Documents

FemTech Industry Landscape 2021 / Q2



1500+ Companies

1000 Investors

30 R&D Centres and Labs

14 Subsectors

Visit Mindmap: <https://mindmaps.femtech.health/mindmap>

FemTech Analytics: Value Proposition

The range of FemTech Analytics activities includes research and integral analysis on major areas of high potential in the FemTech industry, maintaining profiling of companies and governmental agencies based on their innovation potential and business activity, and providing consulting and analytical services to advance the FemTech sector.

FemTech Analytics main activities include:

Multiclient Analytical Reports

Preparing open access studies focused on global FemTech industry landscape for the purposes of a wide range of customers.

Interactive Mindmaps

Providing a framework for better understanding of the entire FemTech space including personalities, companies, investors, R&D centres, and interconnections between market players.

FemTech IT Platform

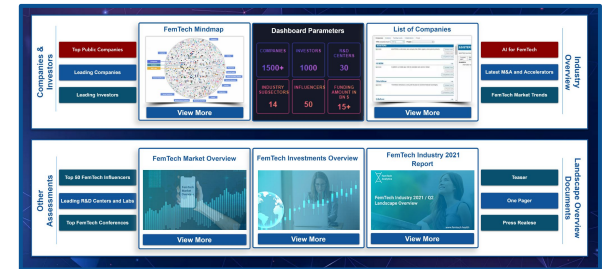
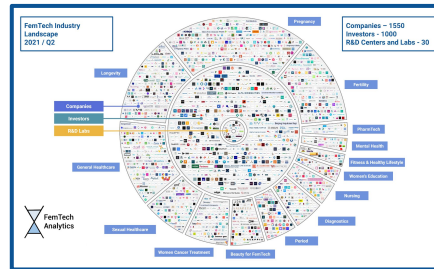
Providing up-to-date information for decision making, covering market trends, drivers, players, leaders, state of investment environment, opportunities and projections.



2019



2021

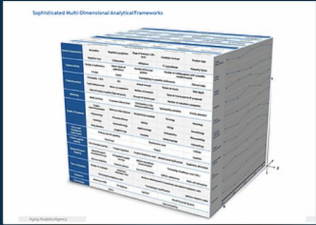


Deep Invest Solutions

New Era in Investment Analytics

Deep Invest Solutions is the primary source of investment analytics and data management tools and algorithms. Our products are advanced data-driven quantifiable investment recommendations generated to conduct tangible, fast, comprehensive, and inexpensive analysis and due diligence for deep tech startups, as well as real-time financial analytics and consulting for publicly traded corporations in deep tech sectors. Deep Invest Solutions specializes in advanced financial engineering, including financial derivatives construction and de-risking tools development.

Multidimensional Analytics Frameworks



[View More](#)

Longevity Global Investment Digest



[View More](#)

The Main Focus Areas:

Venture Investment Division

[VIEW MORE](#)

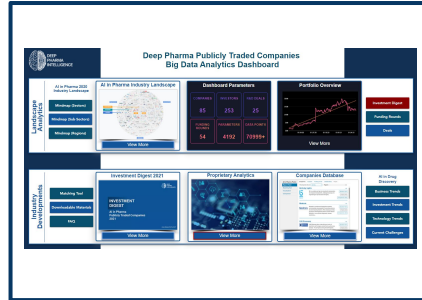
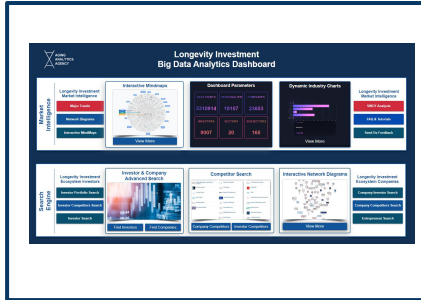
Stock Market Division

[VIEW MORE](#)

Financial Engineering

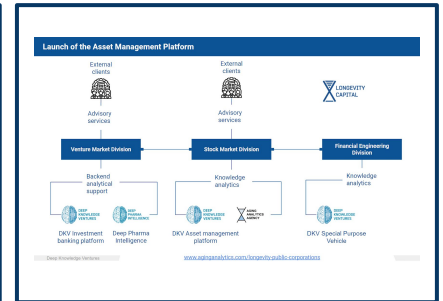
[VIEW MORE](#)

InvestTech Analytics Timeline



During 2021 InvestTech Analytics has provided info for Investment Digests covering key trends of the public finance sphere, promising startups, and leading investors, major investment rounds and relevant R&D partnerships within AI in Pharma and Longevity Industries.

InvestTech Analytics has set goals of gathering and providing an extensive data for publishing Longevity Derivatives Investment Digest and launching the Asset Management Platform in 2021-2022.



2021

2022
Upcoming

Website: www.invest-solutions.tech

InvestTech Divisions Scientific Approaches

Our key analytical and consulting services provide clients with an access to a **highly specialized data-driven AI-based expertise** and wide array of advanced analytical products.

Venture Investment

Stochastic Dominance Approach for Investment Risks Analysis

ANN- and NLP-based AI tools for Risk Prediction, Modeling and Investment Information Aggregation

Hierarchical Holographic Modeling for Risk Identification

Noncompliance with Regulations Analysis via FMECA

Multi-attribute and Multiple-criteria Decision-making for Enterprise Risk Management analysis

Stock Market

Agent-based asymmetric trading with fat-tailed distribution

Auction theory with exponential, fat-tailed and polynomial distributions

Novel Longevity-based financial instruments

Advanced ETF strategies that allow to outperform own indexes

Option pricing using ANN

Financial Engineering

Neural networks-based algorithms for stochastic control for Investment decisions and Derivative pricing

Mean Field Games for Financial Engineering

Direct price streams

Flexible Derivatives to Manage Individual Longevity Risk

Differential ML for risk management of financial derivatives

Deep Pharma Publicly Traded Companies Big Data Analytics Dashboard & AI-Pharma Portfolio



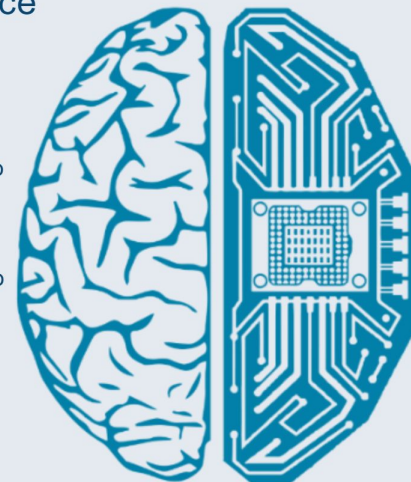
3 Months performance

Equally-weighted Portfolio
154.8%

Capitalization-adjusted Portfolio
39.9%

Min. Variance-adjusted Portfolio
41.3%

Sharpe-based Portfolio
245.8%

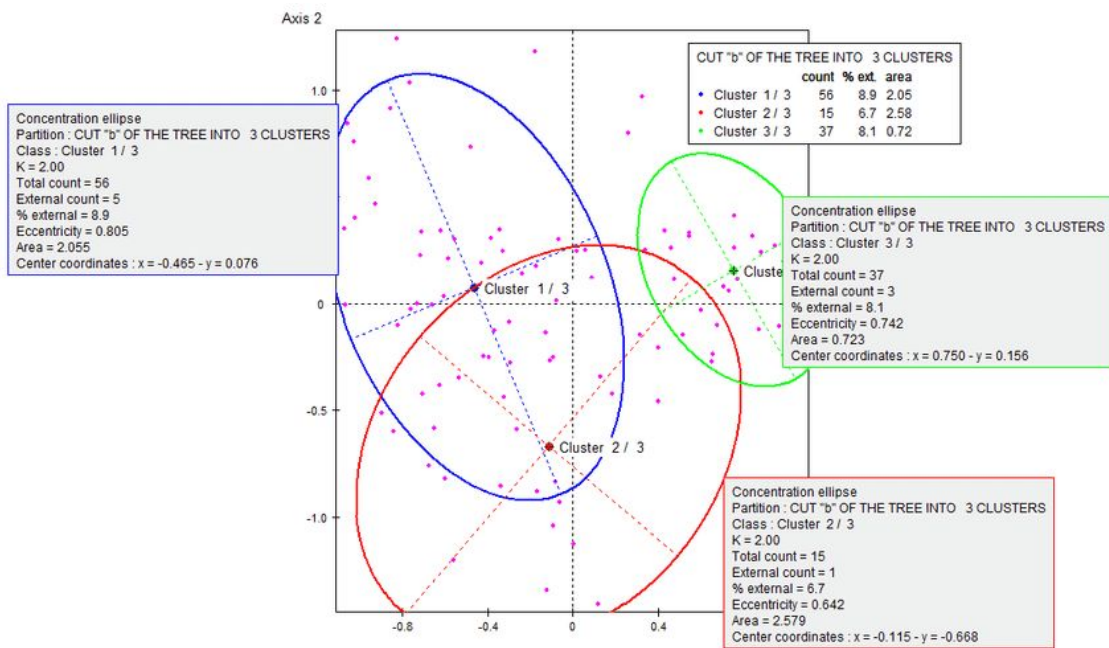
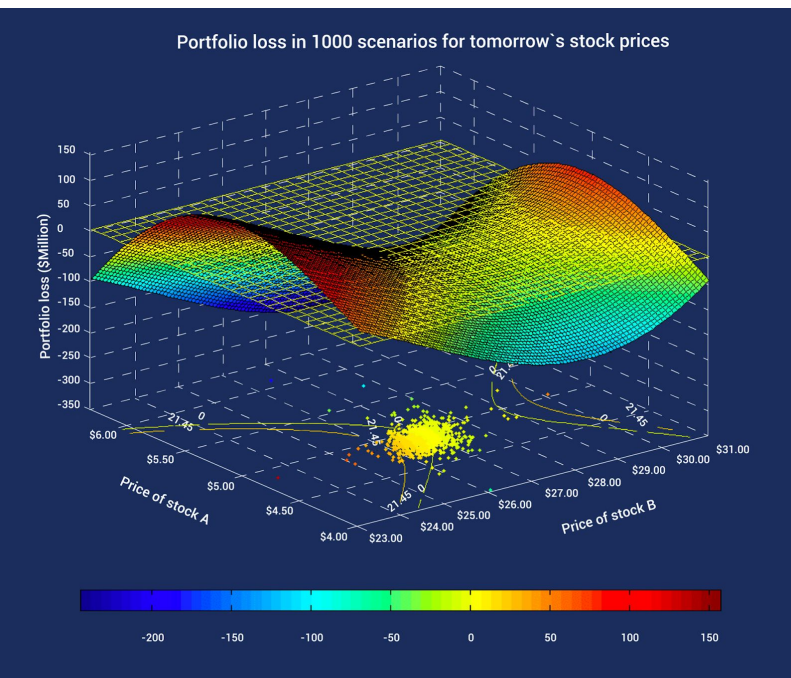


InvestTech is a core part of the data-driven solutions provided by Deep Knowledge Group subsidiaries, including the Dashboard of Deep Pharma Intelligence, where we supported the creation of different Landscape and Industry analytics, including but not limited to: Investment Digests, Companies and Industry Databases, Proprietary analytics and so on.

AI-Pharma Portfolio incorporates **13 companies** that are of great investment interest. These companies are analysed on the basis of products they provide, overall performance, market shares. The portfolio comprises real-time data on financial performance of the AI-related Pharma companies, the industry trends, the most prominent players, and stock market dynamics.

InvestTech Forecast and Analysis

InvestTech plays a key role in the DKG analytics family, providing cutting-edge technical solutions and assessment tools for market analysis, valuation, due diligence, financial engineering and venture investment. We create various types of **Multiparametric assessment analysis**, provide profound **Data mining through unique AI-driven algorithms**. The usage of different types of **Neural Networks** along with fundamental approaches from **advanced Game Theory** allows us to create **deep and long-lasting market and investment forecasts**. InvestTech also provides **Clusterization and competitor analysis** using different types of AI-based algorithms.



Neurotech Analytics

World's Premier Source of Neurotech Industry Analytics

Neurotech Analytics is the world's premier source of NeuroTech Industry Analytics, Forecasting and Benchmarking. It is the creation of Alon Braun from Riverbanks Solutions and Dmitry Kaminskiy from Deep Knowledge Group. Neurotech.com is the central repository of market insights and analytics, and news for the NeuroTech space, including sectors, influencers, investors, technologies, R&D centers, Hubs, companies, and trends.



NeuroTech Industry

Global NeuroTech Industry Landscape Overview Q4 2020

Analytical Report

NEUROTECH ANALYTICS

TECHNOLOGIES, COMPANIES, INVESTORS, TRENDS

www.neurotech.com

Main Activities



Leading neurotech companies, investors, NGOs, hubs, conferences, influencers, journalists, research institutions



Current and future trends of neurotech industry, as well as predictions



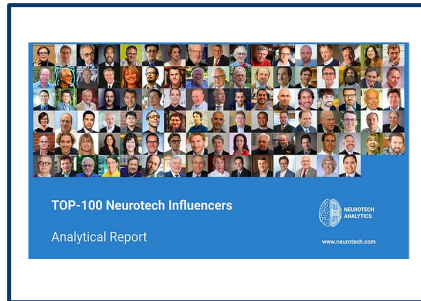
Technologies usage and implementation



Analysis of technology and investment readiness levels for different neurotech sectors

NeuroTech Analytics

During the last year, NeuroTech Analytics has produced several evaluations of the NeuroTech Industry landscape. The company has recently published the second iteration of “Global NeuroTech Industry Landscape Overview”, which describes the global NeuroTech landscape, featuring dynamic industry mindmaps that profile 450 Companies, 650 Investors, 260 Influencers, 100 Conferences and 40 Journalists active in the NeuroTech space, interactive charts and graphs, and an 80-page analytical report summarizing key takeaways and trends to watch out for in 2021.



2020

2021
Upcoming

Website: www.neurotech.com



“With the publication of this comprehensive analytical report on the global NeuroTech Industry, we bring NeuroTech.com deeper into the realm of quantitative and tangible industry analysis, benchmarking and forecasting within the rapidly-developing and diversifying NeuroTech sector” said Alon Braun, Co-Founder of NeuroTech Analytics.

[READ THE ARTICLE](#)

Forbes

NeuroTech is one of the most promising areas of BioTech with unprecedented prospects for growth both in terms of technology and as an industry. In the last 20 years private capital funds invested more than \$19 billion in the sector, and annual growth of investment in the sector is 31%.

[READ THE ARTICLE](#)

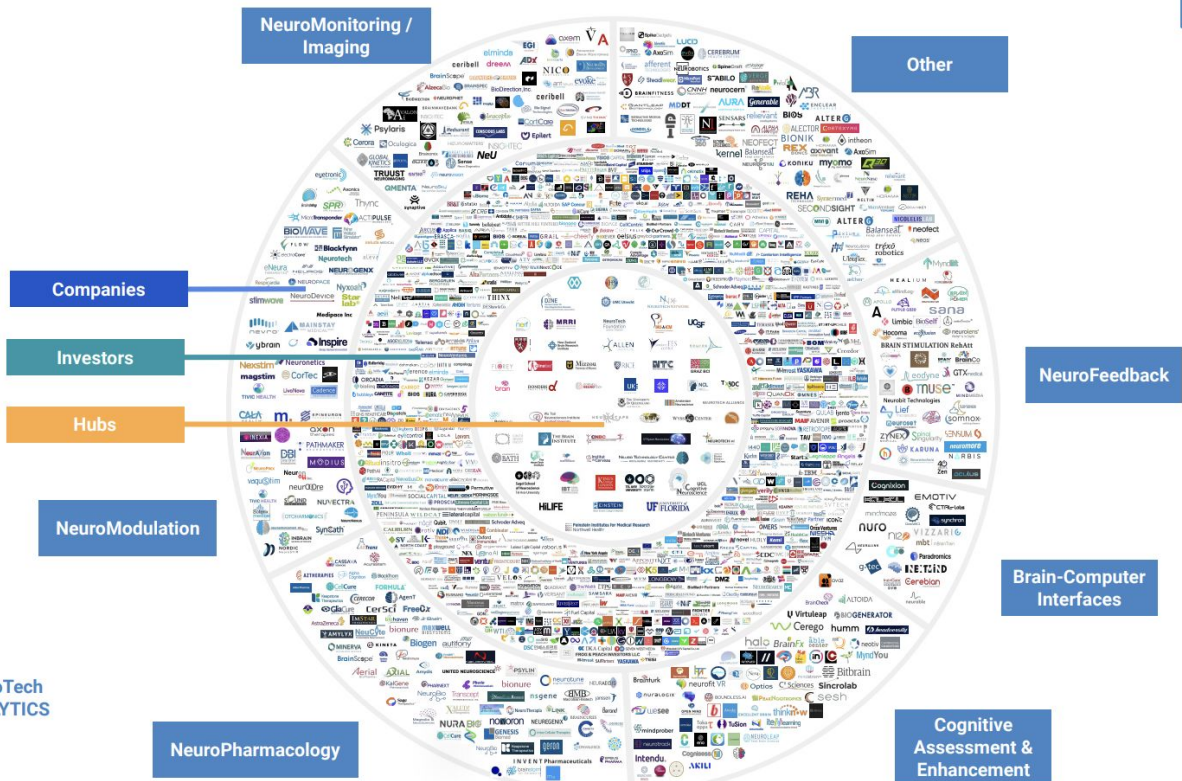


“NeuroTech is a rapidly developing frontier-technology driven sector complexified by its use of technologies like Artificial Intelligence, mathematics and data science that are evolving at breakneck speed,” said Dmitry Kaminskiy, Co-Founder of NeuroTech Analytics.

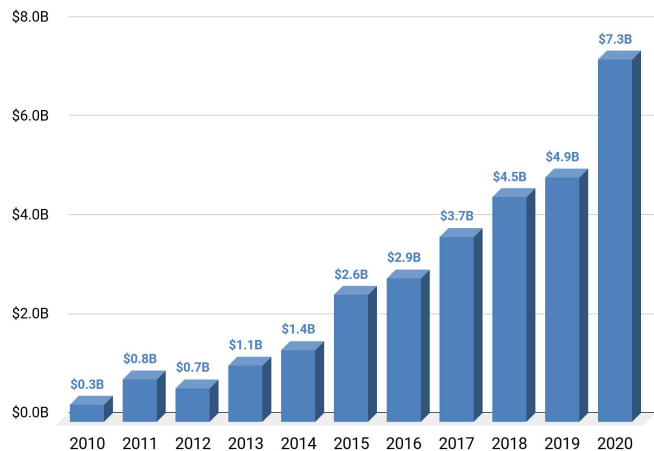
[READ THE ARTICLE](#)

NeuroTech Industry Landscape 2021

Companies - 1200
Investors - 650
Tech Hubs - 60



Investments in NeuroTech Industry and Top-10 NeuroTech Companies by Total Investments in 2021



NeuroTech Industry is one of the most promising and prospective sectors of modern biotech in particular and exponential markets in general.

Corporations, investors and other agents who will be able to utilize this growth and development will gain essential competitive advantages in their struggle for new markets, audiences, funding, and technologies. That competition is presented by the amounts of investments in new biotech companies. During the last 10 years, amount of investments in NeuroTech companies increased in 21 times from \$331 million to \$7.3 billion.

Overall investments in the NeuroTech companies amounts to \$33.2 billion.

Deep Knowledge Analytics

DeepTech Focused Analytical Subsidiary

DeepTech focused agency producing advanced analytics on DeepTech and frontier-technology industries using sophisticated multi-dimensional frameworks and algorithmic methods that combine hundreds of specially-designed and specifically-weighted metrics and parameters to deliver insightful market intelligence, pragmatic forecasting and tangible industry benchmarking.

Analytical Departments of Deep Knowledge Analytics

Deep Pharma
Intelligence

GovTech
E-Governance
Analytics

COVID-19
Analytics

Innovation
Eye

Interactive
MindMaps

SpaceTech
Analytics

Joint Projects & Strategic Partners



Website: www.dka.global

Deep Knowledge Analytics Divisions and JVs

Joint Ventures

Deep Pharma Intelligence is a leading strategic and investment intelligence agency focused on the emerging markets in the Pharmaceutical, BioTech, and Healthcare Tech industries.

Deep Pharma Intelligence

Innovation Eye

Innovation Eye provides sophisticated market analytics, industry intelligence, comparative industry classification frameworks and case studies, developing advanced tools for analysis and visualization.

Analytical Divisions

SpaceTech Analytics is an agency focused on markets in the Space Exploration, Spaceflight, Space Medicine, and Satellite Tech industries. The range of activities includes research on major areas of high potential SpaceTech industry.

SpaceTech Analytics

COVID-19 Analytics

COVID-19 analytics is designed to analyze the economic, social and health stability achieved by countries and regions, as well as the strengths, weaknesses, opportunities, and threats or risks that they present in the battle against COVID-19.

The GovTech Division focuses on producing sophisticated analytics that reveal major factors driving the ongoing transformation of the global GovTech industry, barriers to this process, and ways to overcome them.

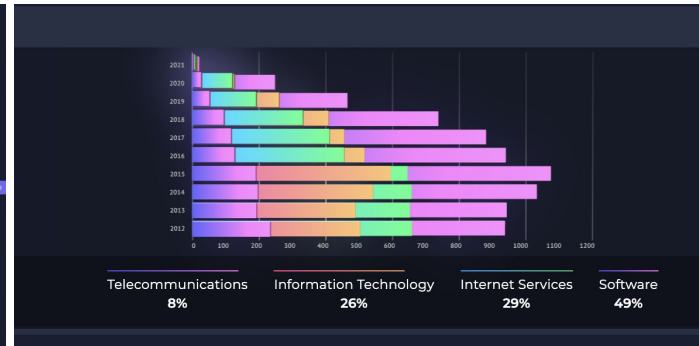
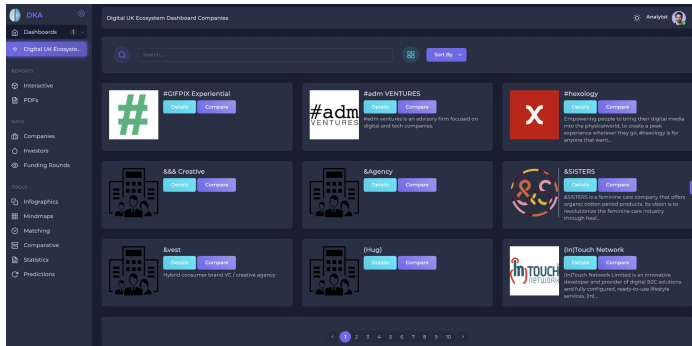
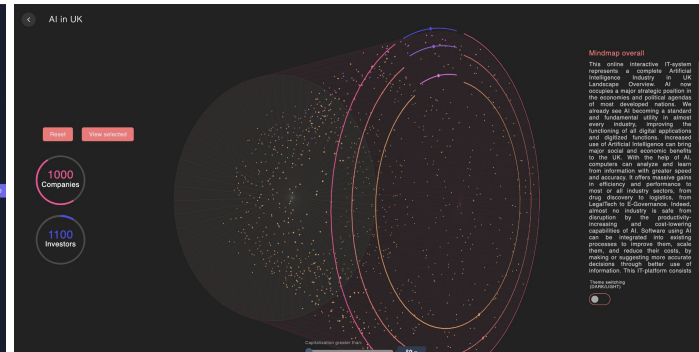
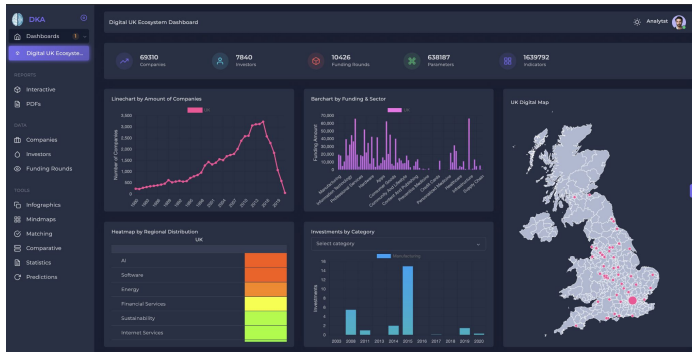
GovTech Analytics

Analytical Department

Analytical Department is responsible for Big Data analytical frameworks and visualizations, as well as the analysis of the state of different industries and preparing comprehensive case studies.

DKA Digital Platform Concept

Digital platform provides an opportunity to monitor digital industry growth in dynamics. In addition, the platform presents geographical data analytics visualizations, advanced 3D mindmaps and charts. Overall, it maintains a unique method in market research and forecasting, as well as trend visualization.



MarketWatch

[READ THE ARTICLE](#)

"If we were to follow the logic of these Short Sellers Reports to their fullest extent, it could be concluded that all innovative, DeepTech-driven companies working on something fundamentally new and disruptive may be easily accused in fraud", adds Co-founder at **Deep Knowledge Analytics Mr. Dmitry Kaminskiy**"

Bloomberg

[READ THE ARTICLE](#)

"**Deep Knowledge Analytics** conducted and released today (December 2nd 2020) an independent analysis regarding Citron Research and Muddy Waters short-sell campaign against Israeli Nasdaq traded company "Nanox"

FT FINANCIAL TIMES

[READ THE ARTICLE](#)

"Despite the recent hype, there is a lack of AI specialists and 'promising' drug discovery AI-startups, according to **Deep Knowledge Analytics.**"

The Telegraph

[READ THE ARTICLE](#)

"A report published on Wednesday by the All Party Parliamentary Group for AI claimed that the UK has all of the basic elements necessary to compete effectively in a global race to develop AI technology. The Big Innovation Centre and **Deep Knowledge Analytics** collected and produced the report."

The Guardian

[READ THE ARTICLE](#)

"Britain has all the required resources, as well as industrial and governmental will, to become a global hub for the technology by 2022, according to analysis by the Big Innovation Centre and **Deep Knowledge Analytics.**"

Forbes

[READ THE ARTICLE](#)

"By 2022, the UK will be a global hub for blockchain technologies and the crypto economy. That is the claim of a new report from the Big Innovation Centre and **Deep Knowledge Analytics**, released last month."

Forbes

[READ THE ARTICLE](#)

Deep Knowledge Analytics picked the 'Top 100 AI Leaders in Drug Discovery and Advanced Healthcare' out of an initial pool of 500 outstanding candidates.

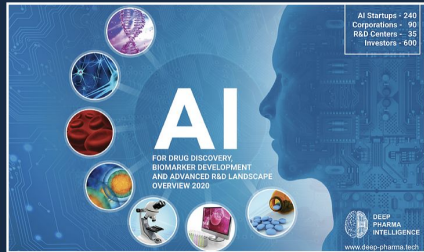
[READ THE ARTICLE](#)

Deep Knowledge Analytics Founder Dmitry Kaminskiy's has released new book "Longevity Politics: Longevity Technocracy, Modern Approaches to Policy, Governance & National Industrial Strategies, and Longevity as the New Political Priority of the 21st Century".

Deep Pharma Intelligence New Era in Pharma Analytics

Deep Pharma Intelligence is a leading strategic and investment intelligence agency focused on the emerging markets in the Pharmaceutical, BioTech, and Healthcare Tech industries. DPI is producing regular analytical reports on major areas of high-potential in the pharmaceutical and healthcare industries, maintaining ratings of companies and governments based on their innovation potential and business activity in the BioTech space, and providing strategic consulting and investment intelligence services to top-tier clients.

Artificial Intelligence in Pharma 2020



[View More](#)

5 High-Impact Technology Companies



[View More](#)

AI in Drug Discovery: Focus on Oncology



[View More](#)

Cell Therapies in Healthcare



[View More](#)

Deep Pharma Intelligence Timeline

During the last four years Deep Knowledge Analytics Pharma Division and later Deep Pharma Intelligence have produced dozens of assessments of the Pharma Industry landscape and how Artificial intelligence is disrupting almost every aspect of this field dominated by large pharmaceutical companies. In May 2021, the company has published "Artificial Intelligence in Drug Discovery: Focus on Oncology" with the aim to profile an ecosystem of biotech companies and technology developers, applying advanced data analytics and knowledge extraction technologies.

The timeline consists of 20 assessment reports published from 2017 to 2021. The reports are organized as follows:

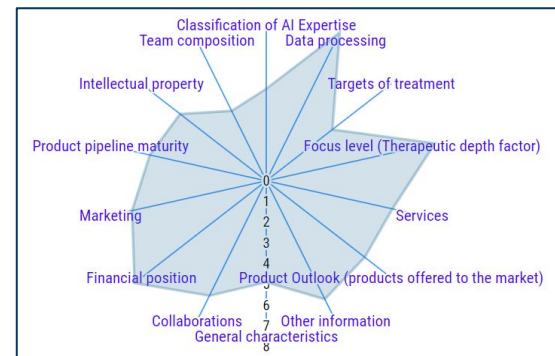
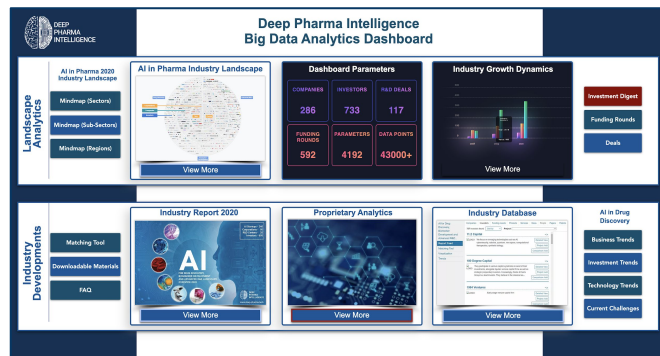
- 2017:** AI for Drug Discovery Landscape Overview 2017
- 2018:** AI for Drug Discovery, Biomarker Development and Advanced R&D Landscape Overview 2018 Q1, Q2, Q3, and Q4
- 2019:** Top-20 AI in Drug Discovery Investors Teaser; Top-30 Women AI Leaders in Drug Discovery and Advanced Healthcare; Declining Efficiency of R&D in Pharma Corporations Teaser; Pharma AI Stock Index Teaser; Quarterly reports for Q1, Q2, Q3, and Q4 2019
- 2020:** 5 High-Impact Technology Companies in Healthcare to Watch in 2021-2022; Pharmaceutical Artificial Intelligence Deals And Market 2020-2021 (Teaser); Cell Therapies in Healthcare Landscape Overview Q2 2021 Stem Cells and CAR-Ts (Teaser)
- 2021:** Artificial Intelligence in Drug Discovery: Focus on Oncology Q1 2021 (Teaser); Artificial Intelligence in Drug Discovery: Focus on Oncology Q2 2021 (Teaser)

DPI is focusing on three key activities:

Building a comprehensive big data analytics platform (SaaS) as a one-stop-shop for all market and business intelligence operations our customers may need, including profiling thousands of companies, market signals and trends, based on tens of millions of constantly updated data points.

Producing regular open access and proprietary reports on the emerging topics and trends in the pharmaceutical and healthcare industries. All reports are supported by our backend analytics systems and tools, allowing to get fresh insights and updates about opportunities and risks.

Providing commercial services, including investment advisory and strategic business consulting in the areas of pharma/biotech, medtech, and healthcare tech.





Deep Pharma Intelligence Big Data Analytics Dashboard

Landscape Analytics

AI in Pharma 2020
Industry Landscape

Mindmap (Sectors)

Mindmap (Sub-Sectors)

Mindmap (Regions)

AI in Pharma Industry Landscape



[View More](#)

Dashboard Parameters

COMPANIES

286

INVESTORS

733

R&D DEALS

117

FUNDING
ROUNDS

592

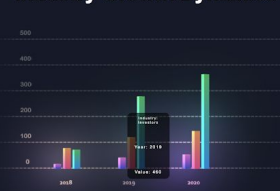
PARAMETERS

4192

DATA POINTS

43000+

Industry Growth Dynamics



[View More](#)

[Investment Digest](#)

[Funding Rounds](#)

[Deals](#)

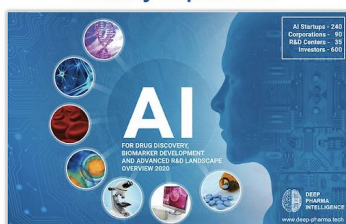
Industry Developments

[Matching Tool](#)

[Downloadable Materials](#)

[FAQ](#)

Industry Report 2020



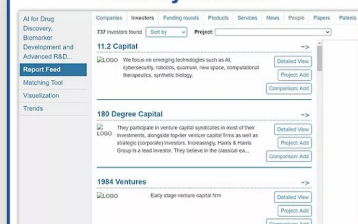
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Proprietary Analytics



[View More](#)

Industry Database



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AI in Drug Discovery

[Business Trends](#)

[Investment Trends](#)

[Technology Trends](#)

[Current Challenges](#)

Forbes

READ THE ARTICLE

“The rising trends was also observed for the sector of pharmaceutical artificial intelligence (AI). According to UK-based **Deep Pharma Intelligence**, the total amount of VC funding in AI-biotech startups increased in 2020 by around 23%, compared to 2019, approaching a total of \$1.9 billion, which is also more than in 2015, 2016 and 2017 combined. As noted by Dr. Andrii Buvailo, Director at Deep Pharma Intelligence: Some of the leading emerging players in the pharmaceutical AI race include US-based Deep Genomics, Healx and Recursion Pharmaceuticals as well as Hong Kong-based Insilico Medicine.”

Bloomberg

READ THE ARTICLE

“**Deep Pharma Intelligence** names Nanox Imaging, TransMedics, Inc., Outset Medical, Inc., Eargo, Inc., and Silk Road Medical, Inc. as best Health-Tech companies to watch in 2021-2022. The report provides an overview and brief assessment of 5 highly impactful and promising medical hardware technologies to be watched in 2021-2022, and the companies behind their development and commercialization.”

DRUG DISCOVERY WORLD

DDW

turning science into business

READ THE ARTICLE

“**Deep Pharma Intelligence** announces the release of a new, open-access 130-page analytical report and interactive analytics Dashboard: AI for Drug Discovery, Biomarker Development and Advanced R&D Landscape Overview 2020. This delivers advanced market intelligence, interactive mindmaps, benchmarking for companies, investors and technologies, competitive and SWOT analysis through the interactive IT-Platform and Big Data analytical Dashboard.”

MENAFN

READ THE ARTICLE

“Deep Knowledge Analytics and BPT Analytics (BioPharmaTrend) , two UK-based leaders in Pharma and Healthcare Analytics and market research have joined forces to incorporate a new entity, **Deep Pharma Intelligence Ltd**, which has been spun out of Deep Knowledge Analytics Pharma Division and incorporated in London, United Kingdom in order to provide actionable toolsets to optimize strategic decision making in the AI in Pharma and Healthcare sectors.”

GovTech Division

The GovTech Division of Deep Knowledge Analytics focuses on producing sophisticated open-access and proprietary analytics that reveal major factors driving the ongoing transformation of the global GovTech industry, main sectors to be changed, barriers to this process, and ways to overcome them. The division conducts quantitative analytics and benchmarking on the main types of technologies used by GovTech including blockchain, AI and machine learning, IoT, robotic automation, and geospatial data analysis, with emphasis on the best examples of their implementation.



GovTech / E-governance Global Industry Landscape in the Post-Pandemic World Q2 2021

June, 2021

GovTech / E-governance Global Industry Landscape in the Post-Pandemic World Q2 2021

[View](#)



Deep Knowledge Analytics
GovTech Division

GovTech Solutions for 2020 Elections:
US Case Study

December 2020

GovTech Solutions for 2020 Elections:
US Case Study

[View](#)



Global Longevity Governance Landscape Overview 2019

50 Countries Big Data Comparative Analysis of Longevity Progressiveness

AGRO
ASIAN TILES
AGENCY

Global Longevity Governance Landscape Overview 2019

[View](#)




GovTech / E-governance Global Industry Landscape Overview 2019

Teaser

GovTech / E-governance Global Industry Landscape Overview 2019

[View](#)



The Future is Asian

Inspired by The Future is Asian
by Parag Khanna

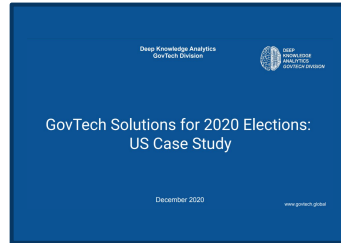
Teaser

The Future is Asian

[View](#)

GovTech Division Timeline

During the last few years, Deep Knowledge Analytics GovTech Division has produced a number of evaluations of the GovTech Industry landscape. The company has recently published the second iteration of “GovTech / E-governance Global Industry Overview”, which describes the impact of the COVID-19 outbreak on the industry. The report provides information on the main types of technologies used by GovTech including Blockchain, AI and Machine Learning, IoT, Robotic Automation, and Geospatial Data Analysis, with an emphasis on the best cases of their implementation.



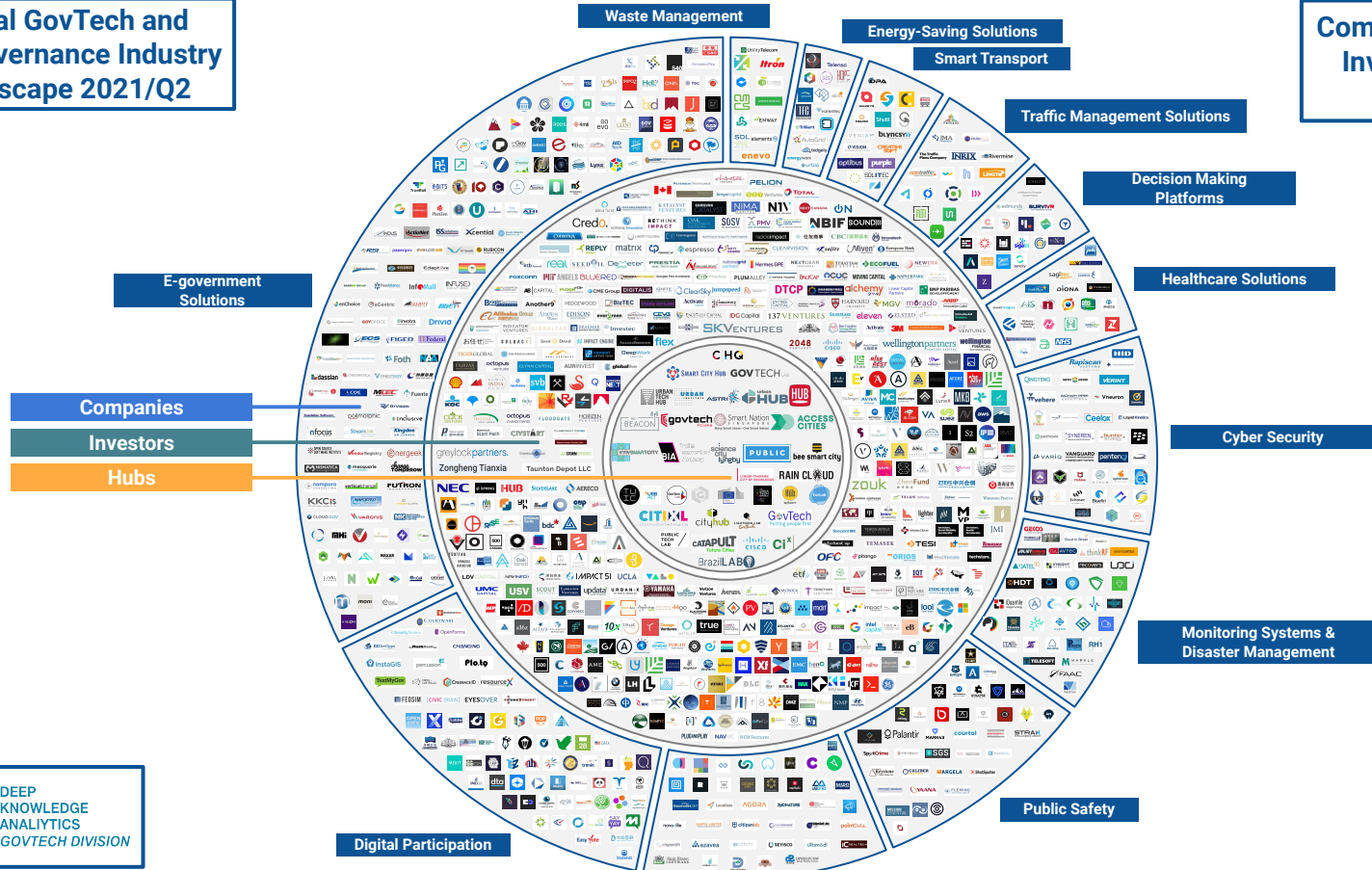
2019

2020

2021

Global GovTech and E-governance Industry Landscape 2021/Q2

Companies - 500
Investors - 500
Hubs - 35+



Covid-19 Big Data Analytics 2020-2021: DKA and DKG Previous Releases

Deep Knowledge Group's COVID-19 analytics is designed to classify, analyze and rank the economic, social and health stability achieved by countries and regions, as well as the strengths, weaknesses, opportunities, and threats or risks that they present in the battle against the global health and economic crisis triggered by COVID-19.

COVID19 City Safety Ranking Q1/2021: Benchmarking of Municipal Pandemic Response

25 Cities COVID-19 Ranking

#1 Abu Dhabi	73	#14 London	61
#2 Seoul	71	#15 Los Angeles	61
#3 Sydney	70	#16 Amsterdam	60
#4 Singapore	68	#17 Riyadh	58
#5 Ottawa	68	#18 Taipei	58
#6 Berlin	66	#19 New York	58
#7 Tokyo	66	#20 Moscow	56
#8 Tel Aviv	65	#21 Paris	53
#9 Zurich	63	#22 Istanbul	52
#10 Auckland	63	#23 Rome	52
#11 Oslo	62	#24 Budapest	50
#12 Hong Kong	62	#25 Bangkok	49
#13 Beijing	62		

[Read More](#)

Investment Migration Programs Health Risk Assessment

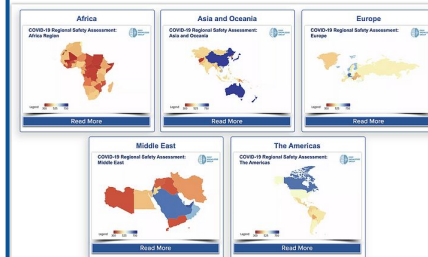
Henley & Partners

**Investment Migration Programs
Health Risk Assessment**

Groundbreaking research reveals unique insights into residence- and citizenship-by-investment programs

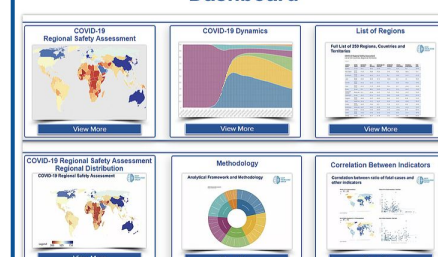
[Read More](#)

COVID-19 Regional Safety Assessment



[Read More](#)

GeoEconomic Dashboard COVID-19 Global Analytics Dashboard



[Read More](#)

Website: www.dka.global/covid-analytics

DeepTech Dashboards

GovTech / E-governance Global Industry Landscape in the Post-Pandemic World Dashboard

Landscape Analytics

GovTech Industry Landscape

GovTech Companies

GovTech Investors

GovTech Hubs

Gov Tech Industry Landscape

View More

Dashboard Parameters

COMPANIES 500	INVESTORS 500	HUBS 30+
INFLUENCERS 80+	CATEGORIES 12	REGIONS 5

Full Report

View More

GovTech Industry Landscape

Mindmap (Sectors)

Mindmap (Regions)

Mindmap (Static)

Industry Developments

GovTech Industry Landscape 2019

Landscape Overview

Interactive MindMap

Teaser

Interactive MindMaps

View More

Matching Tool

View More

Predictions and Conclusions

View More

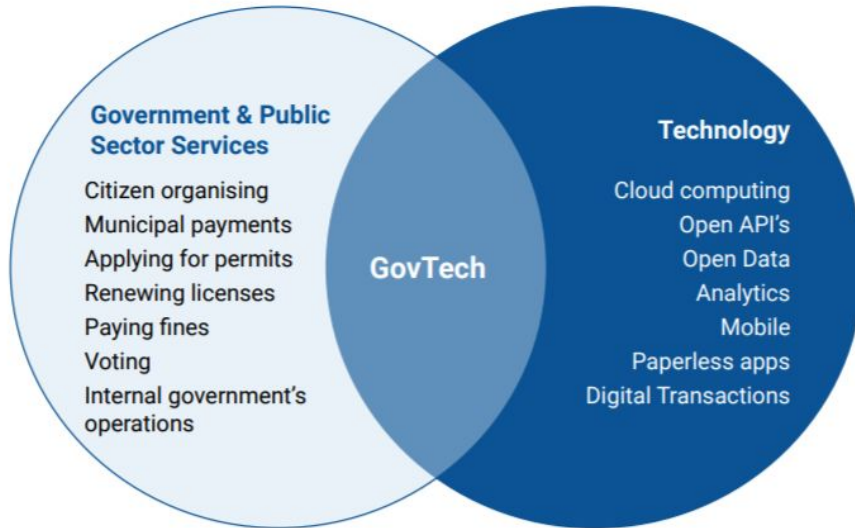
Downloadable Materials

Report

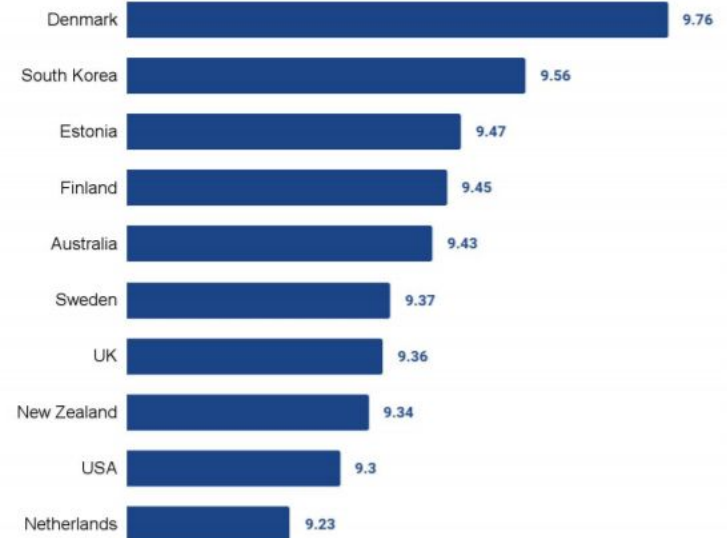
Teaser

One Pager

Stay-at-home ordinances and social distancing caused by COVID-19 have changed government and constituency engagement. The coronavirus pandemic has also exposed the flaws of legacy tech stacks. The limitations of legacy systems, including critical capacity gaps, as and cybersecurity issues, have become apparent to government officials worldwide. Digital transformation is being catalyzed by federal programs and regulations. They are accelerating technology adoption by increasing capital investment and streamlining procurement processes. By using API (standardized data transfer) and open data, and combining multiple data sources to find monetization proposals, startups bring a different approach to service delivery to GovTech.



Top-10 Countries by GovTech Index in 2020*



Covid-19 Big Data Analytics Timeline

COVID-19 MedTech IT-Platform May 5, 2020

COVID-19 Regional Safety Assessment (200 Regions) June 4, 2020

COVID-19 Regional Safety Assessment

Big Data Analysis of 200 Countries and Regions
COVID-19 Safety Ranking and Risk Assessment

GeoEconomic Dashboard COVID-19 Global Analytics Dashboard August 23, 2020

Covid-19 City Safety Rankings Q2/2021

Covid-19 City Safety Rankings Q2/2021:

COMING SOON

COVID-19 Regional Rankings March 26, 2020

COVID-19 Regional Safety Assessment May, 18 | 2020

20 Regions COVID-19 Safety Ranking

#1	ISRAEL	751	#11	UNITED ARAB EMIRATES	700
#2	GERMANY	749	#12	CANADA	699
#3	SWITZERLAND	742	#13	HONG KONG	698
#4	SINGAPORE	740	#14	BHARAT	685
#5	JAPAN	738	#15	DENMARK	671
#6	AUSTRIA	720	#16	TAIWAN	666
#7	CHINA	717	#17	SAUDI ARABIA	657
#8	AUSTRALIA	716	#18	HUNGARY	656
#9	NEW ZEALAND	715	#19	THE NETHERLANDS	651
#10	SOUTH KOREA	712	#20	VIETNAM	637

COVID-19 Regional Safety Assessment July, 30 | 2020

COVID-19 Regional Top-30 Ranking

#1	SWITZERLAND	760	#16	SAUDI ARABIA	657
#2	NEW ZEALAND	759	#17	LUXEMBOURG	656
#3	SWITZERLAND	758	#18	IRELAND	655
#4	HONG KONG	757	#19	FINLAND	654
#5	JAPAN	752	#20	BAHARI	651
#6	CHINA	751	#21	FRANCE	649
#7	AUSTRIA	749	#22	NETHERLANDS	648
#8	AUSTRIA	728	#23	BEHAVIOR	647
#9	SINGAPORE	726	#24	LITHUANIA	647
#10	UNITED STATES OF AMERICA	722	#25	NETHERLANDS	646
#11	NETHERLANDS	722	#26	NETHERLANDS	646
#12	NETHERLANDS	722	#27	NETHERLANDS	646
#13	NETHERLANDS	722	#28	NETHERLANDS	646
#14	NETHERLANDS	722	#29	NETHERLANDS	646
#15	NETHERLANDS	722	#30	NETHERLANDS	646

Investment Migration Programs Health Risk Assessment March 23, 2021

Investment Migration Programs Health Risk Assessment

Groundbreaking research reveals unique insights into residence and citizenship-by-investment programs

COVID19 City Safety Ranking Q1/2021: Benchmarking of Municipal Pandemic Response

25 Cities COVID-19 Ranking

#1	Abu Dhabi	72	#16	London	61
#2	Taipei	71	#17	Los Angeles	61
#3	Taipei	70	#18	Amsterdam	60
#4	Singapore	68	#19	Riyadh	58
#5	Osaka	68	#20	Taipei	58
#6	Berlin	66	#21	New York	58
#7	Taipei	66	#22	Moscow	56
#8	Taipei	65	#23	Paris	53
#9	Zurich	63	#24	Istanbul	52
#10	Amsterdam	63	#25	Berlin	52
#11	Zurich	63	#26	Tokyo	50
#12	Hong Kong	62	#27	Bangkok	49
#13	Beijing	62			

2020

2021

Website: www.dka.global/covid-analytics



READ THE ARTICLE

"Unlike some of the people who invented it, the **All Party Parliamentary Group on AI** has "no doubts" that artificial intelligence will bring "tangible and practical deliverables" to the UK – if only the right sort of people use it.

But it's full steam ahead for the All Party Parliamentary Group (APPG) on AI, which has lent its name to a 2,200-page report today on the state of AI, written for it by two consultancies, the **Big Innovation Centre and Deep Knowledge Analytics.**"



READ THE ARTICLE

"In October, the **Big Innovation Centre and Deep Knowledge Analytics**, in conjunction with the All-Party Parliamentary Group on Artificial Intelligence, created a new report, "Artificial Intelligence Industry in the UK 2018".

Commenting on the report, Co-Chair of the All-Party Parliamentary Group on Artificial Intelligence Lord Clement-Jones noted: "...we have now reached the inflection point which can be reasonably described as the Cambrian Explosion of AI in the UK."

ARTIFICIAL LAWYER

LEGAL TECH NEWS + VIEWS

READ THE ARTICLE

"The report by **Big Innovation Centre and Deep Knowledge Analytics**, which have been working closely with the UK Parliament's All Party Parliamentary Group on AI, said that the UK's healthy position was down

Professor Birgitte Andersen, CEO of Big Innovation Centre, said: "The UK now has a solid foundation to become a global AI leader, but Government must cement our unique position through investment into AI from all sectors of our economy ..."



READ THE ARTICLE

"The **Big Innovation Centre and Deep Knowledge Analytics**, in conjunction with the All Party Parliamentary Group on Artificial Intelligence, has released a new report examining the state of the artificial intelligence industry in the United Kingdom. The report is titled "Artificial Intelligence Industry in the UK 2018".

The report was released on October 24, 2018. By the All-Party Parliamentary Group on Artificial Intelligence Co-Chair Lord Clement Jones CBE. The report was written by Big Innovation Centre CEO Professor Birgitte Andersen and Deep Knowledge Analytics Co-founder Dmitry Kaminskiy."



[READ THE ARTICLE](#)

Deep Knowledge Group (DKG), a London-based analytical institute specialising in advanced analytics, has revealed in a new study that Abu Dhabi has come out top in the group's rankings as the safest city in the world thanks to its response to the COVID-19 pandemic.



[READ THE ARTICLE](#)

"In a pandemic, Switzerland hasn't simply been seen as a safe haven, but the safest place in the world. At least, that's what The **Deep Knowledge Group**,... concluded ... based on its Covid safety assessment of 250 countries."



[READ THE ARTICLE](#)

"Switzerland is the world's safest country, according to a new ranking by **Deep Knowledge Analytics**, a research company. Already there has been a run on residency in the country: According to the Swiss statistics office, 11,901 applied for residency in June, up from 8,798 in May."



[READ THE ARTICLE](#)

Abu Dhabi has ranked number one for the city's response to the COVID-19, according to new research. Per London-based analytics consortium, the **Deep Knowledge Group (DKG)**, the top 25 cities were outlined in their response to the pandemic.



[READ THE ARTICLE](#)

"South Korea been named 10th safest country out of 200 regions in the world for COVID-19, according a report from **Deep Knowledge Group**, a consortium of companies and non-profit organisations."



[READ THE ARTICLE](#)

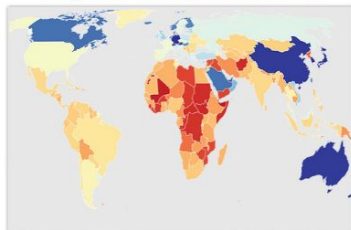
"Finance Minister Hong Nam-ki posted a Forbes article that ranked South Korea as the third safest out of 100 countries around the world during the COVID-19 pandemic. The ranking is based on an updated report by the Hong Kong-based **Deep Knowledge Group**, which assesses the economy, politics, health care and safety of 250 countries in relation to COVID-19."

COVID-19 Global Analytics Dashboard

GeoEconomic Dashboard

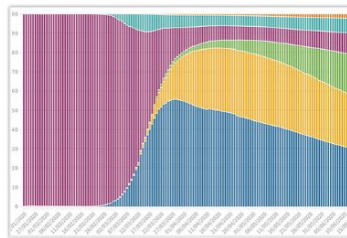
- Quarantine Efficiency
- Government Efficiency
- Monitoring & Detection
- Healthcare Readiness
- Country Vulnerability
- Emergency Preparedness

COVID-19 Regional Safety Assessment



[View More](#)

COVID-19 Dynamics



[View More](#)

List of Regions

Full List of 250 Regions, Countries and Territories

COVID-19 Regional Safety Assessment
List of 250 Countries, Regions, Territories

Region	World Region	Population	Area (km ²)	Population Density (per km ²)	Population Growth Rate (%)	Population Growth Rate (per 1000)	Life Expectancy (years)	Life Expectancy (per 1000)
Africa	Africa	1213	30365	4	2.5	25	54	54
Asia	Asia	4535	44580	101	0.5	5	73	73
Europe	Europe	746	10180	73	0.1	1	78	78
Latin America	Latin America	648	20360	32	0.2	2	75	75
Middle East	Middle East	375	7000	54	0.3	3	72	72
Oceania	Oceania	0.4	3300	121	0.1	1	81	81
North America	North America	365	24700	15	0.0	0	78	78

[View More](#)

MedTech IT-Platform

Safety Score of 30 Regions

COVID-19 Interactive Mindmaps

35,000+

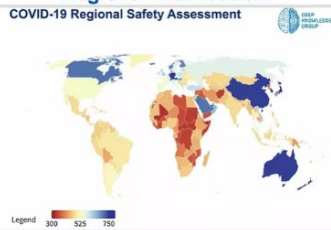
Data Points

Were used in this special analytical case study

Regional Distribution

- [Africa](#)
- [Asia & Oceania](#)
- [Americas](#)
- [Europe](#)
- [Middle East](#)

COVID-19 Regional Safety Assessment Regional Distribution



[View More](#)

Methodology

Analytical Framework and Methodology



[View More](#)

Correlation Between Indicators

Correlation between ratio of fatal cases and other indicators



[View More](#)

Correlation between ratio of fatal cases and other indicators

Obesity

Population Density

Diabetes prevalence

Incidence of tuberculosis

Current health

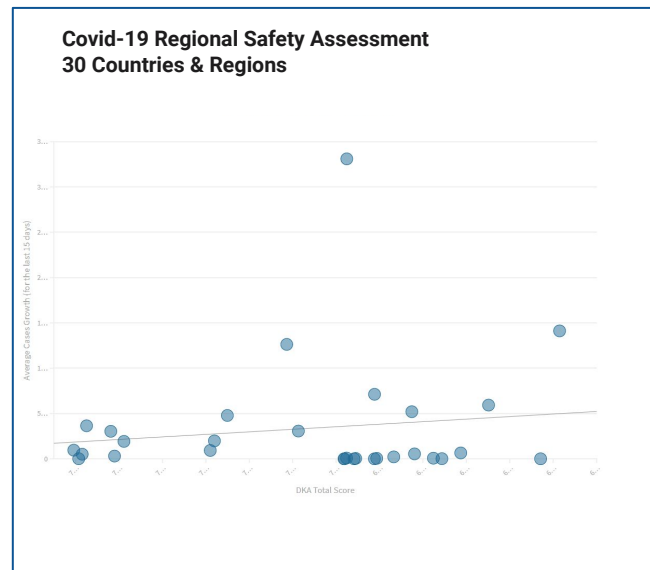
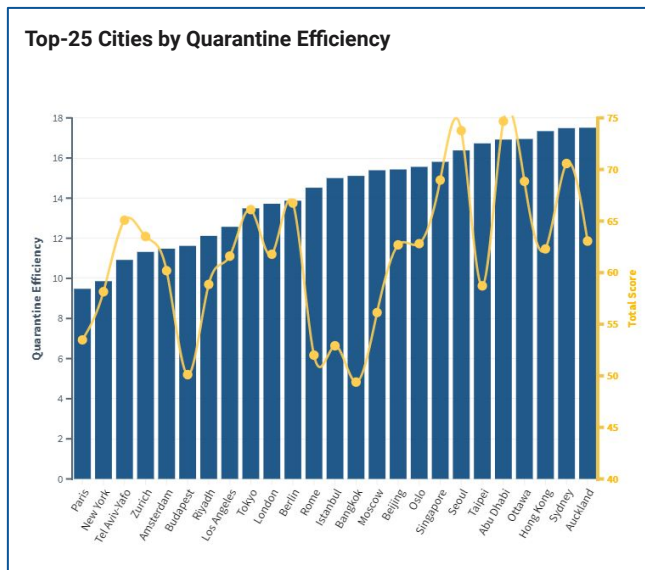
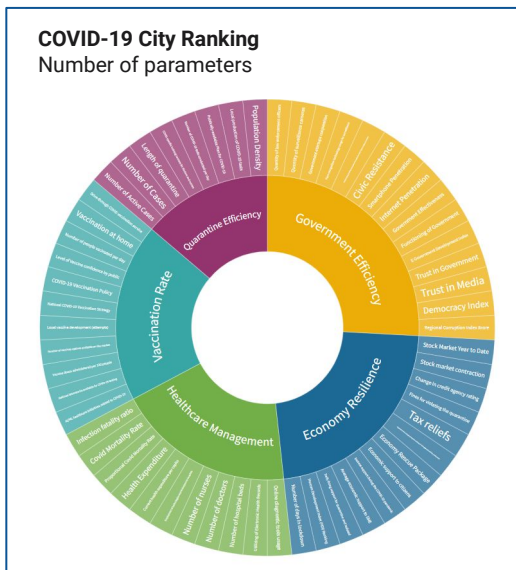
Number of Deaths

You Are Welcome!

Website: www.dka.global/covid-dashboard

Covid-19 Big Data Analytics: Value Proposition

Case studies aim that, regardless of whether the conclusions and recommendations presented in this special analytical case study are adopted wholesale, the present analysis can serve as a starting point for discussion and a resource for governments to optimize current and post-pandemic safety and stability, and as a toolset for establishing the best possible action plans for each particular region, in order to maintain the health and economic well-being of their populations and reverse the collateral damage caused by COVID-19. Analytical case studies are designed to classify, analyze and rank the economic, social and health stability achieved by cities and regions, as well as the strengths, weaknesses, opportunities, and threats or risks that they present in the battle against the global health and economic crisis triggered by COVID-19.



Website: www.dka.global/covid-analytics

Innovation Eye

Joint Venture between Deep Knowledge Analytics and Big Innovation Centre

Innovation Eye provides sophisticated market analytics, industry intelligence, comparative industry classification frameworks and benchmark case studies, developing advanced tools for analysis and visualization of technology and innovation ecosystems through reports, custom-made consultancy products and services, and dynamic interactive online IT-platforms.



Global mHealth Industry Landscape Overview 2020

New Report

DEEP KNOWLEDGE ANALYTICS | BIG INNOVATION CENTRE | INNOVATION EYE

Global mHealth Industry Landscape Overview 2020

Report | MindMap



Blockchain in UK
BLOCKCHAIN INDUSTRY
LANDSCAPE OVERVIEW 2018

TECHNOLOGIES, COMPANIES, INVESTORS, TRENDS

BIG INNOVATION CENTRE | DEEP KNOWLEDGE ANALYTICS | INNOVATION EYE

In coordination with All Party Parliamentary Group on Blockchain | www.appg.blockchain.org

Blockchain in UK Industry Landscape Overview 2018

Report | MindMap



Financial Inclusion
Developing World
LANDSCAPE OVERVIEW Q2 / 2018

TECHNOLOGIES, COMPANIES, INVESTORS, TRENDS

INNOVATION EYE | DEEP KNOWLEDGE ANALYTICS | BIG INNOVATION CENTRE

In dialog with the All Party Parliamentary Group on Artificial Intelligence | www.katibot.co.uk/ai | www.dka.co.uk | www.bic.org.uk

Financial Inclusion Developing World Landscape Overview Q2/2018

Report | MindMap



AI in UK
ARTIFICIAL INTELLIGENCE INDUSTRY
LANDSCAPE OVERVIEW Q3 / 2018


TECHNOLOGIES, COMPANIES, INVESTORS, TRENDS

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Artificial Intelligence Industry in the UK

Report | MindMap



FinTech for Social Good
Special Edition

TECHNOLOGIES, COMPANIES, INVESTORS, TRENDS

INNOVATION EYE | DEEP KNOWLEDGE ANALYTICS | BIG INNOVATION CENTRE

FinTech for Social Good Special Edition

Report | MindMap

Innovation Eye Timeline

Innovation Eye Limited is a company jointly founded in March 2019 by Big Innovation Centre Limited and Deep Knowledge Analytics Ltd. to provide sophisticated market analytics, industry intelligence, comparative industry classification frameworks and benchmark case studies, developing advanced tools for analysis and visualization of technology and innovation ecosystems through reports, custom-made consultancy products and services, and dynamic interactive online IT-platforms.

In 2021, Innovation Eye together with Deep Knowledge Analytics will present two projects regarding Blockchain and AI industries that are the second iterations of case studies first published in 2018. The reports will be introduced on APPGs.

FinTech for Social Good
Special Edition

INNOVATION EYE TECHNOLOGIES, COMPANIES, INVESTORS, TRENDS

FinTech for Social Good
Special Edition

Report MindMap

AI in UK
ARTIFICIAL INTELLIGENCE INDUSTRY
LANDSCAPE OVERVIEW Q3 / 2018

TECHNOLOGIES, COMPANIES, INVESTORS, TRENDS

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In collaboration with All Party Parliamentary Group on Artificial Intelligence

Artificial Intelligence
Industry in the UK

Report MindMap

Financial Inclusion
Developing World
LANDSCAPE OVERVIEW Q2 / 2018

TECHNOLOGIES, COMPANIES, INVESTORS, TRENDS

INNOVATION EYE

In collaboration with All Party Parliamentary Group on Blockchain

Financial Inclusion
Developing World
Landscape Overview Q2/2018

Report MindMap

Blockchain in UK
BLOCKCHAIN INDUSTRY
LANDSCAPE OVERVIEW 2018

TECHNOLOGIES, COMPANIES, INVESTORS, TRENDS

INNOVATION EYE

In collaboration with All Party Parliamentary Group on Blockchain

Blockchain in UK
Industry Landscape Overview 2018

Report MindMap

Global mHealth Industry
Landscape Overview 2020

INNOVATION EYE

New Report

DEEP KNOWLEDGE ANALYTICS

Global mHealth Industry
Landscape Overview 2020

Report MindMap

INNOVATION EYE

Artificial Intelligence Industry in the UK Landscape
Overview 2021 / Q2

Main trends: AI and COVID-19, AI ethics,
AI employment, AI products, AI implementation

DEEP KNOWLEDGE ANALYTICS

BIG INNOVATION CENTRE

www.innovationeye.com
www.bigcentre.com
www.dka.co.uk

INNOVATION EYE

Blockchain Industry
in the UK
Landscape Overview
2021 / Q2

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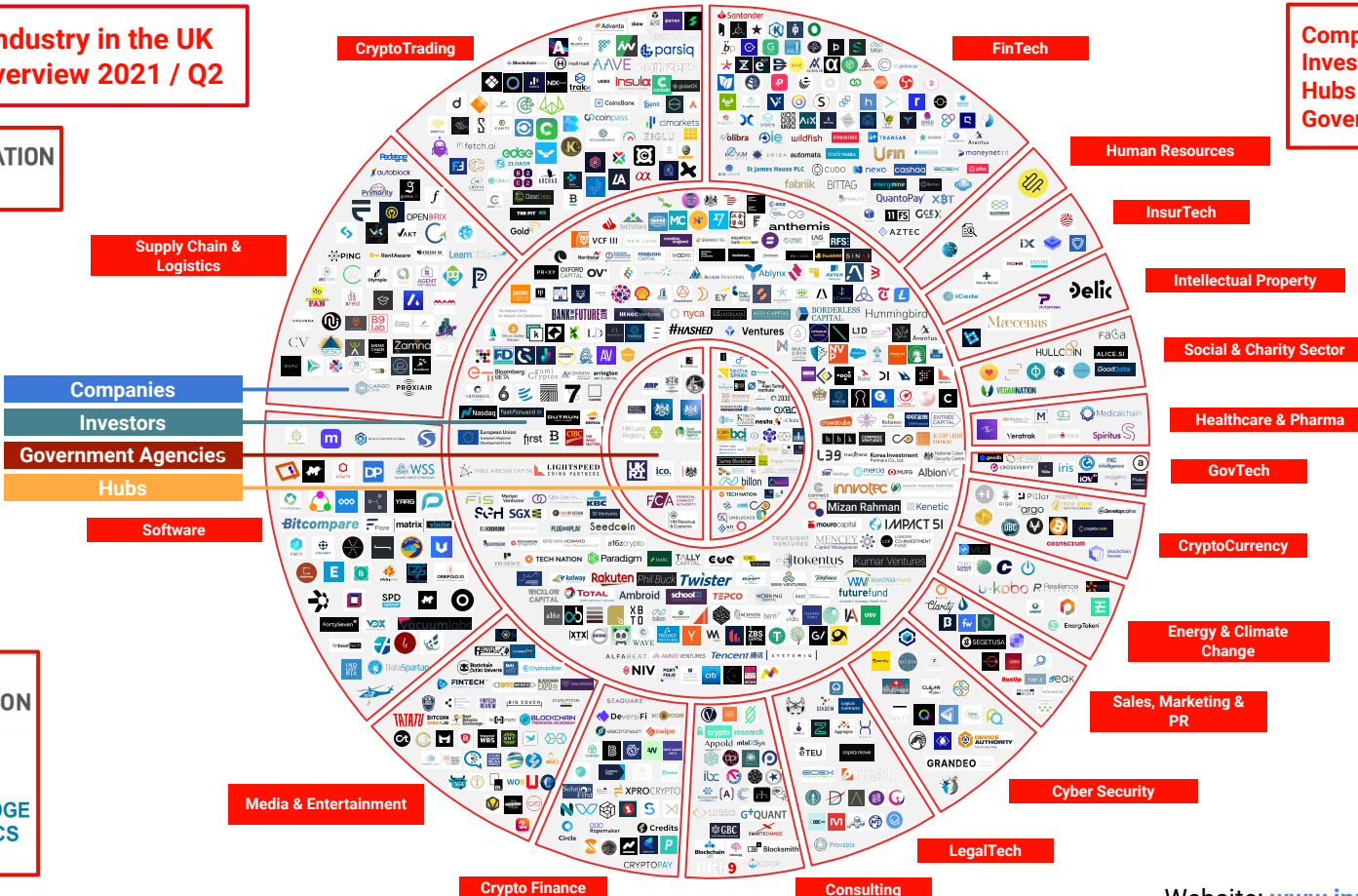
2018

2020

2021

Innovation Eye: Interactive Mindmap

Blockchain Industry in the UK Landscape Overview 2021 / Q2



Companies - 520
Investors - 280
Hubs - 45
Government Agencies - 15

Companies
Investors
Government Agencies
Hubs
Software



Website: www.innovationeye.com



Blockchain Industry in the UK Landscape Overview 2021 / Q2





www.innovationeye.com
www.biginnovationcentre.com
www.dka.global




Artificial Intelligence Industry in the UK Landscape Overview 2021 / Q2

Main trends: AI and COVID-19, AI ethics, AI employment, AI products, AI implementation




www.innovationeye.com
www.biginnovationcentre.com
www.dka.global

Global mHealth Industry Landscape Overview 2020



Global mHealth Industry 2020
32-Page Report

Full Report | Profile




Global mHealth Industry
Landscape Overview 2020

One Pager | Press Release


Global mHealth Industry Landscape Overview 2020 produced by Big Innovation Centre and Deep Knowledge Analytics and powered by Innovation Eye, presents a brief overview of the Global mHealth Industry Ecosystem.

The special case study profiles and categorisation of 200 companies, 320 investors and 25 hubs, are classified from according to 13 industry sub-sectors and practical applications (Diagnose, Health, Medical, Health, Telehealth, COVID-19, Neurotech, SleepTech, FarmTech, Oral and Nutriceut, Oral and Fitness, Fitness and Sport, and Diagnostics & Prognosis) and 12 regions (United Kingdom, USA, Singapore, China, India, Switzerland, Germany, France, Italy, Austria, India and Others).




Global mHealth Landscape
by Region


View Interactive Mindmap



Global mHealth Landscape
by Sector


View Interactive Mindmap






Global mHealth Landscape by Sector

View Static Mindmap



Global mHealth Landscape by Region

View Static Mindmap



Global mHealth Industry
Technology Advancement Ranking

View Ranking

SpaceTech Analytics

New Era in Big Data Analytics for SpaceTech Industry

SpaceTech Analytics is a strategic analytics agency focused on markets in the Space Exploration, Spaceflight, Space Medicine, and Satellite Tech industries. The range of activities includes research and analysis on major areas of high potential in the SpaceTech industry, maintaining profiling of companies and governmental agencies based on their innovation potential and business activity, and providing consulting and analytical services to advance the SpaceTech sector.

SpaceTech Industry 2021 Report



[View More](#)

1000+ SpaceTech Leaders



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SpaceTech Industry in Figures



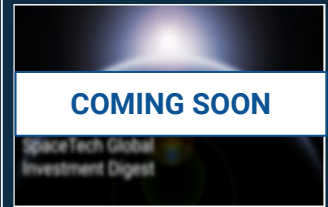
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Interactive Charts



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SpaceTech Global Investment Digest



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[Big Data Analytics Dashboard](#)
[SpaceTech Report 2021](#)
[Proprietary Analytics](#)
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Space Tech
Companies

[Top Public Companies](#)
[Funding Rounds](#)
[Leading Companies & Investors](#)

SpaceTech Mindmap


[View More](#)

Dashboard Parameters

COMPANIES

10000+

INVESTORS

5000

HUBS AND R&D

280

INDUSTRY SECTORS

20+

PARAMETERS

100+

DATA POINTS

1499979

List of Companies

Year	Company Name	Details
2019	IT Bank	IT Bank is a commercial bank in the United States. It was established in 1974 as Bank of International Trade and Commerce (BIC) in New York.
2019	ABN AMRO	ABN AMRO Bank N.V. is a Dutch Bank with headquarters in Amsterdam. ABN AMRO Bank is the first major bank in the Netherlands. It was established in 1990 as a merger of ABN, AMRO and other smaller banks. It is a member of the European Central Bank (ECB).
2019	ABN AMRO India	ABN AMRO India is a subsidiary of ABN AMRO Bank N.V. It was established in 2007 as a joint venture between ABN AMRO Bank N.V. and Citibank India.
2019	AEON	AEON Credit Service (India) Private Limited is a leading provider of credit services in India. It was established in 2007.

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[International Collaborations](#)
[Small Satellites](#)
[Technical Issues and Solutions](#)

Industry
Overview

Other
Assessments

[Space Medicine Industry](#)
[Space Law & Economics](#)
[Unidentified Aerial Phenomena](#)

National Space Programms


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Space Travel Industry

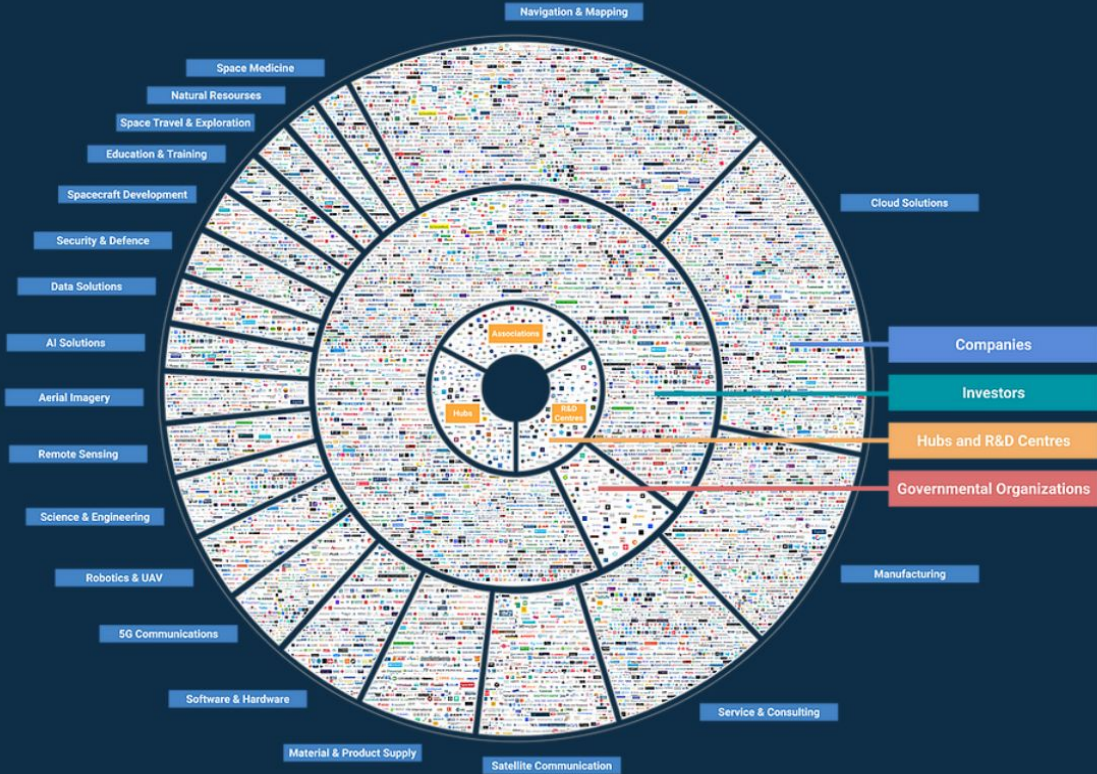

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SpaceTech Industry 2021 Report


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[Teaser](#)
[One Pager](#)
[Press Realese](#)

Landscape Overview
Documents

SpaceTech Industry Landscape (by Categories)



- Navigation & Mapping
- Material & Product Supply
- Cloud Solutions
- Software & Hardware
- Manufacturing
- 5G Communications
- Service & Consulting
- Robotics & UAV
- Satellite Communication
- Science & Engineering
- Remote Sensing
- Spacecraft Development
- Aerial Imagery
- Education & Training
- AI Solutions
- Space Travel & Exploration
- Data Solutions
- Natural Resources
- Security & Defence
- Space Medicine

The value our reports can deliver:

1

Deep analysis of the deal-making prospects in the SpaceTech space, identification of top mini-trends and larger tendencies in innovations and technology adoption (e.g. SpaceTech breakthroughs, commercial micro/nano-satellites, air and spacecraft, space missions, national space programs and etc.);

2

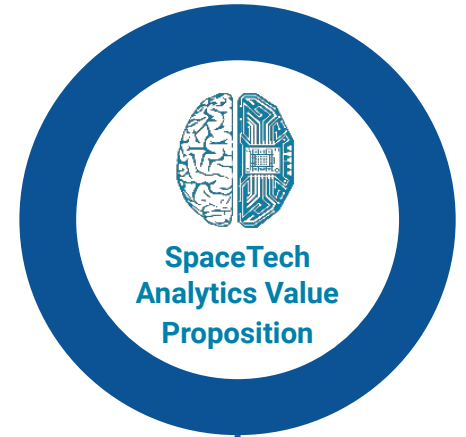
Tangible forecasts on the 3-5 years horizon, providing an overview of future scenarios of the development of various technologies in the SpaceTech industry;

3

Practical guides for adopting various technological solutions and best practices, vendor profiling, and contract research strategy building;

4

Analysis of key market players in the emerging and high-growth areas of SpaceTech industry.



Custom Consulting Projects

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Covering M&A Prospects

Strategic Growth Ideas

SpaceTech Analytics Roadmap

2021
Q1

2021
Q2

2021
Q3

2022/
2023

SpaceTech Industry 2021/Q2
Landscape Overview

Publicly Traded Companies in
SpaceTech Industry 2021

National Space Programmes
2021

1000+ SpaceTech Leaders
Full Database

SpaceTech Investment Digest

SpaceTech Industry
Landscape Overview 2021/Q3

Top Startups in SpaceTech
Industry

Big Data Analytics Dashboard

SpaceTech Report X (Coming
soon)

Incorporation of Machine
Learning, AI Engine by
SpaceTech Analytics

SpaceTech ETF Launch

Short Term Plans

Long Term Plan

Deep Knowledge Group

USA Activities



Metabesity and Longevity
USA Special Case Study
Analysis and Policy Implications

“Longevity & Metabesity: USA Special Case Study” is an open-access analytical report produced by Aging Analytics Agency and Targeting Metabesity 2019 that examines the links between metabesity, Longevity and the USA’s current health shortfalls, including low health-adjusted life expectancy (HALE) and the large gap between HALE and life expectancy, despite its extremely high per-capita healthcare expenditures. The analytical report also charts a variety of tangible policy recommendations that could enable the United States to neutralize its enormous health vs wealth deficit to the benefit of its citizens and economy.



TARGETING METABESITY 2019
15-16 October 2019 | Washington, DC, USA
www.metabesity2019.com

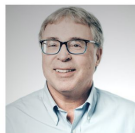


www.aginganalytics.com



Metabesity 2019 Conference Washington D.C, USA October 15th

Targeting Metabesity 2019 brings together Longevity experts, scientists, policy-makers, entrepreneurs and investors to discuss the links between Longevity and metabesity. As Targeting Metabesity's exclusive media partner, Aging Analytics Agency is co-producing an analytical report with the conference on the USA's Longevity policy deficits and shortfalls, to be distributed at the conference on October 15-16 2019 in Washington D.C



Nir Barzilai, MD

Director of Institute for Aging Research, Albert Einstein College of Medicine, USA

Dr. Nir Barzilai is a chaired Professor of Medicine and Genetics and Director of the Nathan Shock Center of Excellence in the Biology of Aging, the biggest center in the world to study the biology of aging. He is the recipient of an NIH Merit Award aiming to extend the healthy life span in rodents by biological interventions...

[Read Dr. Barzilai's Full Biography](#)



Kate Batz

Managing Partner of LongevityCapital, USA

Kate Batz is Managing Partner of LongevityCapital, a specialized investment fund focused on the longevity industry. She is also Director of Strategy and Business Development at Deep Knowledge Ventures Group, comprising of Deep Knowledge Ventures, Aging Analytics Agency, and Deep Knowledge Analytics.

[Read Ms. Batz' Full Biography](#)



John Buse, MD, PhD

Professor of Medicine, Director of Diabetes Care Center of University of North Carolina, USA

Dr. John Buse is the Verne S. Caviness Distinguished Professor, Chief of the Division of Endocrinology, Director of the Diabetes Center, Director of the NC Translational and Clinical Sciences Institute, and Executive Associate Dean for Clinical Research at the University of North Carolina (UNC) School of Medicine in Chapel Hill...

[Read Dr. Buse's Full Biography](#)

Longevity Partner:



Media Partners:



Kaminskiy Keynote Presentation at RAADFest (Largest USA Longevity Conference)

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Dmitry Kaminskiy,
RAADFest presenter

www.kaminskiy.info/raadfest

Dmitry Kaminskiy, Managing Partner of Deep Knowledge Ventures and Managing Trustee of the Biogerontology Research Foundation delivered a keynote address at RAADFEST 2017, discussing The Business of Longevity and giving a sneak preview of a landmark analytical report on the emerging longevity industry titled Longevity Industry Landscape Overview 2017: The Science of Longevity.



Dmitry Kaminskiy & Dr. Jeffrey Life (world's oldest bodybuilder at 82 years of age), following Kaminskiy keynote address

Longevity Industry in California

Longevity Industry in California

LANDSCAPE OVERVIEW 2019

www.aginganalytics.com



Longevity Industry in California 2019

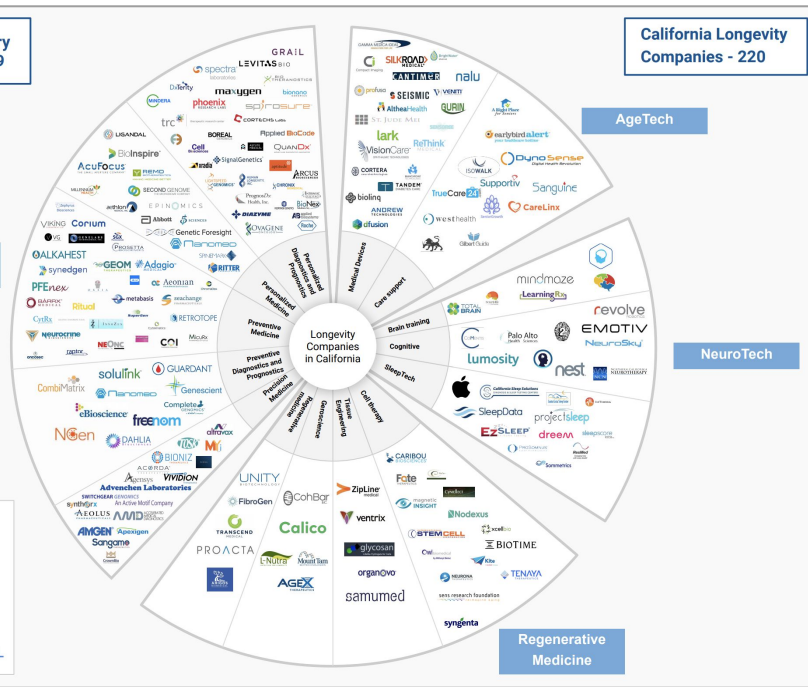
Precision Medicine

AGING ANALYTICS AGENCY

DEEP KNOWLEDGE ANALYTICS

LONGEVITY INTERNATIONAL

California Longevity Companies - 220



Science, Technology, Policy, Economics, Trends



Longevity and AI-Pharma Big Data Analytics Dashboards

Overview

Longevity Investment Big Data Analytics Dashboard

The Longevity Investment Analytics Dashboard developed by the **Aging Analytics Agency** aims to produce **knowledge-based validated investment insights** covering four major longevity branches: financial longevity industry, longevity R&D, longevity medicine and longevity technology.

The project generates **quantifiable and advanced data-driven investment recommendations** to conduct **an effective and inexpensive SWOT analysis and due diligence** for Longevity companies and investors and **real-time financial analytics and consulting** for private and publicly traded companies across 20 Longevity sectors.

Investment analytics focuses on a number of key technological areas, including:

- AI for Longevity;
- Biomarkers of Longevity;
- AgeTech;
- GeroScience;
- Longevity FinTech;
- Longevity InsurTech;
- NeuroTech;
- Longevity FemTech;
- Space Medicine;
- Deep Diagnostics;
- P4 Medicine, and others.

The analytics can deliver funding targets to investors and funding to companies and detailed SWOT analysis

Investors

- SWOT analysis of investment targets;
- Due diligence of portfolio companies;
- Stock market analysis;
- Analysis of the strategies of leading industry investors.

Companies

- SWOT analysis of competitors;
- Automatized business development recommendations generation;
- AI-based matching with investors.



Longevity Investment Big Data Analytics Dashboard

Market
Intelligence

Longevity Investment
Market Intelligence

Major Trends

Network Diagrams

Interactive MindMaps

Interactive Mindmaps



View More

Dashboard Parameters

DATA POINTS

4810866

PERSONALITIES

16107

COMPANIES

19603

INVESTORS

9007

SECTORS

14

SUBSECTORS

140

Dynamic Industry Charts



View More

Longevity Investment
Market Intelligence

SWOT Analysis

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Longevity Investment
Ecosystem Investors

Investor Portfolio Search

Investor Competitors Search

Investor Search

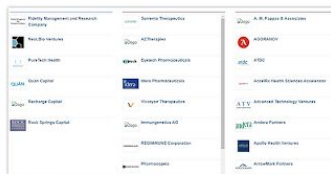
Investor & Company
Advanced Search



Find Investors

Find Companies

Competitor Search



Company Competitors

Investor Competitors

Interactive Network Diagrams



View More

Longevity Investment
Ecosystem Companies

Company Investor Search

Company Competitors Search

Entrepreneur Search



Deep Pharma Intelligence Big Data Analytics Dashboard

Landscapes Analytics

AI in Pharma 2020
Industry Landscape

Mindmap (Sectors)

Mindmap (Sub-Sectors)

Mindmap (Regions)

AI in Pharma Industry Landscape



[View More](#)

Dashboard Parameters

COMPANIES

286

INVESTORS

733

R&D DEALS

117

FUNDING
ROUNDS

592

PARAMETERS

4192

DATA POINTS

43000+

Industry Growth Dynamics



[View More](#)

Investment Digest

Funding Rounds

Deals

Industry Developments

Matching Tool

Downloadable Materials

FAQ

Industry Report 2020



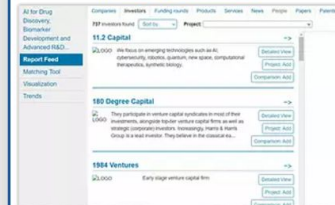
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Proprietary Analytics



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Industry Database



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AI in Drug
Discovery

Business Trends

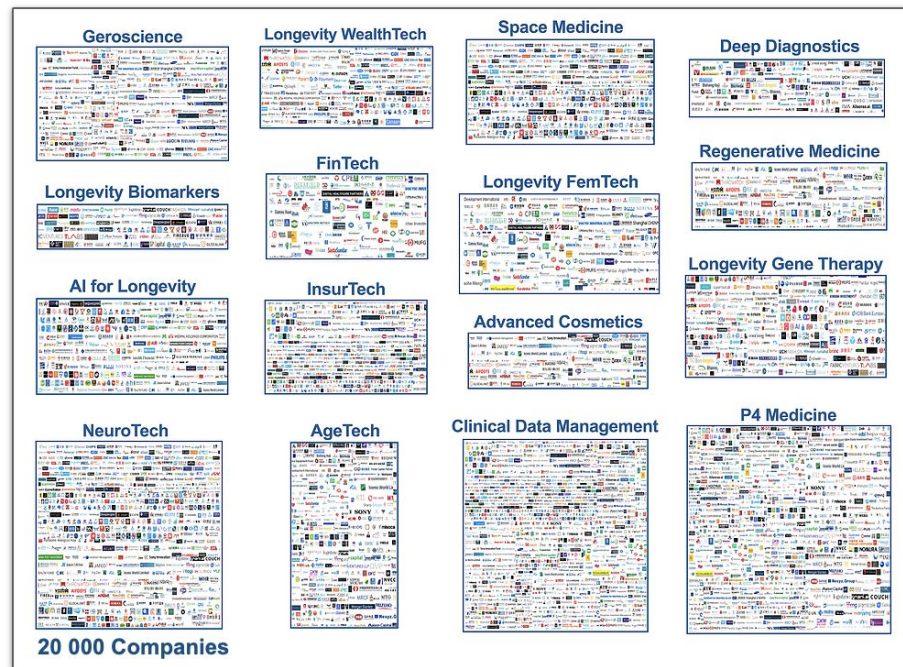
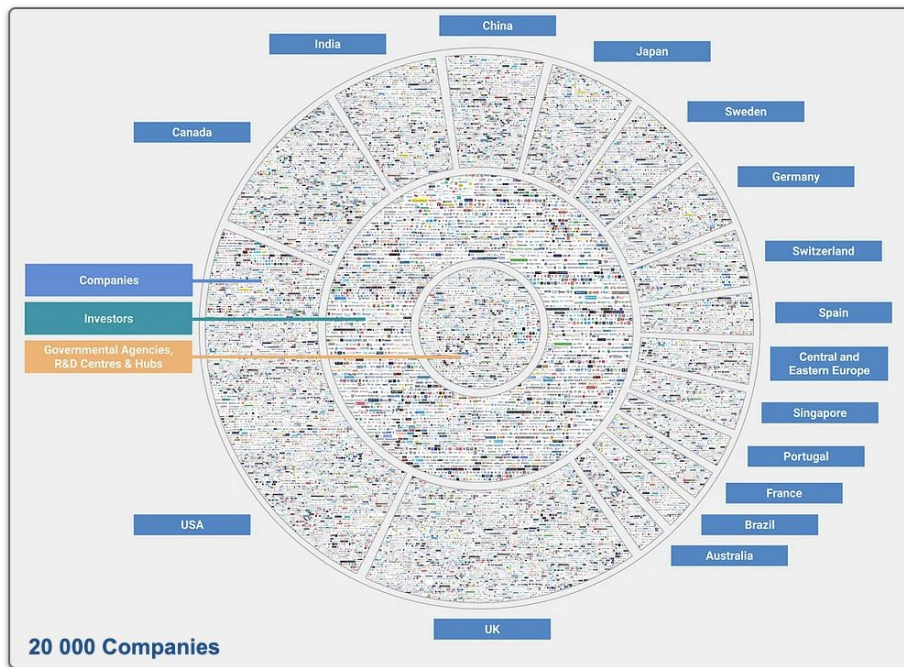
Investment Trends

Technology Trends

Current Challenges

Global Longevity Industry Landscape 2021

Aging Analytics Agency uses its AI algorithms to profile the entire global Longevity Industry



- 20,000 Companies
- 9,000 Investors
- 1,000 R&D Hubs
- 16 Sectors

www.longevity.international/global-longevity-ecosystem

Our AI and Data Science Technologies

The technologies (AI, ML, algorithms, data aggregation, mathematical transformations) that are applied for each of our products are listed below.

Data aggregation

Data extrapolation through regressions

Data extrapolation through deep neural networks

Natural language processing for tag cloud creation

Data parsing

Deep neural networks for data structuring

SWOT Analysis

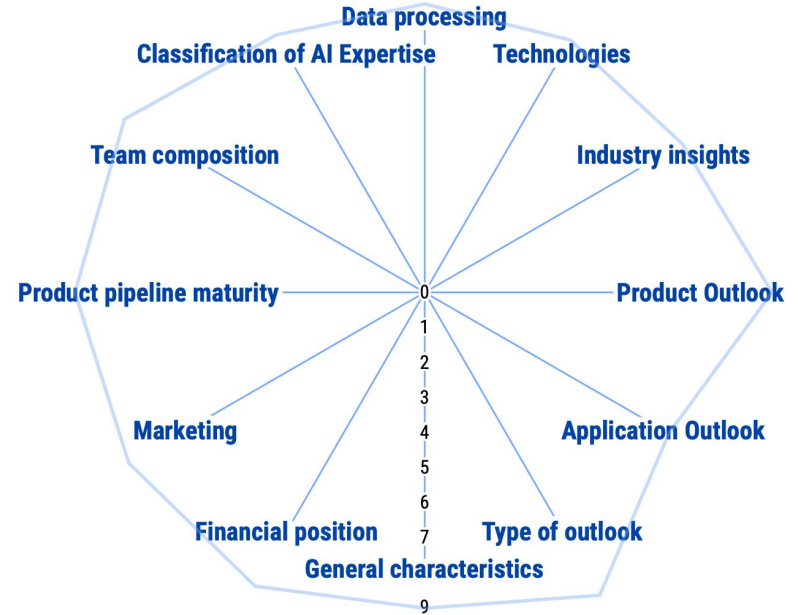
Polynomial formulas, multidimensional vector spaces

Mathematical transformations: logarithmic, exponential, parabolic, multiplicative

Business development harmonization analysis: definite integrals, standard deviation

Variance-covariance analysis of company parameters

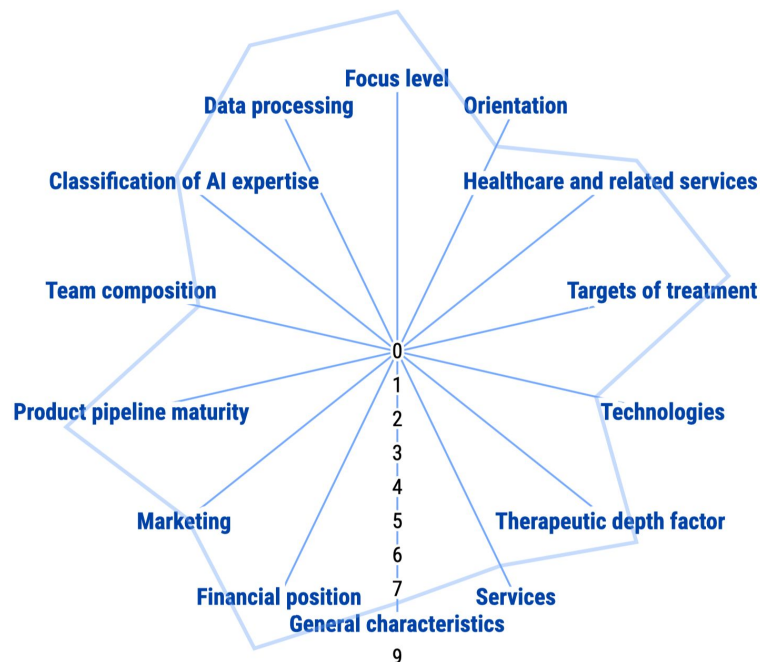
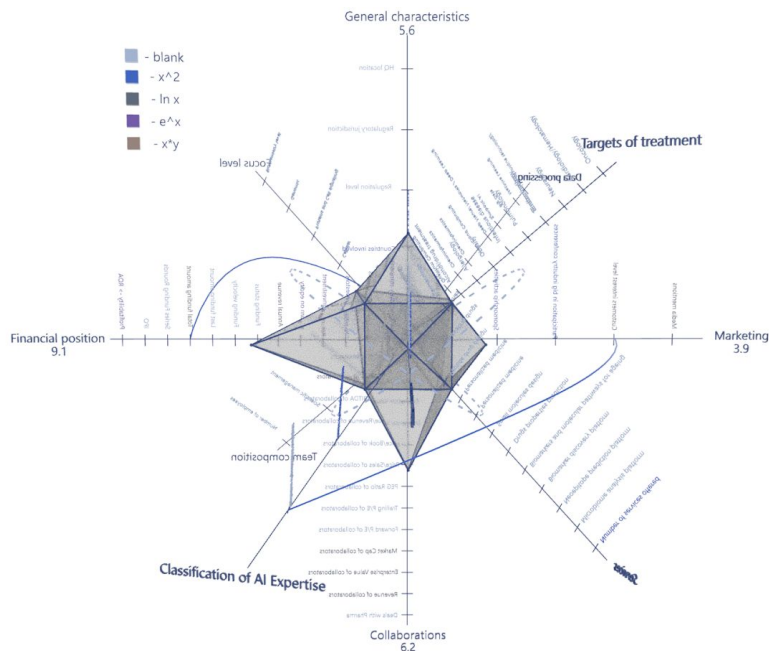
Linear algebra



Multiparametric SWOT Analysis

Aging Analytics Agency offers a state-of-the-art interactive online AI-based **SWOT analysis system** covering most companies and investors in the Longevity Industry.

The product allows the companies to conduct initial data-driven due diligence **instantly, automatically and holistically** by comparing multiple parameters for each company combined in the 12 vectors of R&D and business development. The results of the analysis are represented in easily perceived 2-dimensional and 3-dimensional radar chart form.



AI for Drug Discovery: Advanced Visualisation Prototypes



At Deep Knowledge Group we believe in **the power of data**. But for the data to translate its dominance into practical utility, it is essential to present data in the right way so that it can tell a story about markets and trends and point to a unique growth opportunity or investment prospects.

Our visualization methods include

- 2D and 3D data visualization charts;
- Knowledge graphs;
- Multiparametric SWOT analysis charts;
- Mind maps, Treemaps;
- Network Diagrams;
- Trends charts and heatmaps;
- Filters and sorting tools.



We care about collecting comprehensive data, but we also care about presenting it the right way to enhance our **visualization expertise** constantly.

As the amount of information we use in our analytics grows exponentially, informational visualization becomes increasingly essential.

Longevity Banking Card

Overview

Account Features



UK & EU IBANS



MULTI CURRENCY ACCOUNTS



DEBIT CARD



MONEY TRANSFERS



CASH LOAD



LONGEVITY MARKETPLACE



PERKS



FAST SIGN UP



REAL-TIME NOTIFICATIONS



TRAVEL INSURANCE



BUSINESS ACCOUNTS



24/7 SUPPORT

Longevity Marketplace Categories

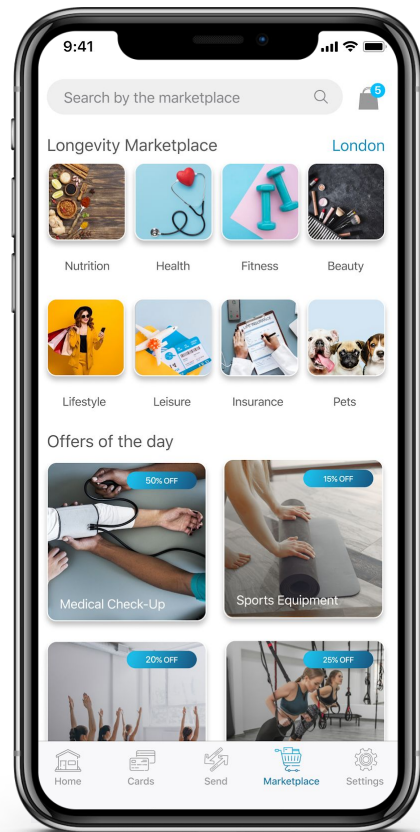
FITNESS &
WELLNESS

HEALTHCARE

BEAUTY &
COSMETICS

HEALTH & TRAVEL
INSURANCE

WELLNESS
TOURISM & SPA



HEALTHY
LIFESTYLE

PRIVATE CLINICS

MEDICAL
CHECK-UPS

HEALTHY
NUTRITION & FOOD

PET CARE

Meet Longevity Card

CLICK TO WATCH THE VIDEO

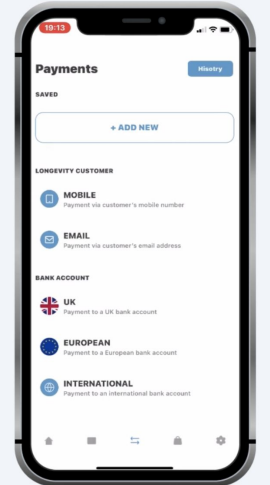
Face ID allows you to sign in to the app, and you are welcomed by the home screen which gives an overview of your recent transactions.

You can also have a quick glance of Longevity stories to see our latest news, updates and also see health tips from leading experts.

On the next screen you can view your active mastercards as well as your cardless account. You have the ability to freeze your card and check your card details. You can even order a new card.

Next you've got the payments transfer option - we are working with Transferwise to offer multi-currency solutions.

 LONGEVITY CARD



CLICK TO WATCH THE VIDEO

Longevity Banking Card | Full Concept Overview

LONGEVITY ECOSYSTEM



- Single Longevity ID for all products;
- Longevity Banking Card;
- Longevity Club Card;
- Longevity Mobile mHealth App;
- Longevity Marketplace;
- Longevity Rewards;
- Longevity Club Events;
- Proprietary Analytics and News;
- Longevity Business Account;
- Wallet featuring ecosystem products.

ROBO ADVISORS AND ASSISTANTS



- Voice Assistant;
- Chatbot;
- Longevity Stories;
- Financial Planner;
- Personalized Offers with up to 30% cash-back/reward points;
- Big Data and Machine Learning;
- Biometrics and other technologies.

OFFERS FROM PARTNERS IN VARIETY OF INDUSTRIES

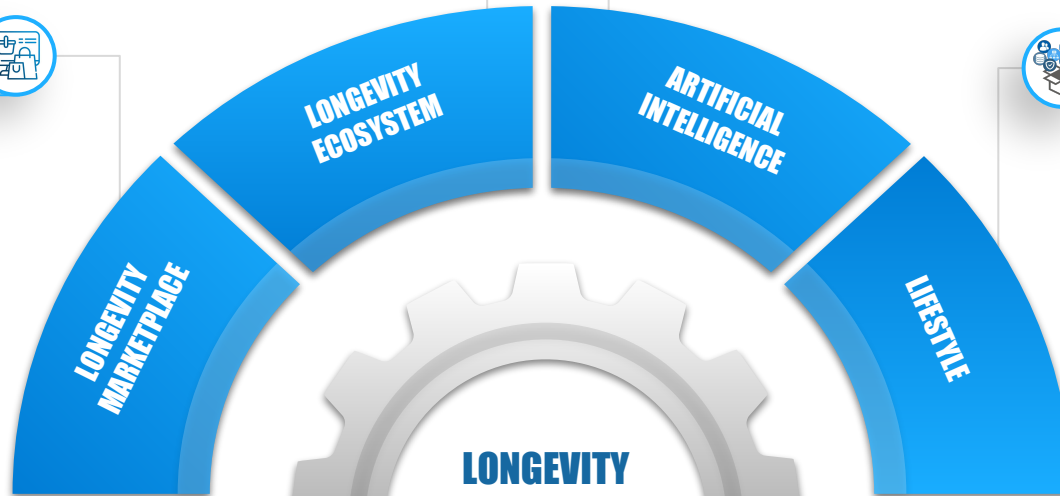


- Products and Online Retail;
- Health and Beauty;
- Fitness and Wellness;
- Telemedicine;
- Nutrition and Vitamins;
- Health Diagnostic Services;
- Prognostic Services;
- Yoga;
- Local GPs;
- Education.

INTEGRATION OF OWN SERVICES



- mHealth;
- Insurance;
- Personal Tips;
- Accounting;
- Travel;
- Shopping;
- Healthy Lifestyle Coach.



CARD

LONGEVITY REWARDS

LONGEVITY CARD LOYALTY PROGRAM



- Management of longevity points, bonuses, and discounts;
- Referral Program;
- Rewards for Health data;
- Longevity Ambassador Program;
- Additional discounts for gaining advanced loyalty levels.

PAYMENTS AND TRANSFERS

PAY, SEND AND RECEIVE MONEY FAST



- Domestic and International Transfers;
- Direct Debits;
- SEPA Payments;
- Faster Payments;
- SWIFT Payments.

LONGEVITY CARD FOR ELDERLY

SPECIALIZED FINANCIAL PRODUCT FOR SENIORS



- Banking Services for people 70+ years old;
- Transaction limits and spending control;
- Prevention of financial exploitation;
- Children and grandchildren can be assigned tasks and earn rewards for their grandparents for their completion;
- Lifestyle services for Elderly;
- Longevity Elderly App;
- Implementation of AgeTech.

DAILY BANKING

MANAGING YOUR FINANCE HAS NEVER BEEN SO EASY



- All Longevity Card financial products;
- Debit and Prepaid Cards;
- ATM Withdrawals;
- Cash loading in the partner network;
- Post offices cash loading;
- Itemized receipts;
- Filter-enabled expense statistics;
- Statement and other document requests;
- 24/7 live customer support;
- Apple Pay, Samsung Pay, Google Pay.



Longevity Card signed a long-term contract with Accomplish Financial (a one-stop-shop banking as a service provider) in July 2020.

On the August 26, Longevity Card issued its first MVP debit card with AF Payments Limited, under a license by Mastercard International and its Principal Member. The Financial Conduct Authority authorises AF Payments Limited under the Electronic Money Regulations 2011 (FRN: 900440) to issue electronic money and payment instruments.

Longevity Card built a test MVP app, which is presented on the Apple Store and Google Play. The primary purpose of the test App creation was the successful integration and testing of underlying banking technologies, while the front-end structure will be fully done in May 2021.

Longevity Card Marketplace Partners:



Longevity Banking Card | Future Development Plans

- **May 2021:** Fully developed Mastercard Debit Card with Web and Mobile banking app with mHealth integration.
- **May 2021:** Longevity Marketplace, offering the world's best products and services in the Longevity Industry, exclusively featuring scientifically and technologically validated vendors.
- **May 2021:** Launched UK current accounts in GBP and EU current accounts in EUR both for UK and EEA residents and citizens.
- **June 2021:** Integration of Mobile Health technology into Longevity Card's ecosystem to track users' fitness activity and reward users with Longevity Points. Longevity Card users can earn 'Longevity Points' by sharing their daily activity and nutrition through the app. Longevity Points give additional discounts to Longevity Marketplace vendors and open access to exclusive offers.
- **July 2021:** Corporate debit cards and current accounts.
- **July 2021:** Starting the process of applying for a full UK Banking License.
- **September 2021:** Integration of AgeTech (Q3 2021), technologies adjusted for the Senior Generation, including preventing financial exploitation technologies, voice control for users with eye impairment, VR and AR technologies instead of visiting a branch, and adjusted user-friendly interface to ensure seamless user experience.
- **November 2021:** Launch of Longevity Card in the USA and Canada under the umbrella of local banking as service providers.
- **Q4 2022:** Will obtain a full banking license in the UK (Retail & SME corporate clients).



Deep Knowledge Group Longevity Financial Industry Activities

*Longevity Investment Bank, ETF,
Structured Products and Financial Advisory*

Longevity Financial Advisory Firm & InvestTech IT-Platform

Longevity Big Data
Investment Analytics



Next Generation
InvestTech IT-Platform



Correspondent Banking
Accounts for Professional
Corporate Investors

- **Longevity Financial Advisors Ltd** is a leading advisory boutique focused on the Longevity Industry. Its shareholders and senior managers have built up significant expertise in private and public capital markets, as well as a substantial network of companies operating in the industry.
- **Longevity Financial Advisors** will provide intermediary financial services that will be deployed in the form of an interactive online semi-automated IT-platform designed for end-users of investment products and services. The platform will serve as the WealthTech/InvestTech financial marketplace for professional investors, family offices, and institutional investors.
- **Longevity Financial Advisors** will provide industry-specific analytical systems to enable significant optimization of deal flow, selection, and execution capabilities for investors.
- **Longevity Financial Advisors Ltd** is regulated by the UK Regulatory Framework. Longevity Financial Advisors Ltd is an Appointed Representative of the FCA regulated Razlin Limited and therefore authorized to provide investment advisory services and representing the FCA regulated Electronic Money Institution for the issuance of correspondent banking accounts.

Longevity Financial Advisors / Scope of Services

Longevity Financial Advisors will provide a range of next-generation advisory services to companies and investors operating in the Longevity Industry and facilitate creating a safe, liquid investment and fundraising environment to contribute to the industry's sustainable development.

WealthTech

M&A

InvestTech

**Structured Financial
Products**

RegTech

LegalTech

De-Risking Investments

**Big Data Investment
Analytics**

Credit Risk Assessment

**Private Placement
Advisory**

**Performance
Measurement**

Industry Research

InsurTech

Risk Optimization

**Portfolio
Construction**

**Technical & Scientific Due
Diligence**

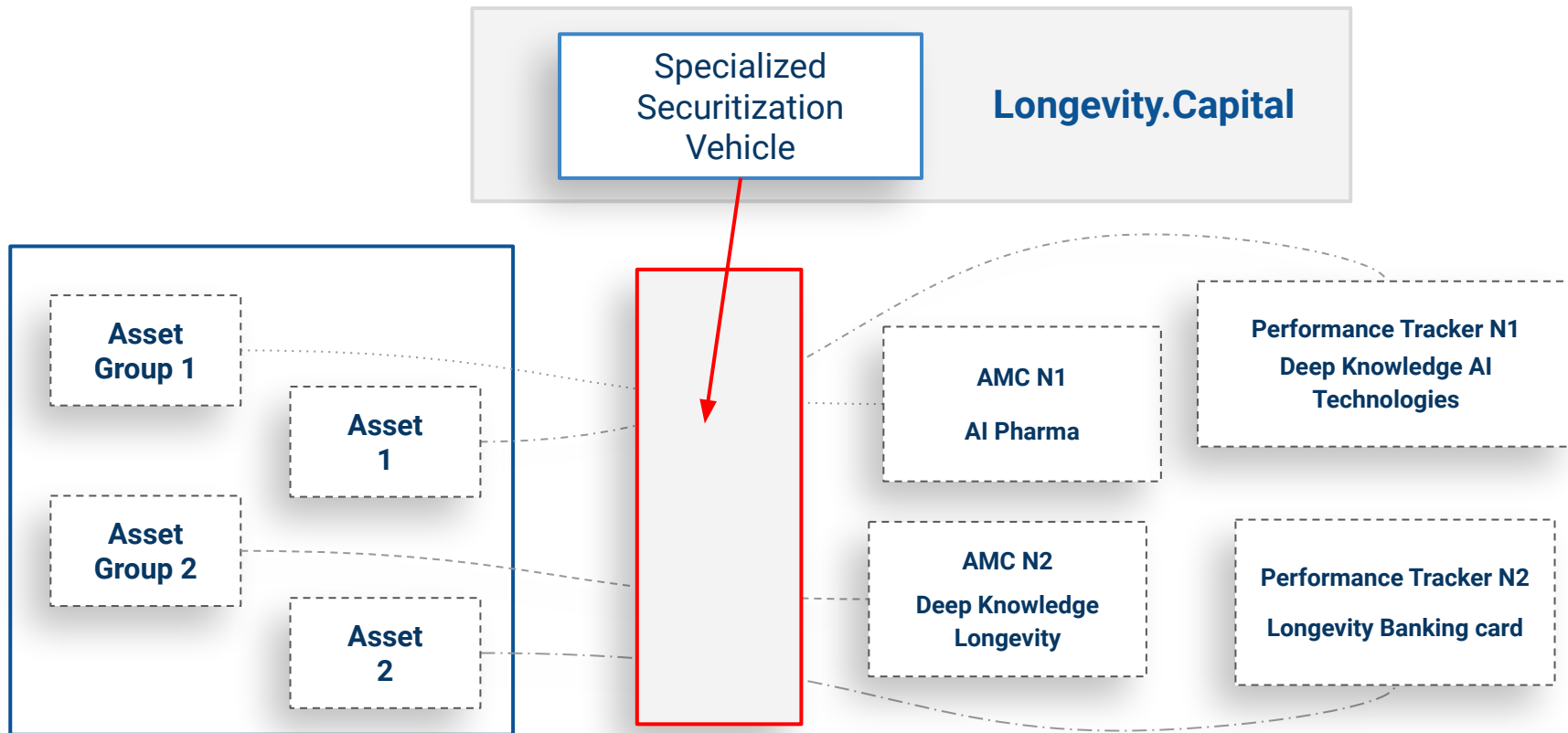
Longevity Exchange Traded Fund (ETF)

Type	Description
Diversified passive equity ETFs	Designed to mirror the performance of widely followed stock market benchmarks such as the S&P 500, the Dow Jones Industrial Average, and the MSCI Europe Australasia Far East (EAFE) indexes.
Niche passive equity ETFs	Reflect subsets of the S&P 500 sectors or small Russell 2,000 companies. Provides investor opportunity to refine strategy.
Active equity ETFs	Allow using own judgments when choosing a strategy, rather than tying to a base index. May carry greater risk and higher costs.
Fixed-income ETFs	Focused on bonds rather than stocks. They have relatively low turnover and, as a rule, stable portfolios.

ETF - is a basket of securities that reflect stocks, an index, a commodity, or other assets traded on an exchange as ordinary shares. An ETF can be built to track the price of an individual commodity and a large and diverse collection of securities. ETFs can be structured to track specific investment strategies.

Investing in ETF

- **Less risk** - variety of assets provides portfolio diversification;
- **Less work** - basket of assets is constructed by professional fund managers.



Investment solutions for advanced DeepTech startups with partially illiquid assets, providing them with liquidity similar to traditional commodity assets, making them Tradeable and Bankable.

Rationale for Launch of Longevity Exchange Traded Fund

Cumulative capitalization dynamics of top Longevity Publicly Traded Companies, 2021



300+ Publicly Traded Longevity Companies experienced growth from **\$11.4T** to **\$16.0T** of cumulative capitalization, which represents **41.1% growth** during 2020.

Longevity Companies are currently the **main focus** of venture investors looking for remarkable returns. Not only does aging pose one of the most acute problems of our time, but it also presents one of the most promising opportunities. Financial institutions can either sink or swim when hit by the oncoming Silver Tsunami.

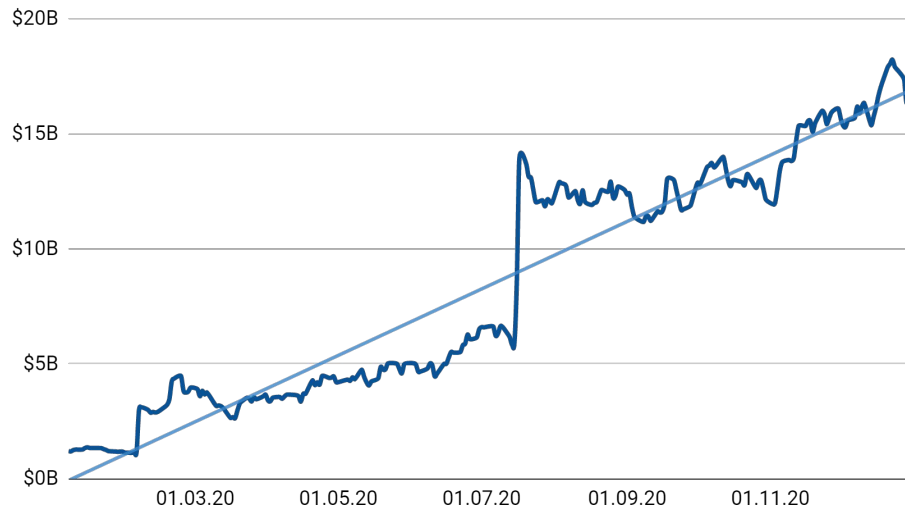
Currently, the growth rate of the longevity market is comparable to that of the IT sector. Longevity is regularly picked as a major topic of interest for panel discussions and entire conference series by top-tier finance and business media brands, including The Economist, Financial Times and Bloomberg.

We plan to launch Longevity Exchange Traded Fund (ETF) to accelerate the further development of companies that contribute to the development of the Longevity Industry.

Longevity ETF will consist of up to **300+** publicly traded companies. We define the Longevity Industry as a combination of aging, advanced preventive precision biomedicine, AgeTech, relevant parts of national healthcare budgets and the global financial industry related to such sub-industries.

Rationale for Launch of AI in Pharma Exchange Traded Fund

Cumulative capitalization of AI in Pharma Publicly Traded Companies in 2020



Despite the crisis, publicly traded companies demonstrated rapid growth, reaching \$16.3B of cumulative capitalization of the industry, approximately thirteen times more than at the beginning of that year.

We see colossal potential for Artificial Intelligence in the Pharmaceutical and BioTech Industries and expect significant industry growth in coming years.

Nowadays, only **13 companies** within this industry are presented in the stock market and had **\$16.3B of market capitalization at the end of 2020**, approximately thirteen times more than at the beginning of the same year.

Accelerating the further development of Artificial Intelligence in the Pharmaceutical Industry, we plan to launch an **ETF** that will reflect the dynamics of **AI in Pharma** in world markets.

The Biotechnology Industry is poised to witness a quantum leap soon, mainly because of the impact of Artificial Intelligence on biomedicine R&D.

Longevity Investment Bank Concept

Plan for launch is Q4 2022

The fundamental purpose set for the Longevity Investment Bank is the creation of a platform to service corporate and institutional investors intending to trade longevity financial assets and instruments.

The Bank will enable involved parties to manage their investments, thereby creating innovative environments with advanced InvestTech solutions.

The novel nature of the Longevity Investment Bank lies, among others, in:

- Sophisticated Longevity investment analytics;
- Bringing the most innovative developments in HealthTech, BioTech and Longevity Industries into the financial scope of emerging investment products and services;
- Providing parties involved with comprehensive data for making investment decisions;
- Long-lasting assistance in investment portfolio management that would be based exclusively on proprietary data.

Who can benefit?

Independent Financial Advisors	Individuals
Private Banks & Wealth Managers	Corporations
Asset Managers	Online Brokers
Challengers Banks	Retail Banks
Pension Funds	Insurance Companies

Longevity Finance Institutions: What Does the Future Hold?

Deep Knowledge Group Longevity Finance Long Term Roadmap



Longevity
Venture
Fund

2017



Structured
Financial
Products

2019



Longevity
Banking
Card

2020



Financial
Advisory
Firm

2021

Exchange
Traded
Fund

End of 2021

Investment
Bank

End of 2022

Next
Generation
Project N1

2024

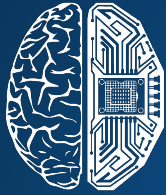
Next
Generation
Project N2

2026

Accomplished

Short-term Plans

Long-term Plans



DEEP
KNOWLEDGE
ANALYTICS

CONTACT US

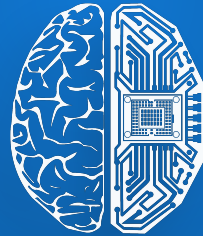
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