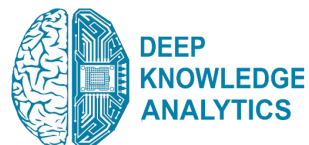


Industry Analytics Advanced Visualisation

Deep Knowledge Analytics
Aging Analytics Agency

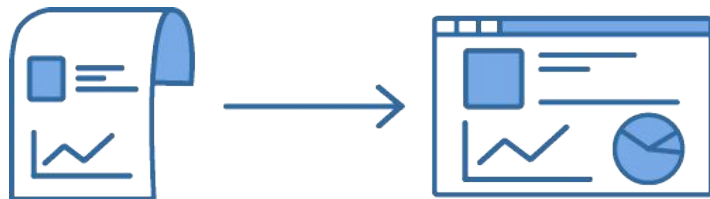
2019



2019

Online Analytics IT-Platform to Enable a Framework for Cross-Industry Stakeholder Synergetic Integration and Industry Optimization

In 2019, the IT-department of Deep Knowledge Analytics releasing an advanced online Analytics Platform and database featuring interactive visuals which can transform static analytical reports on the topics of the AI, AI for Drug Discovery and Longevity industries into dynamic infographics updated in real-time. This platform will enable complex interactions between industry entities and stakeholders to be visualized, filtered, searched and thus more easily understood.



The platform will enable low-cost and high-speed access to bespoke online live reporting on developments in the technology and industrial ecosystems of the AI, Longevity, AI for Drug Discovery sectors, with confidence that the data and analytics are of high accuracy, available 24/7 and up to date.

It aggregates data from multiple external sources and fixes inconsistencies in different datasets so that they can be integrated and used together in a coherent manner.

IT-Platform and Investment Knowledge Nexus

Data is then input into Deep Knowledge Analytics' sophisticated visualization tools so as to automatically generate customized reports for online viewing and download. The platform on the next stage will also use machine learning to enable smart-matching between platform participants, automatically providing network suggestions for different relevant counterparties.

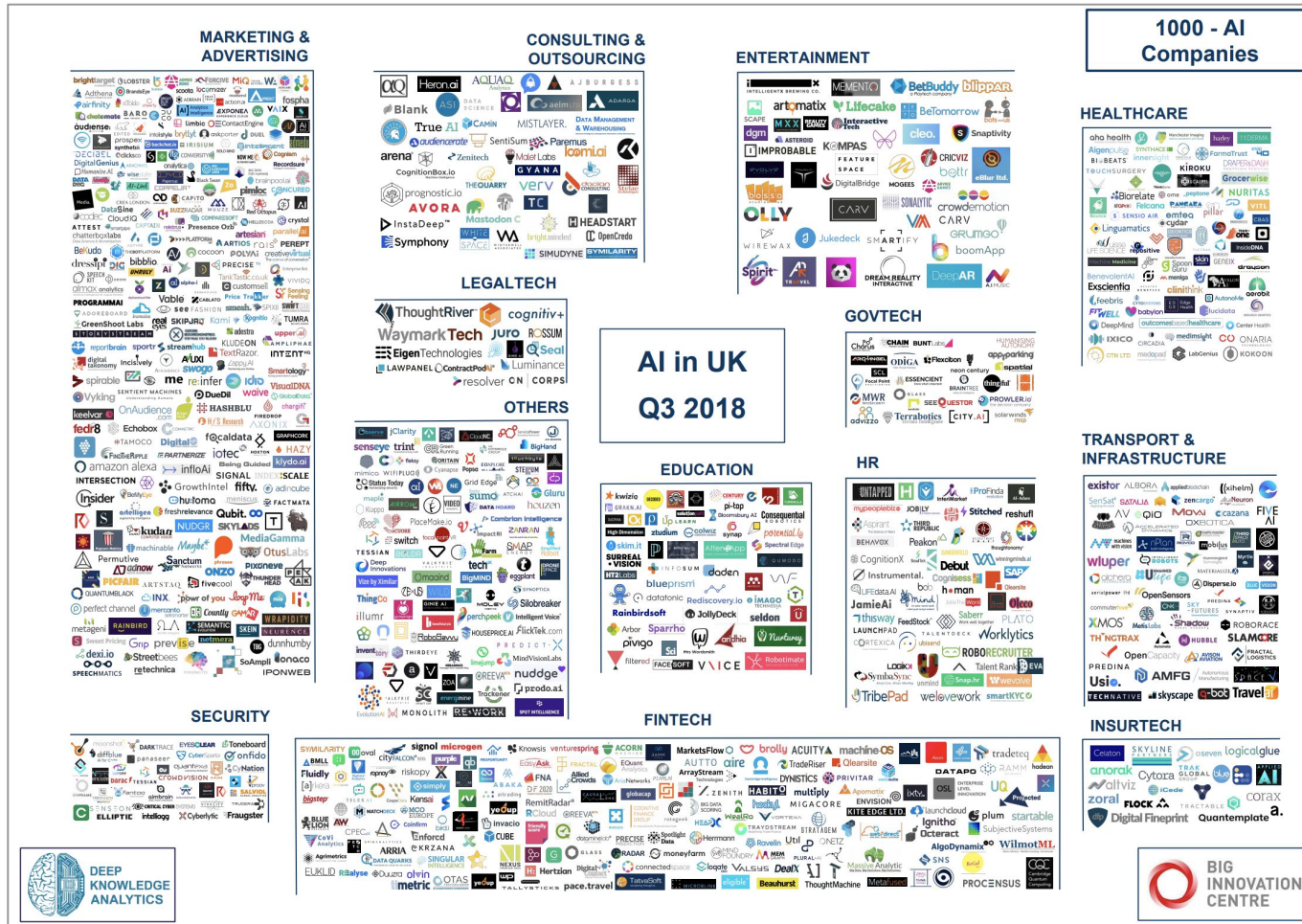
The platform will be open to qualified stakeholders, and will serve as the framework for industry optimization and cross-disciplinary integration and collaboration between companies, investors, entrepreneurs, scientists and government officials. The overarching aim of the platform is to promote the synergistic and integrated development of the AI, IoT, VR, AR, FinTech, GovTech, LegalTech, Digital Medicine, and Longevity Industries to maximize the benefits of all industry stakeholders.

These frontier-technology-driven industries continues to grow in size but remain highly fragmented, with different stakeholders displaying disparate opinions on where it is headed and how long it will take to get there. This platform aims to deliver a framework for proper industry unification, empowering industry participants to make mutually-beneficial connections and answer key questions relevant for their strategic agendas.

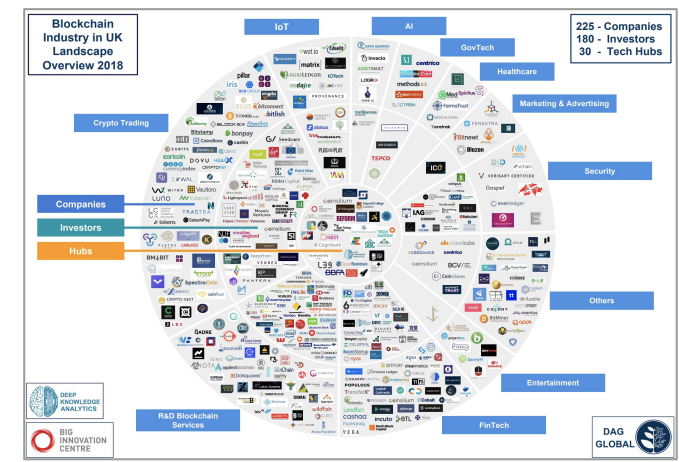
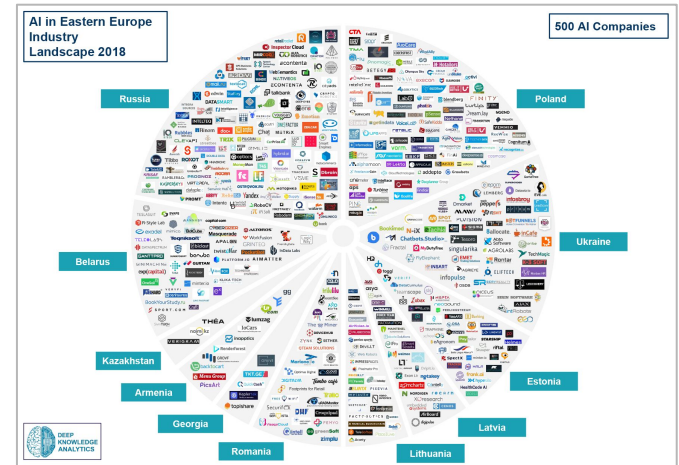
Our Existing Static Visualization of Industry Landscape MindMaps



Our Existing Static Visualization of Industry Landscape MindMaps



1000 - AI Companies



<https://www.dka.global/ai-in-uk-report>

<https://www.dka.global/ai-in-eastern-europe>

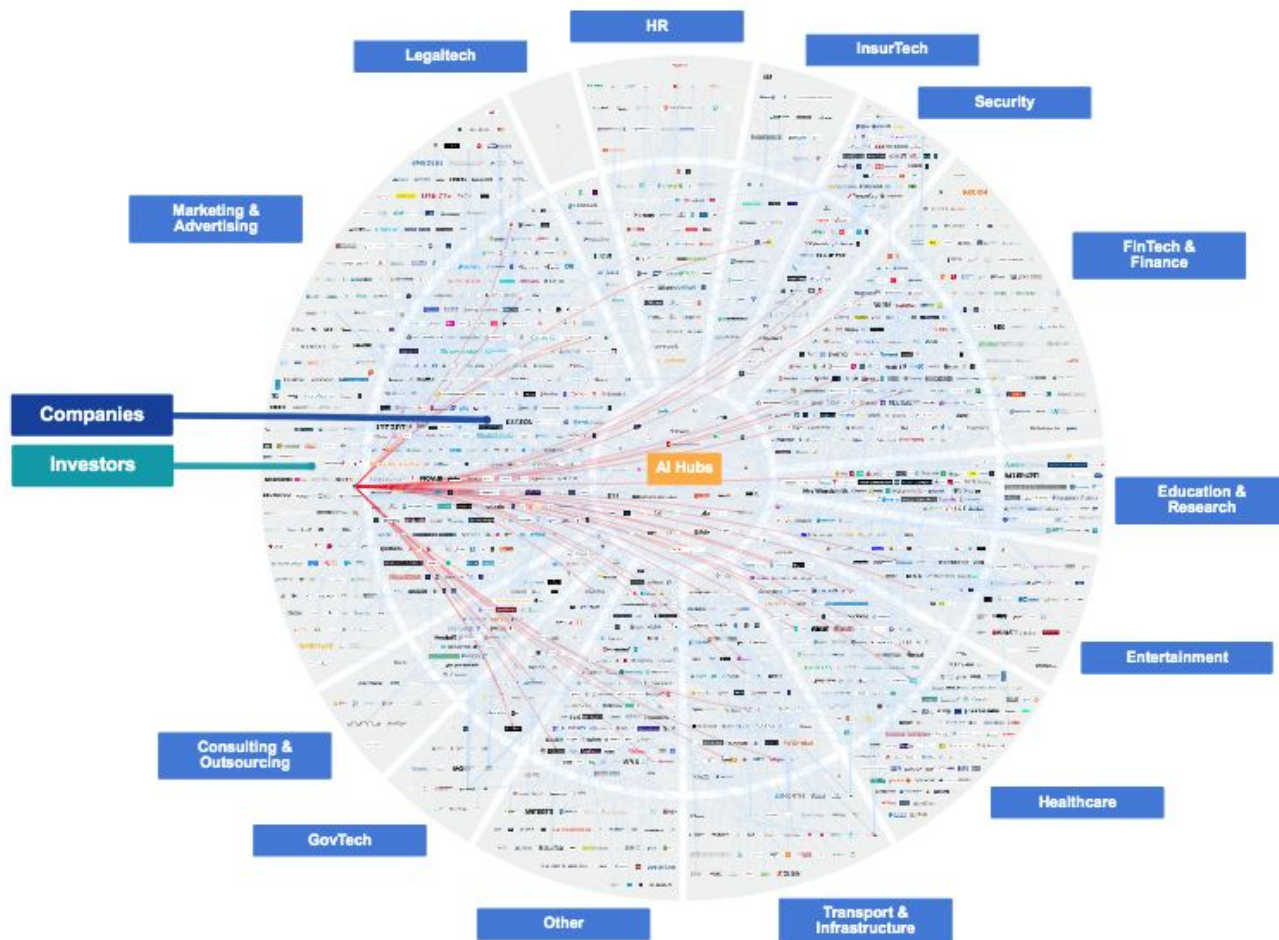
<https://www.dka.global/blockchain-in-uk-2018>



Beta-version of UK AI-Industry Analytics and MindMap

(Dynamic Interactive Mindmap with **1800 active** elements at one display)

UK Artificial Intelligence Industry Landscape



UK Artificial Intelligence Industry Landscape

Detailed Mindmaps

- 1000 Companies
- 600 Investors
- 35 AI Hubs

Lists

- Companies
- Investors
- Other
- All Firms

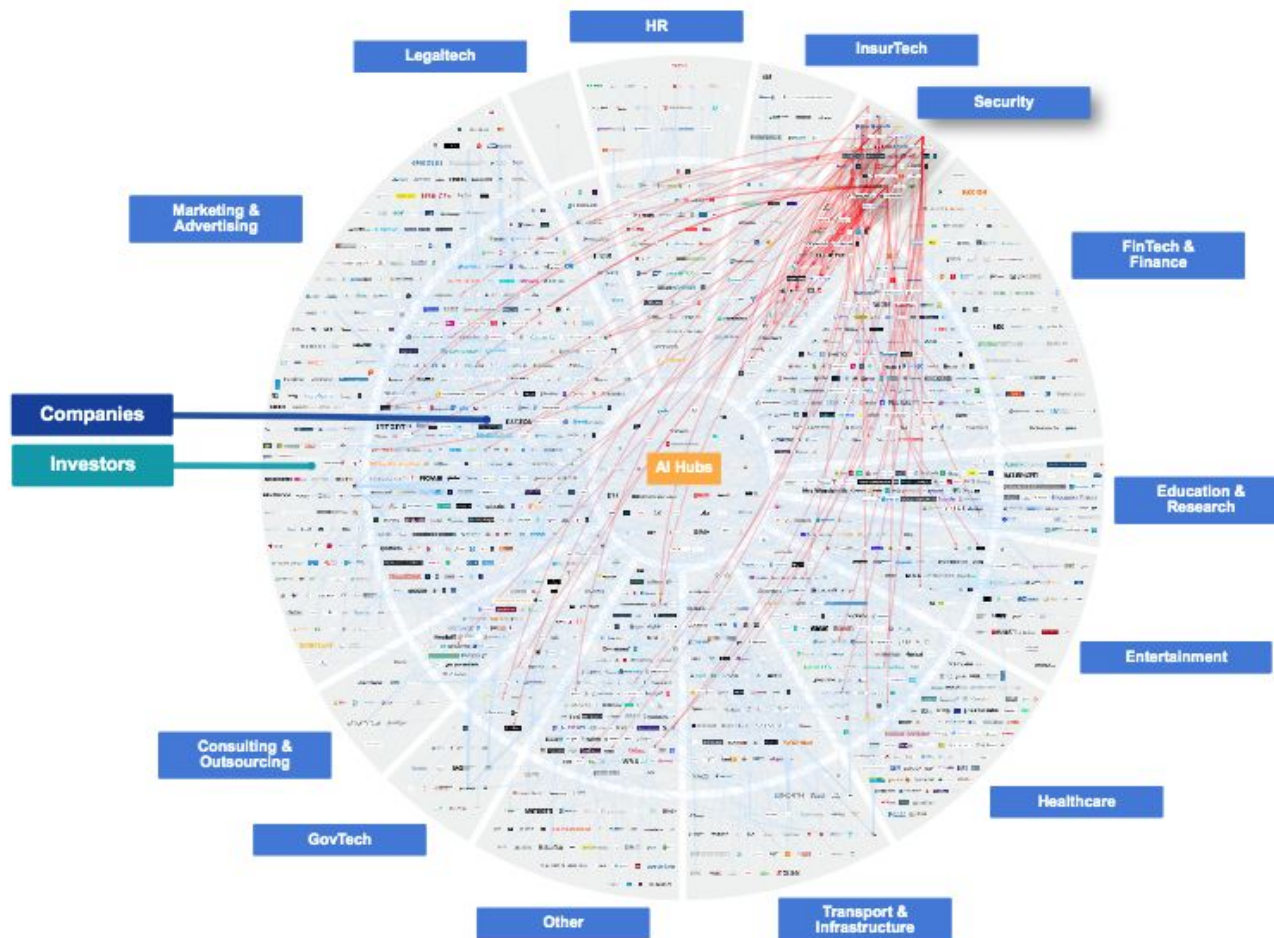
This online interactive IT-system represents a complete Artificial Intelligence Industry in UK Landscape Overview. AI now occupies a major strategic position in the economies and political agendas of most developed nations. We already see AI becoming a standard and fundamental utility in almost every industry, improving the functioning of all digital applications and digitized functions. Increased use of Artificial Intelligence can bring major social and economic benefits to the UK. With the help of AI, computers can analyze and learn from information with greater speed and accuracy. It

UK AI-Industry Analytics and MindMap

(1600 Dynamic Interactions Investors - AI companies)

Quantity of Elements **could be increased up to 3000 elements** for one Mind-Map

UK Artificial Intelligence Industry Landscape



UK Artificial Intelligence Industry Landscape

Detailed Mindmaps

- 1000 Companies
- 600 Investors
- 35 AI Hubs

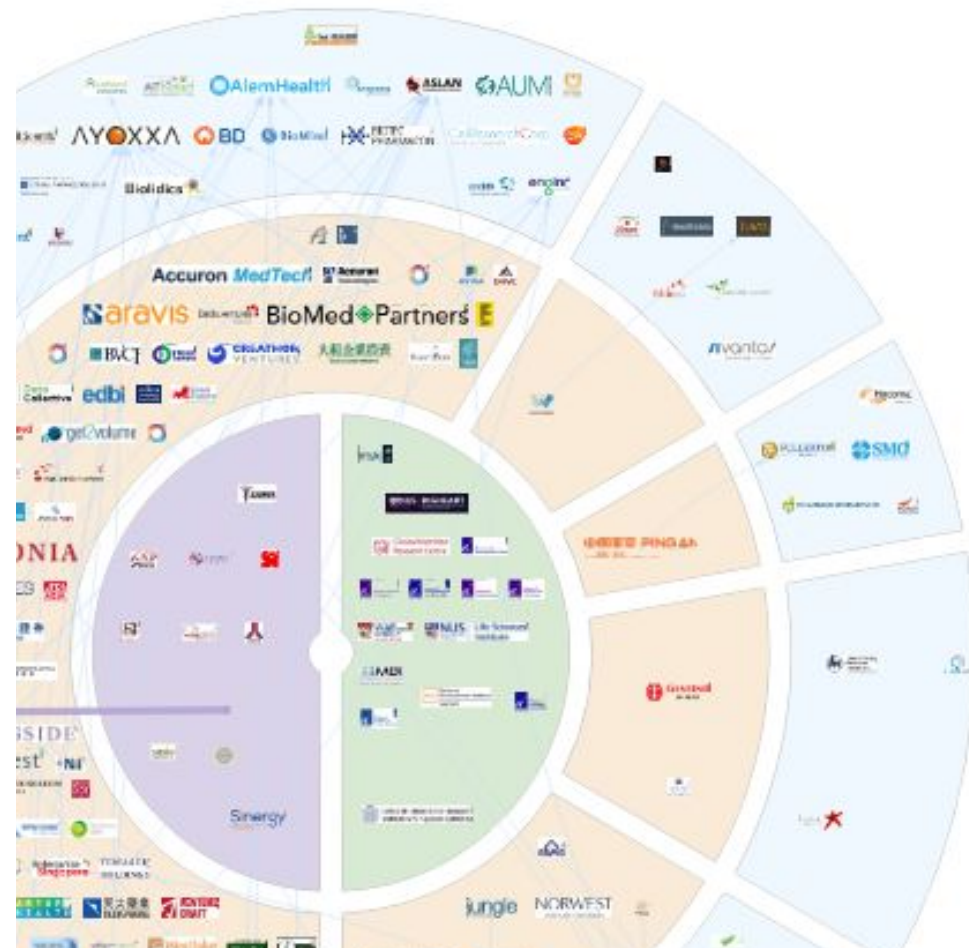
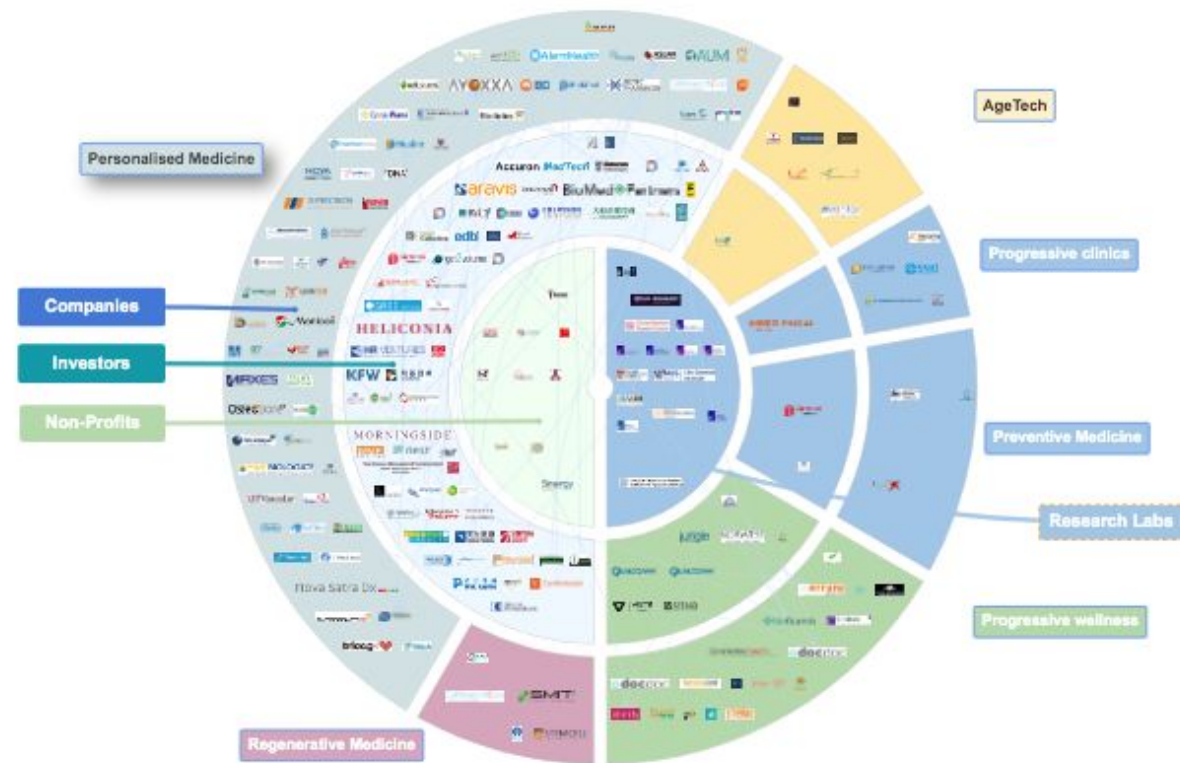
Lists

- Companies
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Multi-Colors Sectors

- Color coding
- Layered Pie Charts
- Grouping



Specific Sectors' Detailed Mindmaps

- Alternative zoom in view to the single sector of the circular mindmap
- Flat Detailed Mindmap

UK Artificial Intelligence Industry Landscape

Detailed Mindmaps

- 100 Companies
- 73 Investors
- 25 Other

Lists

- Companies
- Investors
- Other
- All Firms
- Faces (7)
- Events (1)

Longevity Industry in Singapore Industry Landscape → Investors Sector

← Back to report

Zürcher Kantonalbank

Technology: N/A
Industry: Personalized
Headquarters: Zürich
Founded Date: 1870

Zürcher Kantonalbank - incorporated public-law by the canton of Zurich activity is its public service governs the bank's economic commitment.

Invests into

Merlion Pharma

<https://www.zkb.ch>

socialmedia@zkb

Zürcher

Personalized Medicine

Accuron MedTech, Accuron Technologies, Apax PARTNERS, AVIVA, aravis, Baidu.ventures, BioVeda Capital, BVCF, CREATHOR VENTURES, DARK HORSE, 大和企業投資, Data Collective, edbi, eden Strategy Institute, GREE Ventures, GENTING BERHAD, get2volume, GLOBAL HEALTH INVESTMENT FUND, Great Eastern, JAFCO ASIA, HR VENTURES, HELICONIA, JFDI ASIA, LACUNA CANADA, High-Tech Gründerfonds, KGI SECURITIES, KFW, Medical, MVP CAPITAL, MORNINGSIDE, MR. INVESTORS CAPITAL, NATIONAL RESEARCH FOUNDATION PRIME MINISTER'S OFFICE SINGAPORE, nest, RED DOT, ShinRyoku, TEMASEK HOLDINGS, 天大藥業, TIANDA PHARMA, b to v, SpesNet, Enterprise Singapore, STARTUP + HEALTH, VENTURE CRAFT, WALDEN, wellington, Westlake, Wuxi AppTec, XERAYA CAPITAL, Y Combinator, Zürcher Kantonalbank

Preventive Medicine

GENTING BERHAD

AgeTech

wavemaker

Progressive clinics

中国平安 PING AN

Progressive wellness

ADAMAS FINANCE BANK, jungle ventures, NORWEST VENTURE PARTNERS, QUALCOMM, VECTR VENTURES, ZUellig PHARMA


Embedded Report Data

- Filter List of Companies and Investors
- Faces and Personalities related to the Report
- Upcoming Relevant Conferences and Events

Lists

- Companies
- Investors
- Other
- All Firms

- Faces (75)
- Events (20)

75 Faces of  Longevity Industry in UK Industry Landscape

Faces

Aisling Burnand

Anders Sandberg

Andrew Jack

Andrew Krentz

Andrew Scott

Anne McArdle

Aubrey de Grey

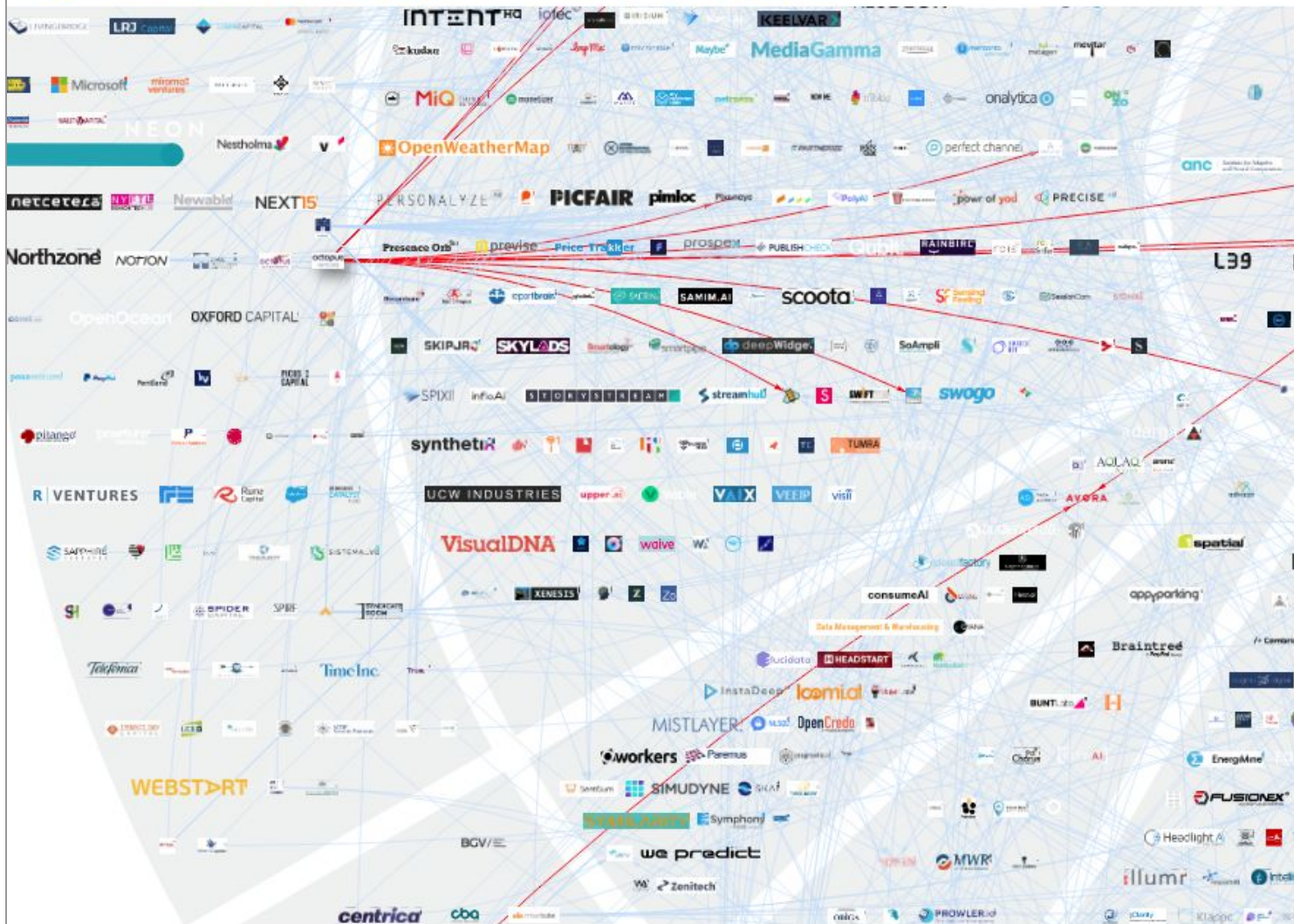
Aubrey de Grey

Dr. de Grey is the biomedical gerontologist who researched the idea for and founded SENS Research Foundation. Dr. de Grey is Editor-in-Chief of Rejuvenation Research, is a Fellow of both the Gerontological Society of America and the American Aging Association, and sits on the editorial and scientific advisory boards of numerous journals and organizations. He has also pioneered new privacy, biosafety, ELSI, environmental and biosecurity policies. He is director of an IARPA BRAIN Project and NIH Center for Excellence in Genomic Science. He has co-authored 425 papers, 95 patent publications and one book (Regenesis). He is known for his view that medical technology may enable human beings alive today to live indefinitely. De Grey's research focuses on whether regenerative medicine can prevent the aging process. He works on the development of what he calls "Strategies for Engineered Negligible Senescence" (SENS), a collection of proposed techniques to rejuvenate the human body and stop aging. To this end, he has identified seven types of molecular and cellular damage caused by essential metabolic processes. SENS is a proposed panel of therapies designed to repair this damage. He is also a member of Flooded advisory board.

Interaction instead of static content

Zoom in, pan, visualize investments, get details on the Report Mindmap

UK Artificial Intelligence Industry Landscape



[← Back to report](#)

Octopus Ventures

octopus
VENTURES

Industry: Marketing & Advertising

Headquarters: London, England, United Kingdom

Founded Date: 2000

Employees Number: 11-50

Funding Status: Undisclosed

Investor Type: Venture Capital

Investment Stage: Early Stage Venture, Seed

Number Of Exits: 27

Octopus Ventures is a London and New York based venture capital firm, focused on backing unusually talented entrepreneurs. Octopus Ventures has been fortunate enough to work with the founding teams of over 60 companies, including Conversocial, graze.com, LoveFiLM, Property Partner, Secret Escapes, Sofar Sounds, SwiftKey, Swoon Editions, Uniplaces, tails.com, Zoopla Property Group and Zynstra.

Invests into

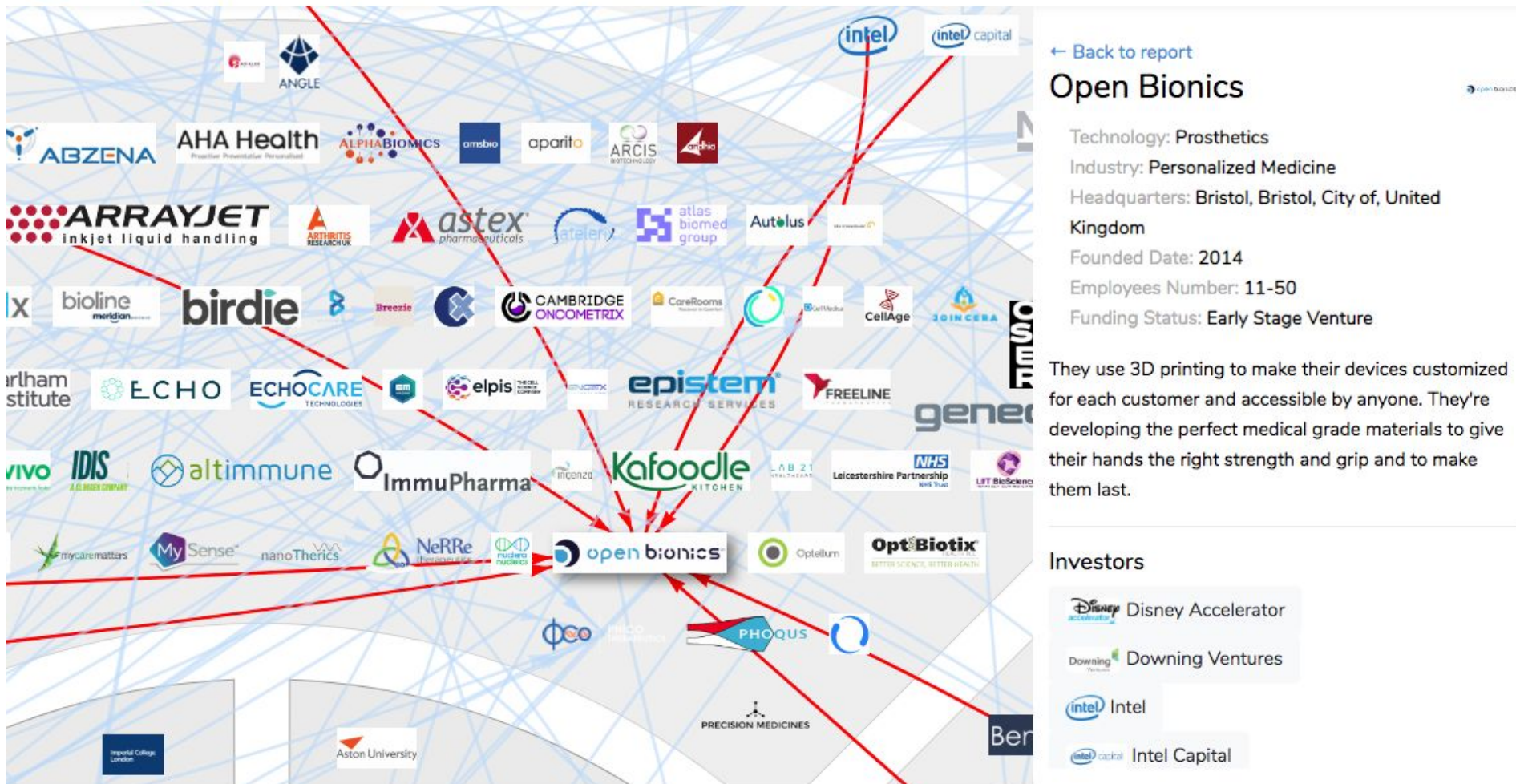
BridgeU BridgeU

Fluidly

Investments as Arrows

- Our team puts efforts to keep facts of investments to be up to date
- Any new investments will be instantly visible on our reports

Longevity Industry in UK Industry Landscape



Companies Profiles View

«Bio3D Technologies»

Company

Bio3D Technologies

Bio3D Technologies have created world's first and Singapore's first true scientific and biological 3D printer with multiple print heads, modular design, nozzle-to-platform auto-alignment, remote viewing and control etc. They are also the first to integrate an anti-vibration levitating platform into a 3D printer. With the introduction of Bio3D Explorer, they made 3D bioprinting even more affordable and accessible. Once again, they created the world's first portable, foldable bioprinter.

Technology: AgeTech
Industry: AgeTech
Headquarters: Singapore, Central Region, Singapore
Funding Status: N/A

<https://www.bio3d.asia/>
sales@bio3d.asia

Progressive clinics

HC SURGICAL SPECIALISTS LTD
Hocoma a DHI brand

AgeTech

bio3D
Cornea BioSciences
SENESCENCE LIFE SCIENCES
Mole

Preventive Medicine

INSTITUTE of MENTAL HEALTH
National Healthcare Group
LAB

Regenerative Medicine

CellResearch
GROUP OF COMPANIES

Automated Mind Maps - Admin Editor

Interactive IT Platform Logout

Dashboard
Interactive Reports
Firms
Logos Upload
Help & Glossary
Open Website Frontend

«Longevity Industry in Singapore» Interactive Report / «Companies» Sector

Flat Map of «Companies» Sector

Public

Progressive clinics



AgeTech



Preventive Medicine



Regenerative Medicine



Personalised Medicine



GlaxoSmithKline 

Technology: **Drug Discovery**
Industry: **Personalized Medicine**
Headquarters: **UK, Singapore**
Funding Status: **N/A**

GlaxoSmithKline had 3 global businesses that research, develop and manufacture innovative pharmaceutical medicines, vaccines and consumer healthcare products. Their goal is to be one of the world's most innovative, best performing and trusted healthcare companies.

<https://www.gsk.com/>
[@GSK](#)



Reports are not about companies only

Interactive IT Platform Logout


20 Events of — «Longevity Inc. x +

← → ↻ 🏠 🔒 <https://mindmaps.aginganalytics.com/reports/11/events> ☆ Incognito 🗄

20 Events of Longevity Industry in UK Industry Landscape

[Edit](#)

The Economist Ageing Societies 2016



AGEING SOCIETIES
Reaping the longevity dividend
November 29th-30th 2016
St. Pancras Renaissance Hotel London

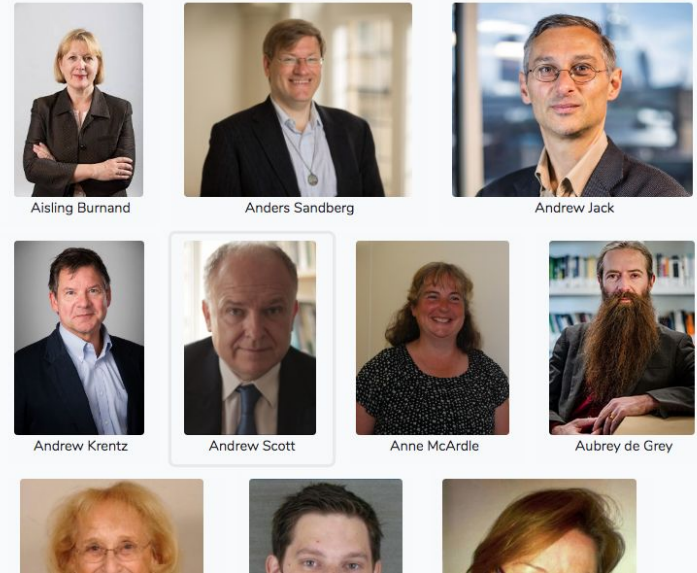
Tue, Nov 29, 2016 8:00 AM — Wed, Nov 30, 2016 5:00 PM
<http://events.economist.com>

Key figures across politics and finance from government, industry, academia, and the public sector will discuss the challenges and opportunities of ageing populations. The event's Ageing Societies 2016 will feature speakers from the World Health Organisation, the World Bank, Blackrock, Pensions Institute, and others. The event will discuss the implications of ageing populations for future generations.

75 Faces of Longevity Industry in UK Industry Landscape

75 Faces of Longevity Industry in UK Industry Landscape

Faces

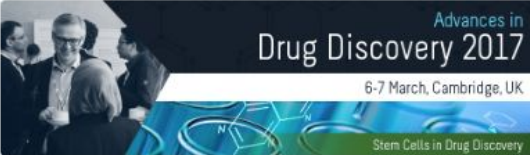


Andrew Scott

Andrew Scott is Professor of Economics at London Business School and a Fellow of All Souls, Oxford University and the Centre for Economic Policy Research. He has previously held posts at Harvard University, London School of Economics and Oxford University. His research and advisory work focuses on the short and long run forces that affect governments and business. He has been an advisor to HM Treasury, Bank of England, the House of Commons, a Non Executive Director at the Financial Services Authority and Economic Advisor to the Prime Minister of Mauritius. He has published widely in leading international academic journals and was Managing Editor of the Royal Economic Society's The Economic Journal and Scientific Chair of the Euro Area Business Cycle Network. He has received prizes and research grants for his published work and is a sought after public speaker on future trends. He has won the General Teaching Excellence prize at London Business School and is a co-author of a textbook, Macroeconomics: Understanding the Global Economy, which has been translated into four languages and soon will appear in its Fourth Edition.

Country: UK
<https://www.andrewscott.global/>
ascott@london.edu

Stem Cells in Drug Discovery



Drug Discovery 2017
Advances in
6-7 March, Cambridge, UK
Stem Cells in Drug Discovery

Mon, Mar 6, 2017 8:00 AM — Tue, Mar 7, 2017 5:00 PM
[website](#)

This meeting was part of the Campus Conference on 6-7 March 2017. It provides unrestricted access to the latest developments in stem cell research; the ability to grow and differentiate stem cell lines is providing a far more relevant model for pre-clinical testing. So much so that the FDA is looking into replacing previous models as a matter of urgency.

Permissions for Representatives



- Delegation of maintenance to the authorised editors
- A representative of an company can request an ownership for an object or personality
- Allows to maintain single or multiple profiles of companies or entities represented on IT-platform and mindmap

Interactive IT-Platform Logout

[Firms Management](#)

[Faces Management](#)

Firms List you maintain

Name	Type	Industry	Technology	HQ	ID#	
Accuron MedTech	Investor	Personalized Medicine	Devices	Singapore, Central Region, Singapore	101	Edit 
Accuron Technologies	Investor	Personalized Medicine	Drug development	Singapore, Central Region, Singapore	102	Edit 

Automated Mindmaps Generation

An analyst inputs just specifies looks and colors.
The rest is done by our engine.

Longevity Industry in Singapore Industry Landscape



Longevity Industry in Singapore Industry Landscape

Detailed Mindmaps

- 100 Companies
- 73 Investors
- 25 Other

Lists

- Companies
- Investors
- Other
- All Firms

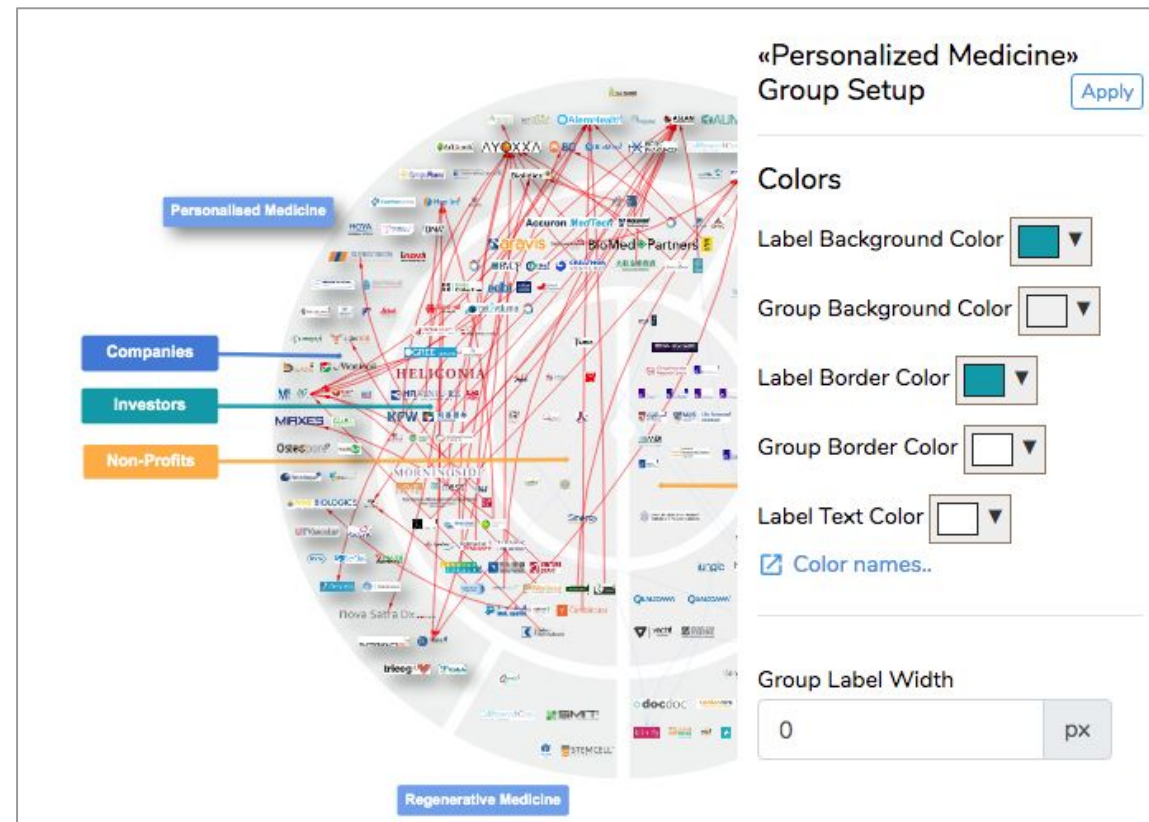
This online interactive IT-system represents a complete Longevity Industry in Singapore Landscape Overview. Given that the Longevity Industry continues to grow in size but remains highly fragmented, this platform aims to deliver a framework for tangible and pragmatic industry unification. It consists of a vast industry database and includes different entities functioning in Longevity Industry, such as various companies, non-profit organizations, research labs, investors, etc. These entities are further subdivided into distinct industry

Backend for Analysts, Automated Mindmaps Generation

Analyst can see statistics and technical hints, which allows easier to decide on the visual distribution of data for a mindmap report.

An analyst inputs just specifies looks and colors.
The rest is done by our engine.

ID#	Sector Name	Order	
3	Other	1 center	Has 25 Firms in 2 Groups: Non-Profits — 10 — 40% or 144° Research Labs — 15 — 60% or 216°
2	Investors	2	Has 73 Firms in 5 Groups: Personalized Medicine — 61 — 84% or 301° AgeTech — 1 — 1.4% or 5° Progressive clinics — 1 — 1.4% or 5° Preventive Medicine — 2 — 2.7% or 10° Progressive wellness — 8 — 11% or 39°
1	Companies	3	Has 100 Firms in 6 Groups: Regenerative Medicine — 5 — 5% or 18° Personalised Medicine — 62 — 62% or 223° AgeTech — 7 — 7% or 25° Progressive clinics — 5 — 5% or 18° Preventive Medicine — 3 — 3% or 11° Progressive wellness — 18 — 18% or 65°



Semi-Automated Solution for Admins - Backend DataBase

The screenshot displays a web application interface for an 'Interactive IT Platform'. The main content area is titled '«Companies» Sector' and shows a table of groups. The table has columns for '#', 'Group Name', and 'Order'. Each row includes a group name, its order, and a count of firms associated with it, along with an 'Edit' button. The groups listed are AgeTech, Personalised Medicine, Preventive Medicine, Progressive clinics, Progressive wellness, and Regenerative Medicine. The interface also includes a sidebar with navigation options like Dashboard, Reports, Firms, and Logos Upload, and buttons for 'Flat Map', 'Edit Sector', 'See Groups', and 'Add New Group'.

Interactive IT Platform Logout

«Longevity Industry in Singapore» Krug / «Companies» Sector

«Companies» Sector

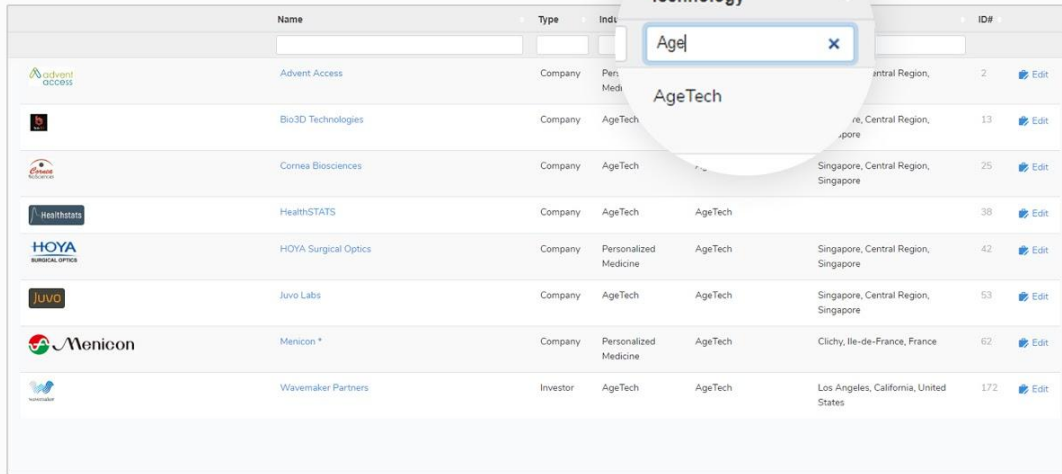
[Flat Map](#) [Edit Sector](#)

#	Group Name	Order	Firms	Edit
3	AgeTech	0	Firms (7)	Edit
8	Personalised Medicine	0	Firms (62)	Edit
5	Preventive Medicine	0	Firms (3)	Edit
4	Progressive clinics	0	Firms (5)	Edit
6	Progressive wellness	0	Firms (18)	Edit
7	Regenerative Medicine	0	Firms (5)	Edit

[See Groups](#) [Add New Group](#)

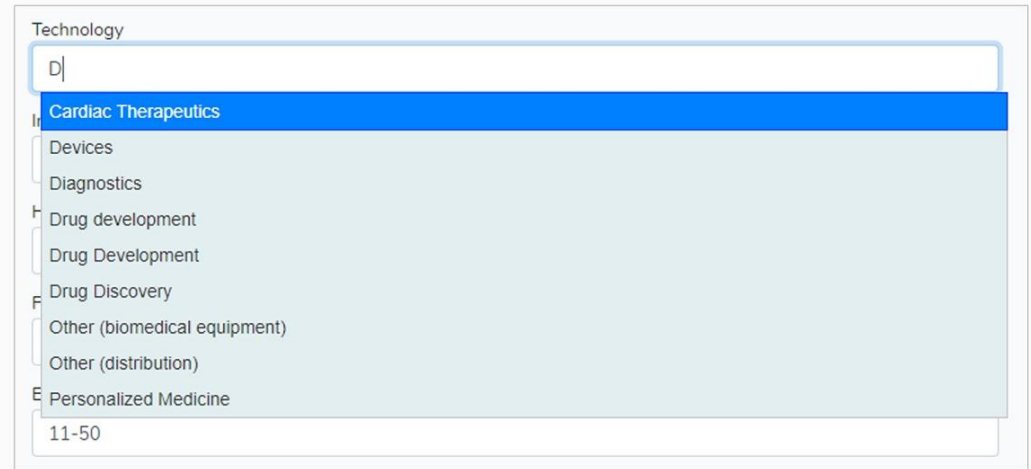
Backend to Increase Analysts Efficiency

Quick Searches



Name	Type	Indu	ID#
Advent Access	Company	Per Med	Central Region, 2
Bio3D Technologies	Company	AgeTech	re, Central Region, 13
Cornea Biosciences	Company	AgeTech	Singapore, Central Region, 25
HealthSTATS	Company	AgeTech	AgeTech 38
HOYA Surgical Optics	Company	Personalized Medicine	AgeTech Singapore, Central Region, 42
Juvo Labs	Company	AgeTech	AgeTech Singapore, Central Region, 53
Menicon *	Company	Personalized Medicine	AgeTech Clichy, Ile-de-France, France, 62
Wavemaker Partners	Investor	AgeTech	AgeTech Los Angeles, California, United States, 172

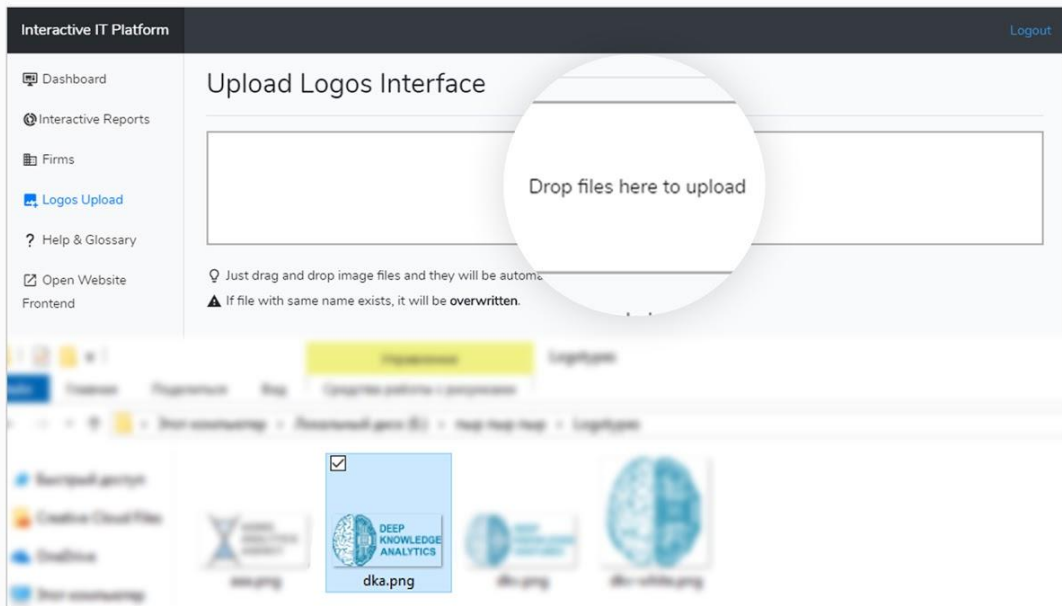
Autocompletes



Technology

- D
- Cardiac Therapeutics
- Devices
- Diagnostics
- Drug development
- Drug Development
- Drug Discovery
- Other (biomedical equipment)
- Other (distribution)
- Personalized Medicine
- 11-50

Drag and Drop interfaces



Interactive IT Platform [Logout](#)

- Dashboard
- Interactive Reports
- Firms
- Logos Upload
- Help & Glossary
- Open Website Frontend

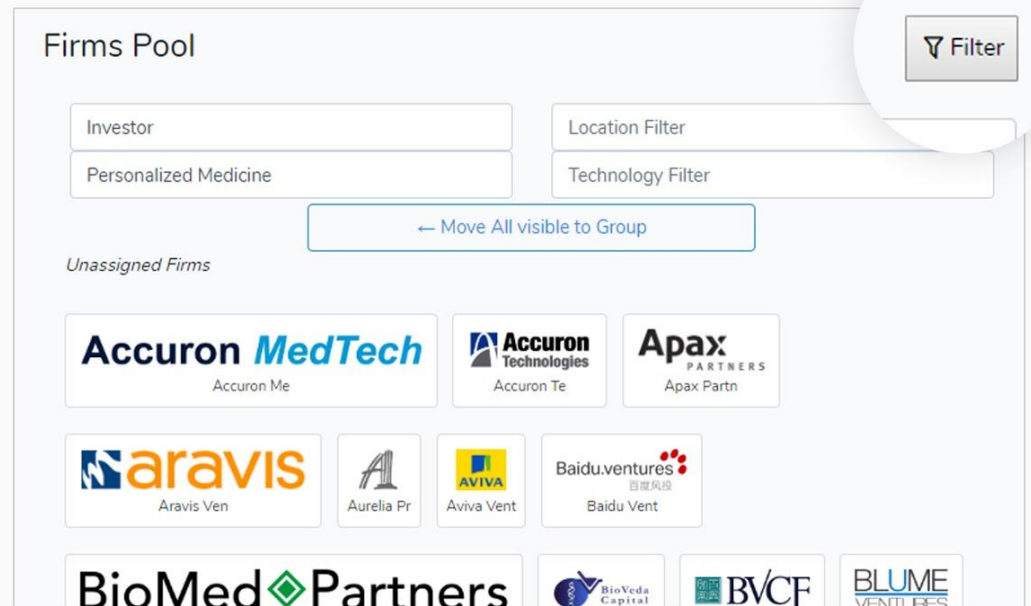
Upload Logos Interface

Drop files here to upload

Just drag and drop image files and they will be automatically uploaded.
If file with same name exists, it will be overwritten.

Logos: dka.png

Filtering & Sorting



Firms Pool [Filter](#)

Investor: Personalized Medicine

Location Filter

Technology Filter

← Move All visible to Group

Unassigned Firms

- Accuron MedTech (Accuron Me)
- Accuron Technologies (Accuron Te)
- Apax PARTNERS (Apax Partn)
- aravis (Aravis Ven)
- Aurelia Pr
- AVIVA (Aviva Vent)
- Baidu.ventures (Baidu Vent)
- BioMedPartners
- BioVeda Capital
- BVCF
- BLUME VENTURES

PLATFORM: Interactive Ecosystem Data Map

Inputs and Outputs (on the end of beta version)

INPUT DATA

Government-run databases
(Open source public data)

Data from official websites
(Companies and conference websites scraping)

Open platforms like LinkedIn and Paid data providers
(Professional data subscription services)

News feeds

User-generated information
onboarded from users, or direct machine data

Innovation Ecosystem Data Map

Analytics

(with AI enabled processes) **mapping the innovation ecosystem at the most micro level possible:**

- industry and supplier systems,
- investment and entrepreneurship systems,
- technology systems (focus on difficult to measure future tech as AI, Blockchain, augmented reality, bio-tech etc.)
- innovation talent and 'influencers' systems.
- global systems.

OUTPUT SERVICES

Diagnostic tools capable of:

- (i) **Automated answers in real time to bespoke user-requests** (from Business, Investor, Not for profit / social enterprise).

Results are generated via

- **Infographics** (user-friendly figures, tables, text) ONLINE
- **Automated Report** generation for DOWNLOAD

- (ii) **GovTech policy analytics**
As (i) above, but diagnostic tools are designed for government requests to map regional innovation ecosystems.

Smart Matching:

- **Tech supplier – User matching** (Business, Government, Not for profit / social enterprise)
- **Investor – Entrepreneur matching** (supporting *crowd investment* and *Company & Investors rating/due-diligence*)

Innovation Ecosystem Mapping & Smart Matching

High-speed; Real-time; High Accuracy

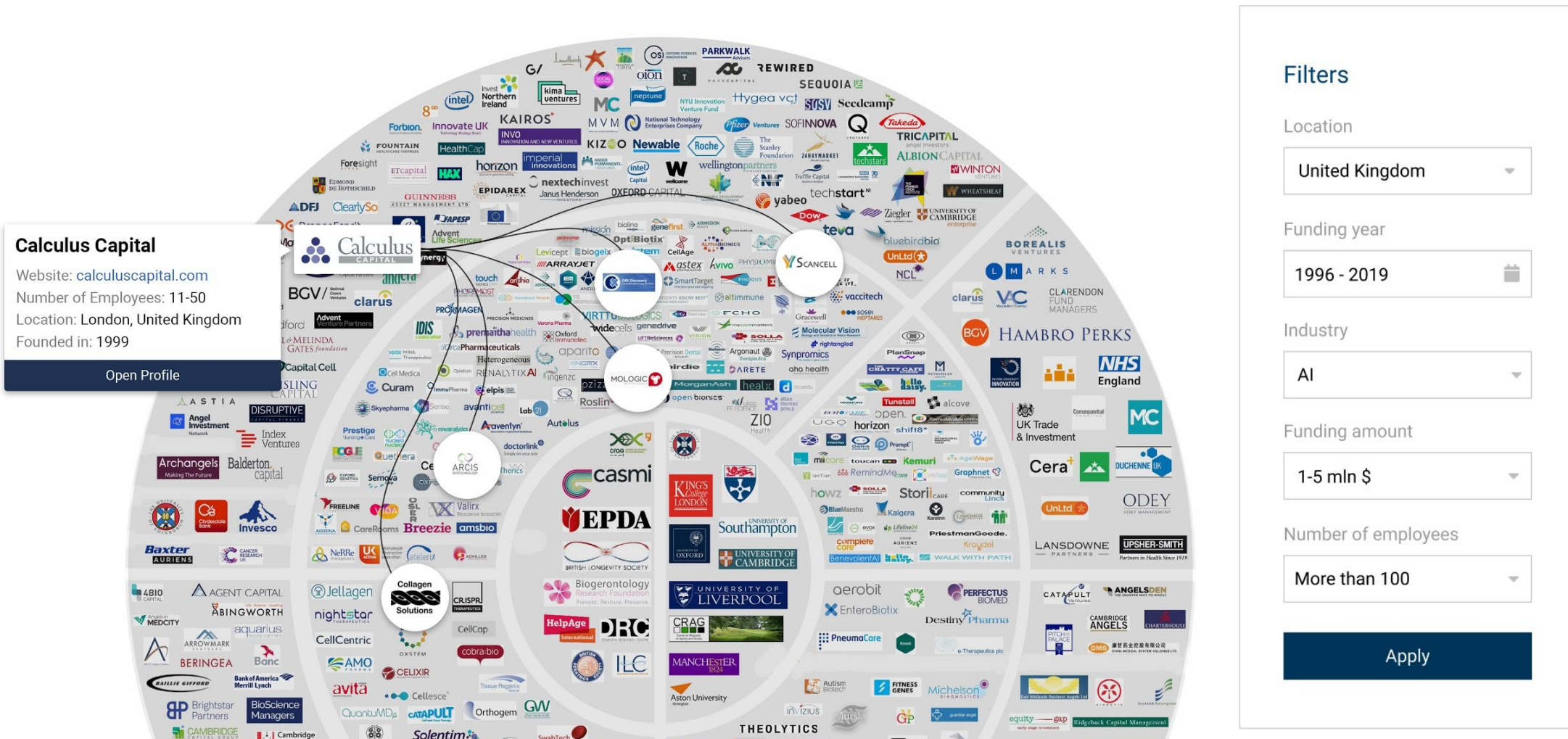
- Up-to-date dynamic database
- Multiple data sources
- Live reporting on technology
- Sophisticated infographics
- Advanced visualization
- Automatic report generation
- Interactive networking
- User-friendly interface



Online Data Analytics Platform Development Q3-Q4 2019

Smart Matching & Syndication of Investment Rounds

- Automatically connects and provides network suggestions
- Smart-matching between relevant entities and stakeholders
- Supply-chain structuring and optimization
- Accelerates the adoption and deployment of new technological solutions



Summary and Goals

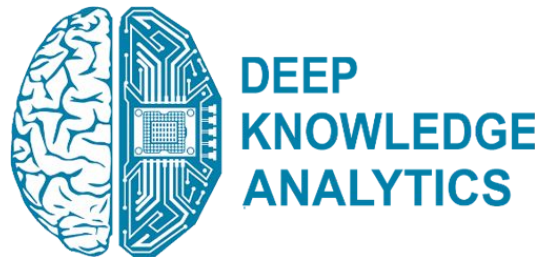
The goal is to analyze and visualize industries dominated by DeepTech and deep science, which includes:

AI, FinTech, LegalTech, GovTech, VR/AR, IoT, Digital Medicine, Longevity.

- Integration of AI and Big Data analytics tools
- Automated data analytics and visualization
- Reports-on-demand generation capabilities
- Smart-matching system
- Support decision making tools
- Tools for building, structuring and optimization of innovation ecosystems

IT-Department

Deep Knowledge Analytics



www.dka.global

info@www.dka.global