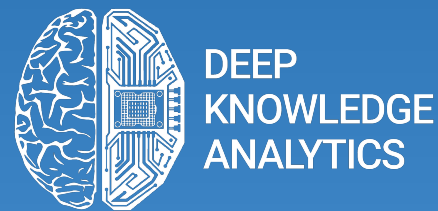# Longevity Governance Dashboards
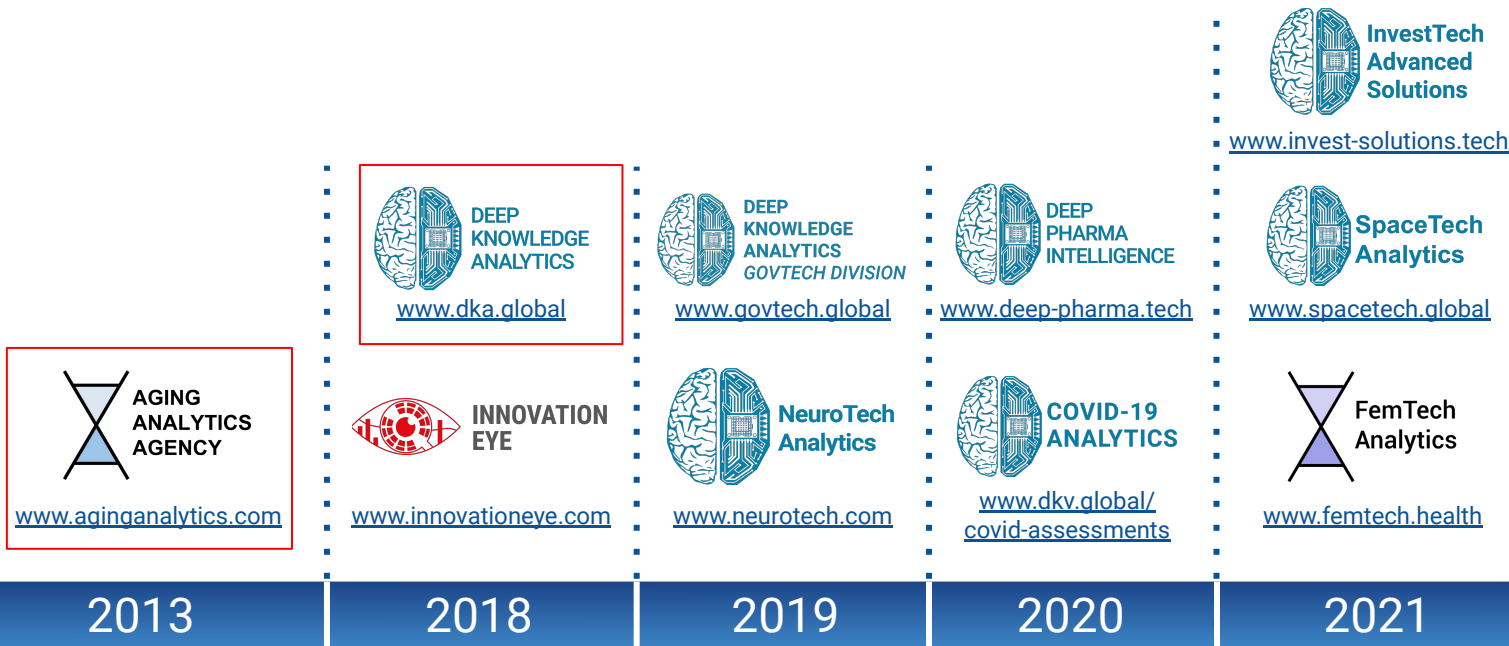
Deep Knowledge Analytics and
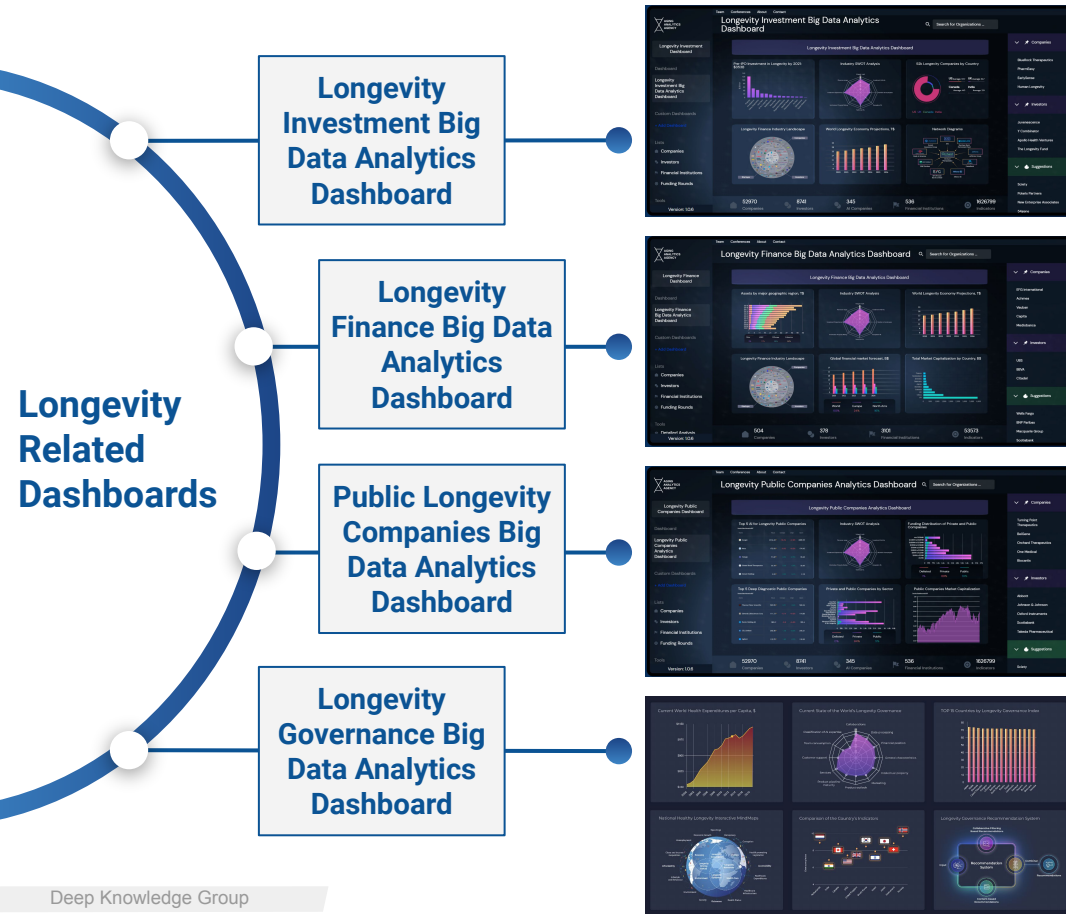Aging Analytics Agency

Teaser

DeepTech-related Analytical Subsidiaries of Deep Knowledge Group

Deep Knowledge Group's analytical subsidiaries produce advanced analytics on DeepTech and frontier-technology industries using sophisticated frameworks and algorithmic methods that combine hundreds of specifically-weighted metrics and parameters to deliver insightful market intelligence, pragmatic forecasting and tangible benchmarking.

InvestTech Advanced Solutions
www.invest-solutions.tech

The extensive expertise in DeepTech sectors allowed us to create AI-Driven Big Data Analytics System and Dashboards

DEEP KNOWLEDGE ANALYTICS
www.dka.global

DEEP KNOWLEDGE ANALYTICS GOVTECH DIVISION
www.govtech.global

DEEP PHARMA INTELLIGENCE
www.deep-pharma.tech

SpaceTech Analytics
www.spacetech.global

AGING ANALYTICS AGENCY
www.aginganalytics.com

INNOVATION EYE
www.innovationeye.com

NeuroTech Analytics
www.neurotech.com

COVID-19 ANALYTICS
www.dkv.global/covid-assessments

FemTech Analytics
www.femtech.health

| 2013 | 2018 | 2019 | 2020 | 2021 |

Pipeline of Longevity-focused Big Data Analytics Systems and Dashboards

Longevity Related Dashboards

- Longevity Investment Big Data Analytics Dashboard
- Longevity Finance Big Data Analytics Dashboard
- Public Longevity Companies Big Data Analytics Dashboard
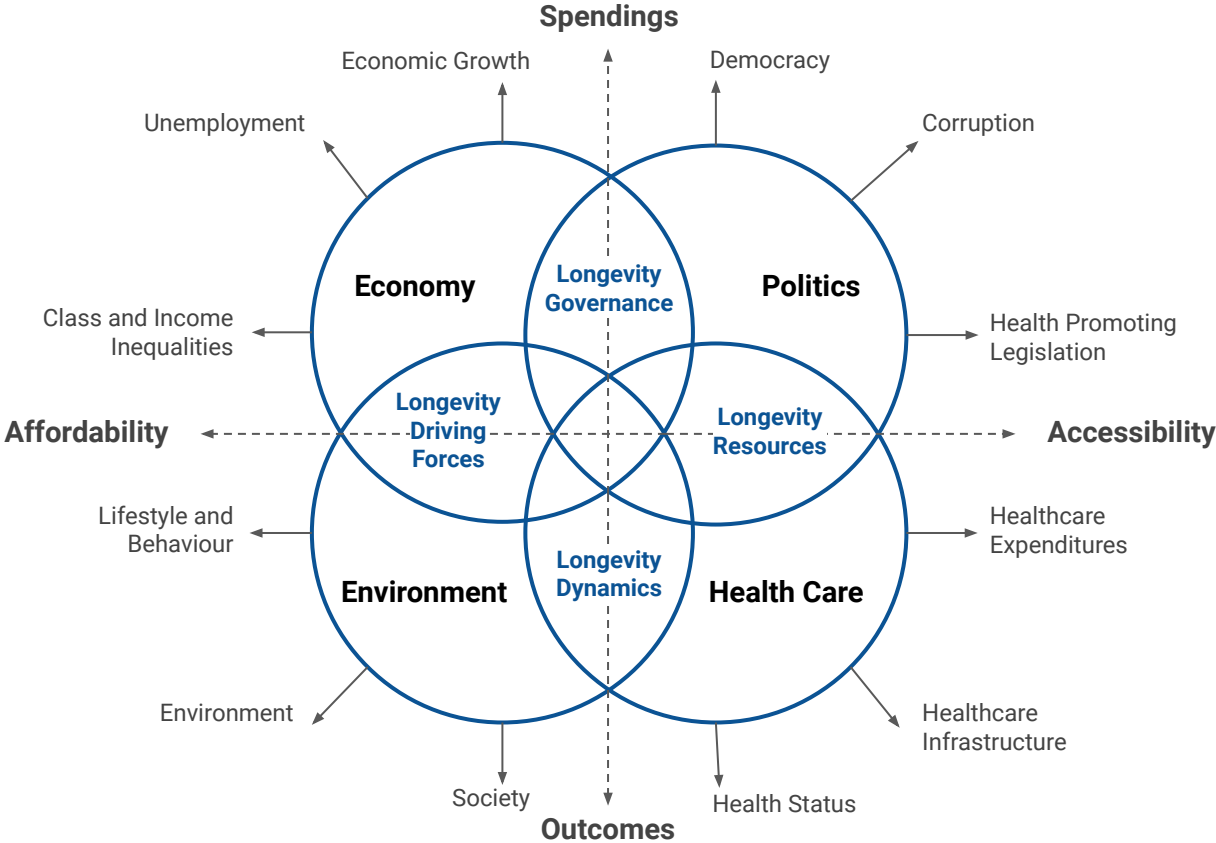- Longevity Governance Big Data Analytics Dashboard

Deep Knowledge Group has developed a set of analytical dashboards dedicated to various aspects of the Longevity Industry.

Big Data Analytics Systems and Dashboards aim to deliver the in-depth coverage of the broad and complex Longevity Industry and serve as the handful tools to resolve analytics-related goals.

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Components of National Healthy Longevity Strategies

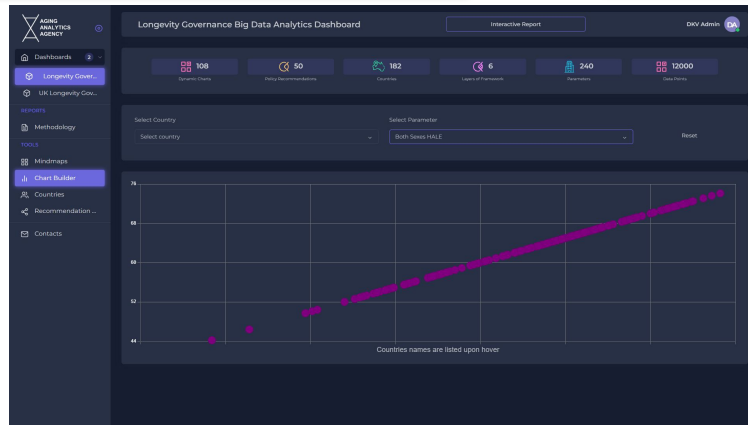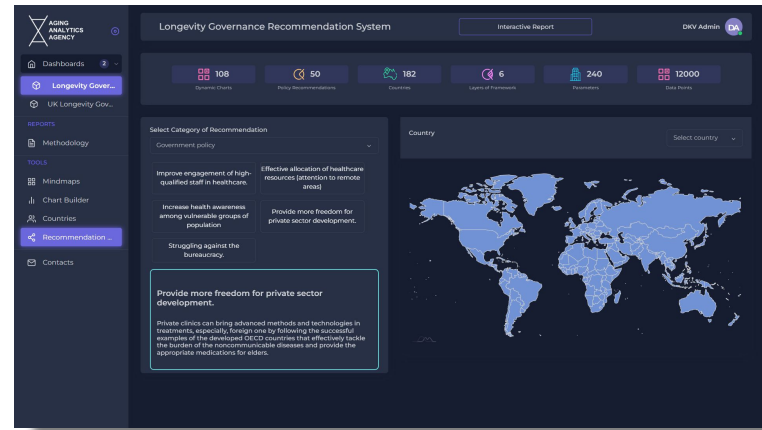# Longevity Governance Big Data Analytics System and Dashboard

Longevity Governance Big Data Analytics System and Dashboard is designed to support, monitor, analyse, benchmark and forecast governmental decision making and population health optimization, and to compare best practices in Longevity Governance and the most progressive national healthcare systems.

The Dashboard reveals key insights on e-governance solutions and synergies with Longevity Industrialization, AI in Healthcare, Preventive Medicine and other tech-driven drivers and enablers of technocratic national healthcare policy modernization.

www.deep-innovation.tech

Dashboard User Interface

www.deep-innovation.tech

Key Parameters of Longevity Governance Big Data Analytics System and Dashboard

180+
Countries Covered

240
Parameters

6
Groups of Recommendations

Longevity Governance Big Data Analytics System and Dashboard

20
Indicators Groups

100,000+
Data Points

110
Policy Recommendations

Focus Areas of Longevity Governance Big Data Analytics System and Dashboard

Longevity Governance Big Data Analytics System and Dashboard serves as end-to-end analytical solution designed to provide dynamic data about main indicators related to longevity across regions worldwide.

Progress Measurement in National Longevity Initiatives

Practical Recommendation on National Longevity Policies

State of Healthy Longevity across Regions

Critical Factors Impacting Mortality and Disability

Identification of Unmet Needs of Human Longevity across Regions

www.deep-innovation.tech
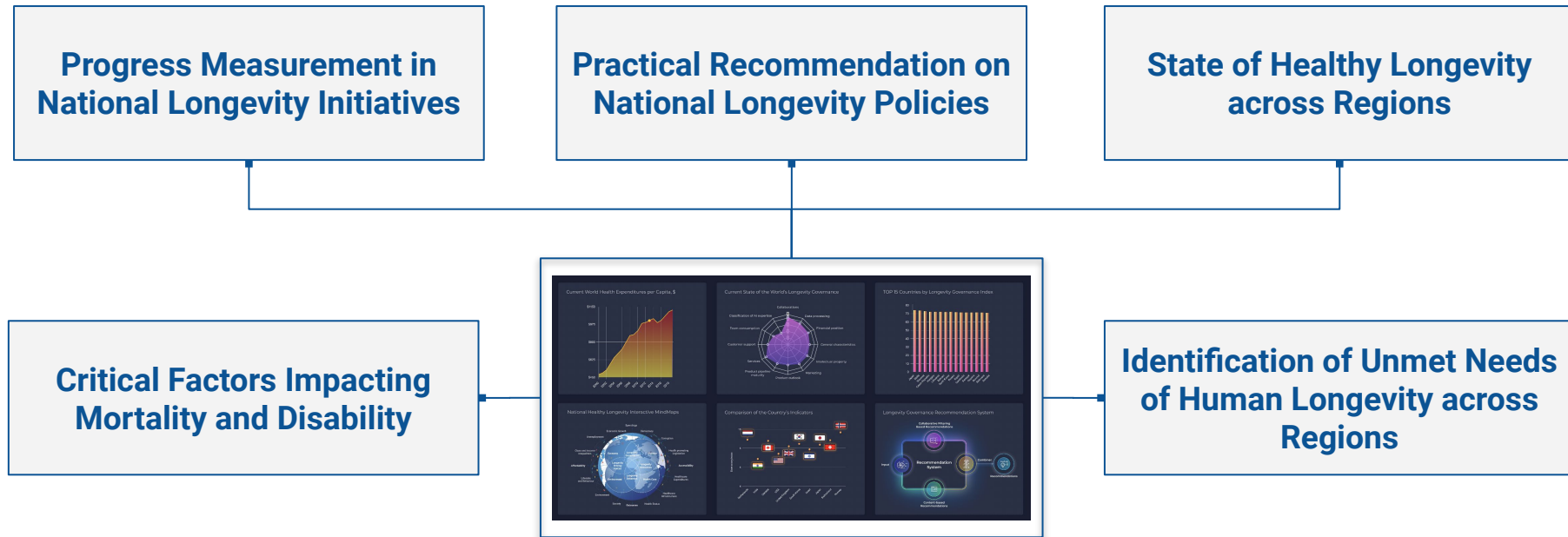
Longevity Governance in the UK Big Data Analytics System and Dashboard

The separate section of the Longevity Governance Big Data Analytics System and Dashboard is dedicated to the United Kingdom as the country being among global leaders in terms of the progress achieved in longevity governance.

Recommendation System for the UK

Data Relating to Longevity Governance in the UK

Comparisons with Other States

Interactive Chart Builder

Ranking of Regions

Progressiveness Ranking

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Features of the Longevity Governance Dashboards

Key Tools of Longevity Governance Big Data Analytics System and Dashboard

Interactive Mindmaps

Comparison of Longevity Governance Regions

Interactive Chart Builder

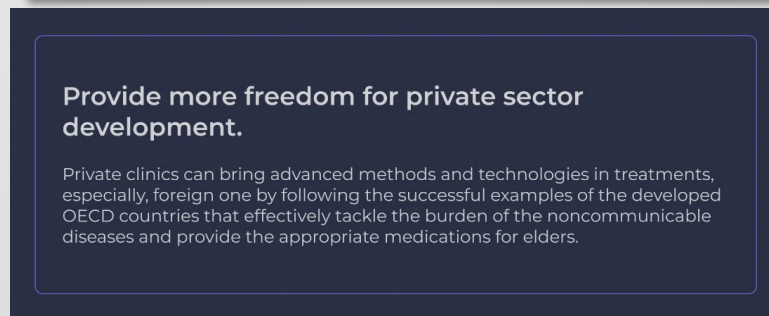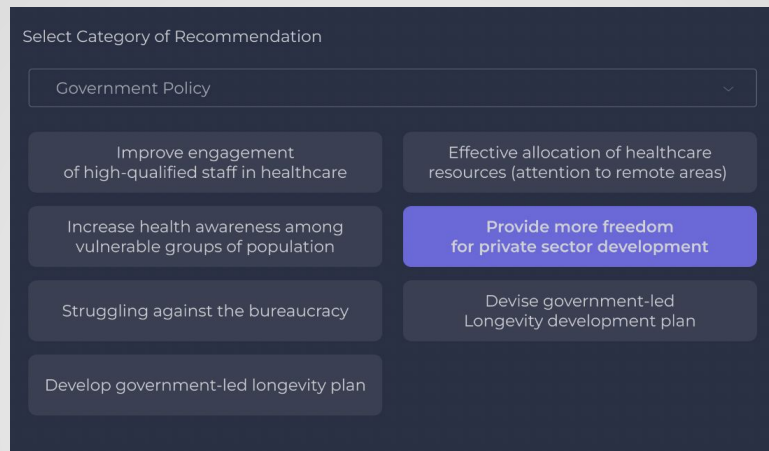Longevity Governance Recommendation System

Longevity Governance Index

Longevity Governance Big Data Analytical System and Dashboard
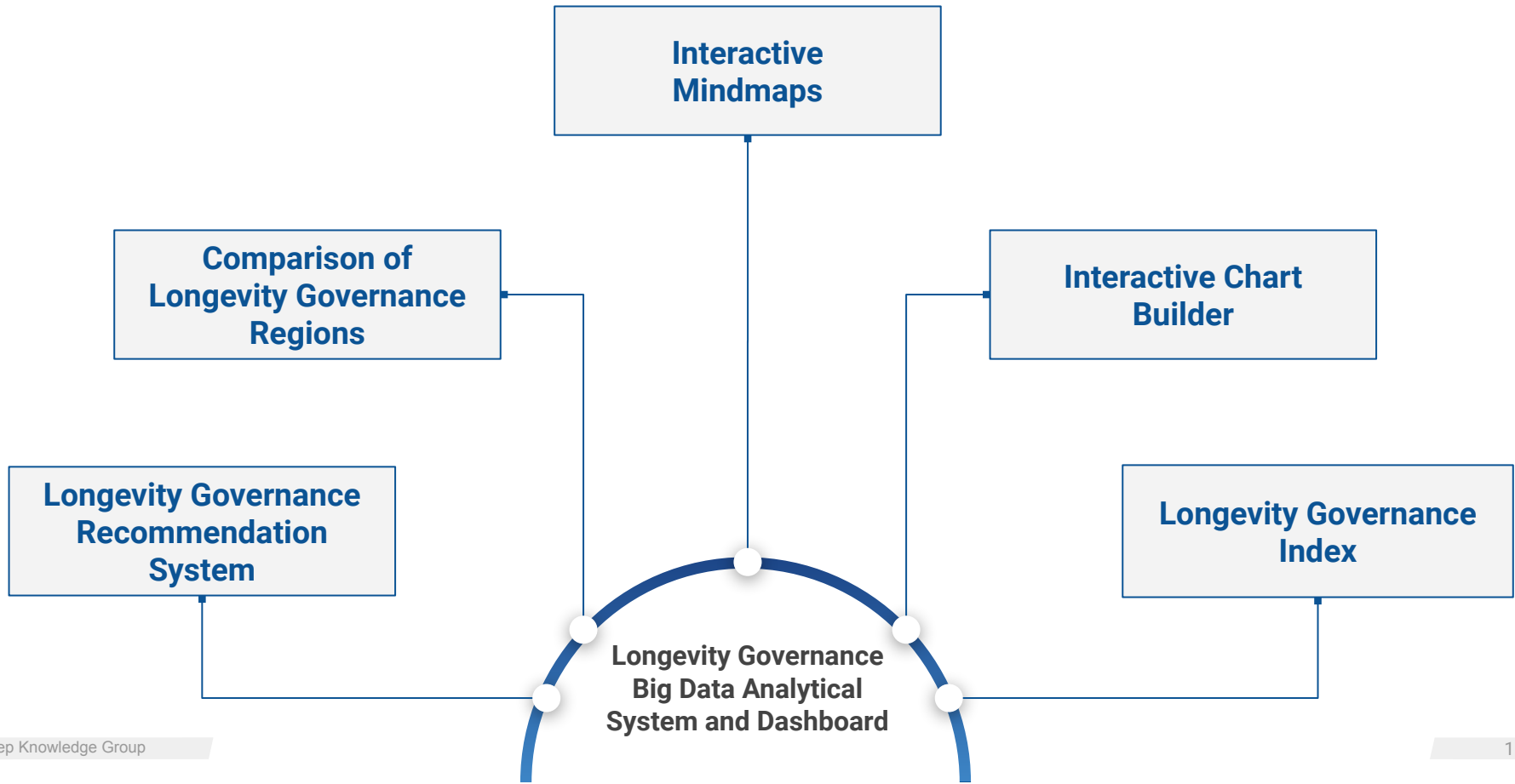
Longevity Governance Recommendations System

Longevity Governance Recommendations System provides actionable insights on the practical steps which can secure the improvements in national longevity policies for the defined countries.

Recommendations are delivered based on the following groups of parameters:

Demography	**Ecology**	**Economy**
Government care	**Health Status**	**Society**

Government Policy

Select Category of Recommendation

Government Policy

Improve engagement of high-qualified staff in healthcare	Effective allocation of healthcare resources (attention to remote areas)
Increase health awareness among vulnerable groups of population	Provide more freedom for private sector development
Struggling against the bureaucracy	Devise government-led Longevity development plan
Develop government-led longevity plan	

Provide more freedom for private sector development.

Private clinics can bring advanced methods and technologies in treatments, especially, foreign one by following the successful examples of the developed OECD countries that effectively tackle the burden of the noncommunicable diseases and provide the appropriate medications for elders.

Comparison of Longevity Governance Regions

Regions Longevity Governance Comparison allows to conduct the comparative analysis of states based on the large number of indicators relating to the Longevity Governance. Some of such indicators involve the following:

- Life expectancy
- Human Development Index
- Global Gender Gap
- Prevalence of Undernourishment
- Prevalence of Mental disorders
- Current health expenditure (% of GDP)
- Normal Retirement Age

100+ parameters for comparison
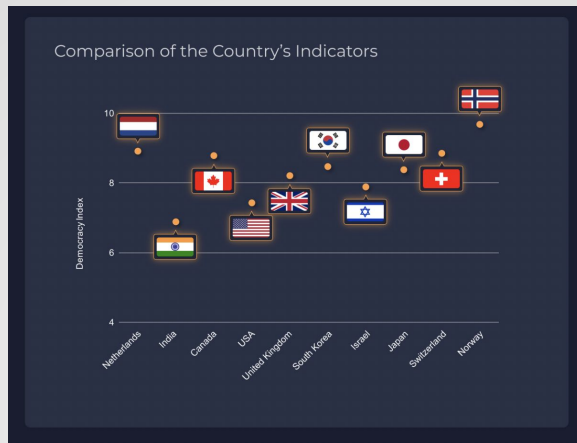
Interactive Mindmaps

Interactive Mindmaps allow users to visualize the connections between the elements of the complex industries.

As an separate tool within the Longevity Governance Big Data Analytics System and Dashboard, interactive mindmaps represent the key differentiations between regions, allow to define the groups as per specific parameters.

Interactive Chart Builder

Interactive Chart Builder allows to create the charts based on the user's desired parameters.

Relying on the extensive database, this tool is able to visualise the parameters of specific states relating to the longevity governance.

The key advantage of this tool lies in the fact that the data is aggregated from large number of external sources that makes the chart builder the handful tool for conducting analysis.
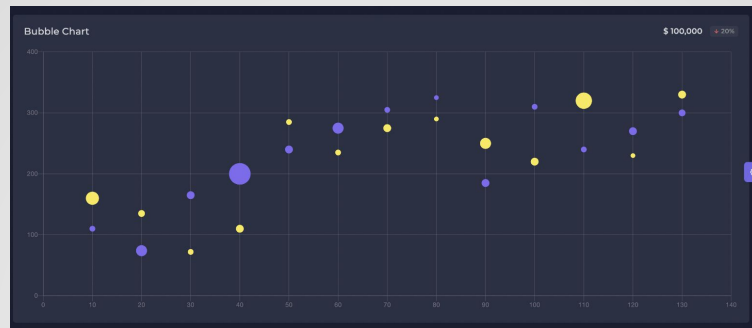
Future Plans for Analytical Dashboards Focused on Longevity Governance

SWOT Analysis of Longevity Policies across Countries

Recommendations on Population Health Tax Credits

Assessments of Silver Economy across Countries

Dashboards will be able to assess the performance of every country in terms of Longevity governance and national healthcare optimization.

With AI-based algorithms and based on constantly updating database, such tool will assist in making the analysis.

Recommendations will be generated to assess the efficiency of government-led initiatives to subsidise the public health.

They will also assist in implementation Health Tax Credits in new countries.

The tool is set to measure the potential of purchasing power of senior population across countries.

Such tool will generate insights on possible ways of optimization the spending power of silver generation.

Future Plans for Analytical Dashboards Focused on Longevity Governance

Estimates of Population Ageing

Health and Longevity Indices

Enhancements of Recommendation System

Larger volume of data aggregated by Dashboards over time will allow to make projections on the population ageing for every country.

Health and Longevity Indices would help to better track the progress of national healthcare systems in extension the lifespan and achieving the healthy longevity

It's planned that AI algorithms of Dashboards backing the Recommendation System will generate more precise insights over time

Planned Integrations of Longevity Governance Dashboards

DeepTech-Related Dashboards

Set of Big Data Analytical Dashboards dedicated to advanced industries such as GovTech, DeepTech, etc

AssistiveTech IT-Platform

IT-Platform tracking the overall development of AssistiveTech Industry

Integrations of Longevity Governance Dashboards

Longevity-Related Dashboards

Set of Big Data Analytical Dashboards on the Longevity Industry, Pharma, Longevity Finance, etc

AgeTech IT-Platform

IT-Platform delivers the analytical materials dedicated to the AgeTech Industry

Longevity Governance Index

Longevity Governance Index

Longevity Governance Index was constructed to measure the Longevity Governance development across 186 countries.

The index is a dynamic quantitative and qualitative benchmarking model constructed from 124 unique parameters that evaluate the current state of Longevity and related initiatives among analysed countries, find and determine strengths and weaknesses of the healthcare systems.

The future development of Index will involve:

- Extension the number of parameters;
- Constant validation of AI-backed models to achieve greater accuracy;
- Permanent updating the relevance of datasets.

180+
countries

ranked according to the level of development within the Longevity Industry

20
indicator groups

define Healthy Longevity across chosen countries

6
categories

Demography, Ecology, Economy, Government Care, Health Status, and Society

124
unique factors
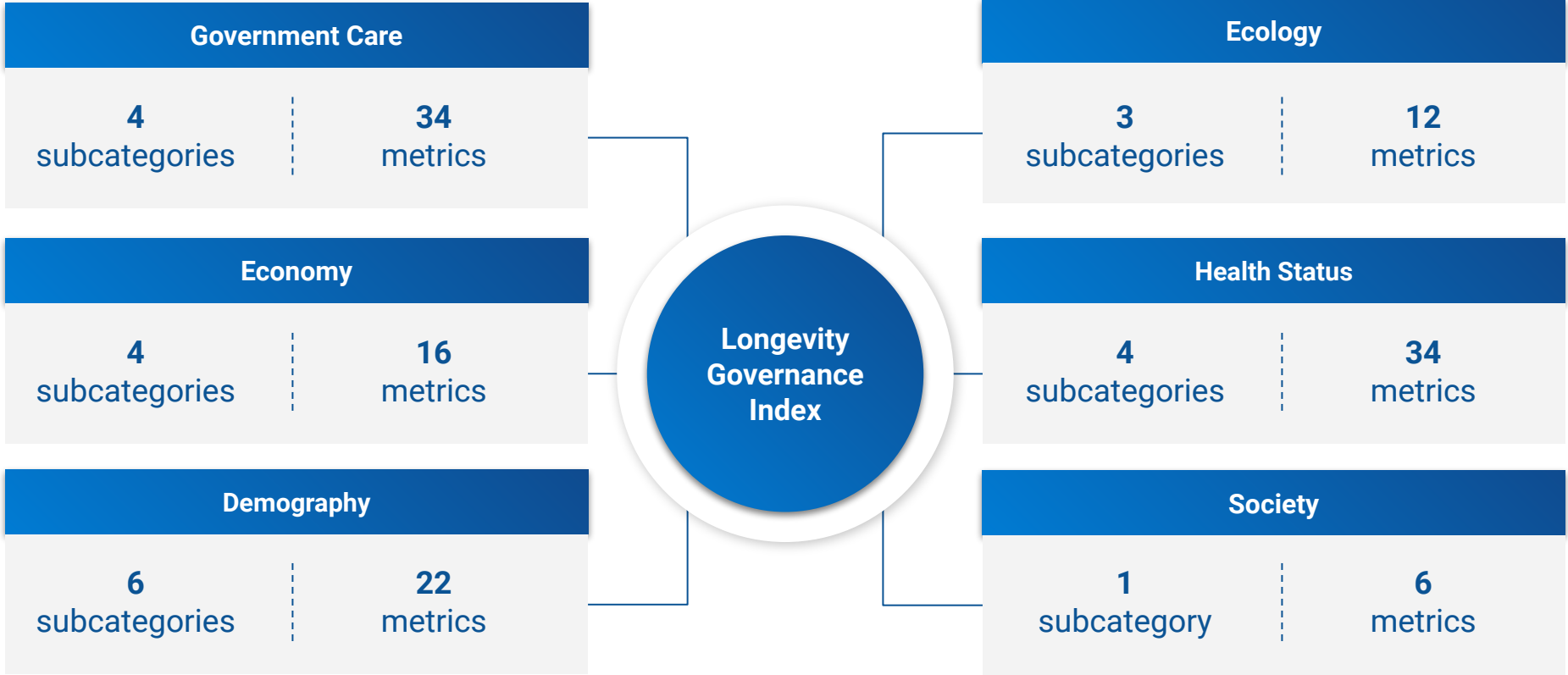
grouped in six subgroups

100
countries

lack efficient healthcare systems around the world

20,000+
data points

collected in order to conduct the research

Longevity Governance Index

Government Care

4
subcategories

34
metrics

Economy

4
subcategories

16
metrics

Demography

6
subcategories

22
metrics

Longevity Governance Index

Ecology

3
subcategories

12
metrics

Health Status

4
subcategories

34
metrics

Society

1
subcategory

6
metrics

Longevity Governance Index: Objective and Methodology

The Longevity Governance Index was constructed, considering the issues of **Demography, Ecology, Economy, Government Care, Health Status, and Society** across 186 countries. The index is a dynamic quantitative and qualitative benchmarking model constructed from 124 unique factors that measure the drivers of development within the Longevity Industry across both developing and developed countries.

Essentially, Longevity Governance Index concept envisages six dimensions:

- **Demography** – illustrates the changing dynamics of structure of the population.
- **Ecology** – assesses a country's exposure to the impacts of a changing climate, sociological, or biological hazards.
- **Economy** – measures resources available that can alleviate the impact of ageing.
- **Government Care** – measured by government activities and spendings regarding healthcare, as well as amount of laws, policies, and plans for Longevity initiatives.
- **Society** – evaluates development of human capital within the society.
- **Health Status** – determines the state of health of population with reference to life expectancy, well-being, and mental health indicators.

Applied Research and Analytics Methods

Descriptive Analysis	**Mixed Data Research**	**SWOT Analysis**
Comparative Analysis	**Qualitative Data Collection**	**Data Filtering**

Longevity Governance Index

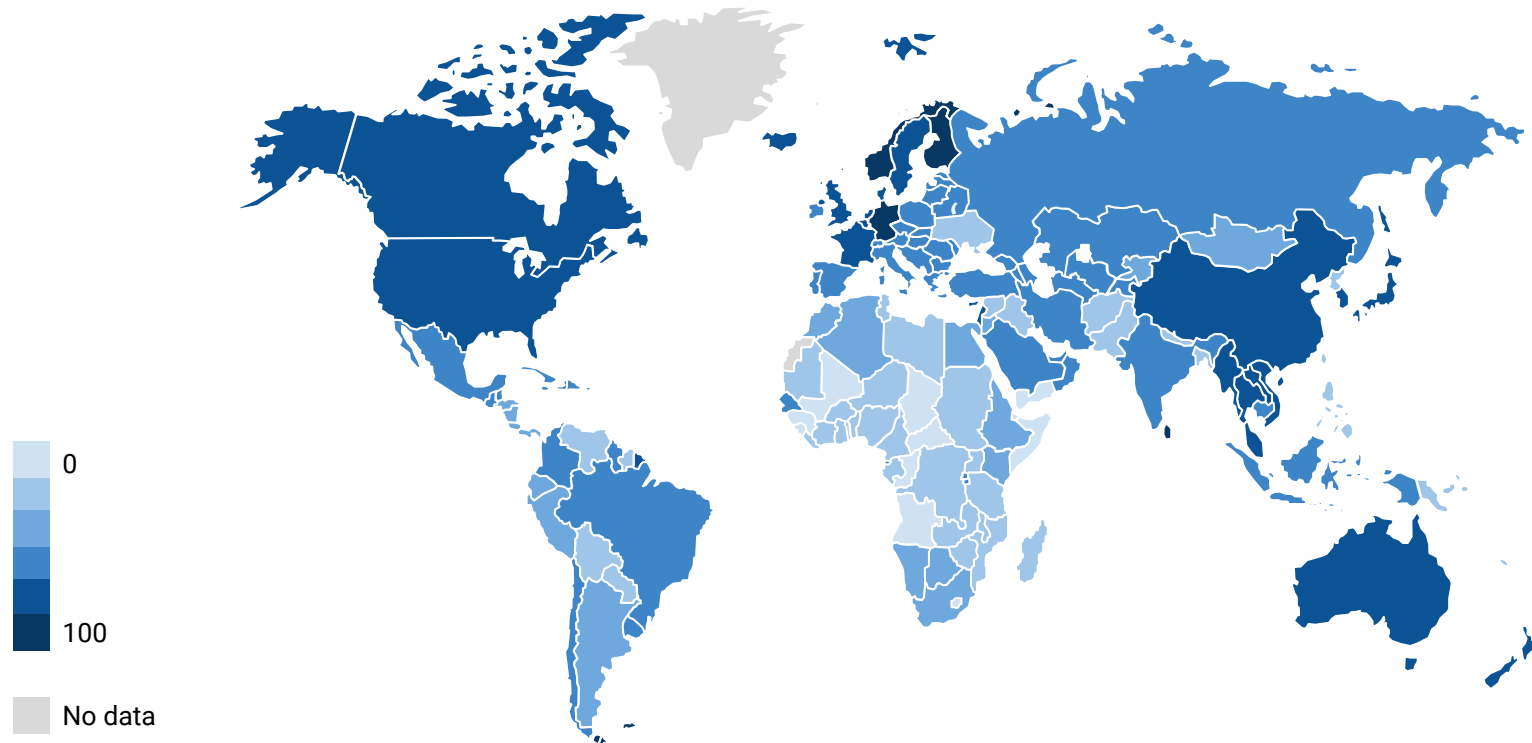|		
Demography	**Economy**	**Society**
Ecology	**Government Care**	**Health Status**

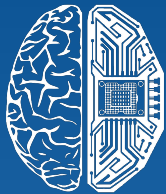# Longevity Governance Index by Overall Score

The **Longevity Governance Index** was constructed to measure the Longevity Governance development across 186 chosen countries. The Index ranges from 0 to 100 where the value closer to 0 shows lack of Longevity Governance development in the country and the value closer to 100 shows a more secure state with public policy initiatives on Longevity present.

0

100

No data

Longevity Governance Index: Overall Ranking - Top 50 Countries

Country	Score		Country	Score
Singapore	79.12		Czech Republic	68.63
Denmark	78.38		Malta	68.57
Norway	78.10		Chile	68.52
Switzerland	76.89		Malaysia	68.32
Israel	76.27		Portugal	68.06
Finland	76.19		Estonia	67.91
Japan	75.28		Thailand	67.68
Australia	75.01		Slovenia	67.65
Germany	74.99		Austria	66.74
Hong Kong	74.78		Lithuania	66.35
Sweden	74.58		China	66.31
Netherlands	74.54		Bahrain	65.31
Canada	74.09		Kuwait	65.12
United Kingdom	73.78		Italy	65.10
USA	72.57		Slovakia	65.00
Iceland	72.48		Oman	64.24
UAE	72.05		Panama	64.14
New Zealand	71.99		Poland	63.94
France	71.13		Uruguay	63.50
Belgium	70.80		Belarus	63.16
Republic of Korea	70.77		Costa Rica	63.14
Luxembourg	70.55		Azerbaijan	62.86
Ireland	70.13		Hungary	62.58
Qatar	69.49		Armenia	62.28
Spain	68.97		Colombia	61.98

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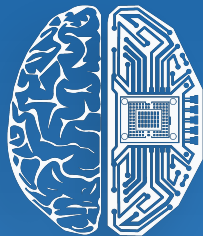
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