DEEP KNOWLEDGE ANALYTICS

# Ecosystem Mapping as a Service

## *Industrial Ecosystem Mapping End-to-End Solution*

www.ecosystem-map.info

www.dka.global

# Ecosystem Mapping as a Service

Ecosystem Mapping as a Service offers the world's most advanced tech-stack for creating interactive domain-specific, regional and industrial ecosystem mapping platforms to showcase the unique strengths of tech, innovation and industry ecosystems in an unprecedentedly advanced, technologically robust and visually sophisticated manner.

## Ecosystem Mapping Platform Components

- **Interactive Ecosystem Map**
- **Ergonomically-Designed Web-Based Front End**
- **Interactive Charts and Advanced Visualizations**
- **Searchable and FIlterable Ecosystem Database**

Licensed and originally developed as an internal product by Deep Knowledge Analytics, the tech ecosystem analytics subsidiary of Deep Knowledge Group, internationally renowned for their 10-year track record of excellence in analysing, benchmarking and forecasting operationally complex tech industries and innovation ecosystems, this unique IP has been intensively designed to significantly surpass the current state of the art in industry ecosystem mapping, and is now for the first time available a service for external clients.

No other system in the world is capable of constructing domain-specific ecosystem mapping platforms at such speed, with such technological, ergonomic and visual sophistication, or with as broad a range of 2D and 3D advanced visualisation tools and add-ons. Contact us to learn more today.

# Ecosystem Mapping-as-a-Service

We collaborate with institutions to offer co-branded IT platforms mapping specific ecosystems.

These platforms include interactive maps, searchable databases, and customizable graphics created free of charge.

These platforms can be used by organisations to:

- showcase their own activities and efforts,
- foster partnerships
- optimize their strategic decision making within the ecosystems they are active within.

## Why Would Partners Want an Ecosystem Mapped?

| | | | |
|---|---|---|---|
| Government: Showcase Your Regional Assets | Academia: Identify Partners and Collaborators | Philanthropy: Map Networks of Action and Impact | Corporations: Visualize Partners or Subsidiaries |
| Optimize Strategic Decision Making | Promote Assets and Activities More Effectively | Identify Top Trends in the Ecosystem You're Active in | Identify Competitors and Collaborators |

## Our Unique Value Proposition

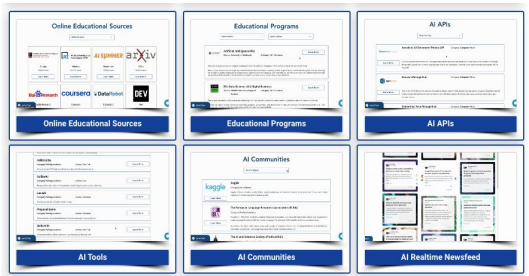
| | |
|---|---|
| 10+ Years Mapping Innovative Ecosystems | Hundreds of Produced Region, Industry and Domain-Specific Ecosystem Mapping Projects |
| History of Projects Commissioned by Government | Strong Diversification Across Industry, Policy, Science, Tech, Finance and Techno-Philanthropy |

# Ecosystem Mapping as a Service

## We can help you in 3 cases

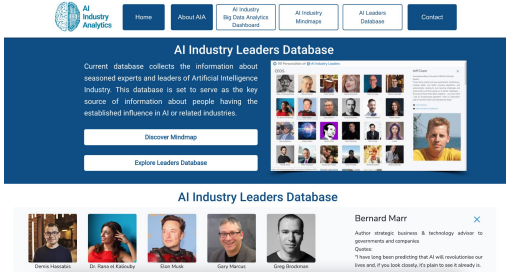
### If you have no data and no platform

**We Can Provide Searchable and FIlterable Ecosystem Database**




### If you have data but no platform or any other IT solutions

**We Can Provide Ergonomically-Designed Web-Based Front End**




### If you have platform and database but not advanced visualization

**We Can Provide Interactive Graphics and Advanced Visualizations**

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# Ecosystem Mapping as a Service

## 3 Different Components

### Ecosystem Mapping IT-Platform

This platform provides a dynamic view of the relevant industrial ecosystem. It makes it possible to continuously monitor the local and regional market and forms the basis for providing guided care to strengthen existing competitive advantages. It creates interactive digital profiles, makes comparative analyzes and performs SWOT analyses.

**Zero Cost for Limited Time**

### Big Data Analytics System and Dashboard

We also offer contracted Big Data Analytical System and Dashboard construction services, tailored to client needs, featuring sophisticated analytics (competitive, comparative, quantitative, qualitative and SWOT analysis) and advanced data visualization.

**This tool can be customized to the client's specific needs and strategic goals.**

**Available for Purchase**

### Ecosystem-Trained Custom AI Engine

For clients seeking even more sophisticated ecosystem mapping solutions, we offer custom-order pre-trained deep learning models for analytics and smart matching, derived from extensive databases tailored to client specifications, as a Dashboard add-on.

**This tool can be customized to the client's specific needs and strategic goals.**

**Available for Purchase**

# Platform Components: Front-End Website

**Ergonomically-Designed Web-Based Front End**

**An ergonomically designed web-based front end, easily accessible and user-friendly, serves as a powerful tool for better data management and strategic decision-making processes for institutions supporting technological innovation.**

**For a representative example of Platform design and scope of functionality, see our recent project: www.ai-ecosystem.org/uk**

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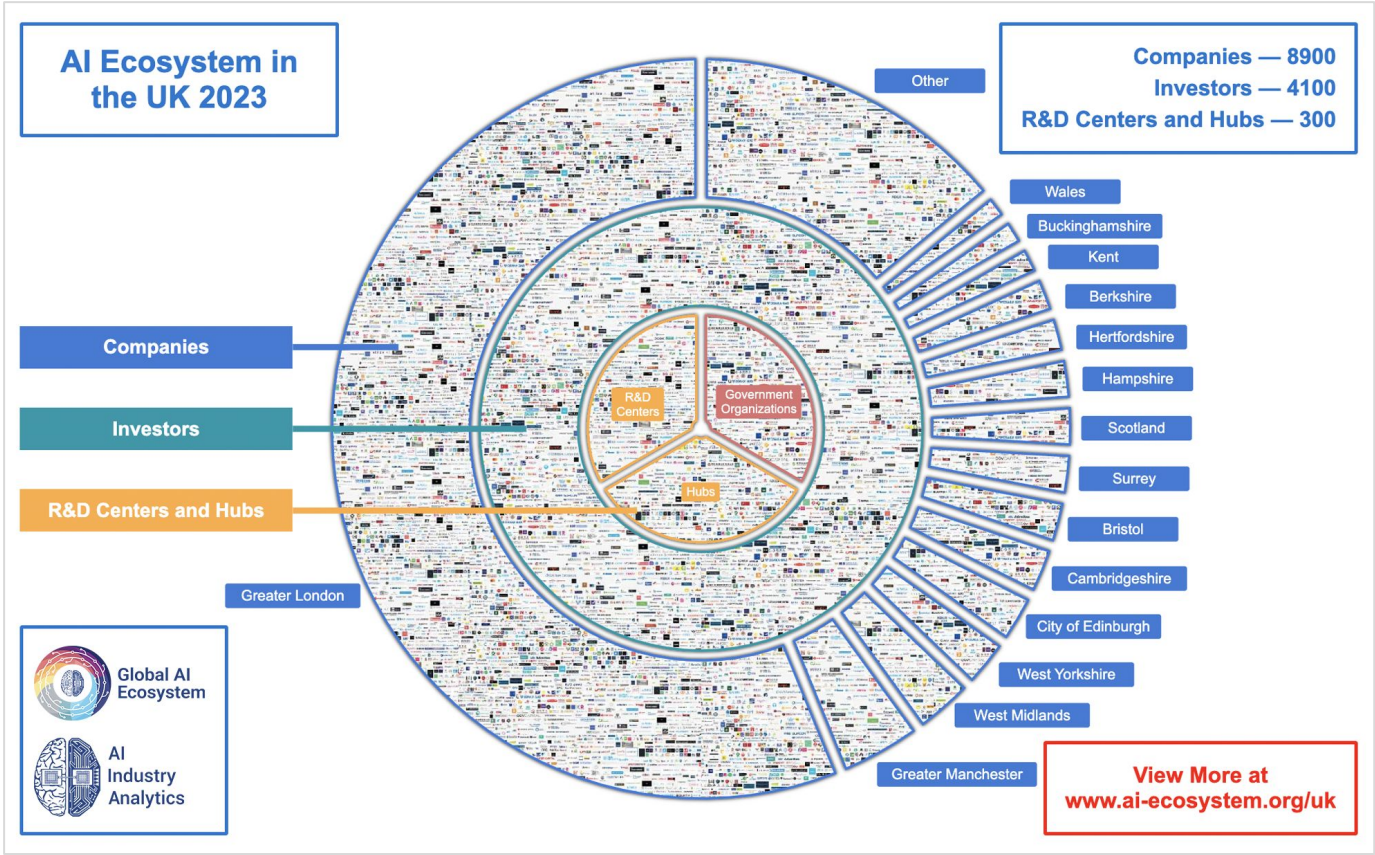
# Platform Components: Interactive Ecosystem Mindmap

Interactive ecosystem maps visualize the logos of entities (companies, organizations, etc) within an ecosystem.

Categorized by different sectors and sub-domains, the logos are clickable and open individual entity profiles.

Users can select/isolate specific ecosystem sectors, and enable red connection lines and network diagrams that visualize associations between entities, such as collaborations or investments.

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# Platform Components: Interactive Macro Parameters Panel

The interactive macro parameters banner is a tool that displays key features of the ecosystem.

This dynamic visual presents the primary quantities of different entities or parameters.

Users can interact with the banner to understand the ecosystem's main components and quantities.

Empowering data-driven decision-making, this tool provides clarity on the overall dynamics of the ecosystem

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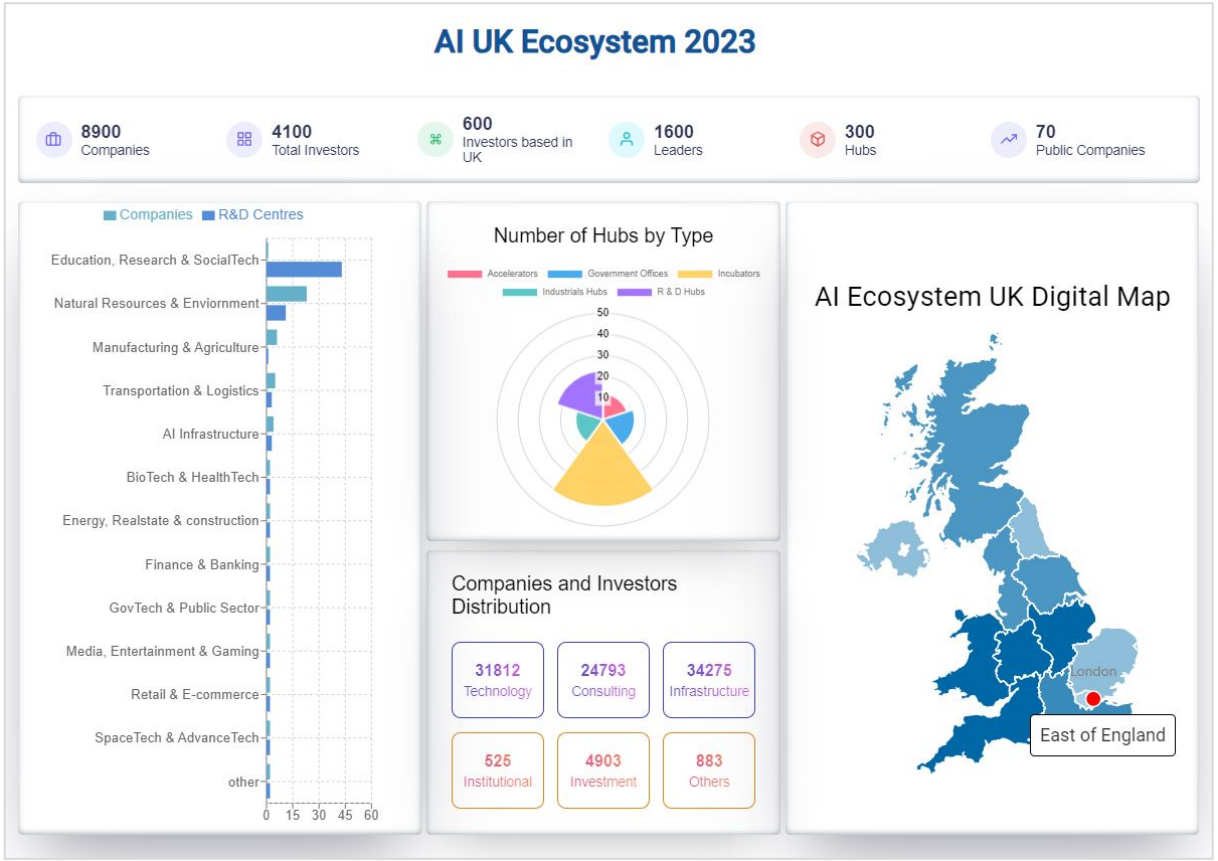
# Platform Components: Interactive Visualizations

## Interactive Charts and Advanced Visualizations

Interactive charts and advanced visualizations enhance the platform, providing dynamic insights and facilitating a deeper understanding of complex data, enabling users to interact with data by clicking elements and toggling dynamic functions.



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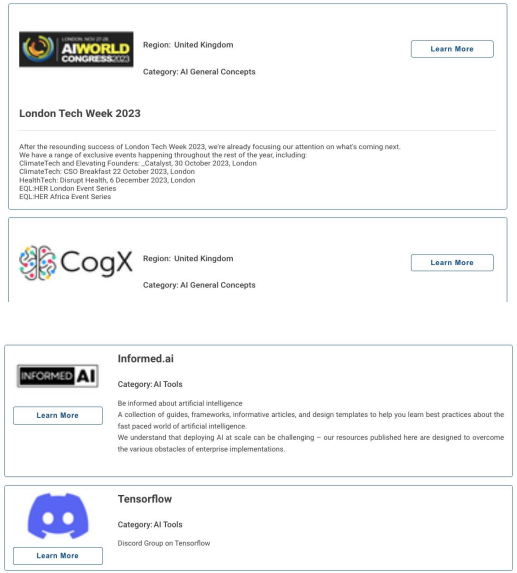
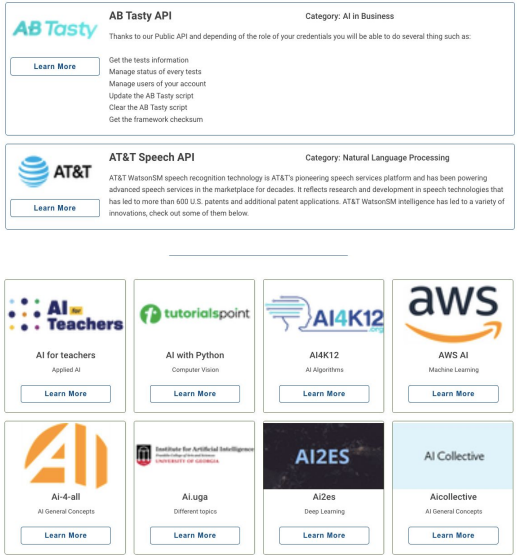
# Platform Components: Interactive Ecosystem Database

The **Searchable and filterable ecosystem database**, aiding specific information access for promoting local technological innovation and societal good through DeepTech.

## Searchable and FIlterable Ecosystem Database




- AI Conferences
- AI Media Channels
- AI Books
- Online Educational Sources
- AI APIs
- AI Tools
- AI Communities
- AI Realtime Newsfeed

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# Platform Components: Ecosystem Leaders Database

**'Leaders Database' (Interactive database of leading ecosystem professionals) provides an excellent pretext to engage with potential partners and collaborators, and secure ecosystem platform visibility among the top professionals of the domain-specific ecosystem**

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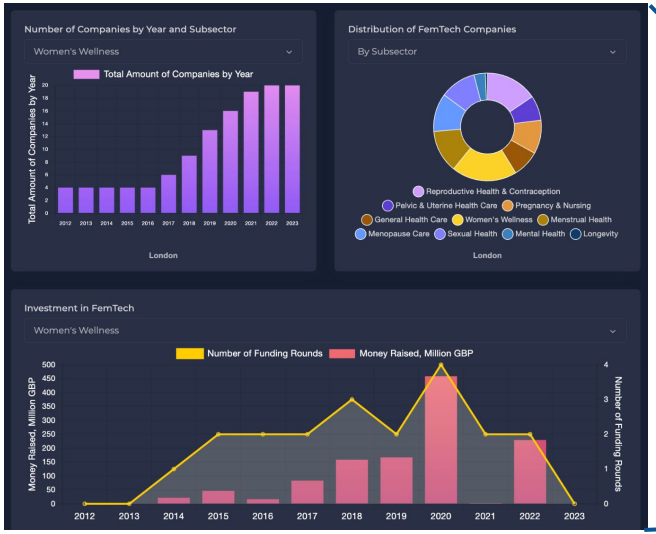
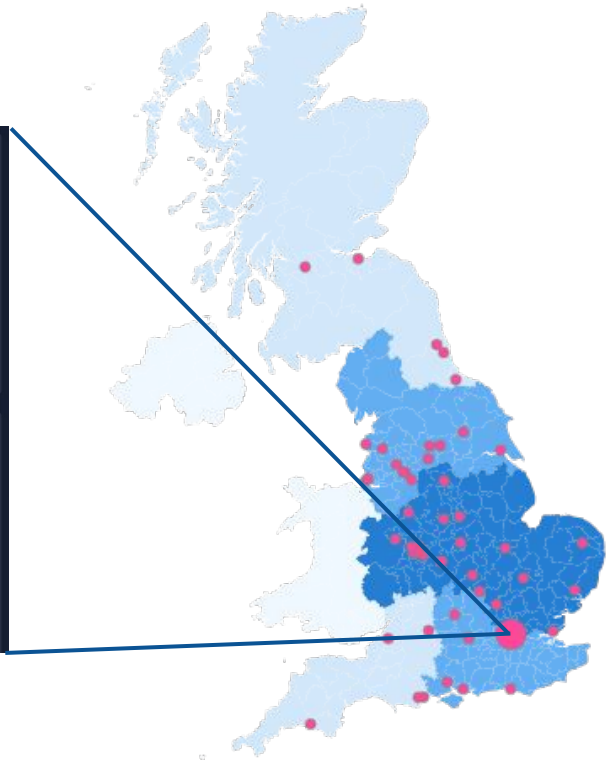
# Platform Components: Interactive Geomap

Detailed and filterable interactive geomaps provide a comprehensive analysis experience. Users can explore specific geographic data, patterns, and trends effortlessly. The accompanying detailed database visualization enhances the analytical process, allowing for informed decisions based on rich spatial insights





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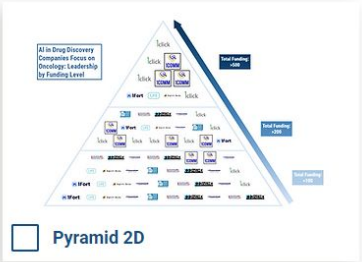
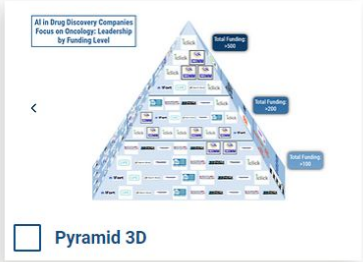
# Platform Components: Interactive Benchmarks Visualization

**Benchmarking (ranking) of leading entities in chosen ecosystem according to quantitative and qualitative criteria**

**Multiple choices for how to visualize ecosystem benchmarks: 2D and 3D triangles, entity-specific SWOT start diagrams, etc.**

Benchmark Tools



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# Our Ecosystem Mapping Track Record

Deep Knowledge Group has extensive experience producing more than 100 regional and industry-specific ecosystem mapping platforms on a variety of tech and innovation domains through its 12+ domain and industry-specific analytical subsidiaries, some commissioned directly by governments and government-affiliated entities (including the inward investment arm of the local Manchester UK government, the Scottish Government's national economic development agency, and Sharjah Research Technology & Innovation Park, a free economic zone of the Sharjah Emirate established by royal decree of the Ruler of Sharjah and member of the Federal Supreme Court of the UAE, among others).

## Our Analytical Subsidiaries

| | | |
|---|---|---|
| **Aging Analytics Agency** | **Deep Knowledge Analytics** | **FemTech Analytics** |
| **Artificial Intelligence Agency** | **Deep Pharma Intelligence** | **NeuroTech Analytics** |
| **Big Data Analytics Department** | **GovTech Analytics** | **SpaceTech Analytics** |

# Our Accomplished Projects

### GovTech in the UK

View More

### Blockchain in the UK

View More

### DeepTech in Gulf Region

View More

### AI Industry in UK

View More

### AI in Drug Discovey in Asia

View More

### AI in Biomed UK

View More

### Longevity Industry in Israel

View More

### DeepTech & AI in Asia Pacific Region

View More

### FemTech In The UK

View More

### FemTech Industry in the UAE

View More

### Techno-Philanthropy in UK Platform

View More

### Longevity Industry in California

View More

### Life Science in the UAE

View More

### Assistive Tech in the UK

View More

### Financial Institutions in Asia

View More

### SocioEconomic and Innovation Asia

View More

### AI in the UK: Finance

View More

### Diabetes Industry in GCC Region

View More

### Longevity Industry in the UK

View More

### InsurTech Industry in Switzerland

View More

### CreaTech Industry in the UK

View More

### AI in London

View More

### AI in Greater Manchester

View More

### AI in Wales

View More

### Longevity in Asia

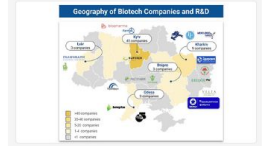
View More

### AgriTech in the UAE

View More

### FemTech Industry In Switzerland

View More

### Innovative Healthcare in Ukraine


View More

# Our Upcoming Projects

## Longevity Industry in Tokyo

View More

## FinTech in Scotland

View More

## Tech Hub in Brussels

View More

## Invest in Manchester

View More

## Miami Tech Ecosystem Platform

View More

## Life Sciences in Tokyo Ecosystem

View More

## Invest in Scotland

View More

## Shenzhen Tech Ecosystem

View More

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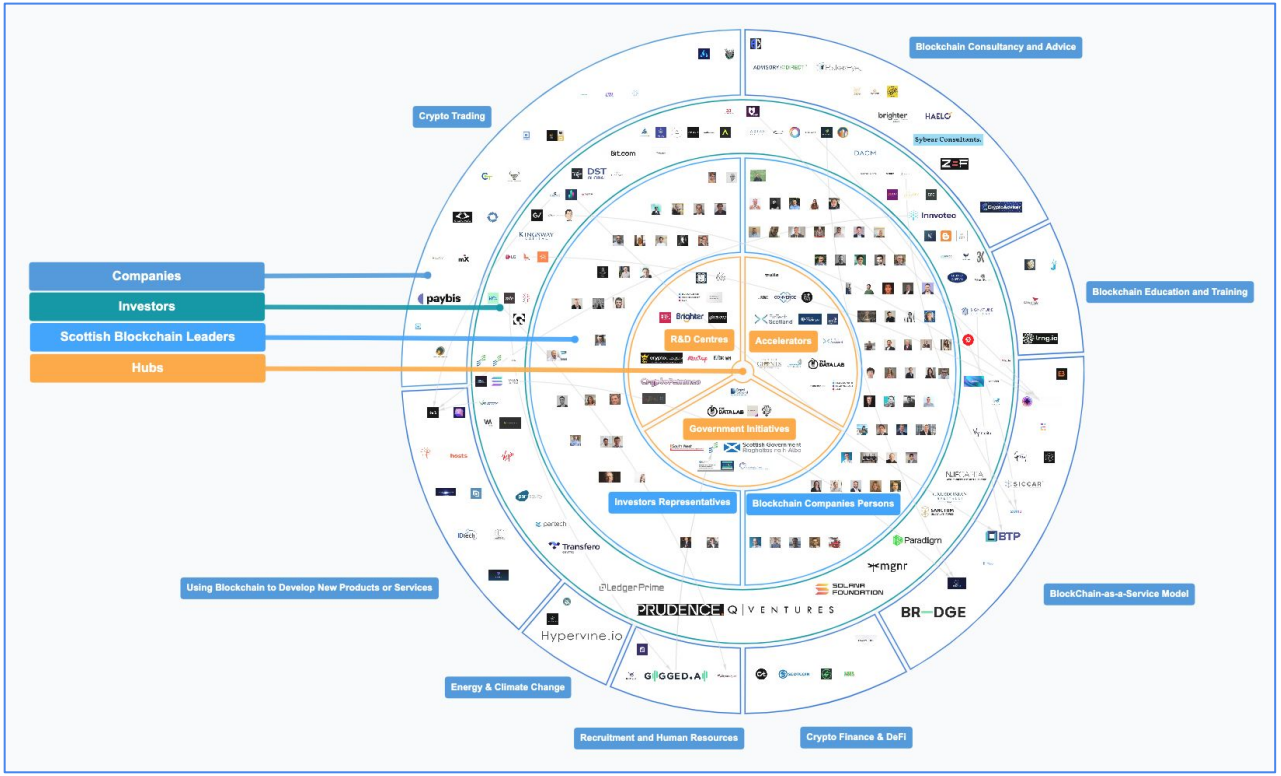
# Ecosystem Mapping Universal Platform Solution

## *Key Features and Functionality*

## Extended Summary

# Interactive Mind Map and Network Diagrams




Clickable logos opening profiles of selected entity (companies, investors, institutions) of interest

Visualise and isolate ecosystem sectors independently

Toggle connection lines to highlight entity-to-entity interactions (investments, partnerships, collaborations)

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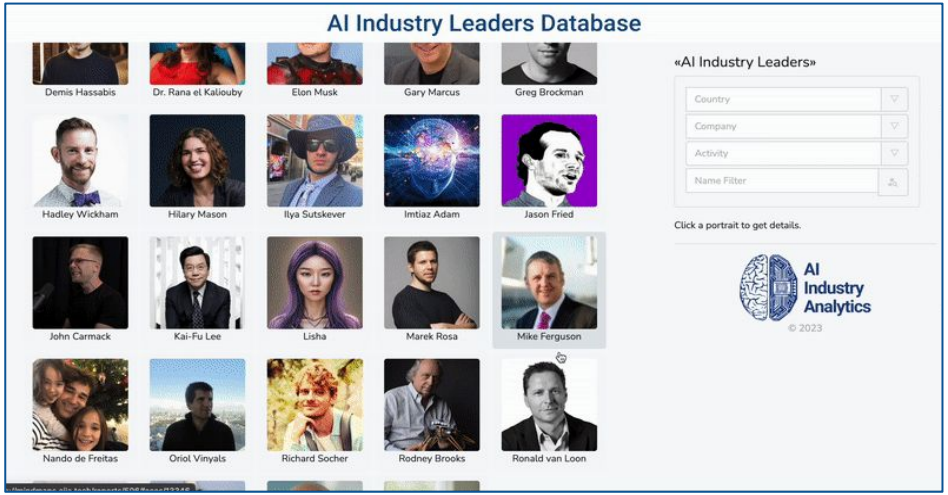
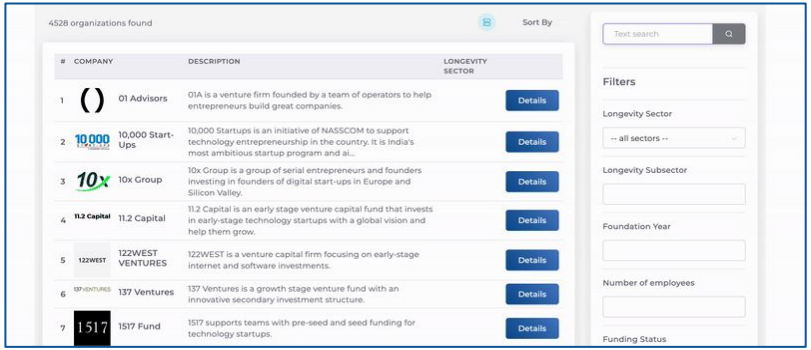
## Navigation Menu: Diverse Collection of Industry Objects

## Industry Leader / Personality Mindmaps

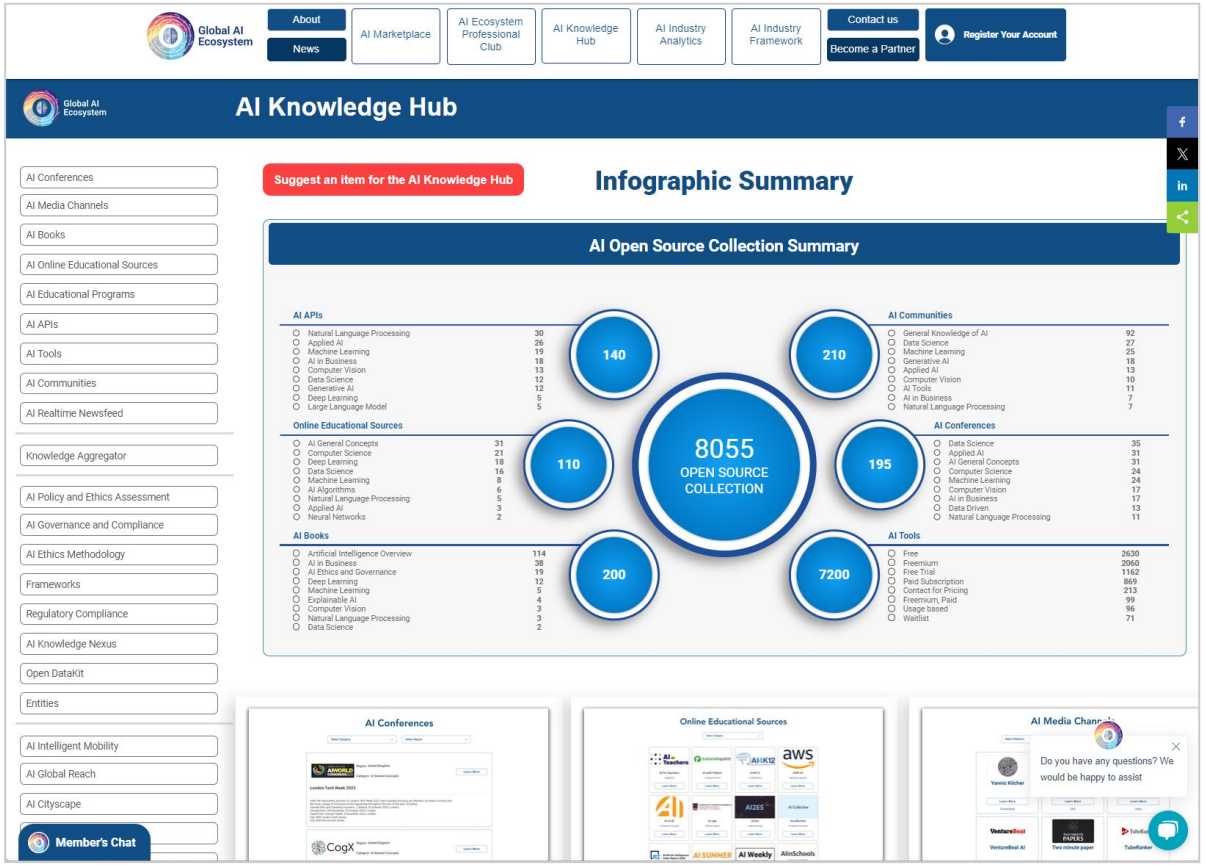


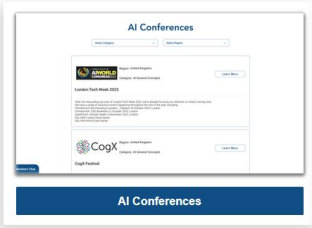

## Filterable/Searchable Company/Investor Databases

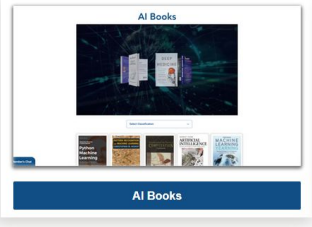


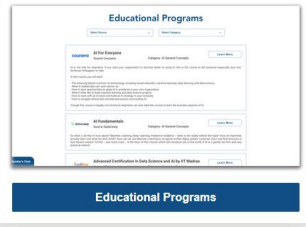

## Individual Company / Investor Profiles Databases

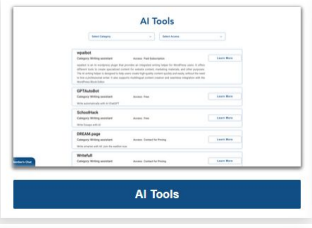
# Platform Components: Knowledge Hub (Open-Source Library)

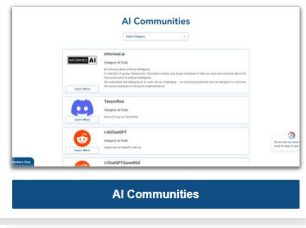


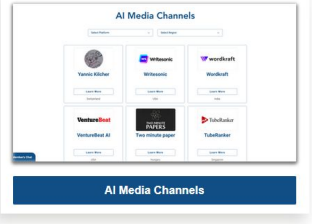



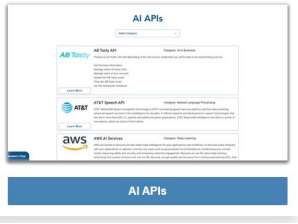
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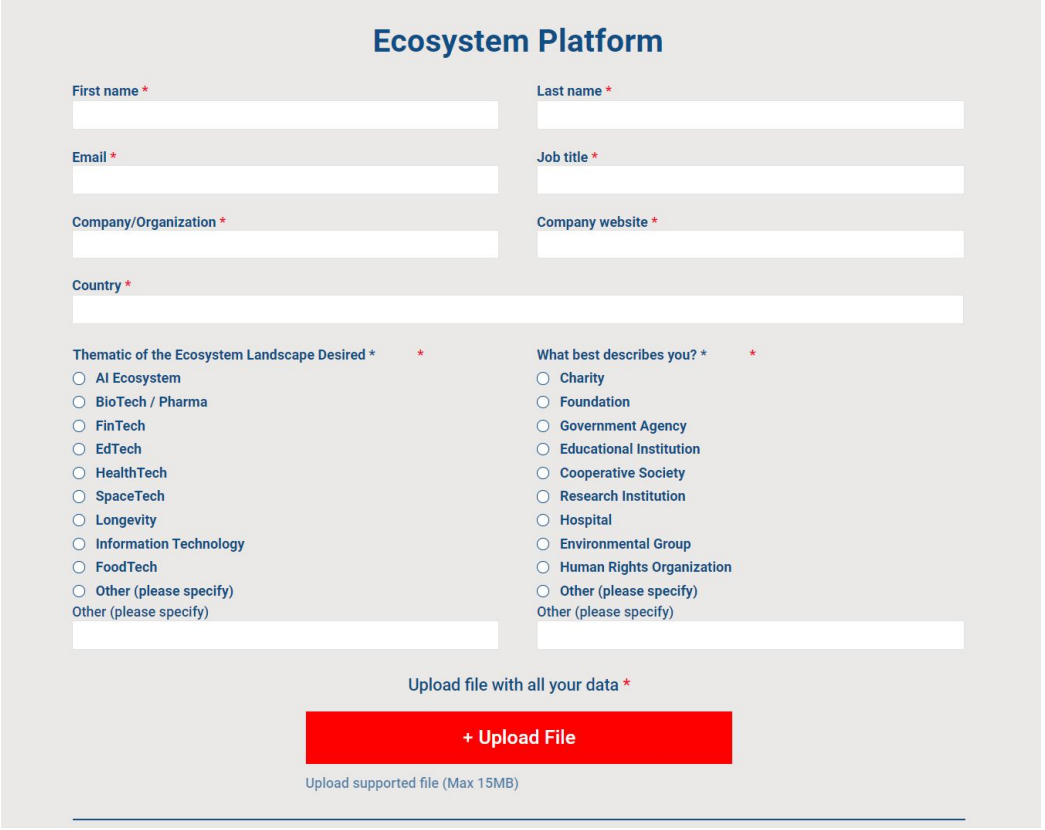
# Institutional User Journey

**We have designed an intuitive interface where institutions can:**

- **Fill in a questionnaire specifying the topical focus and scope of their designed system platform (specification by region, industry, technology, field, domain or theme)**
- **Upload the core data that will be used as the basis for constructing the ecosystem platform (ecosystem entity types, names, profiles, logos, etc)**
- **Select the types of ecosystems maps and interactive visualizations they would like**
- **Review instructional videos and web-forms guiding them through the process of ecosystem specification and data upload**

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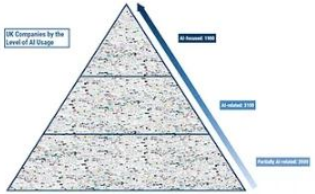
# Interactive Ecosystem Map Types

Please, select visualization you'd like to have *

**MindMaps**

☐ Circular Pseudo Mindmap

☐ Rectangle Pseudo Mindmap



☐ Pyramid Pseudo Mindmap

☐ Circle Interactive

☐ Rectangular Interactive

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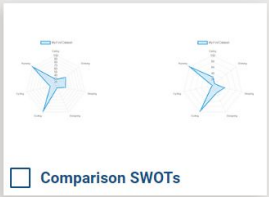
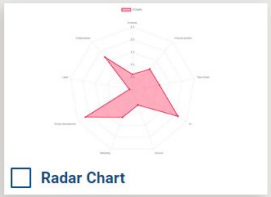
# Interactive Charts, Graphics and Navigation Menus

## Radar Charts

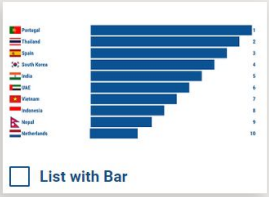


Comparison SWOTs



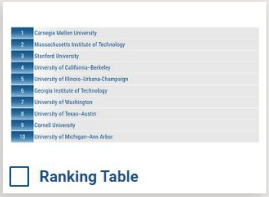
Radar Chart

## Lists



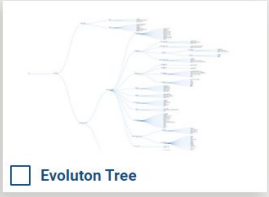
List with Bar

Ranking with Images

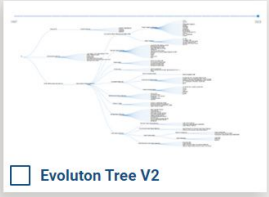


Ranking Table

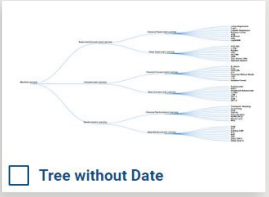
## Trees and Pathways



Evoluton Tree



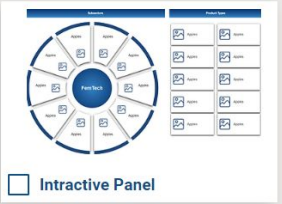
Evoluton Tree V2



Tree without Date

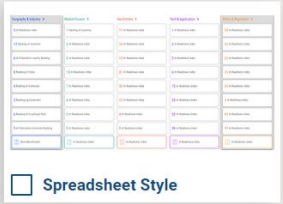
## Navigation Menu

Honeycomb Style



Intractive Panel

Intractive Panel Color

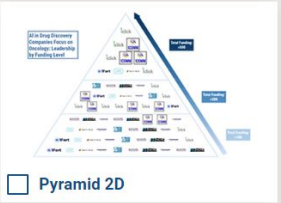


Spreadsheet Style

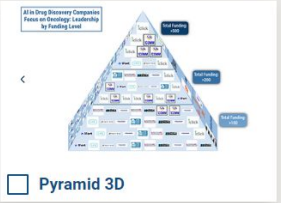
Companies List

Companies List Color

## Benchmark Tools



Pyramid 2D



Pyramid 3D

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# Ecosystem Mapping Universal Platform Solution

*Big Data Analytics Dashboards and AI Engine*

*(Proprietary Solutions Negotiable on Request)*

# Standard Big Data Analytics Dashboard (€50,000 / 6 Weeks)

For organisations seeking deeper analytics and a more comprehensive suite of ecosystem mapping solutions, we also offer contracted Big Data Analytical System and Dashboard construction services, tailored to client needs.

This suite of proprietary technology provides advanced tools for analyzing ecosystem entities (e.g., companies, investors, and hubs).

This high-performance system is equipped with advanced data analysis capabilities, enabling it to swiftly process complex datasets and offer valuable insights, including:

- Advanced SWOT Analysis
- AI-driven Smart Matching between companies, investors and hubs
- Funding rounds
- Sectoral and regional breakdown for the companies, investors and hubs.

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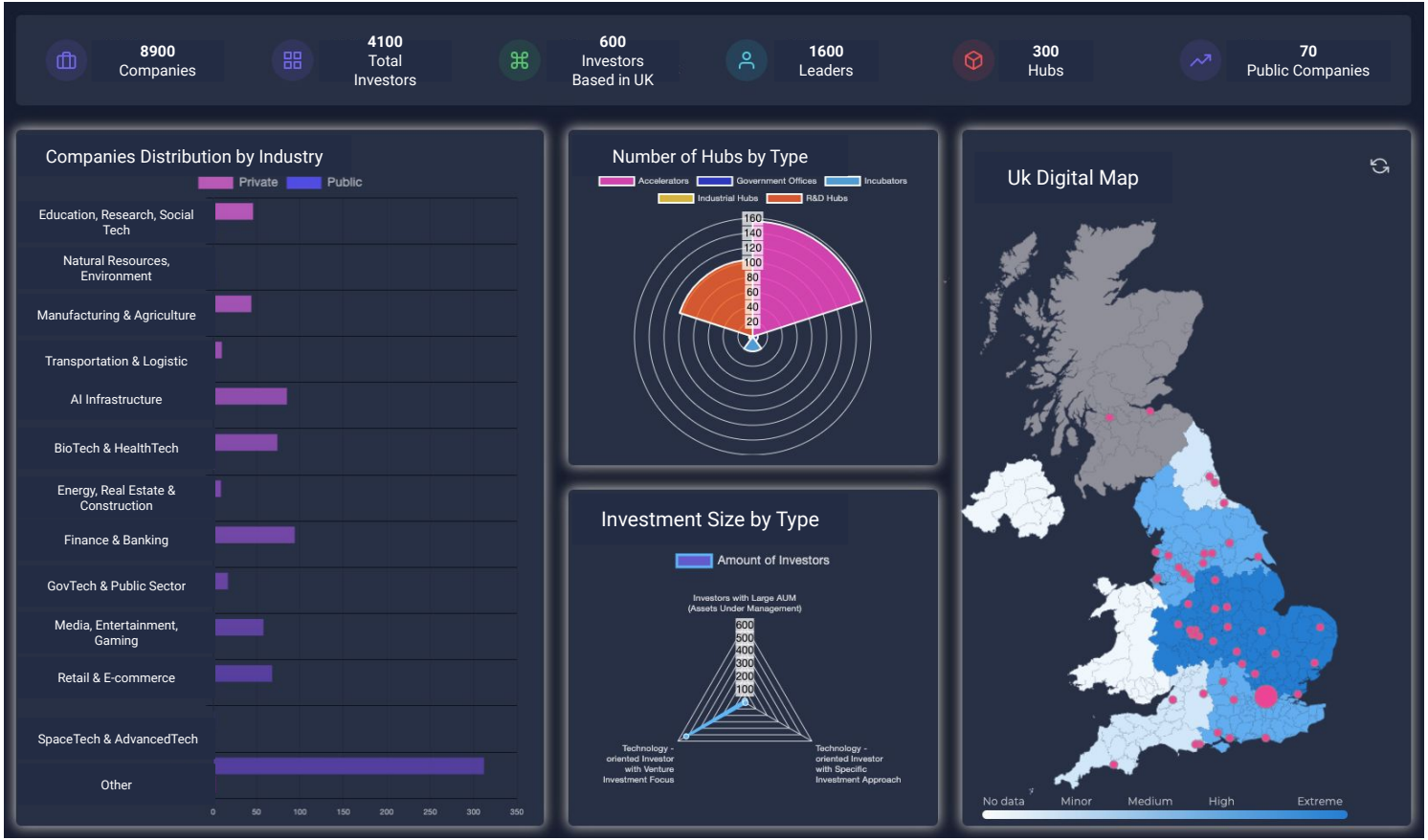
# Professional Dashboard

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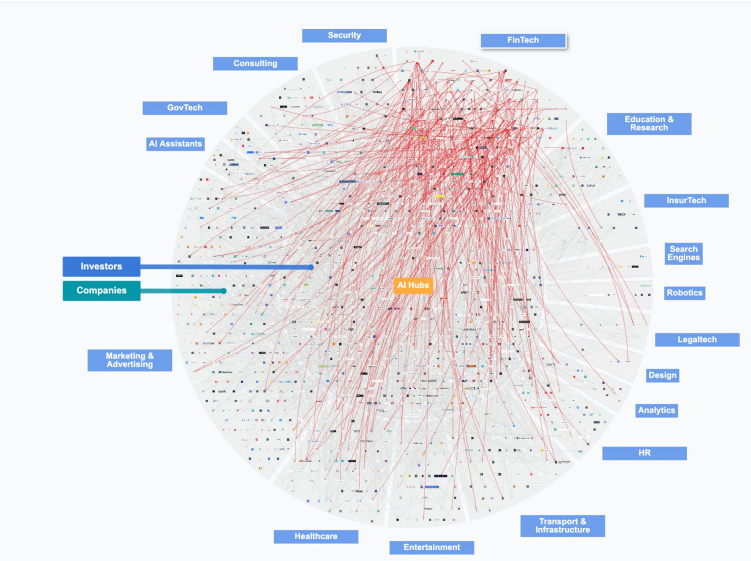
# AI-driven Smart-Matching Tool

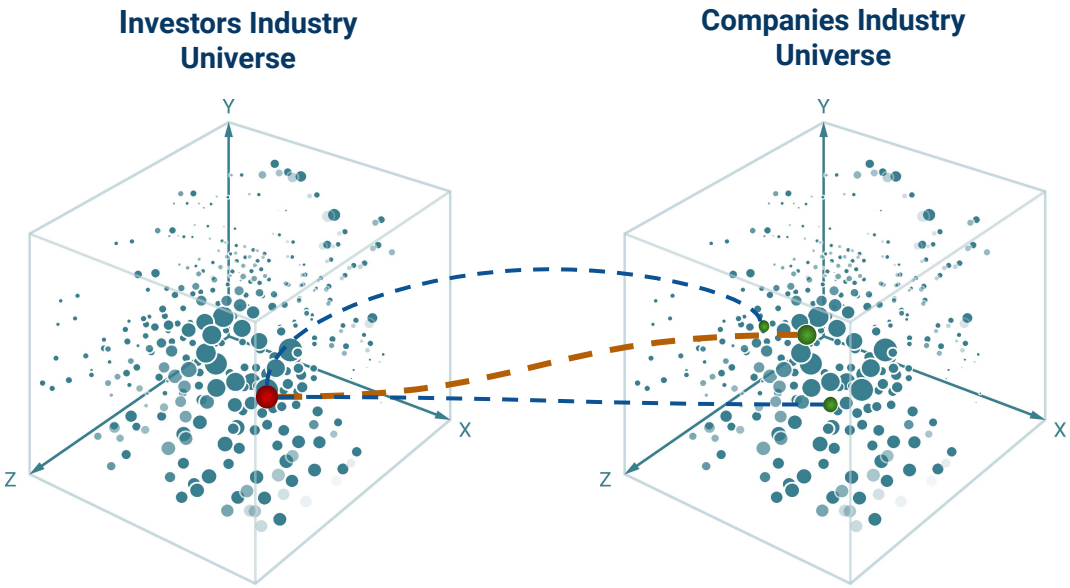
UK Artificial Intelligence Industry Landscape




Interactive Mindmaps allow users to demystify the complexity of the markets by visualizing the connections between the market players

**Key Features:**

- Big Data Design
- 30 covered markets
- 100+ analysed sectors
- 50000 represented entities
- 5 entities layers types
- Interactive entities linkage




The Investors Relations AI-driven Matching Tool brings an unprecedented level of versatility and sophistication to the challenge of ecosystem participant peer-to-peer smart matching by combining direct matching approaches based on algorithmic and machine learning analysis of the known sectors of activity of companies and investment track-record and preferences of investors with indirect matching approaches based on deep learning and reinforcement learning to identify hidden patterns and connections

# Overview of Big Data Analytics System and Dashboards

We provide profound AI-driven insights on the private and public markets in the Tech industries via **customized IT-Platforms and Dashboards**

| | |
|---|---|
| 550,000 | Companies |
| 50,000 | Investors |
| 52 million | Data Points |
| 170 | Parameters of Automated SWOT Analysis |

## Market Intelligence Focus

| | | |
|---|---|---|
| HealthTech | DeepTech | BioTech |
| Longevity | GovTech | Philanthropy |

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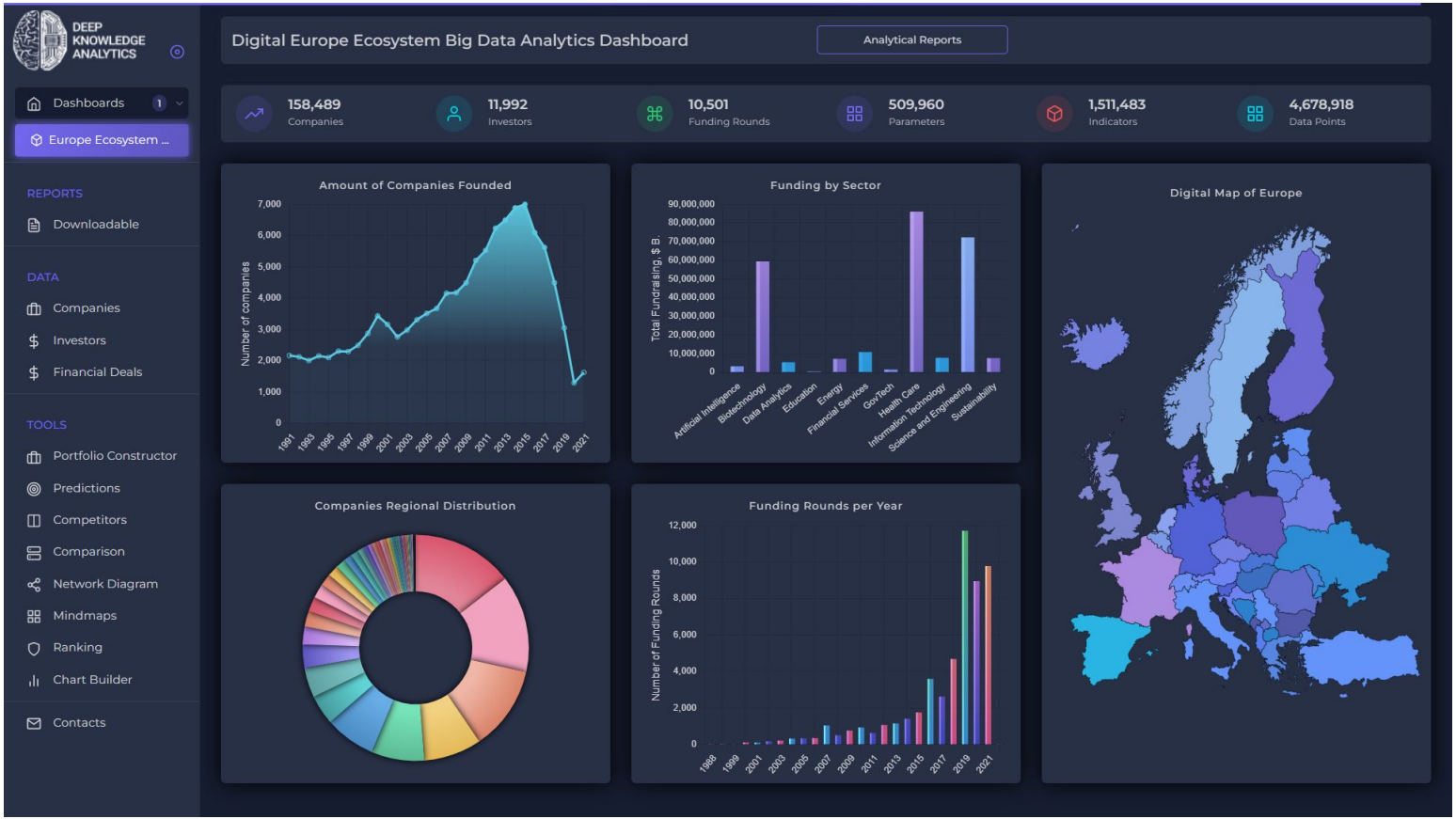
# Europe DeepTech Cluster Big Data Analytics Dashboard

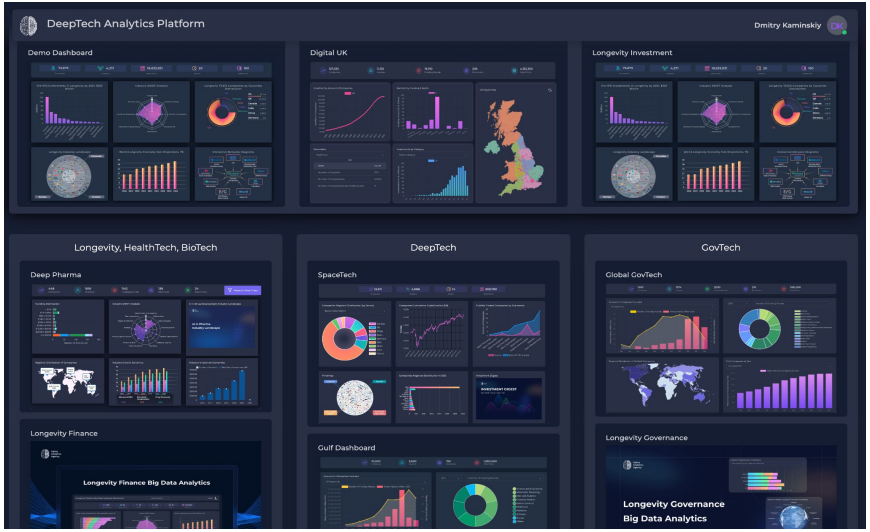



www.deep-innovation.tech/deeptech-digital-europe-dashboard

# Thematic Dashboards - Focus on Specific Tech Industry  or Region

- We have developed more than 25 specialised Big Data Analytics Systems and Dashboards:
- Focused on specific industries including DeepTech, AI, Longevity
- Focused of specific regions including UK, EU, US, Switzerland, Gulf, Asia

## www.deep-innovation.tech




18 specialised dashboards on DeepTech, AI, Longevity industries
5 specialised dashboards on UK, EU, Asia, Gulf regions
2 specialised dashboards on the Impact Investment and Philanthropy

## UK Innovation and DeepTech Industry Ecosystem

Profiling Innovation and DeepTech Industry Ecosystem of UK
130,000 companies, 12,000 investment funds, 4 million data points
Investment Trends, Benchmark comparisons with EU, US, Asia

# White Label Solution with AI-Driven Analytics Engine (€100-200,000 / 8 Weeks)

As a negotiable add-on for clients seeking even more sophisticated solutions, we also offer an integrated AI-Driven Analytics Engine to further augment the capabilities of our customized Big Data Analytical Systems and Dashboards.

This solution incorporates pre-trained deep learning models for analytics, SWOT analysis, and smart matching, derived from extensive global databases tuned to the client's ecosystem specifications.

In general, its scope of functionality can be considered as a mix of Pitchbook, CB insights Crunchbase and Bloomberg terminal.

www.deep-innovation.tech/dashboard-constructor

DEEP KNOWLEDGE ANALYTICS

# Deep Knowledge Analytics SaaS Products

*Document Intended Exclusively for Qualified Professional Counterparties*

# Deep Knowledge Group SaaS Platforms

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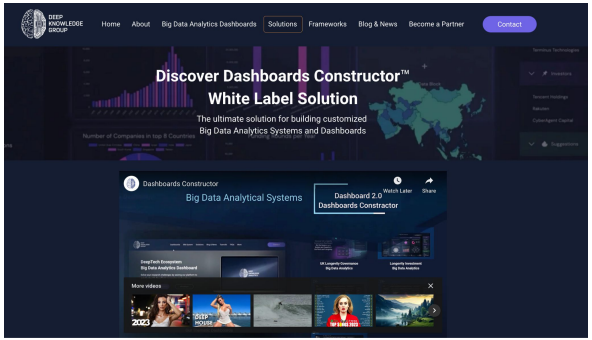
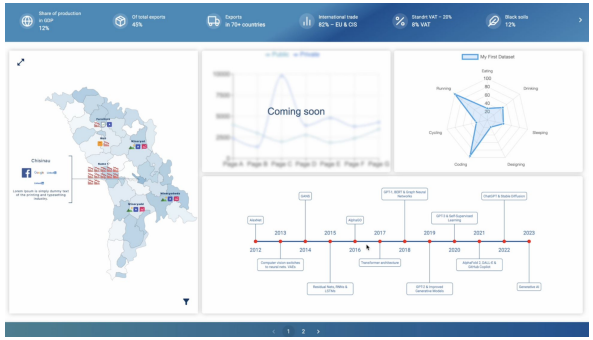
## Dashboard Constructor Version 3.0

Dashboards Constructor™ is a cutting-edge, fully customizable white label solution designed to help businesses like yours create stunning, interactive dashboards for business needs. With its user-friendly interface and powerful features, you can now effortlessly deliver data-driven insights.

**www.deep-innovation.tech/dashboard-constructor**

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## Geo Dashboard Constructor

The Geo Dashboards Constructor is a state-of-the-art tool for creating and customizing interactive dashboards efficiently. It integrates maps, graphs, and other data visualizations into a single, cohesive interface. It's a software designed specifically for customizing dashboards for geographical data visualization and analysis. Users can easily select components to build dashboards tailored to their needs or project specifications.

**www.link**

# Deep Knowledge Group SaaS Platforms

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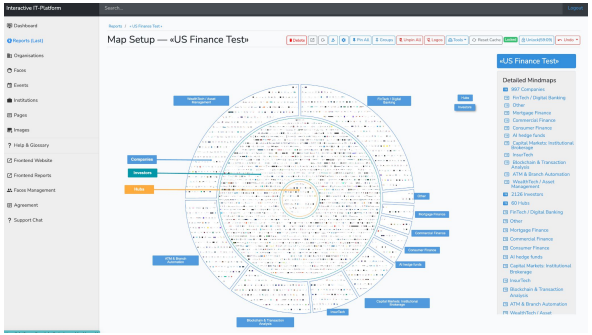
## Interactive MindMap

The Mindmaps Service is an innovative tool for creating and customizing mindmaps with exceptional flexibility.  Notably, the tool stands out with sector-specific segmentation, allowing users to analyze and visualize data within specific industry sectors for a more detailed perspective. Additionally, it enables the integration of various entity types in a single mindmap, offering valuable insights into complex business relationships and ecosystems.These advanced features make it invaluable for detailed data analysis and visualization.

**https://www.deep-innovation.tech/mindmaps-constructor**



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## Benchmark Interactive Tools

DKG's Benchmark Tool Pyramid is a powerful and flexible tool for data visualization and benchmarking in the oncology sector. It offers users the choice between 2D and 3D visualization for a comprehensive view of data. What sets DKG apart is its user-friendly Admin Panel, which facilitates customization through JSON file editing. his combination of user input capabilities and a robust Admin Panel makes DKG's Benchmark Tool Pyramid a standout choice for tailored benchmarking and data visualization needs.

**https://www.deep-innovation.tech/benchmark-interactive**

# Deep Knowledge Group SaaS Platforms

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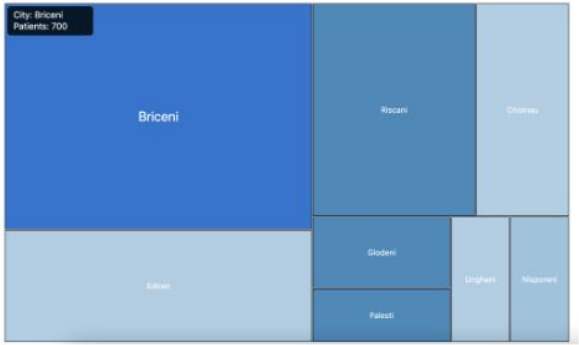
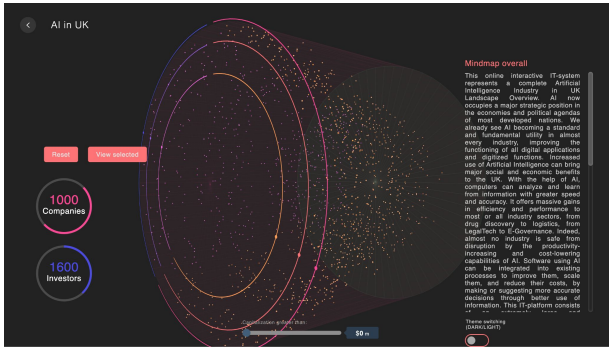
## Complex Frameworks

DKG's Complex Frameworks  tool is a sophisticated platform for understanding complex relationships and data evolution. The primary visualization area showcases interconnected nodes and paths that represent data entities and their relationships. A timeline slider empowers users to explore data evolution across different years with real-time updates. Interactivity is a key feature, allowing users to select nodes and paths for detailed insights.

https://www.deep-innovation.tech/complex-frameworks

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## 3D Multidimensional Space

3D Multidimensional Space offers an innovative approach to visualizing complex data connections and hierarchies. It utilizes a cylindrical three-dimensional structure to represent entities, distinguishing between companies, investors, and funding rounds with distinct colors. What sets DKG apart is its Special Slider Filter, allowing users to filter visible entities based on specific criteria like capitalization or date ranges. The tool promotes interactive exploration, enabling users to zoom in on nodes for detailed information and providing panning and rotating features for comprehensive analysis.

https://www.deep-innovation.tech/3d-space

# Deep Knowledge Group SaaS Platforms

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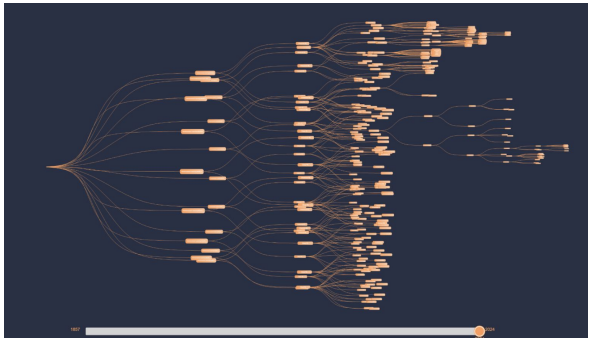
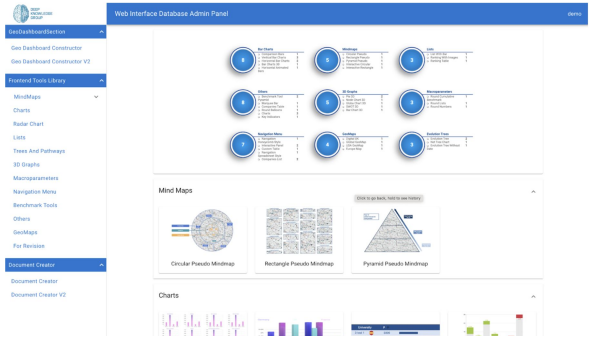
## Complex Evolution Trees SaaS

Complex Evolution Trees SaaS, a sophisticated visualization tool designed for creating, managing, and analyzing evolutionary trees across various timescales. It is ideal for historians, biologists, and other researchers who require a visual representation of complex lineage or evolution data.With its intuitive interface and customizable features, users can effortlessly explore and dissect intricate connections within evolutionary data, making it an indispensable asset in uncovering the nuances of biological and historical evolution.

**www.deep-innovation.tech/complex-evolution-trees**



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## End-to-End Professional Platform System

End-to-End Professional Platform System is a cutting-edge custom tool designed to elevate businesses by seamlessly managing libraries of advanced visualizations. This comprehensive system boasts a sophisticated front end tool library, a robust database admin panel, and an array of powerful features to enhance data representation.

**https://platform.ecosystem-map.info/admin-panel**

# Deep Knowledge Group SaaS Platforms

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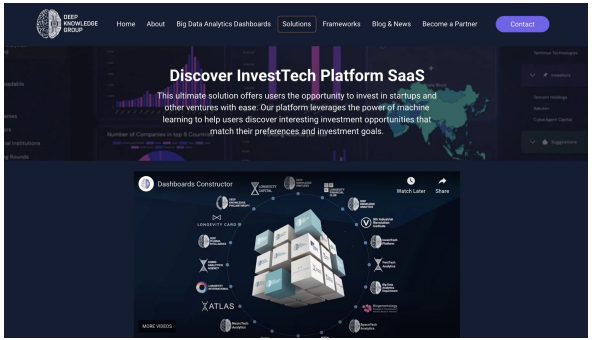
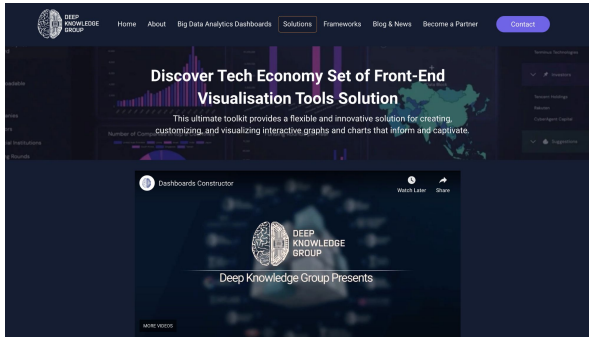
## InvestTech Platform Application 1.0

InvestTech is a SaaS platform that enables users to invest in startups and other ventures with ease. Our platform leverages the power of machine learning to help users discover interesting investment opportunities that match their preferences and investment goals. Whether you're a seasoned investor or a novice looking to get started, our platform provides the tools and insights you need to make informed investment decisions.

**www.deep-innovation.tech/investtech-saas**

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## Tech Set of Front-End Visualisation Tools

Tech Economy Set of Front-End Visualisation Tools is a dynamic suite designed to redefine the way businesses interpret and present data. This cutting-edge tool places interactivity at its core, ensuring that every graph and chart tells a compelling story with a simple click. The seamless integration of diverse data sources empowers users to extract meaningful insights effortlessly. Moreover, its intuitive interface caters to both seasoned analysts and newcomers, fostering a collaborative environment for data-driven decision-making across all levels of expertise.

**https://platform.ecosystem-map.info/admin-panel**

# Contact Us

We are offering our ecosystem mapping services free of charge to a limited number of institutions across government, science, techn, finance and philanthropy.

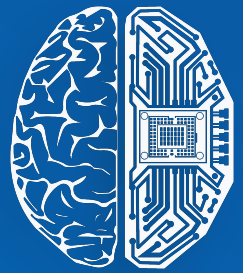
Having worked for 10+ years to develop our expertise, unique track record and proprietary tools, techniques and technologies for mapping professional ecosystems, we are seeking partners keen on using them to boost or foster local innovation.

Whether you have no data, data without a platform, or an existing platform that could benefit from a wider array of interactive, ergonomic and attractive IT and ecosystem mapping and analysis tools and advanced visualization solutions, we have something to offer you.

## How to Order Your Ecosystem Map Today

Submit an ecosystem mapping request at www.ecosystem-map.info

Email us directly at info@dkv.global or info@ecosystem-map.info



# Ecosystem Mapping as a Service

| E-mail: contact@ecosystem-map.info | Website: www.ecosystem-map.info |
| --- | --- |