

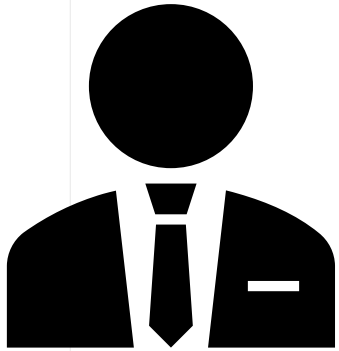
innosabi
a Questel company

innosabi Insight

Technology Landscape
For Innovation Decision Makers

TECHNOLOGY LANDSCAPE

Need



Senior Scientist
Marketing Analyst
Innovation Manager

We track consumer needs and desires, requiring to quickly **learn** and determine which space to pursue.

Thus, why we need to **explore** new subjects several times a year.

Our objective is to **report information** by providing comprehensive overviews of technologies and industries: **forecasts**, **trends**, players and publications.

Everything starts with keywords related to the opportunity


▼ Input


 BETA

artificial intelligence

Add suggestions 10

+



 Add a new concept

> Filters

> Resume

Cancel my search

Launch my search

TECHNOLOGY LANDSCAPE

Refine your search query

Find synonyms and/or specific terms to improve your search.

Scientific articles are a great source to identify additional keywords.

Data Screening

Scientific Works		
Title	Type	Publication year
Artificial Intelligence from the Point of View of Law	Journal Article	2018
<div>Abstract</div> <div>Artificial intelligence technologies are developing intensively today, including due to the development of technologies of stable neural networks and cloud computing infrastructures, fuzzy system technologies, entropy administration, swarm intelligence, evolutionary computations, and many others. etc. At the same time, the problem of almost complete absence of normative legal regulation and normative technical regulation of the foundations, conditions and features of development, functioning and activities, integration into other systems and control over the use of artifici...</div> <div>Authors</div> <div>Igor V. Ponkin , Alena I Redkina</div> <div>Open</div>		
Artificial Intelligence as a Technological Innovation to Accelerate Economic Development	Journal Article	2019
Striving for excellence in AI implementation: AI Maturity Model framework and preliminary research results	Journal Article	2019
Artificial Intelligence : from Research to Application ; the Upper-Rhine Artificial Intelligence Symposium (UR-AI 2019)	Journal Article	2019
[Only artificial intelligence can heal us? : Artificial intelligence in medicine as deus ex machina, grands recits nouveaux or super...	Journal Article	2019

Artificial Intelligence from the Point of View of Law

Type :
Publication date:
Base:
Language:
Full text link:

Journal Article / Unknown
2018
Doaj
English
<https://doaj.org/article/d7aaa9...>

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Abstract

Artificial intelligence technologies are developing intensively today, including due to the development of technologies of stable neural networks and cloud computing infrastructures, fuzzy system technologies, entropy administration, swarm intelligence, evolutionary computations, and many others. etc. At the same time, the problem of almost complete absence of normative legal regulation and normative technical regulation of the foundations, conditions and features of development, functioning and activities, integration into other systems and control over the use of artificial intelligence technologies is global today. The Article is devoted to the study of the specifics of the legal regulation of the use and development of artificial intelligence. Some approaches to the definition of artificial intelligence and the features of legal regulation of this sphere, which take place in the scientific literature, are considered and the author's definition of artificial intelligence is developed and given through the disclosure of its main features. In particular, according to the proposed definition, artificial intelligence is an artificial complex cybernetic computer-software-hardware system possessing the properties of substantivity, autonomy, and also the ability to perceive and analyze data, to self-learn. The question of positioning the artificial intelligence system as a special form of person (for example, the so-called «electronic person»), that is, granting it a certain legal personality depending on various factors and the field of application of such a system, is considered in this article. The article also notes the main possible approaches to legal support for the use and development of artificial intelligence systems, in particular, such approaches include the preemptive universal-total legal regulation and legal regulation aimed at the regulation of specific artificial intelligence systems. The main risks and uncertainties associated with artificial intelligence (and which are of great importance for the adoption of legislation in this field) have been investigated. There are drawn the conclusions about how to develop legislation on the use and development of artificial intelligence: consistently, taking into account the specifics of areas of its application, as well as balancing the interests of individuals, society and the state with regard to proper security and protection of individual rights, and interests related to the development of innovation for the benefit of the whole society.

TECHNOLOGY LANDSCAPE

Refine your search query

Develop your search query to obtain an accurate landscape of your opportunity

Use the keywords suggestions to refine your search

Type keywords manually if there are not in the suggestions

This screenshot shows the 'Input' section of a search interface. The search bar contains 'artificial intelligence' and 'machine learning'. A dropdown menu is open, displaying suggestions: '+ intelligent', '+ expert system', '+ knowledge representation', '+ learning algorithm', '+ ai technology', '+ computational intelligence', '+ domain knowledge', '+ neural network', and '+ artificial neural network'. A mouse cursor is hovering over '+ neural network'. The interface also includes a 'Boost my search' checkbox, a 'Cancel my search' button, and a 'Launch my search' button.

This screenshot shows the same search interface, but with the dropdown menu closed. The search bar now contains 'artificial intelligence', 'machine learning', and a new manual entry '+ neural network'. A 'Concepts' panel is open on the right, showing 'neural network' and 'neural network model'. The 'Launch my search' button is highlighted in blue.

TECHNOLOGY LANDSCAPE

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TECHNOLOGY LANDSCAPE

Refine your search query

Develop your search query to obtain an accurate landscape of your opportunity

InsightBot provides you with rich information to help you building your search strategy

▼ Input


artificial intelligence

Add suggestions 8


machine learning ✕

neural network ✕


+



☐ Boost my search

 InsightBot


✕



This feature is using OpenAI/ChatGPT. The request is submitted by our Questel servers. No personal information is transmitted to third parties during this process.


Synonyms

AI, machine intelligence, cognitive computing, smart machines, intelligent systems, autonomous agents, robotics, expert systems, natural language processing, neural networks



Description

Artificial intelligence (AI) refers to the simulation of human intelligence in machines that are programmed to think and learn like humans.




Key Definitions

a) Machine Learning: Machine learning is a subset of AI that enables machines to learn and improve from experience without being explicitly programmed.

b) Deep Learning: Deep learning is a specialized form of machine learning that involves artificial neural networks with multiple layers, allowing the system to learn and make decisions on its own.

c) Natural Language Processing: Natural Language Processing (NLP) is a branch of AI that focuses on enabling computers to understand, interpret, and generate human language.

d) Computer Vision: Computer vision involves the development of algorithms and techniques that enable computers to understand and interpret visual information, similar to how humans do.




TECHNOLOGY LANDSCAPE

Refine your search query

Develop your search query to obtain an accurate landscape of your opportunity

▼ Input


artificial intelligence

Add suggestions 8

random forest ✕

+ 3 more

+



machine learning ✕

neural network ✕

Deep Learning ✕

> Filters

> Resume

Cancel my search

Launch my search

TECHNOLOGY LANDSCAPE

Explore

Global trends are outlined using the **Technology Landscape**:

- **Volume:** With 550k patent families and 1M articles, we are dealing with a huge domain
- **Dynamics:** Activity is booming for patent protection and R&D. The amount of investment is important.
- **Technologies:** Neural network & Machine Learning are the mainstream technics.
- **Players:** Chinese entities & US big techs are leading the domain.

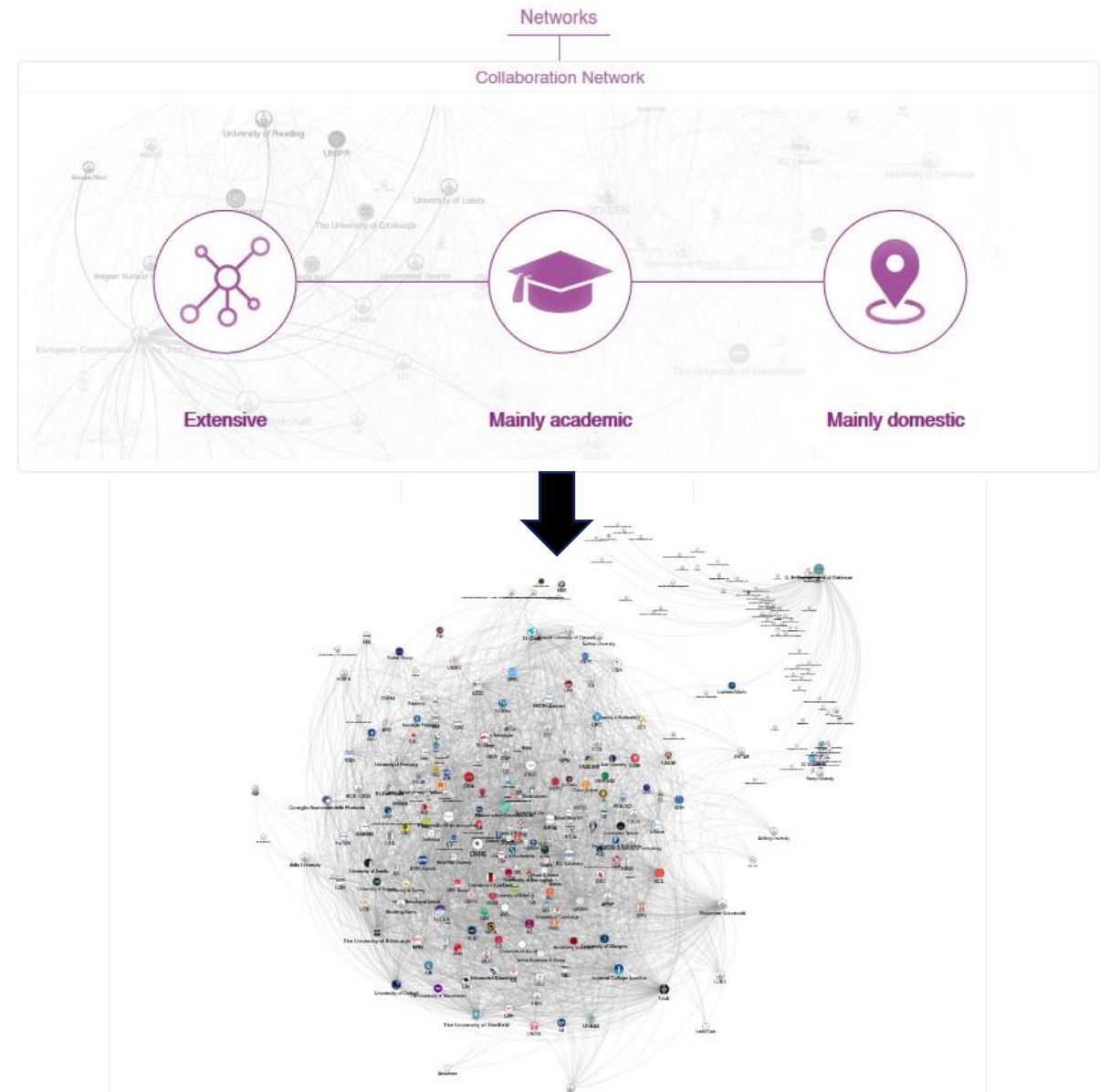


TECHNOLOGY LANDSCAPE

Explore

The collaboration intensity and the type of network (academic, geographic...) help to assess if the domain is willing to pursue open innovation projects and if collaboration is an avenue to access skills and knowledge.

In AI, collaboration is mandatory between people owning the technology and companies ownership of the use cases. No borders exist and entities everywhere are collaborating together.



TECHNOLOGY LANDSCAPE

Forecast

The difference between the volume of patents and the volume of articles – just like the number of institutional R&D projects - informs about the maturity of the topic.

generated using:

💡 550404 inventions

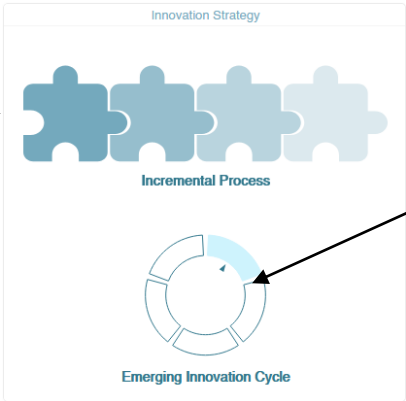
📄 1764382 scientific works

🧠 10263 projects

Innovation metrics visually represent the way innovation is developed on a technology.

The greater the dispersion of IPC/CPC subclasses of the cited patents, the higher the disruption

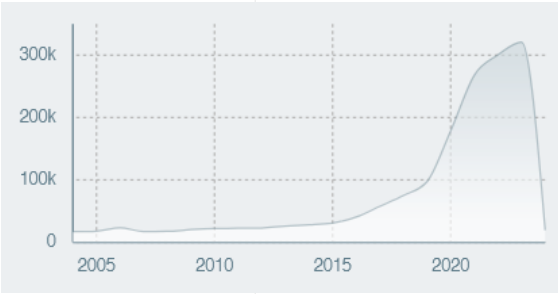
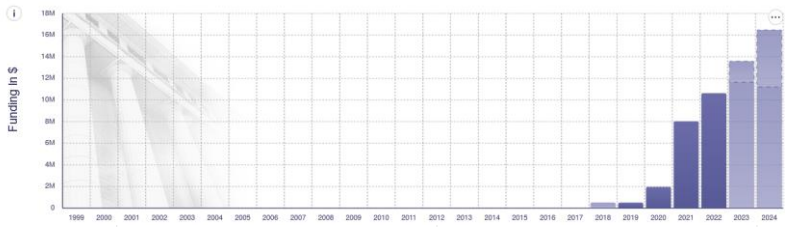
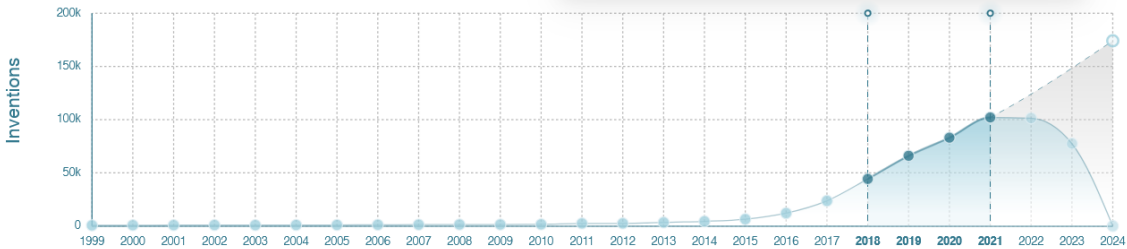
AI is in incremental innovation process



The higher the weight of the main patent holders, the more mature the market

AI is still an emerging technology with a high dispersion of the rights

Dynamics analyses forecast the future trends

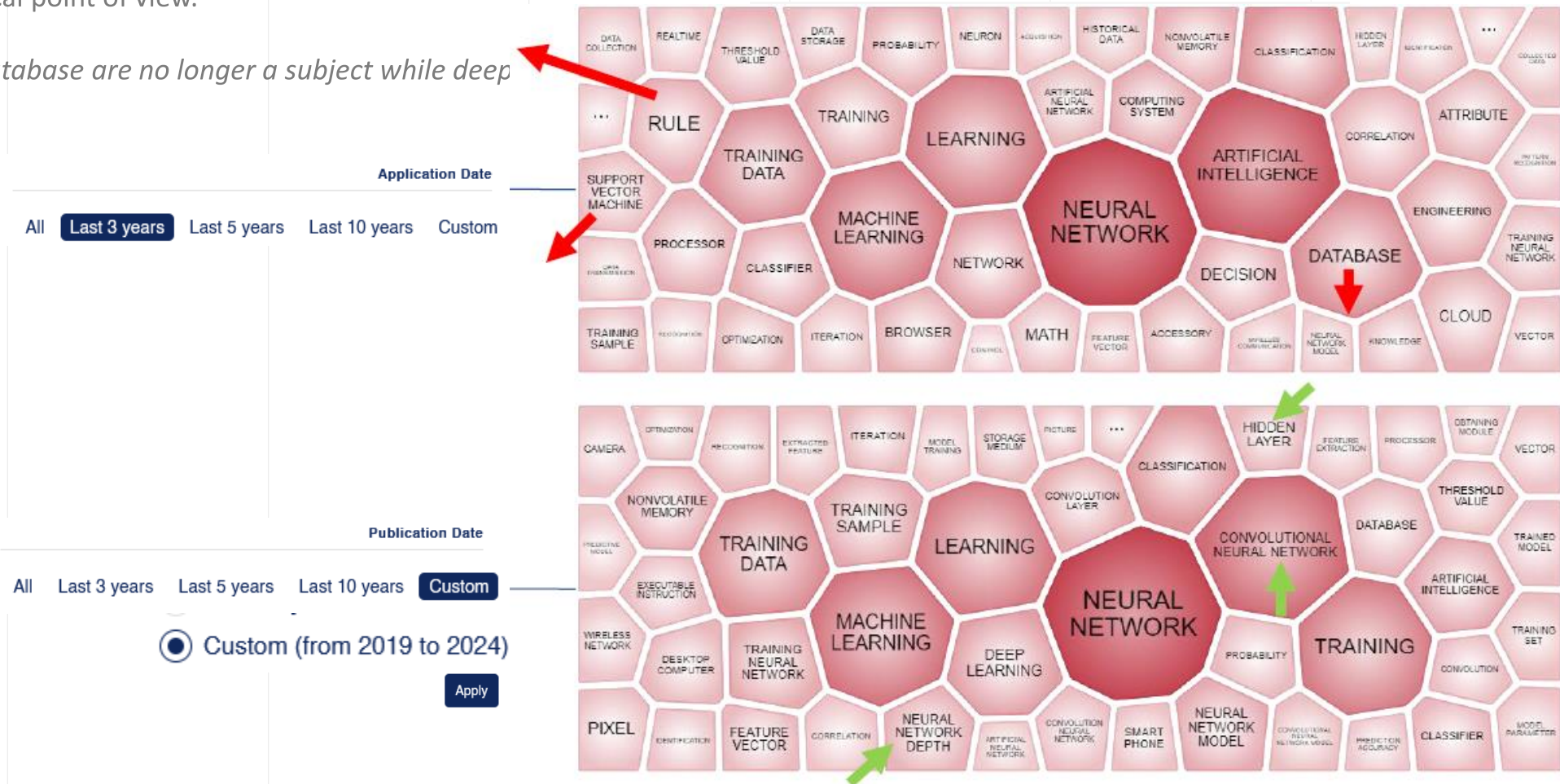


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Learn

Technologies and solutions analyses overtime help to define the bets and new trends from a technical point of view.

SVM and the importance of database are no longer a subject while deep learning is.



TECHNOLOGY LANDSCAPE

Learn

New products and startups are flourishing everyday and reviewing the unstructured data of the web allows to identify description or specification of products and services.

Aarogya Tech is a young health technology startup, specialized in Machine learning for health. AI will be key for the future of health care around the world, it is still a player to be considered.

 293 news

Use display options to refine data visualization

☐ New Offerings

57

☐ Events

33

☐ Regulatory And Legal

24

☐ Robotics

16

☐ Business Expansion

16

☐ Financial Results

15

☐ Negative News

13

☐ Esg

12

☐ Big Data/Analytics

10

☒ Partnerships And Alliances

10

☒ Funding Activities

8

☐ Procurement And Sales

7

☐ Blockchain














5

☒ M&A Activities

4

☐ Awards And Recognitions

4

	Accenture's \$450-million Gen AI pipeline is more than the top 10 Indian IT companies' combined	moneycontrol.com 5 Feb 2024
	Emirates NBD partners with Silent Eight to automate alert disposition	lbsintelligence.com 5 Feb 2024
	Terahertz Technology Market Size Is Estimated To Reach USD 1.89 Billion By 2030 As Revealed In New Report	whatech.com 5 Feb 2024
	Retik Finance bulls eyeing 100x surge in 2024, RETIK to lead the 2024 bull run with Solana and Ethereum	financialexpress.com 5 Feb 2024
	AllHeart Web Inc, Pioneering a Safer Digital Future with Innovative Tech and Strategic Alliances	freepressjournal.in 5 Feb 2024
	Smart Space Market Is Projected To Achieve A Size Of USD 27.23 Billion By 2030 As Revealed In New Report	whatech.com 5 Feb 2024
	Samsung's Galaxy AI in S24 series in China is powered by Baidu instead of Google, and people are hating it	firstpost.com 5 Feb 2024
	KUNA : Kuwait scientific foundation inks cooperation deal with Korean institute	kuna.net.kw 5 Feb 2024
	AU Small Finance Bank partners with IIT Jodhpur for Innovation and Education	education.siliconindia.com 5 Feb 2024
	Accounting merger activity heats up as aging partners eye retirement, firms look for growth	hartfordbusiness.com 5 Feb 2024
	Aarogya Tech Raises \$1.8 Million in Seed Funding round led by Hospitality Magnet Hasu P. Shah to Advance Personalized Health Management	cxotoday.com 5 Feb 2024
	A Review on Low-Dose Emission Tomography Post-Reconstruction Denoising with Neural Network Approaches	pubmed.ncbi.nlm.nih.gov 5 Feb 2024
	Yandex Severs Ties With Russia For \$5.2B	mediapost.com 5 Feb 2024

Aarogya Tech Raises \$1.8 Million in Seed Funding round led by Hospitality Magnet Hasu P. Shah to Advance Personalized Health Management

CXToday News Desk 4 hours ago



Aarogya Tech, an innovative health technology startup headquartered in US with operations in Bengaluru, announced today it has raised \$1.8 million seed funding round, with \$1.5 million in fresh capital led by Mr. Hasu P. Shah, founder and Chairman Emeritus of Hersha Hospitality Trust, who will be joining the Aarogya Tech Board. The niche startup provides scalable clinician-led, data-based personalized health management at home and community to aid in disease prevention and early diagnosis of disease with the vested interest of improving population health, quality of life and longevity.

The infusion of new funds will accelerate product development, fortify the analytics, and machine learning team, and scale up the company's product and growth teams to 20+ in Bengaluru.

AarogyaTech

PRE ORDER

Your Complete Health Companion

A digital platform to improve health care access and monitoring at every home to delay the onset and progression of chronic disease

PRE-BOOK NOW



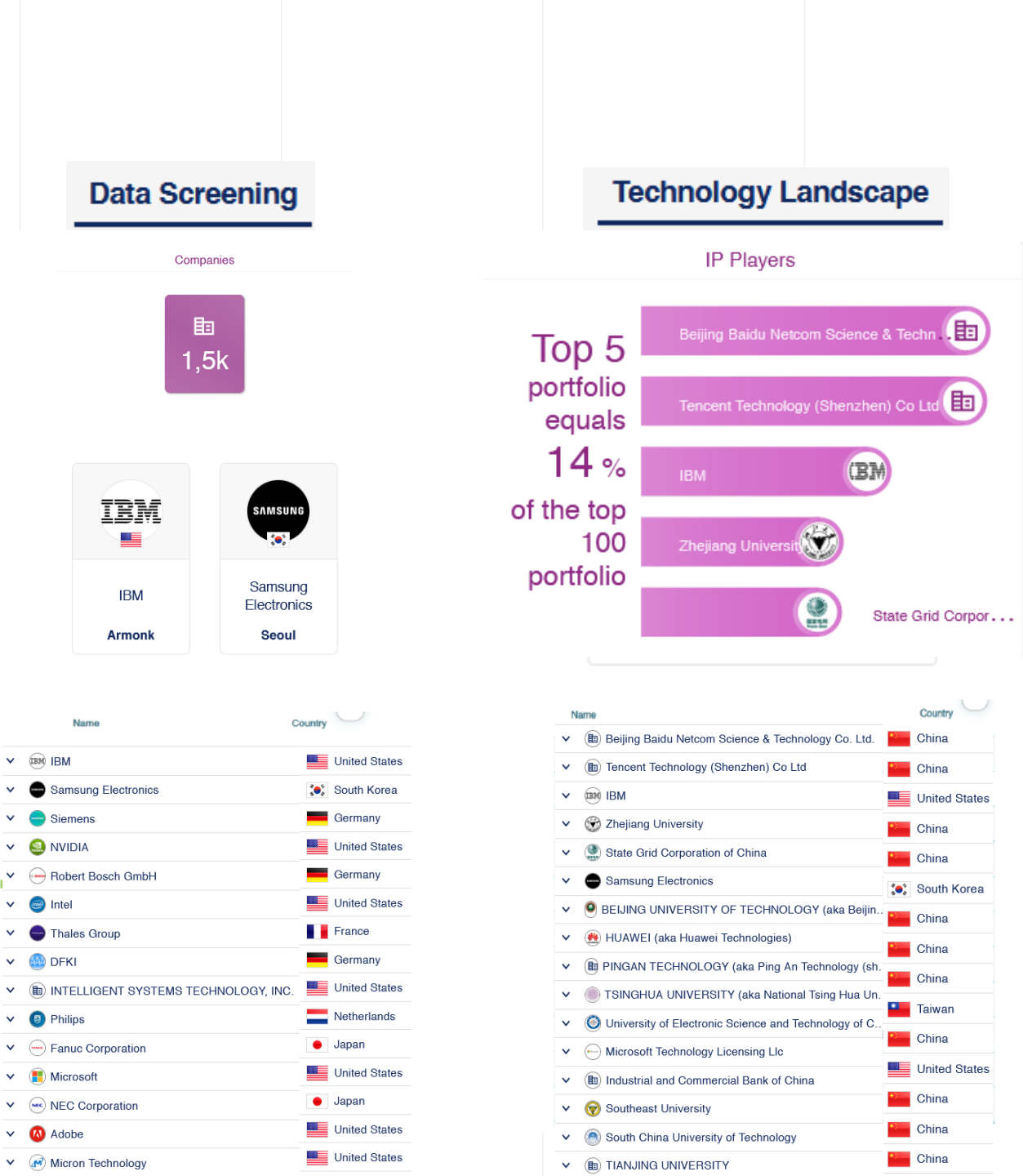
TECHNOLOGY LANDSCAPE

Learn

The best companies are the most impactful ones on the ecosystem and are ranked according to our algorithms.

This ranking helps to get an objective third-party opinion and focus on some players for rational reasons.

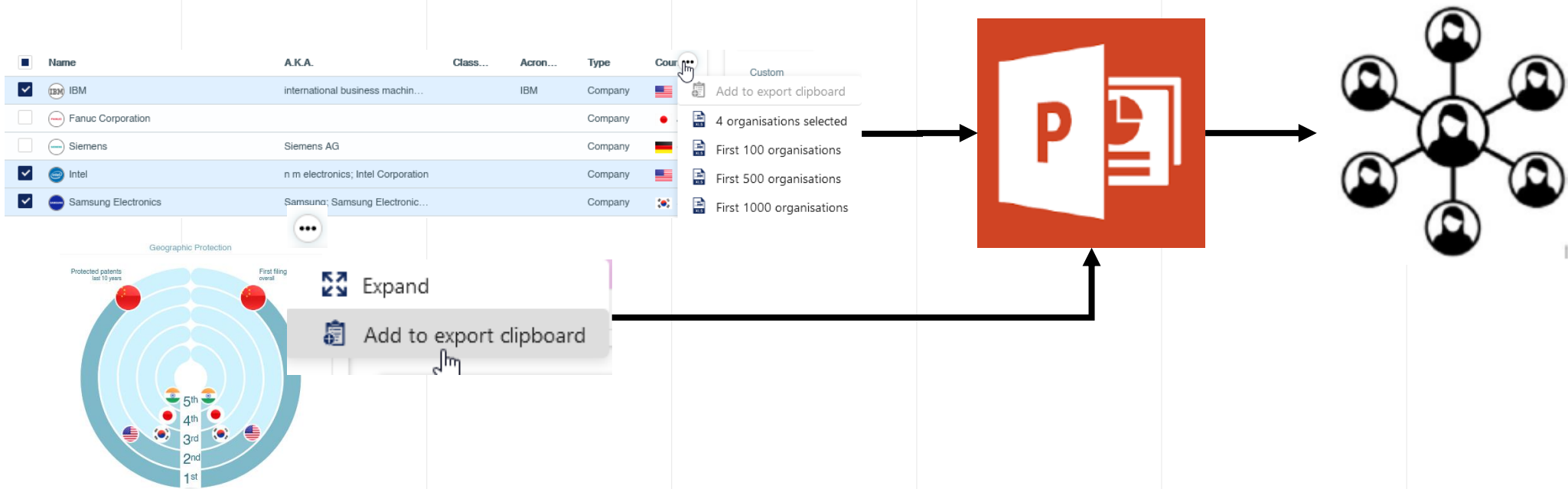
For patents, the volume of production for the Chinese universities position them as dominant. However, when other innovation components are considered, we see a large domination of the US bigtechs, especially IBM and Google. Chipmakers are not far behind, like Intel and Samsung.



TECHNOLOGY LANDSCAPE

Report

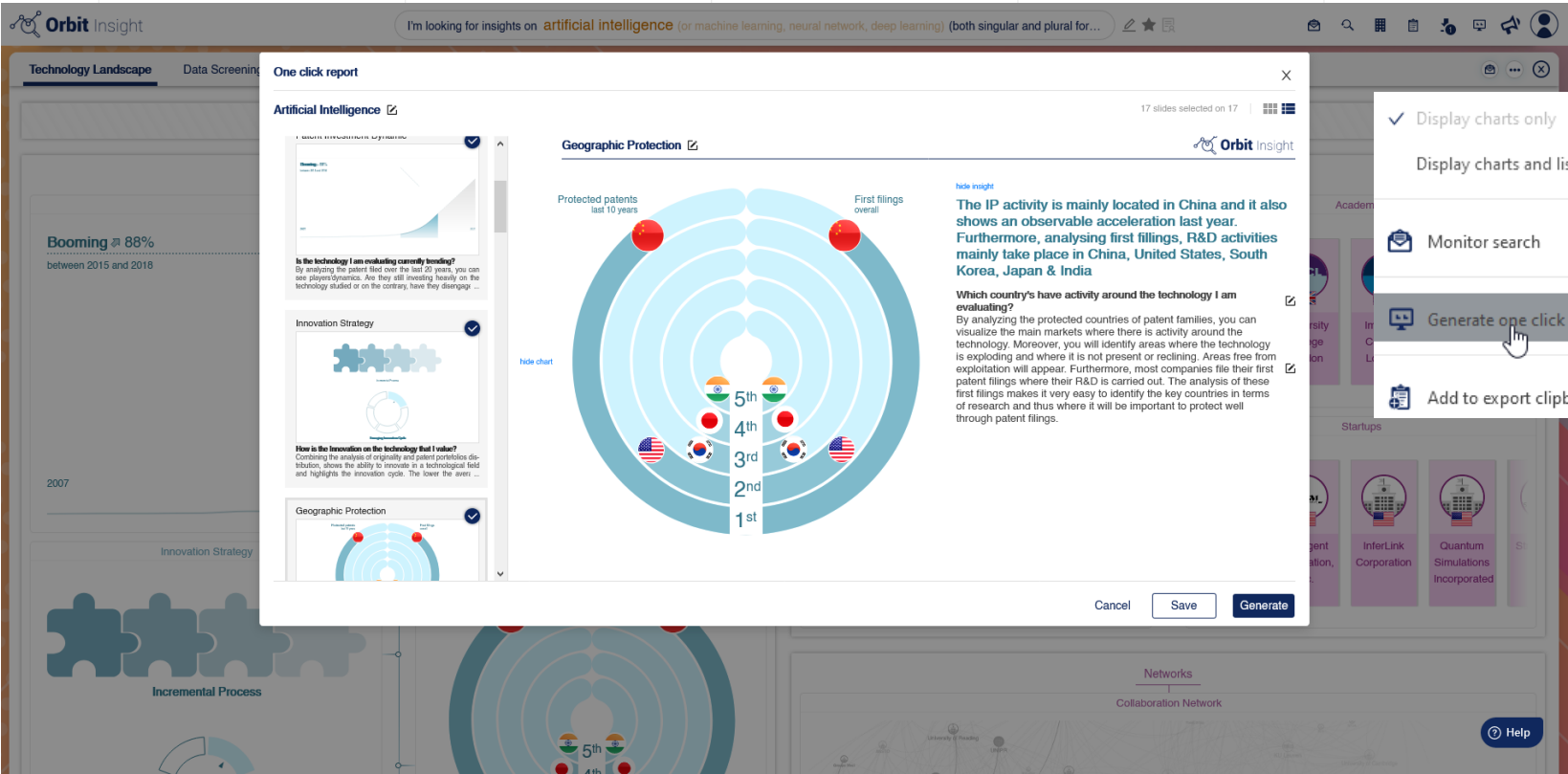
All charts and data can be exported as a picture or an Excel spreadsheet : It means data can be manipulated and reports can be shared with management or team mates in the company.



TECHNOLOGY LANDSCAPE

Report

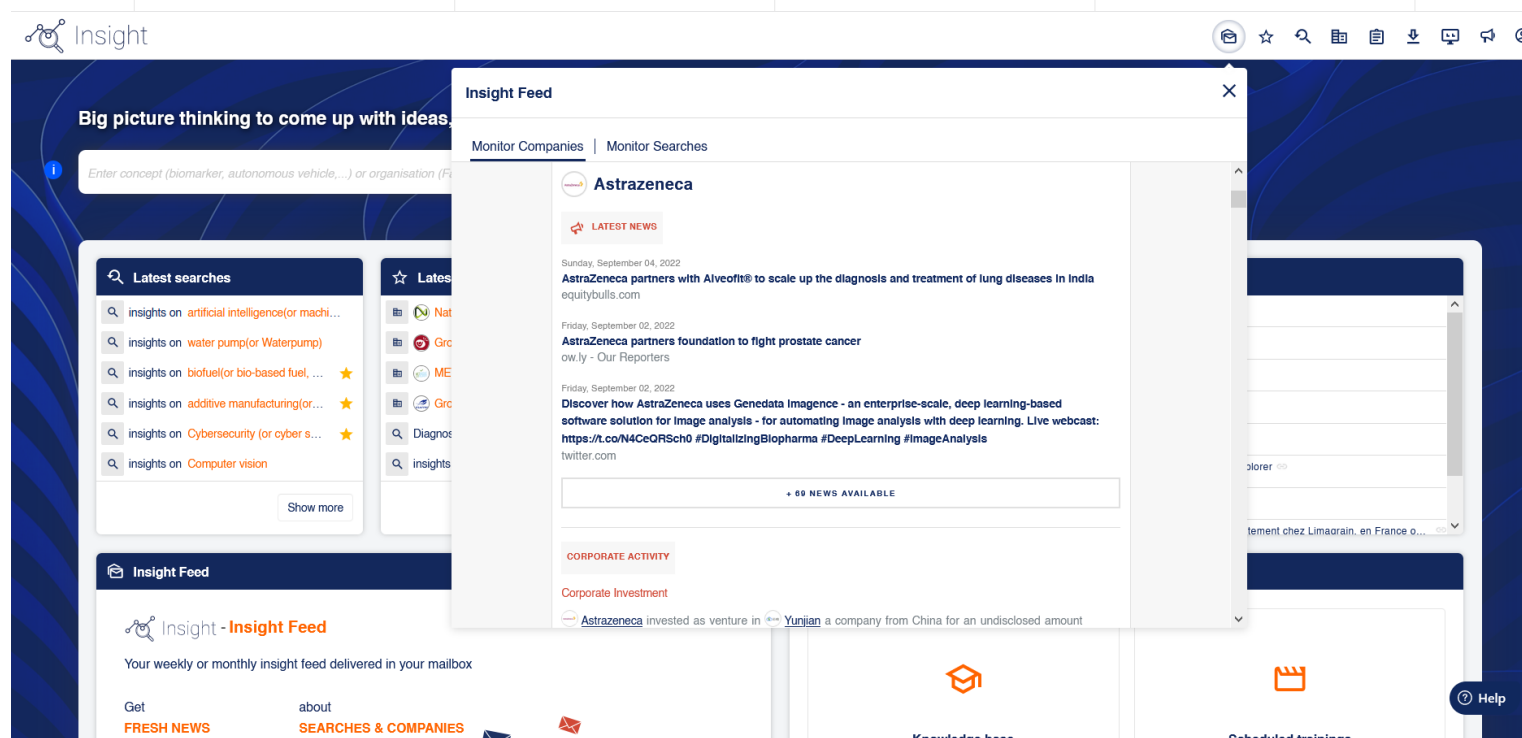
Generate attractive and comprehensive reports



TECHNOLOGY LANDSCAPE

Watch your Ecosystem

What is the latest news? The latest funding or M&A? The last patents filed or collaborations that are taking place?... Get **competitive insights** automatically and receive weekly or monthly directly in your mailbox





We provide the tools.

You create the future.

So what are you waiting for? Get in touch and ask for a personal demo or talk with one of our experts to find out how innosabi can help you.

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help@questel.com

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