Cloud GIS

Patent Landscape Report

Sample

This sample report showcases a landscape of advancements in Cloud GIS technology by analyzing 4963 patent from 2010 to 2025.

WWW.STIMAnalytics.ai

STIM ANALYTICS

INNOTECH

Table of content

Executive Summary

This sample report showcases a landscape of advancements in Cloud GIS technology by analyzing 4963 patent from 2010 to 2025. The analysis reveals:

Explosive Growth

Patent filings in Cloud GIS increased fourteenfold over the last 14 years, peaking in 2023 with 700+ new patents.
88% of all patents were filed since 2015, with 1,497 pending—signaling strong momentum ahead.

Geographic Dominance

The United States leads with 3,398 patents, followed by China with 998; together they account for ~88% of all filings.

Europe shows steady but smaller growth, while other jurisdictions (e.g., Australia, Canada, Japan) contribute to a lesser extent.

Technology Focus

Core focus areas include geospatial data processing, real-time analytics, ML/AI integration, remote sensing, 3D visualization, and location-based services.

Supporting themes span big-data integration and data security/privacy to handle large-scale, sensitive geospatial datasets.

Market Potential

The global Cloud GIS market was ~$891M (2023) and is projected to reach ~$3.30B by 2033 at ~14% CAGR.
North America holds the largest share today, with APAC growing fastest on urbanization, infrastructure, and smart-city investments.

Methodology

The methodology employed in this report integrates AI-driven data analytics, machine learning algorithms, and expert human analysis, thereby ensuring a thorough and precise assessment of patent trends within this technology sector.

Data Collection

The analysis initiates with the collection of patent metadata from reputable global patent databases, including:

- WIPO PATENTSCOPE (World Intellectual Property Organization)
- Lens.org
- USPTO (United States Patent and Trademark Office)
- EPO (European Patent Office)
- National Patent Offices

These datasets encompass structured metadata, including patent titles, abstracts, claims, classifications (e.g., IPC, CPC), applicants, publication dates, citations, and legal status.

AI & Machine Learning Analysis

Using proprietary artificial intelligence (AI) and machine learning models developed by STIMAnalytics, the acquired patent data undergoes the following processing stages:

- Text Mining and Natural Language Processing (NLP): Extracting critical technical terms, concepts, and innovation themes from patent documents.
- Clustering and Classification: Categorizing patents into relevant technological groups and subgroups.
- Trend Analysis: Identifying growth trajectories, emerging technologies, and shifts in innovation focus over time.
- Network Analysis: Mapping interrelationships among applicants, technologies, and jurisdictions.
- Predictive Insights: Forecasting future technological advancements and market trends based on historical and contemporary patenting activities.

Reporting Infrastructure

The analytical results are subsequently integrated into a robust reporting infrastructure, which autonomously generates structured reports and interactive dashboards. These outputs are further enriched with:

- Visual Analytics (charts, graphs, maps)
- Strategic Insights
- Technology Roadmaps
- Company and Academic Profiles

Expert Review

Finally, all reports undergo a rigorous quality assurance process conducted by domain experts and technical editors to ensure:

- Accuracy of technical interpretation
- Consistency in terminology and classification
- Relevance of strategic insights
- Professional formatting and readability

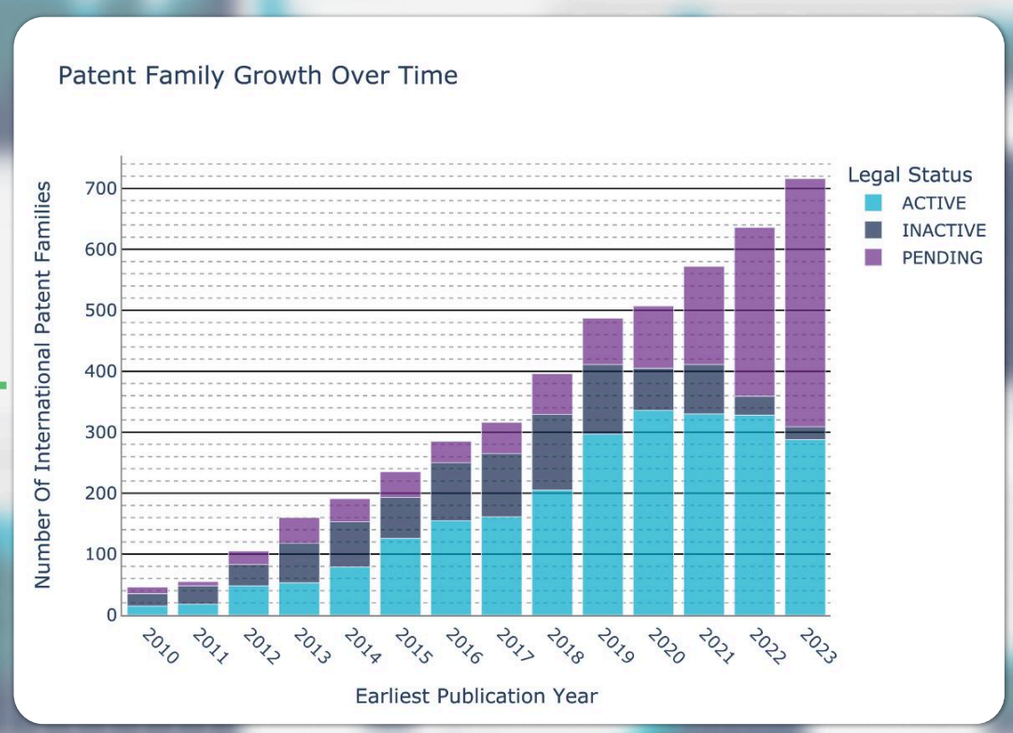
Delivery Formats

The final outputs are delivered in two formats:

- Written Report (PDF): A comprehensive, publication-ready document featuring executive summaries, technology breakdowns, market insights, and key player profiles.
- Interactive Dashboard: A web-based platform enabling users to explore patent trends, filter by technology, applicant, jurisdiction, and time period, and generate customized reports.

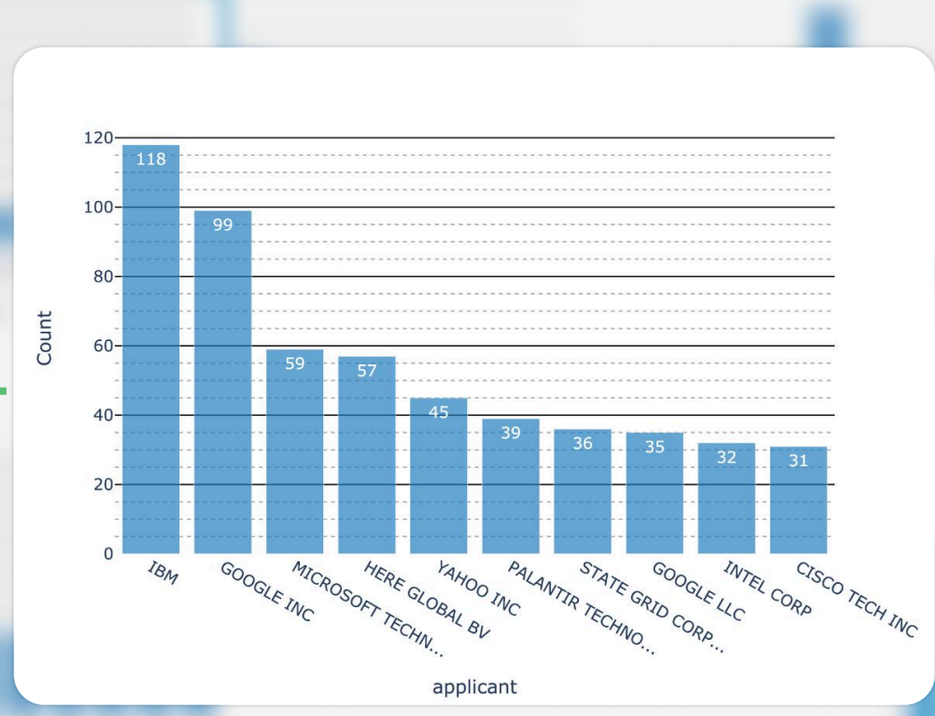
Technology Trends

Patent Landscape Overview



This chart reveals a consistent rise in international patent families since 2010, with a sharp increase in pending patents from 2020–2023, signaling a wave of emerging innovations currently under evaluation.

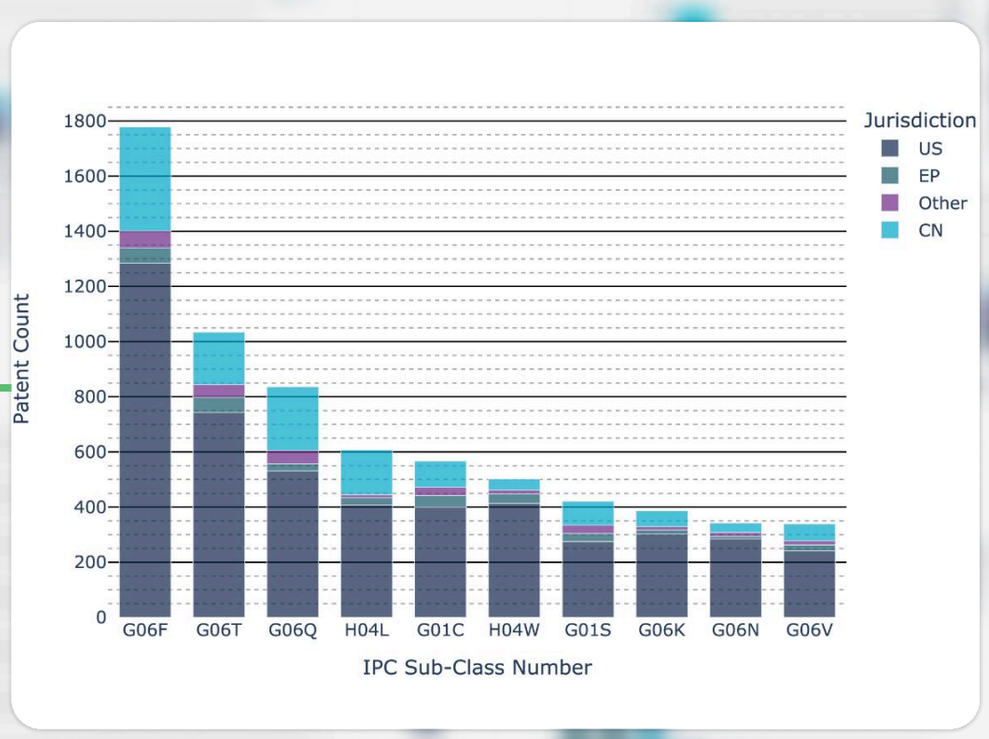
Top Patent Applicants



This chart shows IBM and Google leading in smart tech patents, reflecting strong innovation in data and AI. Other tech giants like Microsoft, Yahoo, and Intel follow with consistent patent contributions.

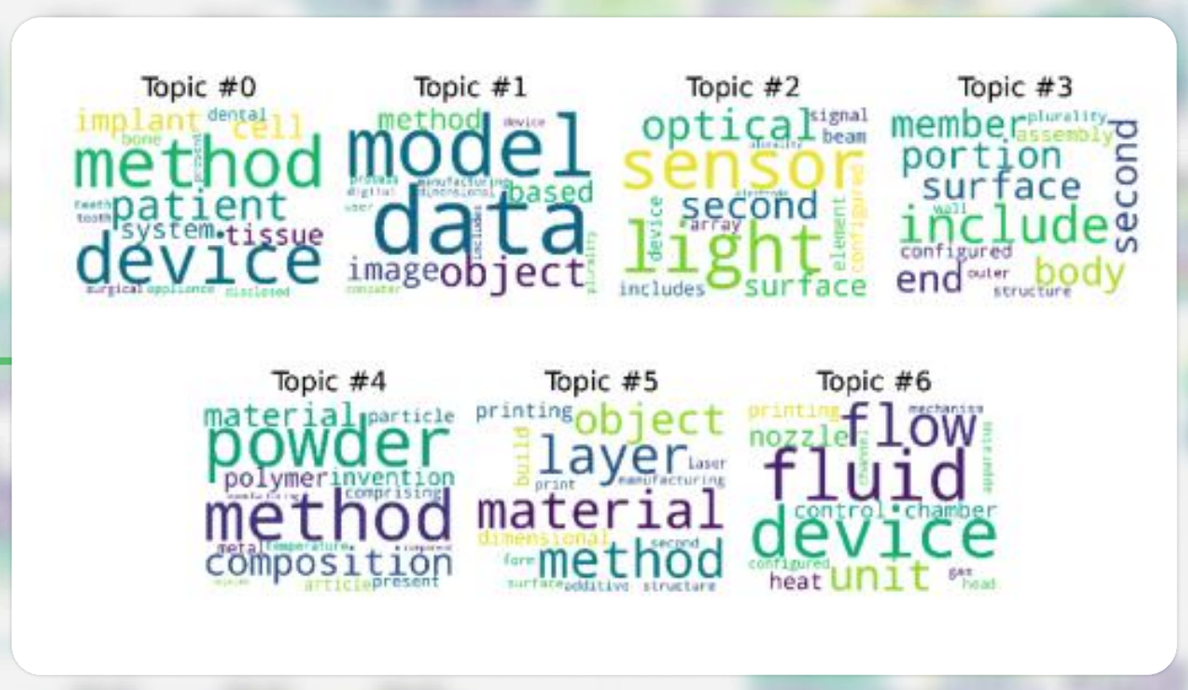
Technology Trends

Top Technologies by Sub-Class



This chart highlights patent activity in software and digital technologies. The U.S. dominates across categories like data processing (G06F), network tech (H04L), and AI-related fields, with China also emerging as a strong contributor.

Key Patent Themes



Strategic Recommendations:

Policy Makers

1. Focus on fostering innovation in high-growth sectors.
2. Encourage investments in sustainable technologies.
3. Support industry-specific research and development initiatives.

Investors

1. Prioritize companies with strong intellectual property in emerging technologies.
2. Monitor the latest advancements in new industrial applications and sectors.

Manufacturers

1. Embrace new technology adoption to improve operational efficiency.
2. Invest in scalable solutions for long-term growth.
3. Focus on sustainability and circular economy practices.

Our Industrial Expertise

Energy

Exploring innovations in the oil, gas, electricity, and renewable energy sectors.

Chemical

Advancing chemical processes, products, and catalysts for industrial applications.

Health and Pharma

Analyzing new pharmaceutical products, health services, and medical technologies.

ICT & Software

Examining trends in information and communication technology, software, and hardware.

Mining Industry

Investigating improvements in iron, steel, aluminum, copper, and other related industries.

New Materials

Researching advancements in advanced materials, nanotechnology, and their applications.

Our Global Allies

Cloud GIS

Patent Landscape Report

Buy Now

www.STIMAnalytics.ai

sale@stimanalytics.ai

Dubai, UAE +971557797834