

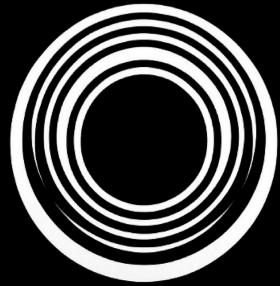


ORION.AI

www.ifforesight.com

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ORION.AI

Scanning & Intelligence

ORION.AI is a strategic foresight and intelligence platform that offers the capability to capture, identify, categorize and make sense of a multitude of drivers of change, insights or signals in the global and business environment and use those as accelerators of future-oriented strategies and transformation journeys.

It operates by synthesizing data from the structured database 'ORION.AI Scanning & Intelligence' and integrating this with the expansive knowledge of ORION.AI in delivering sophisticated and insightful trend analyses, making it an invaluable tool for strategic foresight and intelligence.

A Holistic View to the Future

At the core of Strategic Foresight is the commitment to a holistic approach, irrespective of the issue or strategic focus under exploration or analysis. This comprehensive perspective is vital for an in-depth understanding of potential futures.

We use comprehensive frameworks like PESTLE (Political, Economic, Social, Technological, Legal, Environmental) that serve as compasses, guiding us to consider a spectrum of broad themes crucial for any future-oriented exploration.



A Global Future Landscape

Scanning is founded upon this principle of holistic and extensive approach to the future, but we don't just look at isolated trends or singular dimensions; instead, we strive to interconnect various strands of insights to construct a multidimensional view of what the future might hold.

Our database's initial layer offers a window into the "Megatrends" shaping our world. These major global forces, resulting from diverse global forces, provide a macro view of developments and changes, essential for understanding the global future landscape.



Megatrends Deep Dives

Megatrends, while familiar, offer insights into broad changes that can be narrowed down by focusing on more detailed trends and signals.

<h3>Economy Dynamics</h3> <ul style="list-style-type: none"> Trade and Investment in a Volatile Economy Circular Economy Gig Economy and Freelancing Impact of AI on Economic Structures Global Economic Imbalances Open Finance/Banking Illicit Economy ... 	<h3>Changing Mobility Paradigms</h3> <ul style="list-style-type: none"> Electromobility Mobility as a Service (MaaS) Road to Autonomy Smarter Infrastructure for Mobility The new Space Race Privacy and Data Protection Drone Warfare and Autonomous Weapons ... 	<h3>Business Ecosystems & Networks</h3> <ul style="list-style-type: none"> Cross-Industry ecosystems Entrepreneurship Accelerated Digital Marketplaces and Platforms Collaborative Economy and Crowdsourcing Corporate Social Responsibility Agile Governance Empathetic Brands ... 	<h3>Future of Health & Healthcare</h3> <ul style="list-style-type: none"> Telehealth and Remote Monitoring Precision/Personalized Medicine and Therapeutic Health Data Analytics Mental Health Awareness and Technology Digitize me and my health Changing mindsets about health Live Forever (Ageing/NCDs) ...
<h3>New Consumption Patterns</h3> <ul style="list-style-type: none"> Sustainable consumption Conscious Eating Flexible Content Consumption The Sharing Economy Personalization and Customization Radical Transparency Shifts in Travel ... 	<h3>Biotechnology Transformation</h3> <ul style="list-style-type: none"> Biological Process Identification and Modelling CRISPR: Gene Editing at Scale Synthetic Biological Engineering Biosecurity and Dual-Use Concerns Human Optimization Green biotechnology Sustainable Materials ... 	<h3>Digital & Virtual Transformation</h3> <ul style="list-style-type: none"> AI, ML & Data Era Ethical AI and Algorithmic Transparency International Cyber Law and Governance Digital Identity and Trust Augmented & Virtual Reality Quantum Computing Distributed Ledger Technology ... 	<h3>New Individualities</h3> <ul style="list-style-type: none"> Differentiated Lifeworlds LSBTI Inclusion Youth Perspectives Multidimensional Me Next Gen Parenting Digital Identity and Privacy Social Media and Self-Expression Cross-cultural Interactions and Global Citizenship ...
<h3>Changing Nature of Work & Skills</h3> <ul style="list-style-type: none"> Digital Fluency and STEM Skills Automation and Job Redefinition Inclusive Labour Markets Lifelong Learning Pathways New organizations of work Purpose driven work Well-being in the workplace ... 	<h2 style="text-align: center;">+1400 Driving Forces</h2> <h3 style="text-align: center;">(Megatrends, Keytrends & Trends)</h3>		<h3>Changing Geoeconomics & Geopolitics</h3> <ul style="list-style-type: none"> Expanding influence of East and South The battle for democracy intensifies Increasing influence of new governing systems Economic Sanctions and Trade Wars Energy Diplomacy Technology Competition Global Health Diplomacy ...
<h3>Technology Acceleration & Convergence</h3> <ul style="list-style-type: none"> Artificial General Intelligence Ethical Implications of Emerging Technologies Cross-disciplinary Technology Integration Technology & inequality Nanotechnology & Advanced Materials Greater emphasis on understanding technology Robots are becoming scalable ... 			<h3>Globalization</h3> <ul style="list-style-type: none"> Connected World Increasing fragmentation of globalisation Digital Globalization and E-commerce Global Supply Chain Dynamics Cultural Exchange and Globalization Increasing significance of migrations ...
<h3>Cities & Urbanization</h3> <ul style="list-style-type: none"> Urban resilience as a new normal Escalating green action in cities Urban Governance through networks and groups Smart Cities and IoT Integration Urban Agriculture and Food Systems Sustainable Urban Mobility New Frontiers ... 	<h3>Climate Change & Environmental Impacts</h3> <ul style="list-style-type: none"> Anthropogenic Environmental Damage Emerging Regenerative Paradigm Established practices are questioned Negative impacts increase Outside planetary boundaries Climate Migration Environmental Justice and Equity ... 	<h3>Transition to Clean Energy & Energy Reversal</h3> <ul style="list-style-type: none"> Building Energy System Resilience CO2 Capture, Utilization, and Storage Electrification of Everything Energy Storage and Grid Modernization Re-mapping Energy Geopolitics & Governance Sustainable Urban Energy Systems Energy Poverty and Accessibility ... 	<h3>Social Welfare & Inequalities</h3> <ul style="list-style-type: none"> Beyond the Welfare State to Basic Income Fiscal Policies to Support Social Protection Labour Market Participation Reasons for Welfare and Social Protection Weakening of human rights Welfare Models and Critiques Universal Health Coverage ...
<h3>Changing Security Paradigm</h3> <ul style="list-style-type: none"> International Security Peace and Resilience Cybersecurity Disarmament Future battlefields Nuclear Security ... 	<h3>Ageing, Longevity & Demographic Changes</h3> <ul style="list-style-type: none"> Global population is growing An ageing world Ageing Reinvented Financial Security and Ageing Intergenerational Workforce Dynamics Age-friendly Urban Design Healthcare and Long Lives ... 	<h3>Water Challenges</h3> <ul style="list-style-type: none"> Water: our most vital resource Better management of water Clean Water and Sanitation Agriculture and Water Irrigation Water Security and Conflict Urban Water Management Desalination Technologies ... 	<h3>Oceans & Natural Resources</h3> <ul style="list-style-type: none"> Human Well-Being and the Ocean Impacts of climate change on the ocean Emerging Ocean Technologies Deep-Sea Mining and Exploration Access to food Aggravating resource scarcity New sources of resources ...

Megatrends Deep Dives

Business Ecosystems and Networks

Circular Economy and Environmental Sustainability

Cross-Sectoral Value Creation

ESG Investing and Corporate Responsibility

Entrepreneurial Ecosystems and Platforms

Digital Transformation

Industry 4.0 and Smart Manufacturing

Direct-to-Consumer Models

Consumer Personalization and Engagement

Advanced Manufacturing Technologies

Distributed Manufacturing

Sustainable Packaging

Supply Chain Resilience

Agile Governance and Policy Making

Blomanufacturing and 3D Bioprinting

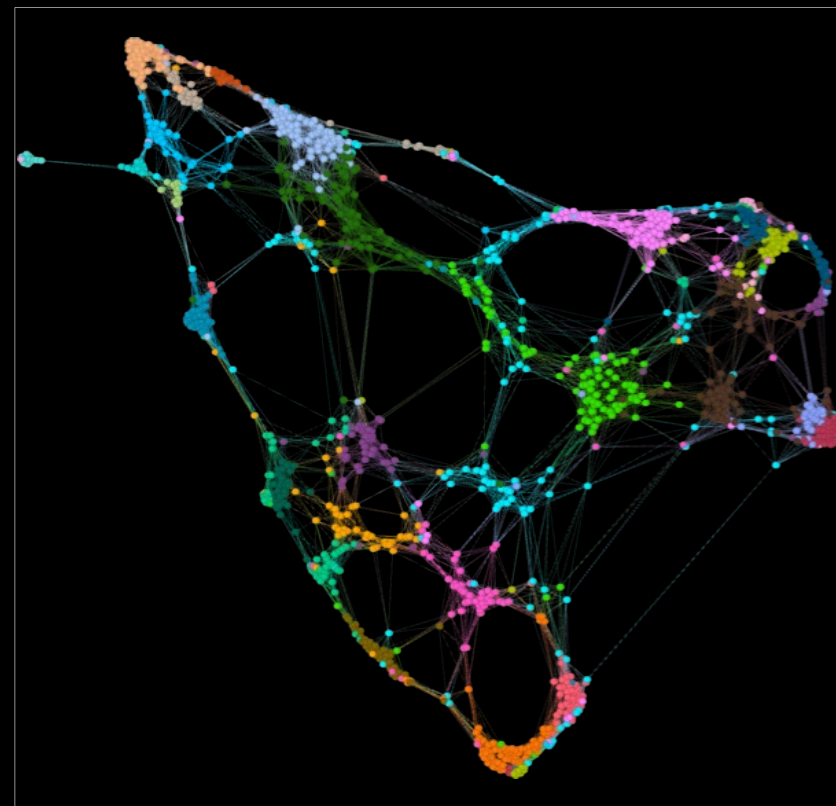
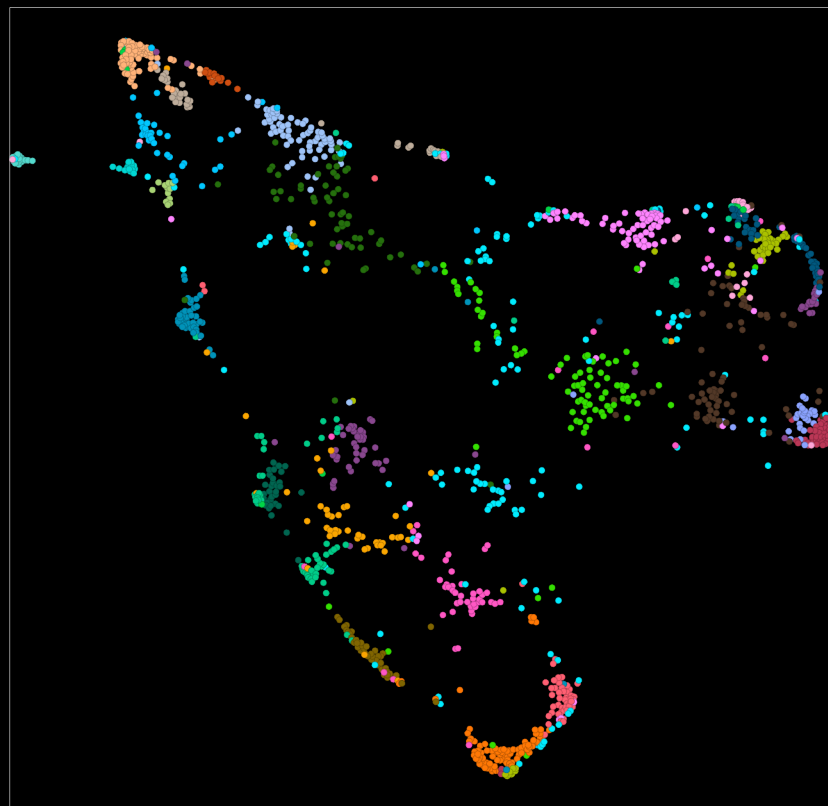
Prosperous Partnerships

Themes & Topics:

- Technological Integration and Innovation
- Platform Economy and Networks
- Sustainability and Social Responsibility
- Market Dynamics and Consumer Relations
- Global Supply Chain and Flexibility
- Collaboration and Stakeholder Engagement
- Innovation in Products and Services

Clusters and Systems of Driving Forces

Our innovative approach harnesses the power of algorithmic clustering and graph-network analysis to organize and understand the intricate world of Megatrends, Trends and other signals of change (including Weak Signals and Wildcards).

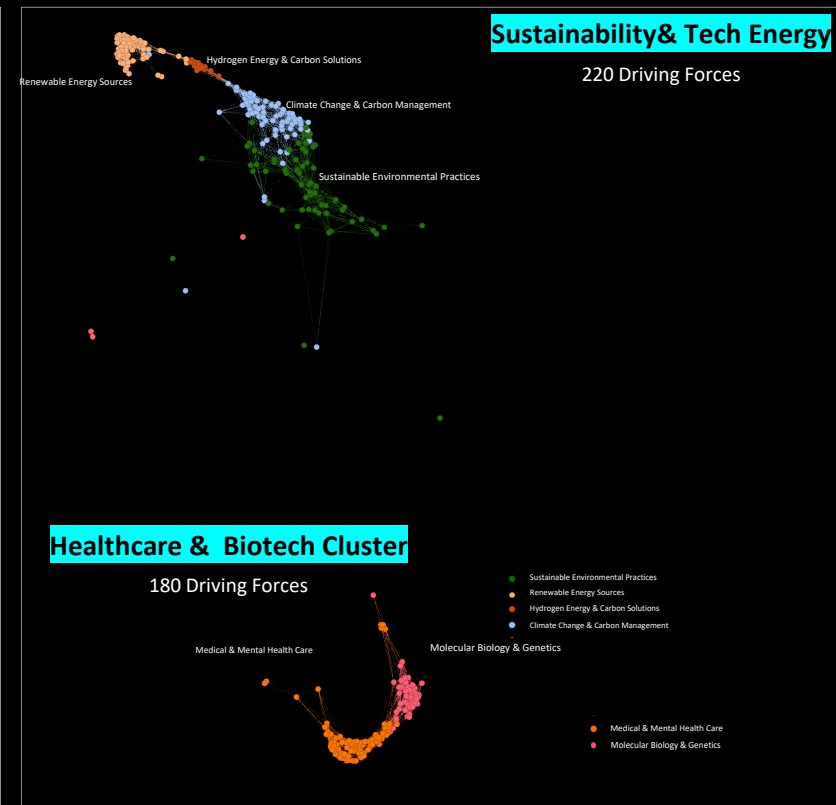
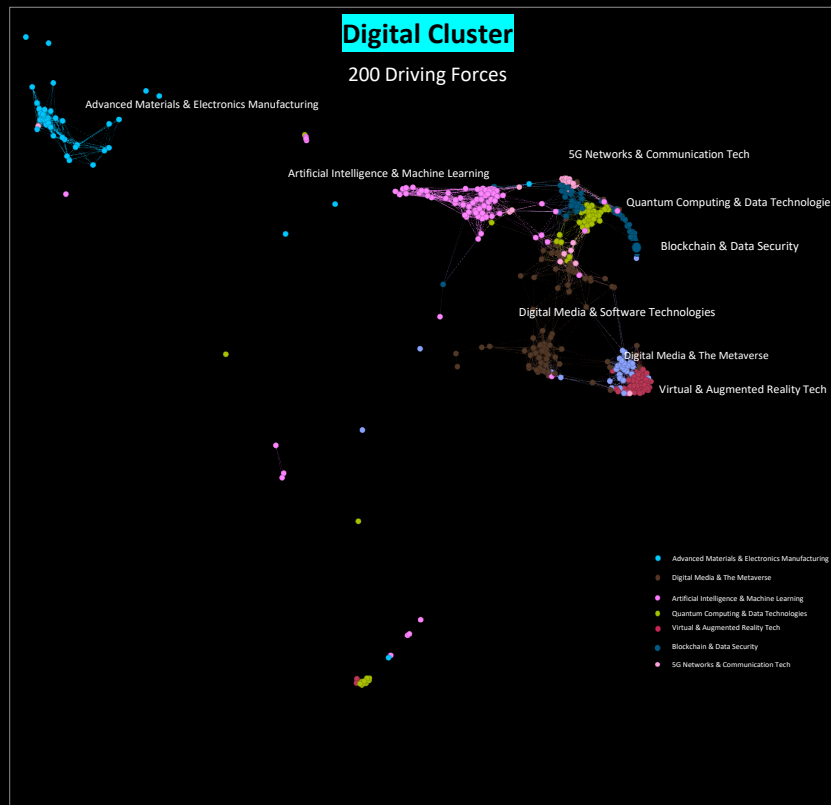


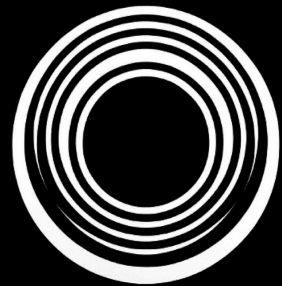
+1400 Driving Forces
(Megatrends, Key Trends & Trends)

- Advanced Materials & Electronics Manufacturing
- Digital Innovations in Travel & Business
- Sustainable Environmental Practices
- Gender Rights & Social Equality
- Medical & Mental Health Care
- Consumer-Centric Business & Marketing
- Energy Infrastructure & Power Grids
- Water Sanitation & Environmental Health
- Digital Media & The Metaverse
- Electric Vehicles & Transportation
- Molecular Biology & Genetics
- Renewable Energy Sources
- Artificial Intelligence & Machine Learning
- Global Trade & Economic Relations
- Quantum Computing & Data Technologies
- Virtual & Augmented Reality Tech
- Hydrogen Energy & Carbon Solutions
- Agriculture, Nutrition & Food Production
- Nuclear Security & Military Proliferation
- Blockchain & Data Security
- Space Exploration & Satellite Tech
- Financial Systems & Banking
- Organizational Psychology & Employee Well-being
- Climate Change & Carbon Management
- 5G Networks & Communication Tech
- Economic Growth & Social Inequality
- Digital Media & Software Technologies
- International Politics & Migration

Clusters and Systems of Driving Forces

This approach allows us to analyze the database comprehensively, focusing our attention on specific clusters or ecosystems, and uncovering blind spots and potential biases that might skew attention towards certain themes while leaving others unnoticed.





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Scanning & Intelligence

Weak Signals & Wildcards

The structured and curated layer of ORION.AI Scanning Database includes not only Megatrends and Trends but also two other categories of driving forces - **Weak Signals and Wildcards** - that are important to scan and analyze when we want to explore the future.

In 1982 Ansoff defined **Weak Signals** as warnings (which can be found inside or outside an organisation), events or developments that due to being incomplete do not allow any type of estimation of their impacts and rigorous answers. He defined a Weak Signal as “A development about which only partial information is available at the moment when response must be launched (...)”

In the 1960s Herman Kahn emphasized the need to think the unthinkable, which is the question to ask when searching for **Wildcards**. These are events or developments that have a very low probability to occur, but that could have massive impacts on a particular system, organization, or society. We can use wildcards to help decision-makers anticipate and prepare for unexpected events.

+22.000 Driving Forces
 (Megatrends, Key Trends, Trends, Weak Signals, Wildcards, Signals*)

ORION.AI Discovery Hub

The second layer of ORION scanning database stands as a testament to our commitment to capturing the pulse of global changes. It is designed for the identification and classification of articles and diverse non-curated information, gathered from a wide array of sources. This dynamic repository is a treasure trove of emerging signals, offering insights into the evolving landscape of global trends and signals of change.

Key Features of our Discovery Hub:

- Extensive Collection
- Rapidly Expanding
- Structured Yet Fluid
- Non-Curated and Diverse
- Systemic, Dynamic, and Networked





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ASSISTANT**

**MEGATRENDS
DASHBOARD**

**ORION.AI
ASSISTANT**

**STRATEGIC FORESIGHT
GenAI ASSISTANT ***



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FUTURES LITERACY
GenAI ASSISTANT

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Futures Literacy Meets Generative AI

We believe that Futures and Foresight Literacy should become part of the core curricula of basic education, universities and business schools.

Futures & Foresight GPT is designed as a Futures Literacy and Strategic Foresight generative AI assistant developed by IF Insight & Foresight.

Individuals and organization need these Provides in-depth analysis of the most



Futures & Foresight



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**MEGATRENDS
DASHBOARD**

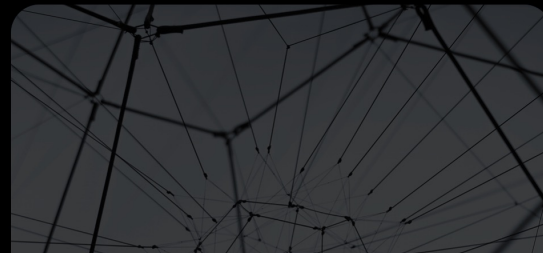
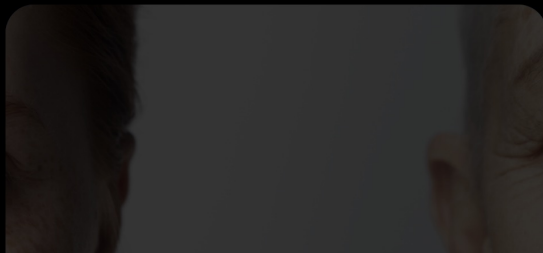
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Upgrade

Megatrends

Megatrends are long-term global driving forces that offer insights into broad changes that can be drilled down by exploring more detailed trends, signals of change and tensions.





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Upgrade

A scanning and intelligence assistant powered by Gen AI, offering the capability to improve and accelerate future-oriented strategies and transformation journeys.

Features at a Glance

Search

Deep dives

Strategic conversations

Patterns and Trends

Radars & Dashboards

Clusters & Systems

Search and describe megatrends, key trends, and trends across themes and industries included in the ORION Database.

Prompt Starters:

- Present the 20 Megatrends for the Future.
- Identify key trends affecting the global geo-economic landscape.



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**Strategic Foresight
GenAI Assistant ***

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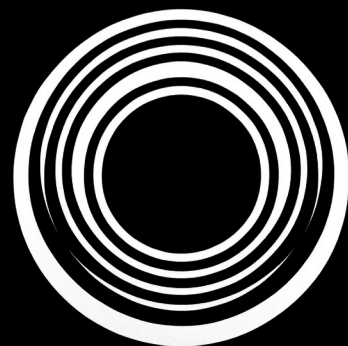


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Strategic Foresight GenAI Assistant is designed as a strategic foresight and innovation assistant, based on our proprietary strategic foresight & innovation framework Scanning, Sensing & Acting.

Features at a Glance

* Coming soon



ORION

Scanning & Intelligence

Scanning & Intelligence Sources

The information and insights collected are only as good as the sources from which they are derived.

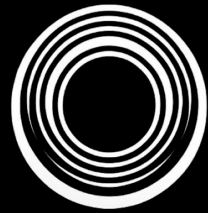
ORION Scanning & Intelligence databases are a testament to our commitment to diversity, quality, and comprehensiveness. With a collection of over

1,600 sources

it serves as a wellspring of insights and emerging trends.

- **Expansive Variety:** The database boasts an impressive array of over 1,600 unique sources, selected to provide a panoramic and diversified view of global developments.
- **Quality and Depth:** Includes credible sources such as scientific magazines, think-tanks, universities or research centers, but also more fringe sources that allow us to capture emerging issues and early warnings.
- **Dynamic and Evolving:** Our database is not static; it's a living repository that continuously evolves with the addition of new sources and insights.
- **Uncovering Hidden signals & patterns:** The sheer variety and depth of our sources allow for the discovery of blind spots, uncover emerging themes and patterns, and provide a balanced and comprehensive view of the global landscape.

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