



# Revolutionize environmental scanning with **ITONICS Insights**

Spot new trends, technologies, risks, startups,  
and competitors in your industry.



Trusted by global  
innovation leaders



and more...



Stay on top of developments

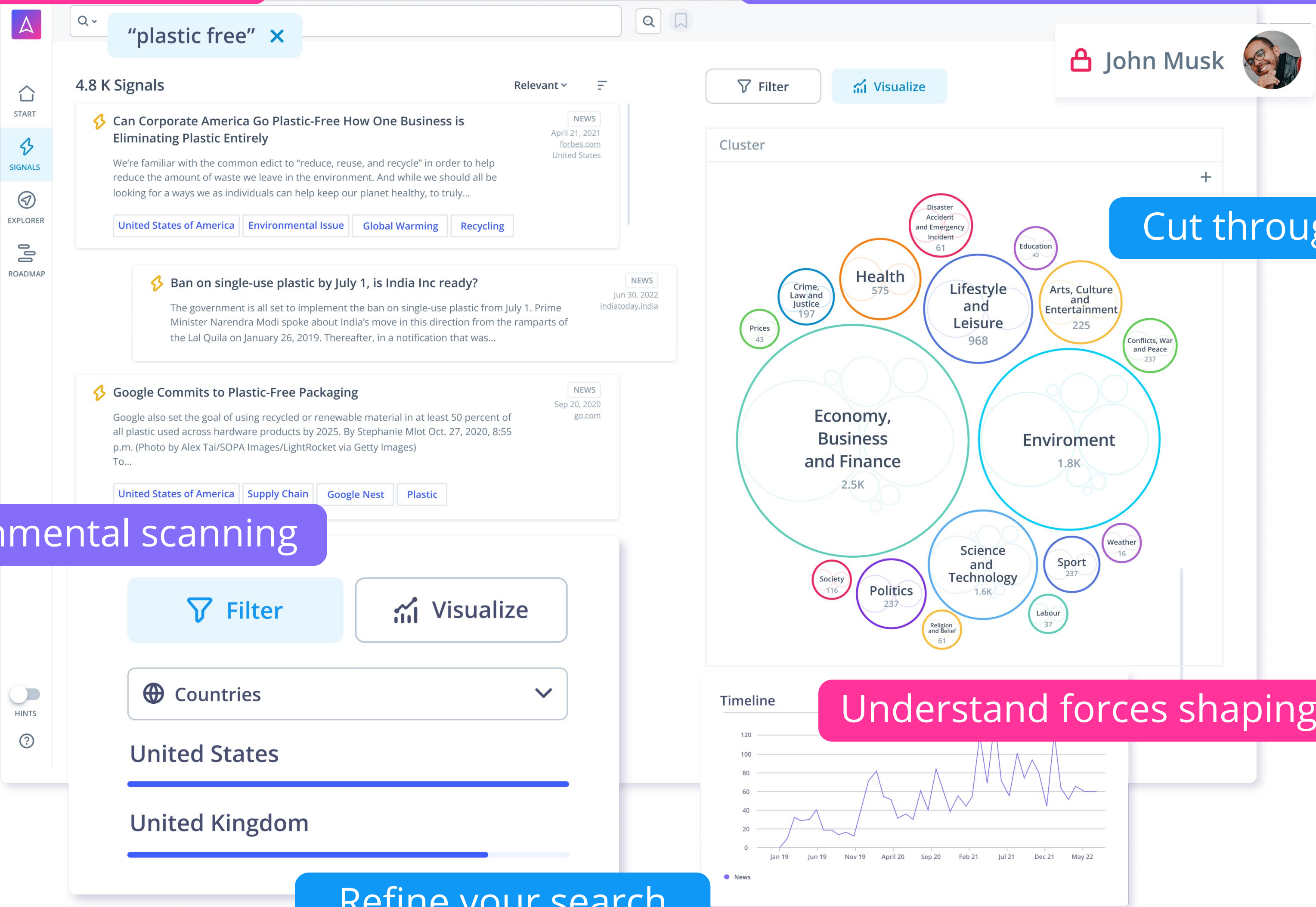
Strengthen common understanding

Save time on environmental scanning

Cut through the noise

Understand forces shaping the future

Refine your search





# Signals feed

Stay on top of the latest developments and act ahead of the competition.

The screenshot shows a search interface with a search bar containing "Self Healing Materials" and a "Create Element" button. Below the search bar, there are three search results:

- Control solution for self-healing materials** (PATENT, Nov 12, 2021, USPTO, United States). Tags: United States of America, Instruction Set Architecture, Invention, Memory.
- Self-healing Materials Market to Reach USD 9,304 Million by 2030 Supported By the Expansion in Construction Industry Globally Report Analysis by Acumen Research and Consulting** (NEWS, Jun 21, 2021, mit.edu, Netherlands). Tags: Industry, Economic Growth, Metal, Emerging Market, BASF.
- Self-Healing Materials Market Generated Revenue - \$1.1 Billion in 2020: P&S Intelligence** (NEWS, Oct 19, 2021, gov.uk, United States). Tags: United States of America, Covid-19 pandemic, Agriculture, BASF.

The screenshot shows a detailed view of a signal titled "Self-healing 'living materials' used as 3D building blocks" (Aug 20, 2022, NEWS). The signal is by Caroline Brogan, Imperial College London. The description states: "Researchers saw excellent repair that was structurally stable and restored the consistency and appearance of the material. Credit: Imperial College London researchers have created 3D building blocks that can heal themselves in...". The source is [phys.org](https://phys.org) and the country is United States. Tags include: United States of America, Fair Dealing, Research, Sensor, Biosensing Technique, Protein. The signal is rated "Medium" in relevance and "Positive" in impact.

Gain access to vast amounts of signals gathered by our Insights engine from vast amounts of online sources, including patents, scientific publications, news, and RSS feeds.

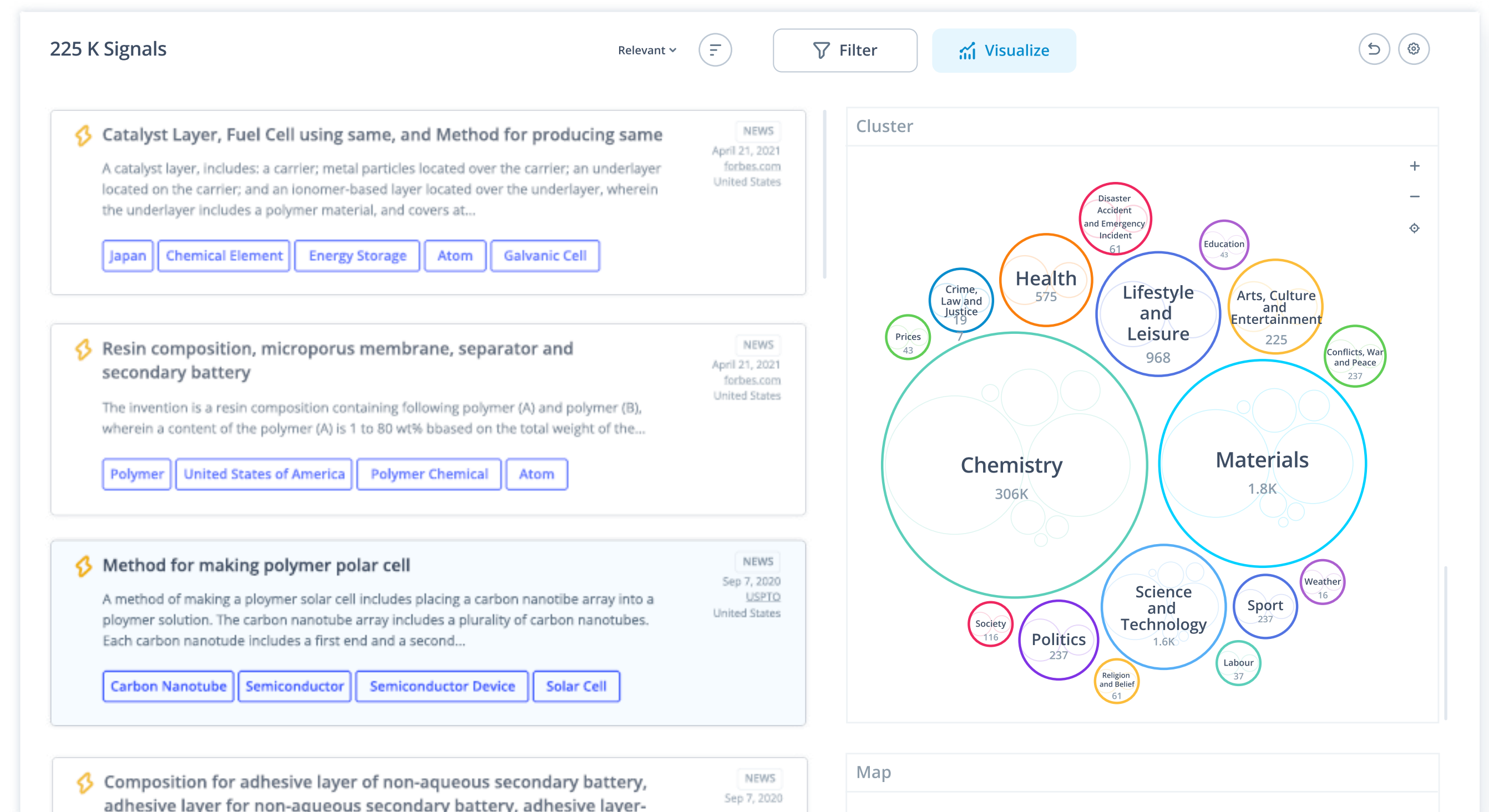
Take in info at a glance with Signals automatically tagged by topic, showing a summary and publication link to read more. Open the Signal in the stack to rate its relevance for your organization and determine whether to take it further.

# Intelligent scanning

Save time on environmental scanning and increase your team's efficiency by replacing tedious manual research.

Take advantage of our search engine that sorts through millions of data points, then identifies topics for you using text mining and Natural Language Processing.

It categorizes signals to show tags such as industry, topic, source, and country so you can quickly see what they are about and drill down to what matters.





# Search fields

Refine your search and narrow down results to specific topics relevant to your organization.

Q ▾

(summery CONTAINS "Micromobility" AND NOT country = "US")

🔖 ...

Create Element

⚡

Lime has built its own camera-based sidewalk detection technology

Shared micromobility giant Lime is finally bringing on some of its own city-appeasing advanced rider assistance system (ARAS) technology. At a Lime event in Paris, the startup shared plans to pilot an in-house built computer vision platform...

NEWS

Jul 13, 2022

Australia

Lime

Superpedestrian

Global Positioning System

Micromobility

Gain increased precision with boolean queries as part of ITONICS’s advanced search functionality. Use it to monitor defined topics, spot changes, and recognize the need for action.

Tap into all the Signals in our data lake by using keywords or existing content to define your search interest.

Q ▾

🔗 Next Gen Batteries x

📈 Biophilic Design x

🔖 ...

Create Element

⚡

Aluminum: Yet Another Potential Alternative to Lithium-Ion Batteries

Aluminum: Yet Another Potential Alternative to Lithium-Ion Batteries April 20, 2021 WhatsApp in fast-charging electric vehicles (EVs) and portable devices alike, battery research is an ever-evolving point of interest for electronic designers. While...

PATENT

Nov 12, 2021

USPTO

United States

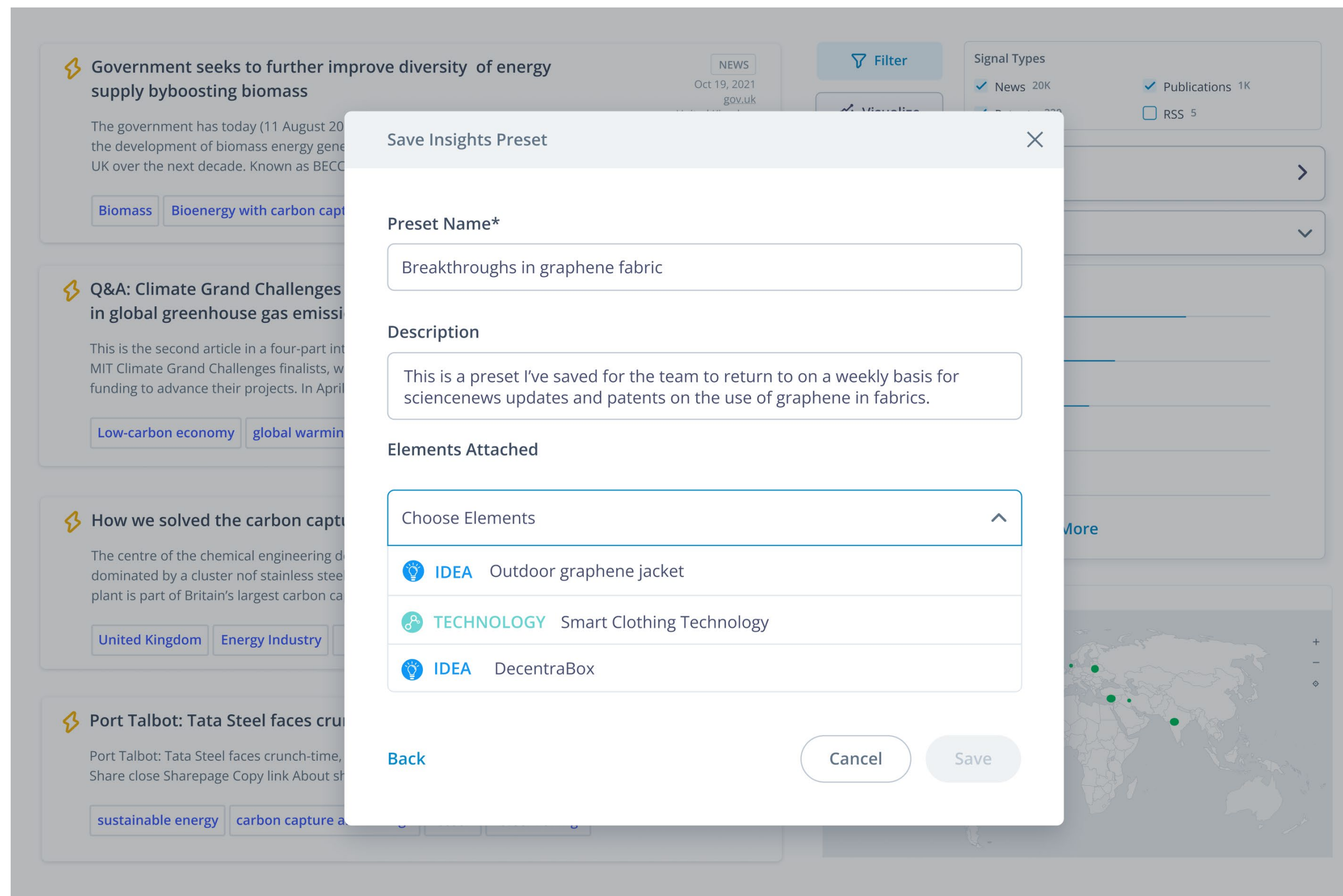
United States of America

Chemical Element

Galvanic Cell

# Saved presets

Strengthen common understanding by sharing saved filters with your team.



Emerging technologies, trends, risks, and other drivers of change evolve over time and require monitoring. Save the parameters of your searches and return to your saved search easily to quickly see developments.

Turn your search criteria into an Insights preset for you and your colleagues to revisit. It saves time and lets teams view the same information on a single source of truth.



# Advanced filtering

Cut through the noise and get to what's important.

Countries

Republic of Korea

Japan

France

United Kingdom

China

Germany

Spain

Switzerland

Belgium

Netherlands

243 of 245 selected

Reset

Products

Insulator

Glass

Aluminium

Polyester

Color

Glass Fiber

Electronic Amplifier

Petroleum

Household Goods

Headphones

10 of 25 shown

Reset

Insights scans in real-time and filters according to your preferences. Select filtering criteria such as industry, place, source, company, and more to quickly narrow down to relevant results.

Save time with advanced filtering functionality that increases the ratio of relevant signals.

Industries

Electronics Manufacturing

Automotive

Sportswear

Refrigeration

Chemical Industry

Textile

Printing

Telecommunication

Aerospace

Agriculture

10 of 55 shown

Reset

Products

Contemporary Amperex Technology

LG ENERGY SOLUTION, LTD.

Samsung Electronics Co., Ltd.

LG Chem, Ltd.

NINGDE AMPEREX TECHNOLOGY

Glass Fiber

Electronic Amplifier

Petroleum

Household Goods

Headphones

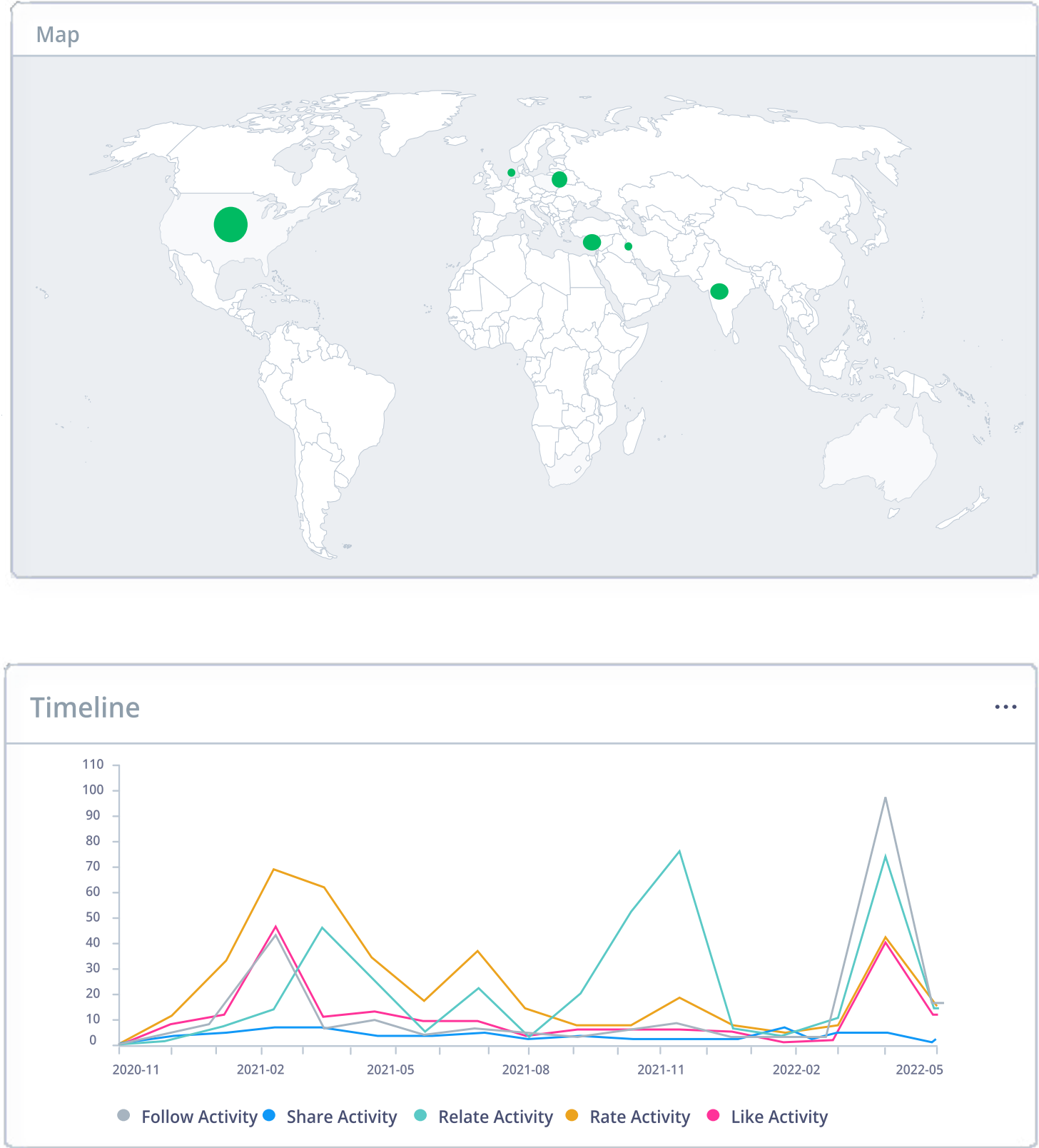
10 of 25 shown

Reset



# Visualizations

Understand the forces shaping the future across time and geography with interactive visualizations.



Analyze the growth of a topic within a specific time period or see where in the world it's trending.

See which trends and technologies are increasing or declining with the Timeline visualization or view our World Map to know which countries signals are coming from. Get a quick overview of topics in the Cluster visualization to understand the subject range, then zoom into sub-categories.



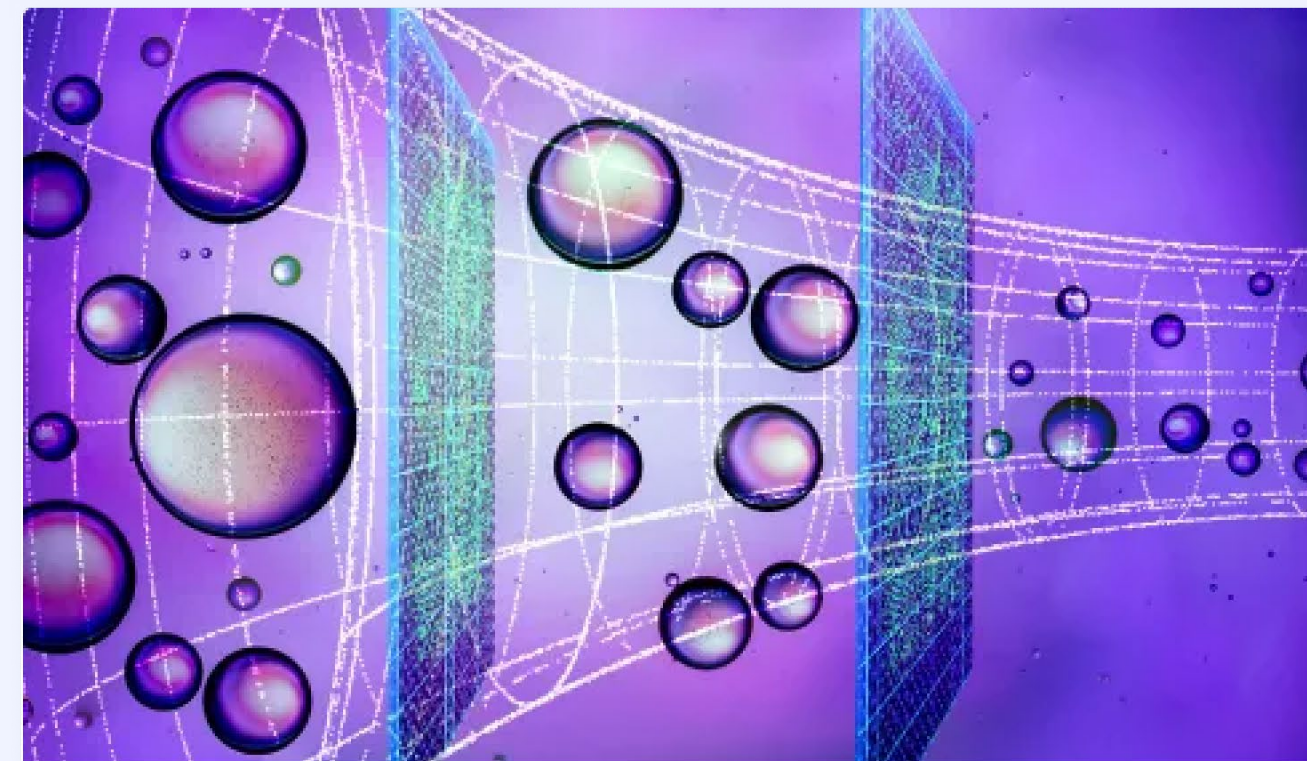
**Let's talk** about getting you started quickly. Here are some inspiring best practices for environmental scanning.



ENVIRONMENTAL SCANNING

## How to Keep Up with Trends & Technologies: A Simple (but Powerful) Guide

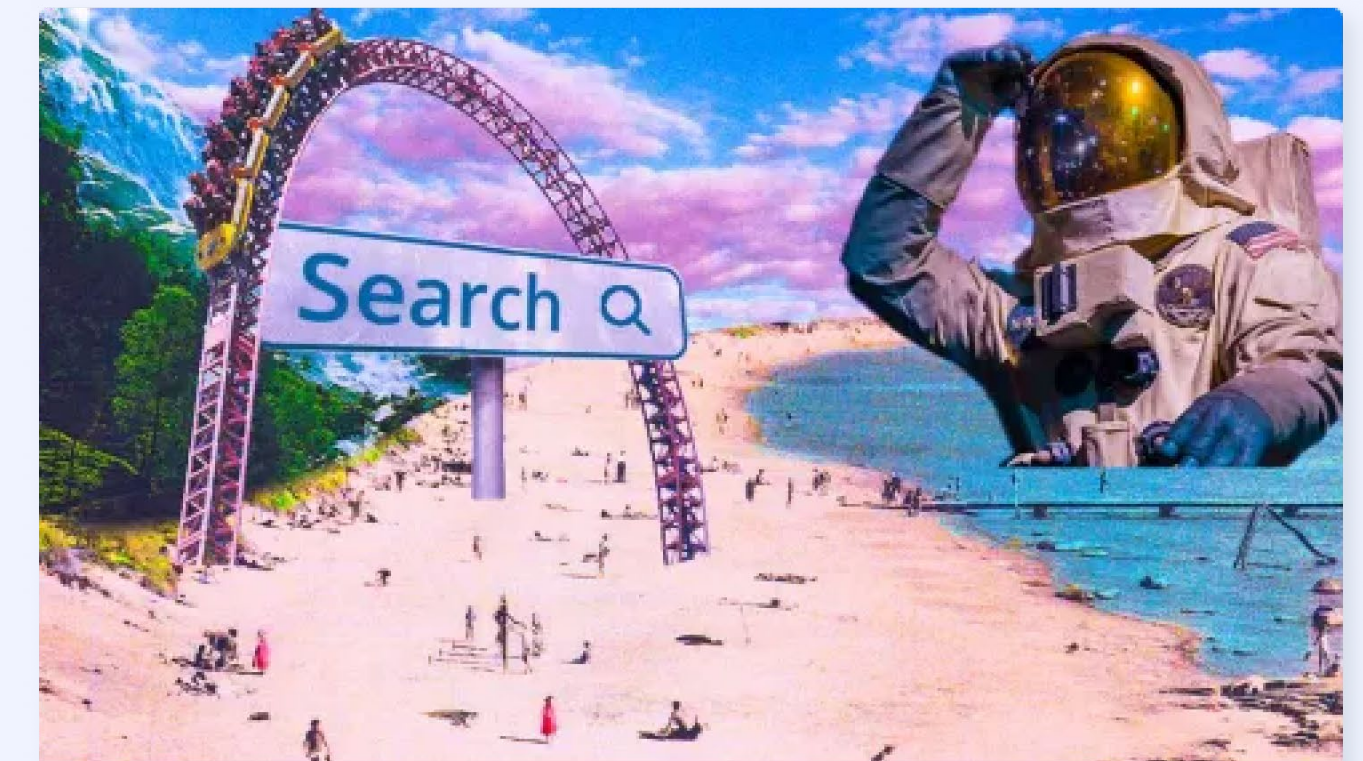
7 Jul 22 | 4 mins read



ENVIRONMENTAL SCANNING

## How to Define the Right Search Criteria in Trend Scouting

29 Jul 22 | 3 mins read



ENVIRONMENTAL SCANNING

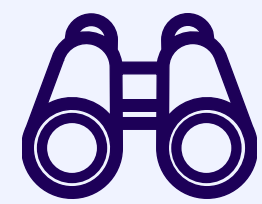
## How to Define the Right Search Criteria in Emerging Technology Scouting

14 Jul 22 | 3 mins read





# Use cases for ITONICS Insights



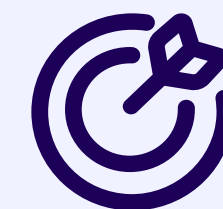
Monitor the activity of competitors to anticipate which direction they are heading in.



Find technological solutions to a problem your organization is facing.



Find real-world examples of new products and services entering the market. Use this as inspiration to fuel your own innovations.



Understand market developments and trends to innovate in time and satisfy new customer needs.



Find startups relevant to your business context and goals, to partner with them potentially.



Assess and evaluate potential partners to collaborate with to grow your business.

# What our clients say about using Insights



*In a highly dynamic business and technological setting, recently exacerbated by the COVID-19 pandemic, proactive decision making, foresight, and innovation management become even more crucial. Using ITONICS' AI-enabled platform, we aim to enhance strategic alignment across business units and preemptively develop rigorous capabilities, products, processes and technologies to continuously future-proof our business.*

**John Absmeier**  
Chief Technology Officer, Lear Corporation





# World's leading Innovation OS

ITONICS is a leading SaaS provider of systematic innovation management. The ITONICS Innovation OS combined with a systematic framework to steer innovation efforts helps companies to identify emerging technologies, trends, and market potential and to translate them into customized growth strategies.

With more than 150 experts worldwide, we support innovation leaders such as adidas, AUDI, BMW, CISCO, Intel, Johnson & Johnson, and KPMG.

Get a Demo

Contact Us

Discover more at [www.itonics-innovation.com](https://www.itonics-innovation.com)

