From Search & Review to Organisation Impact: **Building Trusted Evidence Workflows with DistillerSR & Elsevier**

April 22, 2026

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Advanced Data Solutions Manager, EMEA

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Advancing human progress together


Advancing human
progress *together*
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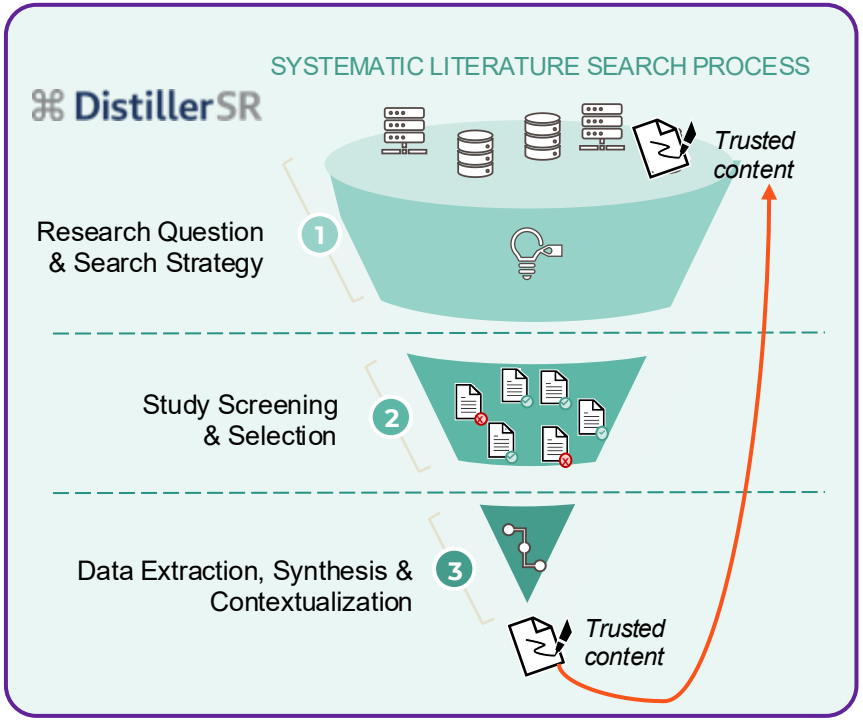
Systematic literature search: the backbone of science & our roles



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Embase

Over 49 million records, indexed on full text

Over 8,500 journals including 3k not contained in MEDLINE®

Over 5.5 million conference abstracts from 2009 to present

ScienceDirect

23m
Articles & book chapters

39%
Elsevier citation share of cross-disciplinary, highly cited literature

3.8m
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Datasets

APIs

Third Party Platform Usage Rights

AI Reuse Rights

R&D pressures in 2025

$190B

R&D costs per annum

25%

of revenue

14+

years median launch time

Source: IQVIA Institute Global Trends in R&D 2025

The promise of AI: unlocking information

71%

believe AI will have a transformative effect[1]

98%

believe literature synthesis is the killer app[1]

40%

capacity savings from Agentic AI[2]

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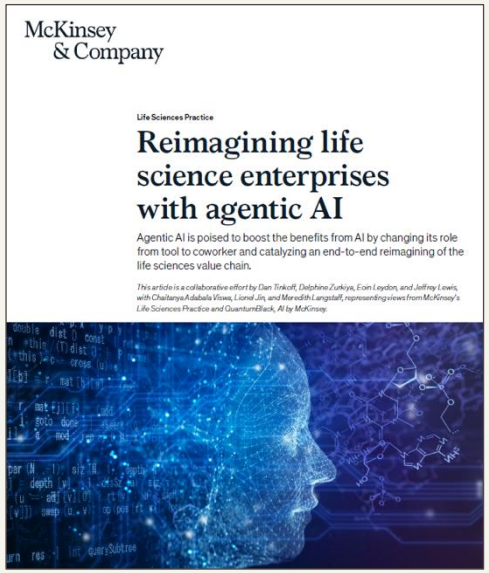
[1] Attitudes to AI, Elsevier, 2024
[2] The next innovation revolution—powered by AI, McKinsey, 2025

There is building evidence that agentic AI may be able to help



In pharma, **75 - 85% of workflows contain tasks that could be enhanced or automated by AI agents,** potentially freeing up 25 to 40 percent of an organization's capacity

Up to **95% of life science roles may have agentic teammates.** Every functional area, domain, and job family has tasks for which agents could be deployed

[The] full potential of agents could give companies **incremental growth of 5 – 13%**

EBITDA would increase by 3.4 to 5.4% over the next three to five years

[1] The next innovation revolution—powered by AI, McKinsey, 2025

The AI paradox: 80% companies using AI, 80% report no benefit

95% of proprietary GenAI pilots fail [1]

Trust in data

Trusted source

Rights compliance

Integration

Trust in technology

Provenance

Traceability

Transparency

1. MIT: Why 95% of Enterprise AI Investments Fail to Deliver (The Gen AI Divide: State of AI in Business 2025, 2025)

The AI trust gap

84% using GenAI in R&D

but only **22%** trusting it (1)

19.9% citations fabricated in GPT-4o lit reviews

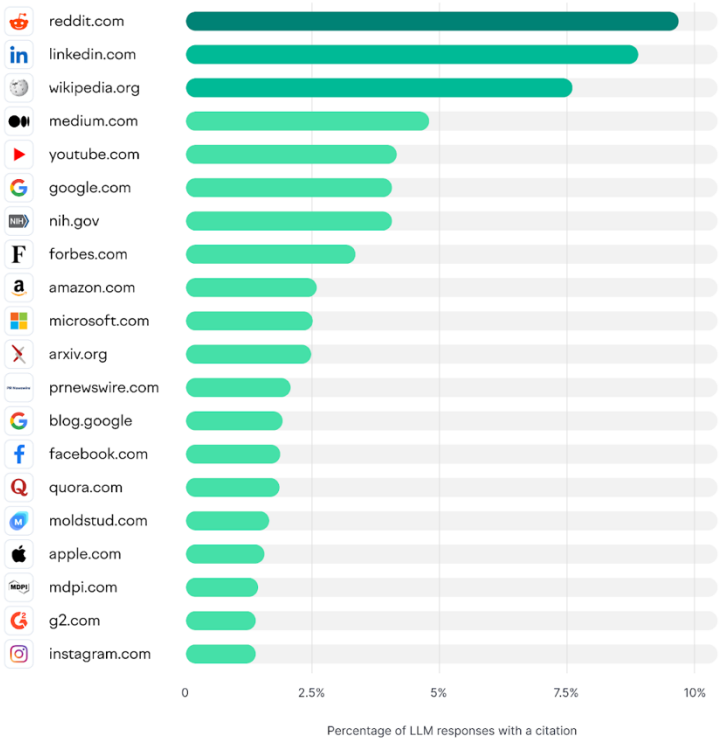
29% in less familiar or specialised topics

45.4% "real" citations had bibliographic errors

2/3 of references **fabricated or inaccurate**

Source: JMIR Mental Health, Nov 2025 (DOI: 10.2196/80371)

Top Cited Domains on LLMs (ChatGPT, Google AI Mode, Perplexity): October 2025



Based on a Semrush study of 230K prompts conducted in October 2025

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1. Confidence in Research | Elsevier (Corporate Researcher of the Future, 2025)

Why general-purpose AI tools are not yet fit for R&D

Lack Transparency

- Black box, no citations[1]
- Nearly 2 in 3 citations hallucinated or with errors[2]
- Satirical posts presented as legitimate sources[1]
- **Retracted research** rated as ‘word-leading’[3]

Erodes critical thinking

- Inflated user trust, regardless of the accuracy[1]
- Creating an **illusion of authoritativeness**[1]
- Potential for sycophantic responses[1]

Privacy & security issues

- Widespread use, 84% of corporate researchers use Gen AI tool[5]
- **User inputs being used to train models**
- Ensuring security, privacy and handling of confidential information

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1. The Era of Answer Engines (Sept 2025)
2. https://mental.jmir.org/2025/1/e80371 (Nov 2025)
3. Does ChatGPT Ignore Article Retractions and Other Reliability Concerns? https://onlinelibrary.wiley.com/doi/10.1002/leap.2018 (August 2025)
4. Towards Understanding Sycophancy in Language Models (May 2025) 2310.13548
5. Confidence in Research | Elsevier (Corporate Researcher of the Future, 2025)

Responsible AI is Elsevier's number 1 priority

We consider the real-world impact of our solutions.

We take action to prevent the creation or reinforcement of unfair bias.

We can explain how our solutions work.

We create accountability through human oversight.

We respect privacy and champion robust data governance.

Two categories of use cases Elsevier supports with needed rights

Individual use

reading

browsing

downloading*

searching

Systematic use

large scale downloads

indexing

extracting knowledge

AI – RAG, model training

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examples only/non exhaustive lists

Two categories of use cases Elsevier supports with needed rights

Individual use

reading

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downloading*

searching

Systematic use

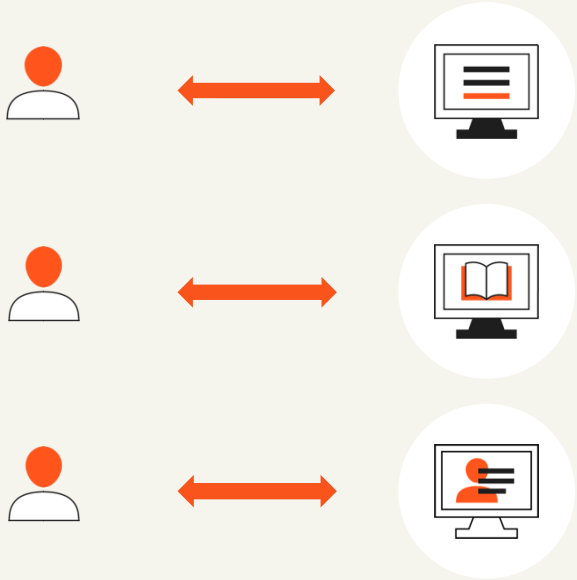
Speed to insight

Empower researchers with AI

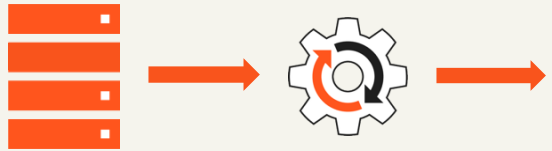
High throughput at enterprise scale

Two categories of use cases Elsevier supports with needed rights

Platform products



Datasets

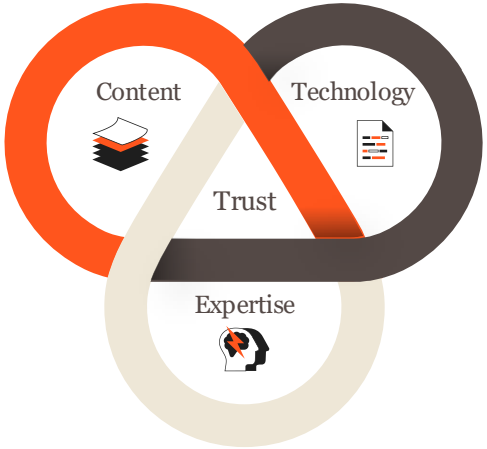


Data Available via Multiple Delivery Mechanisms

Internal or 3rd party solution e.g. text data mining platforms, enterprise search platforms, literature review platforms, RAG applications, predictive models etc.

Systematic use-cases

Partnering as Your Trusted Advisors

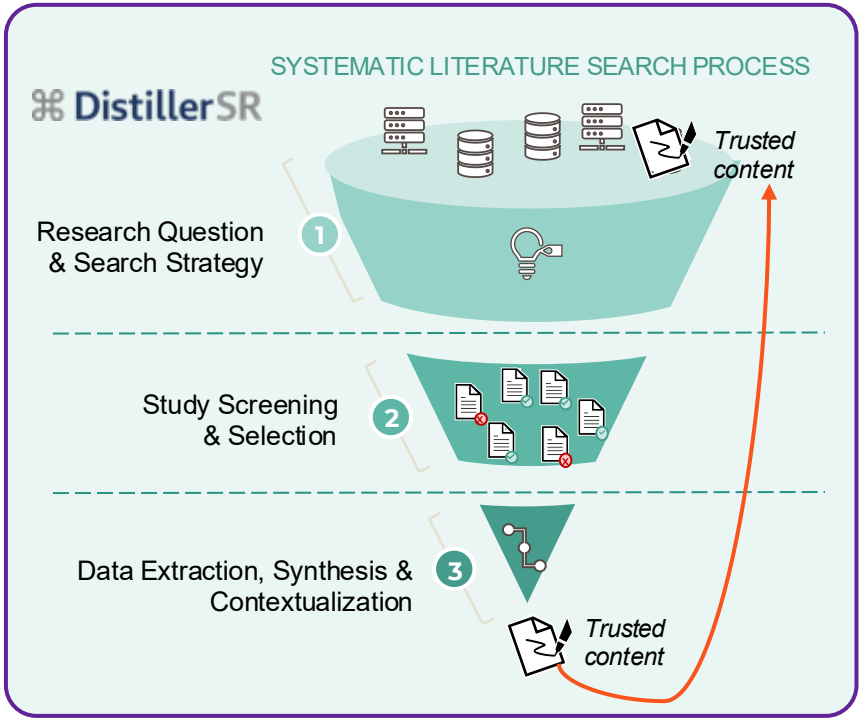


- Multidisciplinary scientific literature
- Domain-specific data
- Cross-publisher abstracts and metadata

- Enrichment tools
- Semantic search
- Curated datasets

- Subject matter and data science experts
- Solution architecture and delivery design
- Integration support

Systematic literature search: the backbone of science & our roles



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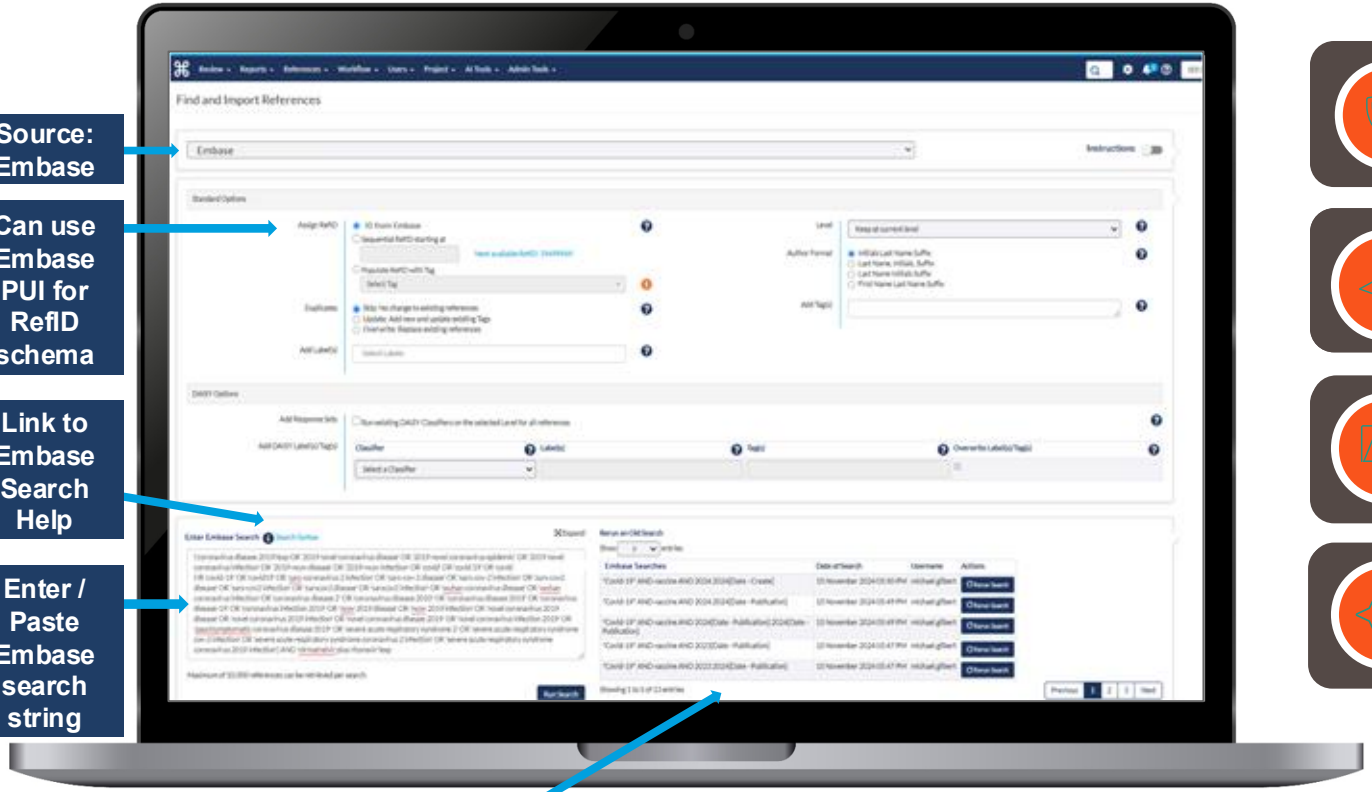
The result: an integrated DistillerSR & Elsevier workflow



- Full Legal Certainty For AI Use Case(s)
- AI Reuse of Elsevier PDFs (e.g. via Doc Del)
- Unified Search Interface
- Easy Initial Search (Refinement On Embase)

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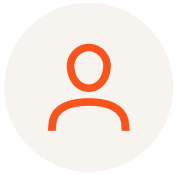
DistillerSR

Critical biomedical insights can be missed due to expertise silos

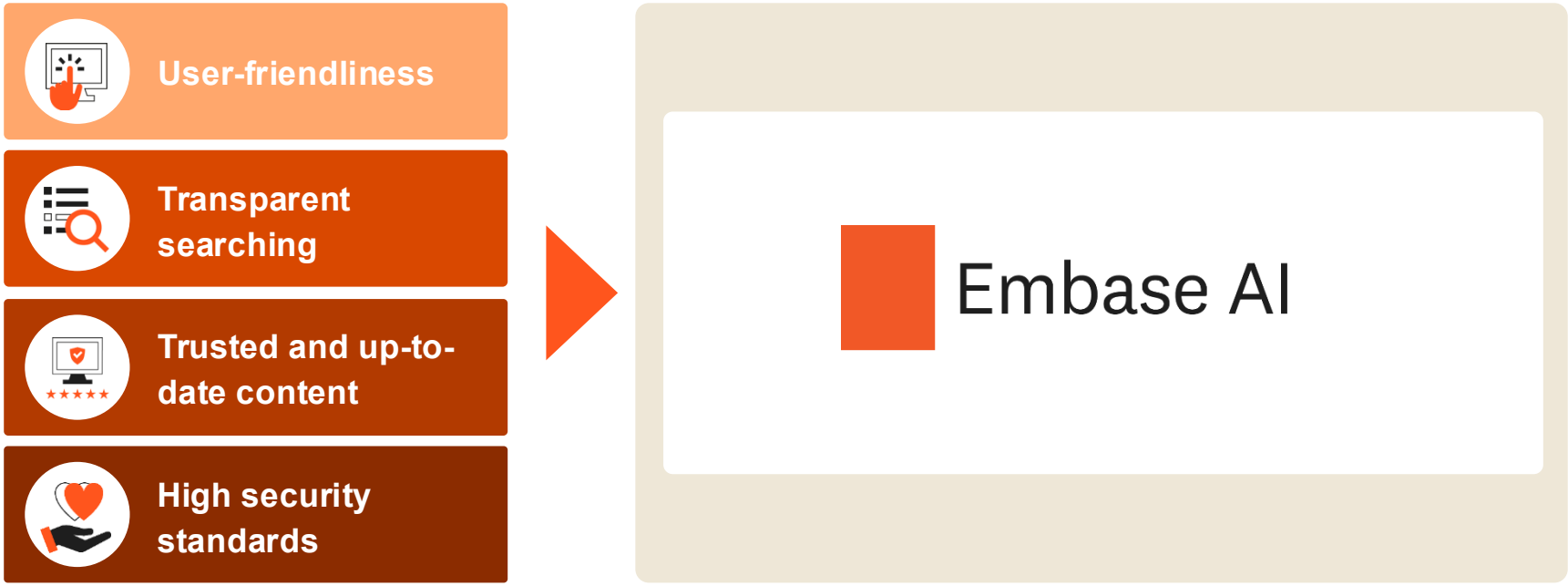


What is the standard treatment for atherosclerosis?

- Perceived complexity of specialized databases can be a barrier for casual or novice users
- Building search queries can be time consuming even for experts
- Tool adoption might be low and restricted only to specialists

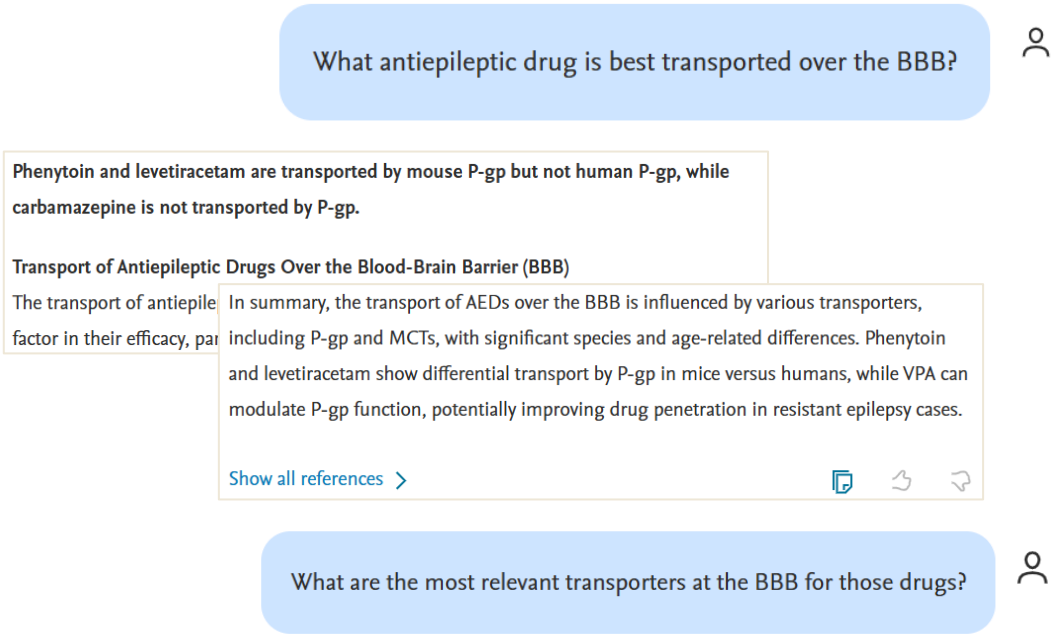
('atherosclerosis'/mj OR 'atherosclerosis':ti,ab,kw) AND (('drug therapy'/lnk OR 'drug therapy'/de OR 'treat*':ti,ab,kw OR 'therap*':ti,ab,kw OR 'manage*':ti,ab,kw OR 'standard treatment':ti,ab,kw OR 'current practice$':ti,ab,kw OR 'recent advancement$':ti,ab,kw OR 'recent develop*':ti,ab,kw OR 'new treatment$':ti,ab,kw OR 'latest treatment$':ti,ab,kw))

Easier access to biomedical insights with AI assisted searching



Embase AI helps more users access high-quality information

- **User-friendliness**
- **Transparent searching**
- **Trusted and up-to-date content**
- **High security standards**



Conversational natural language queries and **concise content summaries** allow users of **all experience levels** to discover critical insights faster.

Embase AI makes the search process more transparent

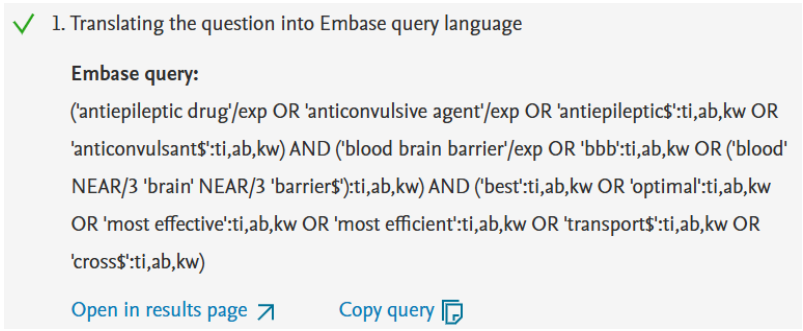
User-friendliness

Transparent searching

Trusted and up-to-date content

High security standards

What antiepileptic drug is best transported over the BBB?

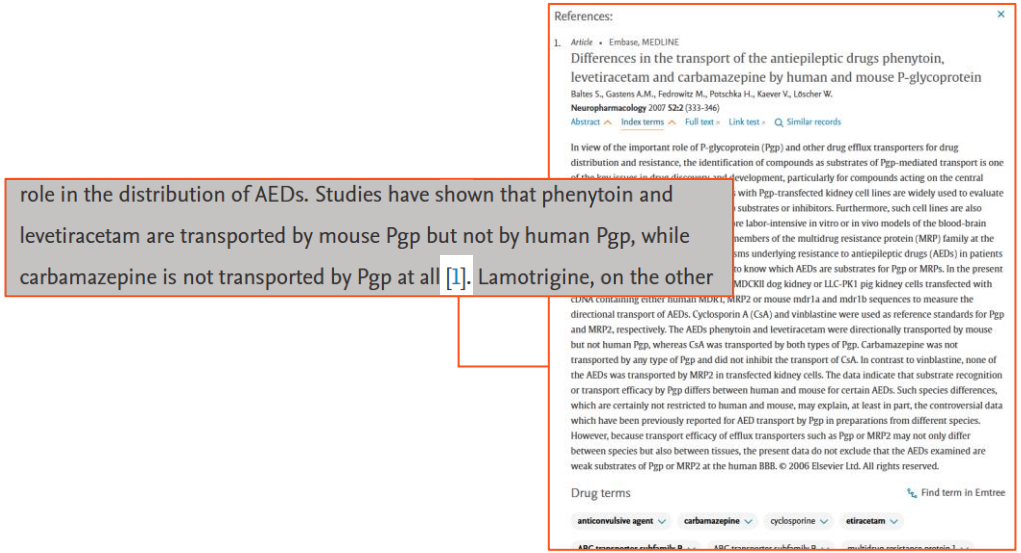


Auto-generated Embase syntax

- Helps understand exactly how the search was interpreted
- **Supports novice or casual users** become better searchers
- Can serve as a valuable starting point for constructing comprehensive queries to use in Embase.com

Support informed decisions with verifiable responses

- User-friendliness
- Transparent searching
- **Trusted and up-to-date content**
- High security standards



Embase AI supports user confidence through

- Responses based on the full Embase corpus of content, **including Emtree indexing**
- **In-line references** to evaluate validity of summaries
- **Daily content updates** to reflect latest research

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A secure environment for confidential work

- User-friendliness
- Transparent searching
- Trusted and up-to-date content
- **High security standards**

Privacy by design

Private AI model with secure user sessions

Commercial grade cloud infrastructure

Guided by Elsevier [Responsible AI Principles]

Embase AI **minimizes the risk** of compromising data privacy.

Embase AI: how it works & adds value to DistillerSR workflow

Ask your question

LLM transforms question into **Embase query**

Retrieves full result set

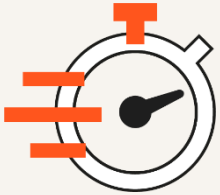
LLM processes most relevant records

Provides **summary response** with in-line references

Embase AI: key benefits for your organization

Empower everyone

Allow access to biomedical insights for users of **all experience levels**.



Save time

Find insights faster and free up time for other important tasks.

Minimize risk

Increase decision confidence with responses from trusted content.

Protect IP

Rely on **high security standards** to keep your data private.

Embase AI's value: don't take our word for it, take our testers' word

… Improve workflow

"It would **help out enterprise users** more quickly find summary answers to basic medical queries."

- Information Specialist, Large Pharma

…Save time

"Embase AI **can save us >50% of the time** we spend answering physicians' questions."

- Medical Affairs Manager, Large Pharma

…Improve the quality and depth of research

"Embase AI is changing how I think about the problem, it helps me ask the right questions better. It **adds 100% of extra value** to Embase."

- Product Manager, Large MedTech

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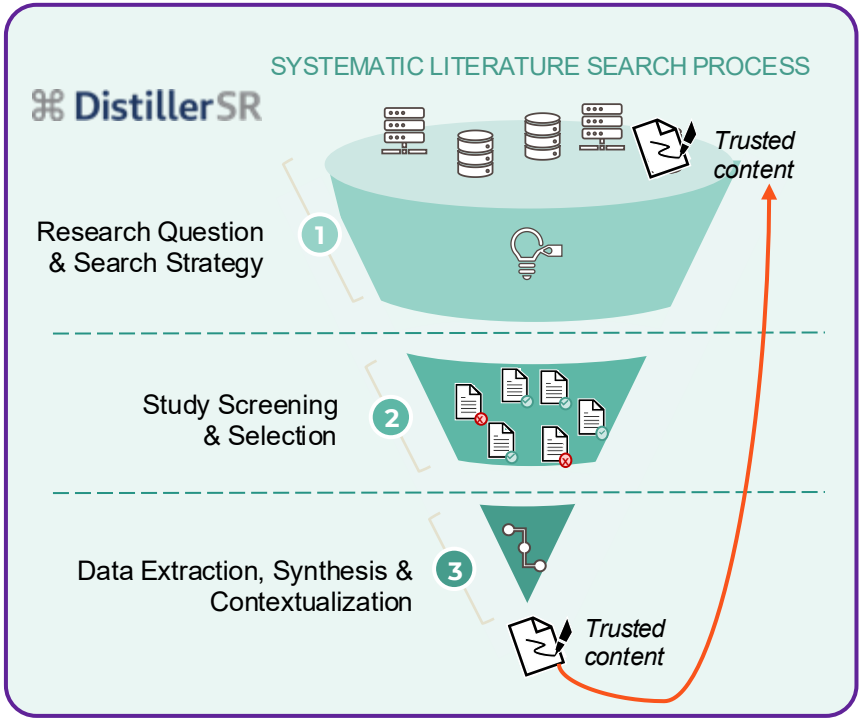

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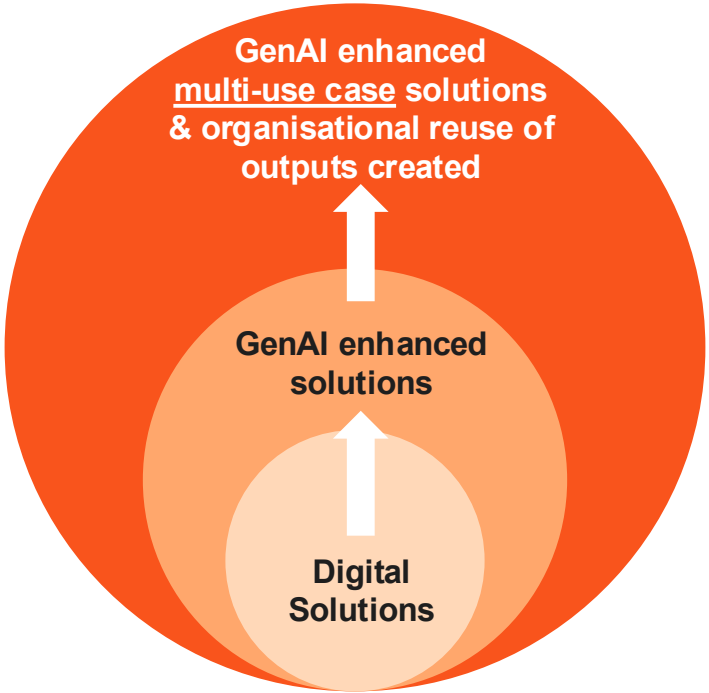
Deploying generative AI across multiple workflows, content sets and reusing expert outputs to deliver more organisational impact



- Faster from insight to impact
- Less friction
- Higher efficiency and reuse
- Shorter time to market

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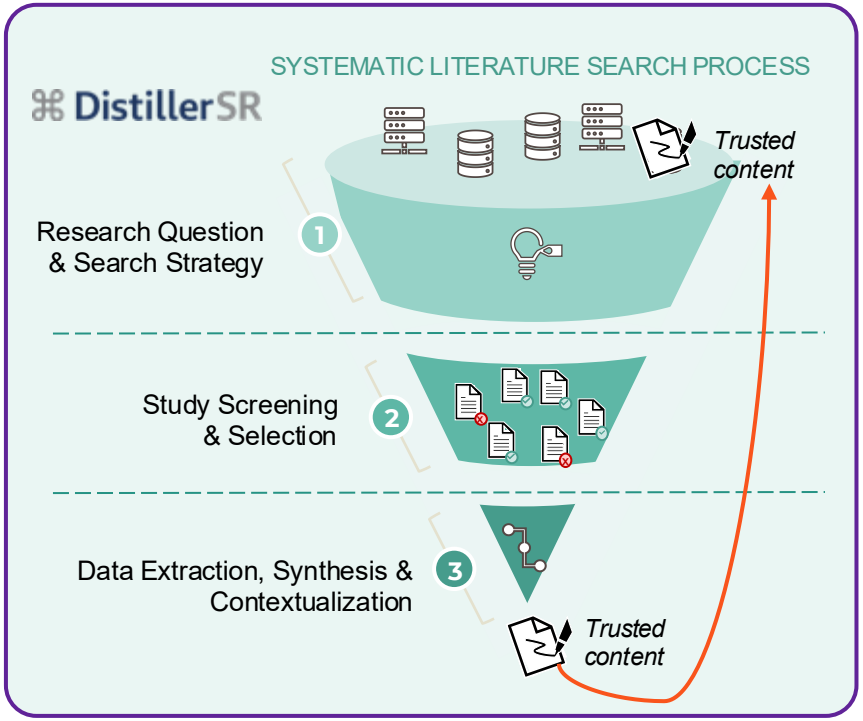

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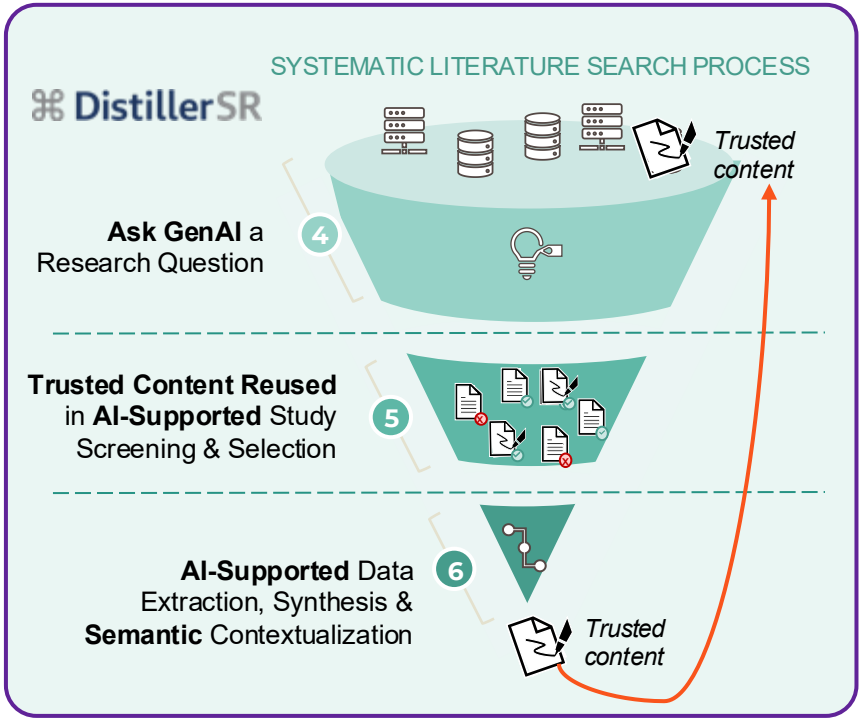

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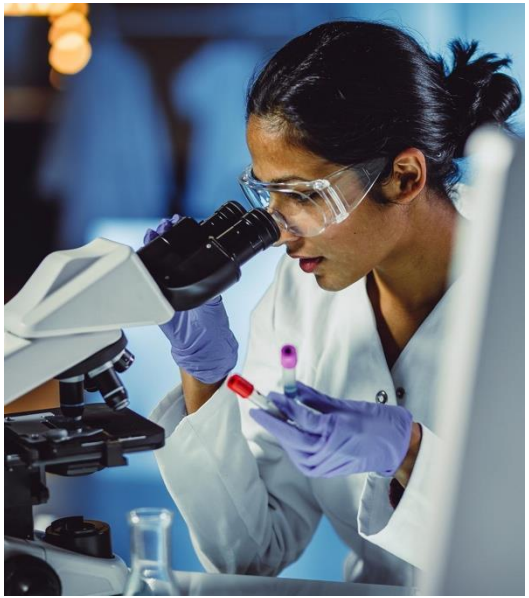
The next AI horizon for R&D



AI unlocks maximum value when you can trust the associated outcomes **and** reuse them

How could your data be reused with AI assistants to help solve faster the most complex and costly challenges in drug & device development?

Thank you

Learn more

+ Monday's Presentation – *From Pilot to Production: Building Trust in Agentic AI for Pharma R&D* – **Available *Via The Link***

Talk more

Elliott Parris, Advanced Data Solutions Manager, EMEA

Inga Link-Al-Zadjali, Regional Account Director, North Europe

Let's talk
Book a meeting
via the link

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