LeapSpace

LeapSpace: Onboarding Deck

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LeapSpace is Elsevier's next-generation AI-assisted workspace that delivers publisher-neutral insights to help researchers move faster from ideation to impact while safeguarding *research integrity*, *transparency* and *trust*.

What sets LeapSpace apart?

1

High quality content and data: Unmatched **publisher-neutral** depth and breadth across abstracts, full-text and data, selected by independent board and updated daily

2

Trust and transparency: Trust Cards show sources, surface contradictions and help you calibrate the strength of the evidence

3

Human-in-the-loop development: Every update goes through rigorous testing with subject-matter experts and follows Responsible AI Principles

4

Best workflow coverage: Discovery, interdisciplinary research design, funding and collaboration opportunities – LeapSpace is ready to assist you

5

Enhanced critical thinking Encourages verification while reducing bias, so you can apply your expert judgement and produce original research

6

Enterprise-grade privacy & security: Everything you do in LeapSpace is private, secure and encrypted, and your data is not used to train any LLMs

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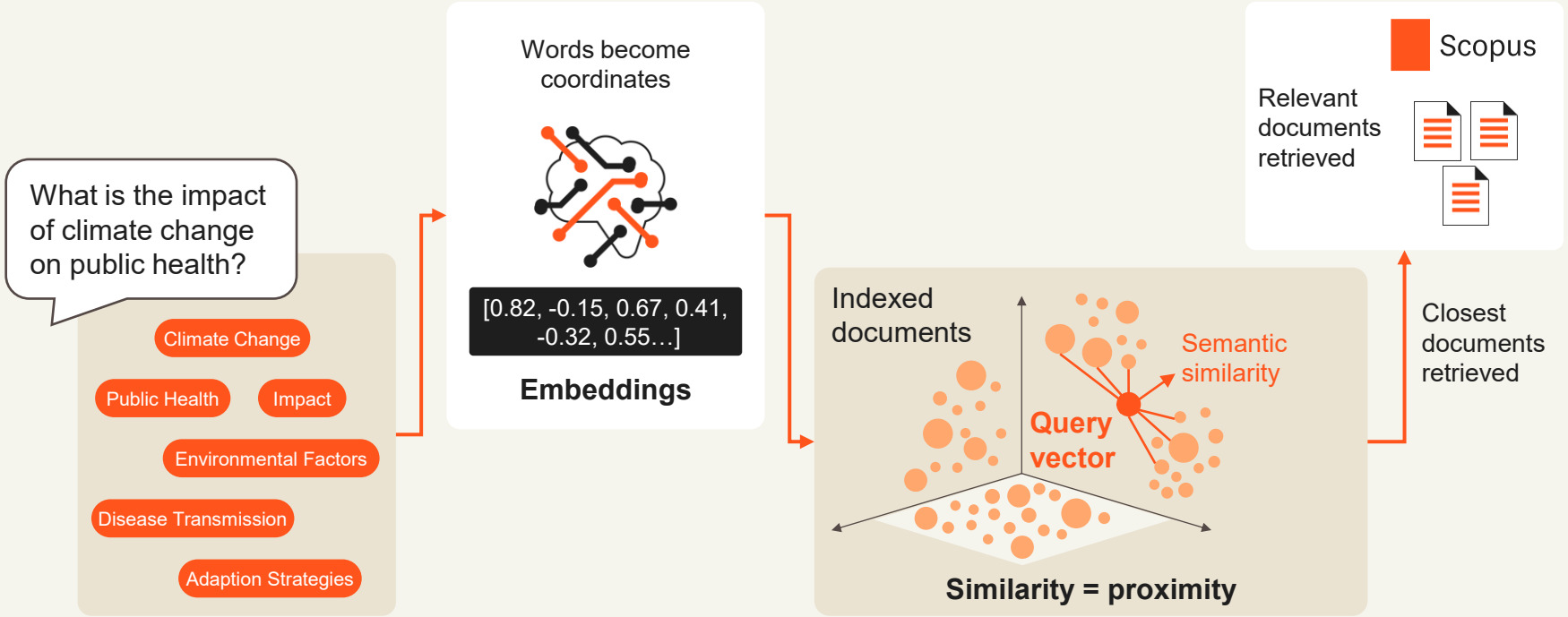
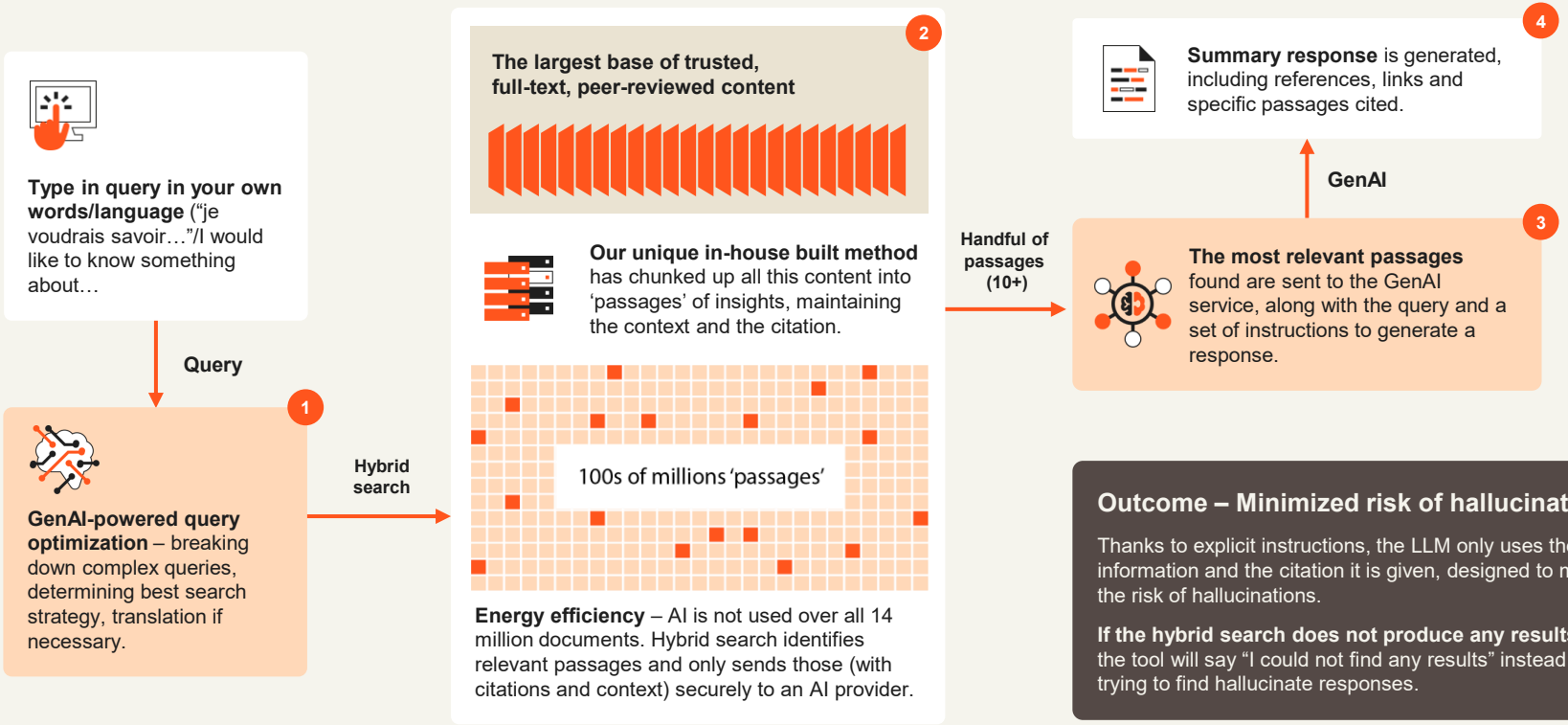
Vector Search: from words to meaning



How LeapSpace works



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Designed around Researchers' day-to-day activities: free up more time for research

LeapSpace isn't designed to "do a researcher's job" – just equip them with the insights to do it more effectively

- **LeapSpace covers multiple research workflow use cases, offering in-depth support for collaboration and funding as well as core research – all in one place.**
- General AI tools benefit researchers by streamlining core tasks like literature reviews, data collection and ideation, but this is a fraction of their real workflow.
- On average researchers spend only a third of their day on "research" – the rest is devoted to adjacent tasks like finding collaborators or funding, teaching, supervising postgrads, attending departmental meetings, peer review etc.

Source:
UK [Research Professional]
Australia [Journal of Higher Education Policy & Management]
USA [University of Wisconsin])

Reducing bias and hallucinations

1

Draws exclusively on **scholarly content**

2

Custom built to work with the solutions it leverages

3

Strict **prompt engineering**

4

References enable claims to be traced back to their source

5

Regularly evaluated using industry-recognized and customized frameworks

6

Transparent operation and methodologies

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Key features

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A Trust Card signals that a claim is grounded and verifiable

Two Trust Card signals

Link to Statement

What it does: Verifies how closely a specific claim aligns with its cited source. Highlights the exact passage used to support the claim.

Answers: Is this claim actually supported by the source being cited?

Claim Radar

What it does: Validates a claim against the broader research landscape. Shows whether evidence supports, contradicts, or is mixed.

Answers: Even if it's cited correctly, does this claim hold up across the broader research?

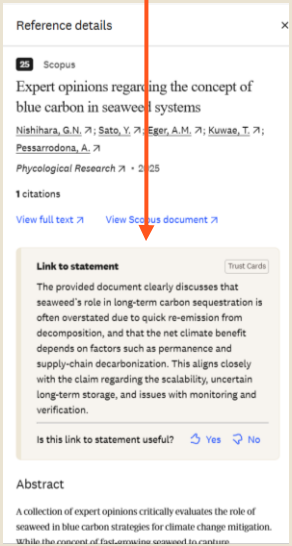
How **Link to Statement** and **Claim Radar** work together

AI-generated answer with claims and citations

User clicks on citation and navigates to:
Link to Statement
(component of Reference details pane)

Answers: *Is this claim grounded in this source?*

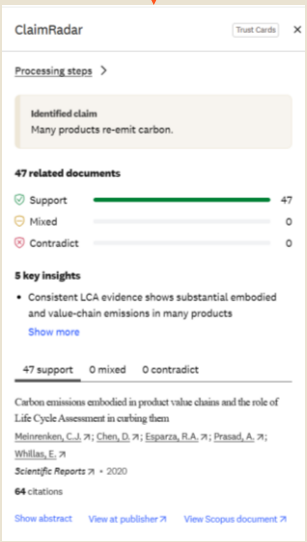
Ref details pane also includes:
- Bibliographic details
- Passage from the source that supports claim
- Highlighted evidence from abstract or full text



User clicks on ellipsis and navigates to:
Claim Radar

Answers*: "What does the broader research say about this claim?"*

Claim Radar:
- Scans up to 40 relevant sources from 100M+ Scopus-indexed papers.
- Shows if evidence supports, contradicts or is mixed
- Gives insights from the broader research landscape



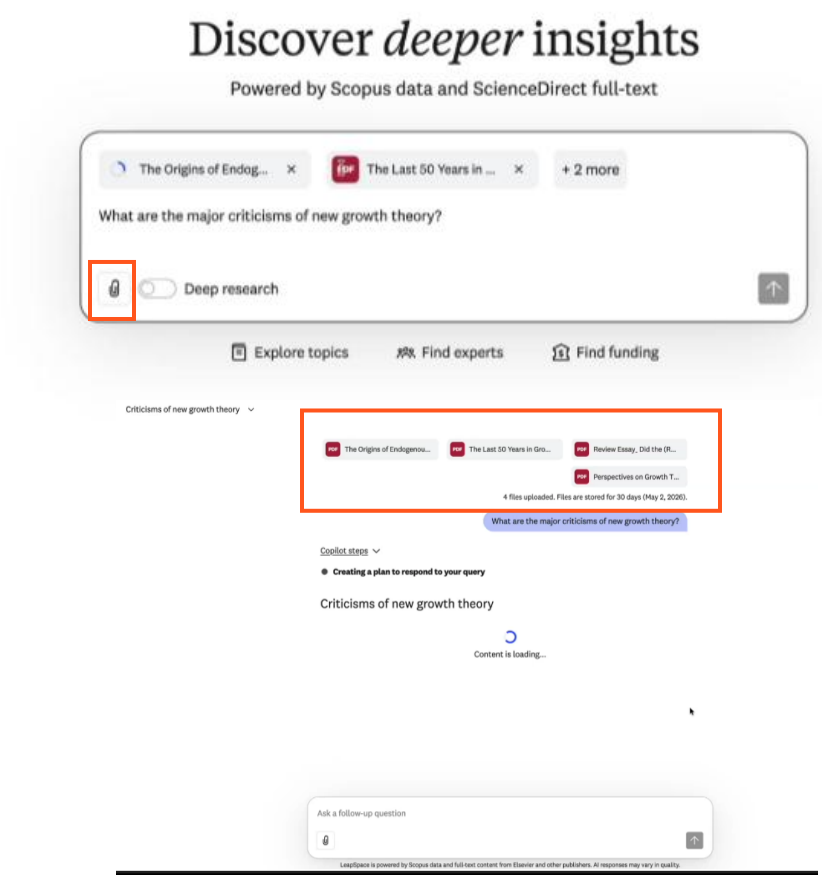
Upload documents

Upload your PDFs — papers, drafts, reports — and LeapSpace incorporates them as private context alongside 105M+ Scopus-indexed sources, SD and partners full-text.

Your documents don't sit in a folder; they actively inform the analysis.

What this means in practice:

- Ask questions that span your uploaded files *and* the broader literature — in one query
- Every response stays fully traceable: claims linked back to sources, whether published or uploaded
- Files are stored securely, never used to train any AI model, and handled under Elsevier's Responsible AI principles



Key feature: Deep Research

Generates **multi-step reports** with key findings, direct answers, scope, assumptions, limitations, evidence gaps, and recommendations.

The response typically includes:

- **Referenced overview/key findings**: cited summary of main insights.
- **Direct answer to the query:** report's explicit answer.
- **Study scope:** time period, disciplines, methods, evidence base.
- **Assumptions and limitations:** constraints and uncertainties shaping the analysis.
- **Suggested further research:** underexplored or inconsistent areas worth investigating.
- **Main body and synthesis**: fuller evidence-based reasoning in depth.
- **Discussion and future directions**: connections, contradictions, opportunities.
- **Conclusions and recommendations**: practical takeaways and next steps.

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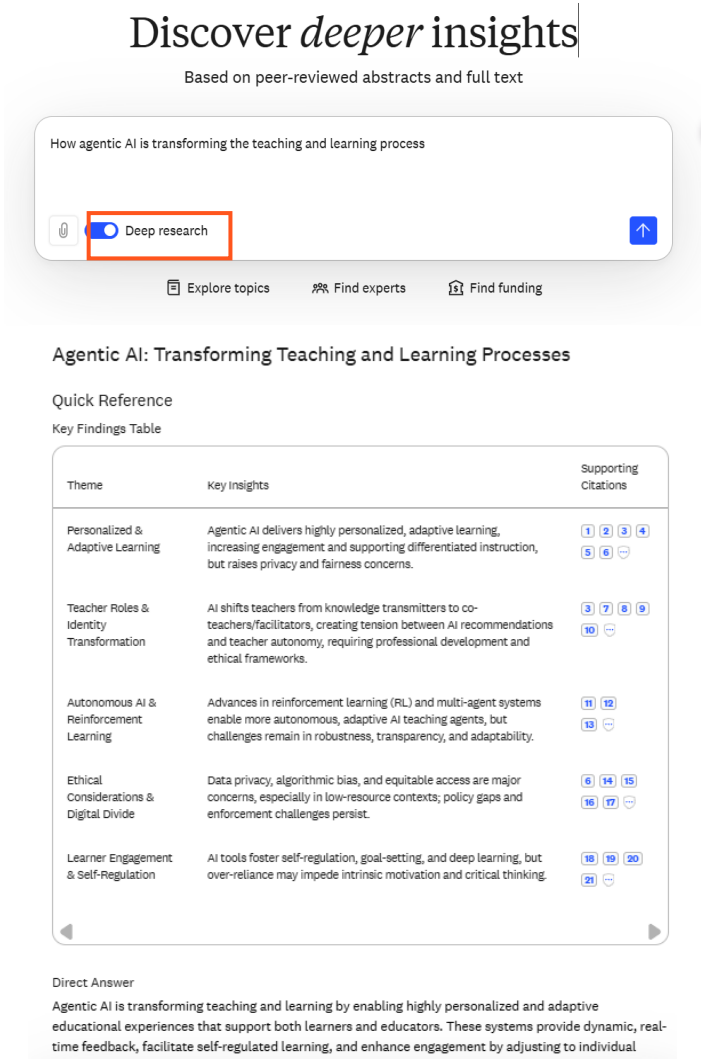
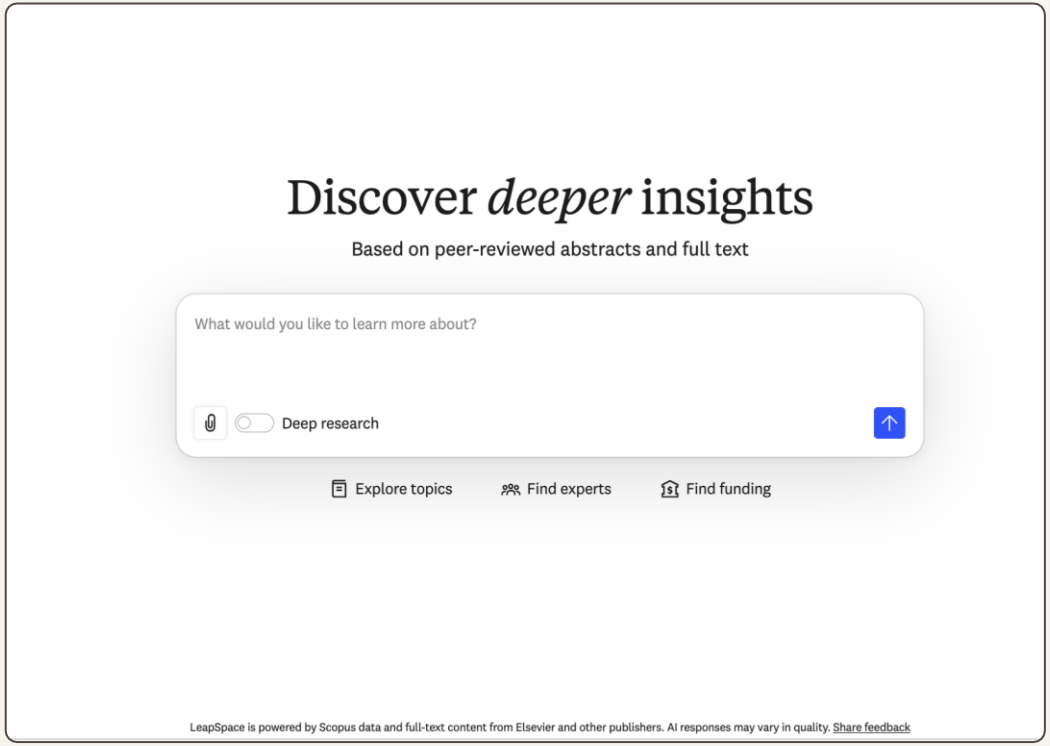
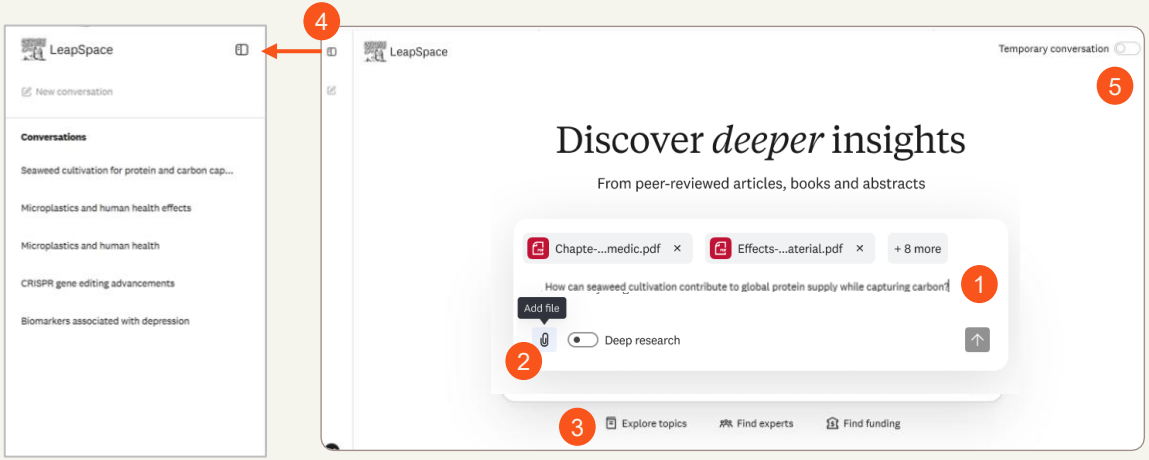


Accessing LeapSpace

Access LeapSpace via the URL: sciencedirect.com/leapspace

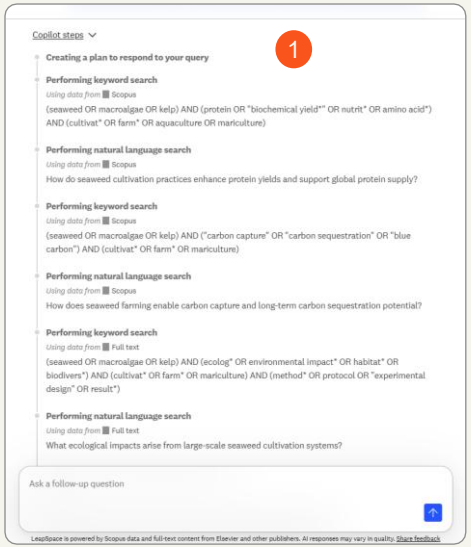


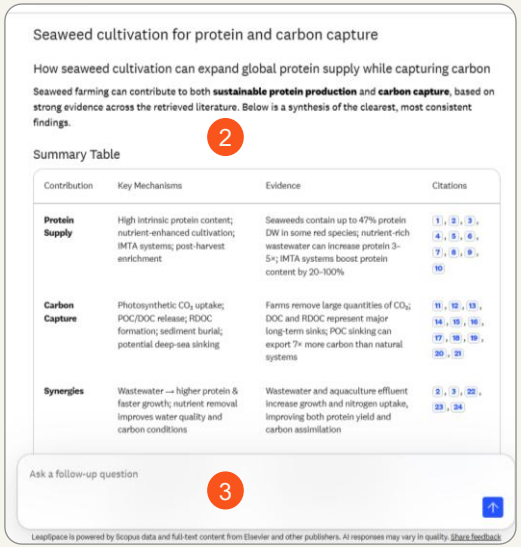
Begin your search



1. **Formulate your query:** Simply ask your question or describe your request in a natural, conversational manner. The tool supports complex research, including interdisciplinary fields.
2. **Add your own files:** Upload up to five files per conversation and ground AI responses in both your work and the published literature.
3. **Choose your search type:** The default search explores a topic, but you can also begin a search to find topic experts or funding.
4. **Revisit previous queries:** Conversational history provides an overview of your previous LeapSpace searches in a tab to the left side of the screen. There you will find up to 10 of your most recent searches listed, along with an option to load older history items – LeapSpace stores up to 200 conversations in total, with a maximum of 20 exchanges per conversation.
5. **Begin a temporary conversation:** Temporary conversation mode is designed for conducting exploratory, sensitive, or quick queries without retaining the chat history.

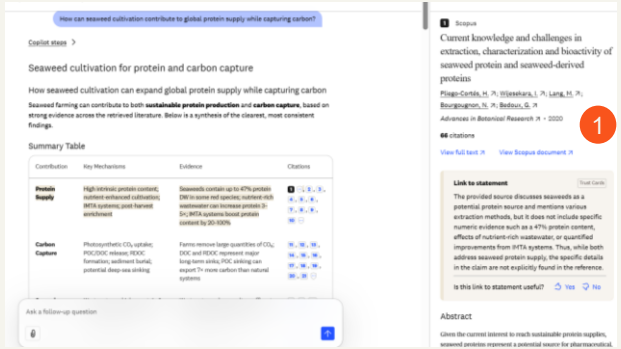
Analyze search results

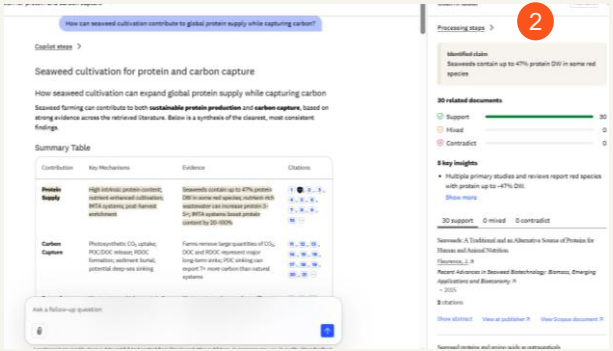




1. **Review the answer steps:** LeapSpace always displays the steps it takes to answer your question. This transparency builds trust and supports an essential skill in the age of AI - computational thinking or breaking a problem into parts and solving each step logically.
2. **Examine the topic overview:** Review the structured topic overview to see the main points quickly. The Summary synthesizes content from relevant documents.
3. **Ask a follow-up question:** You can use the follow-up feature to elaborate on specific points from the report, refocus your query to explore new perspectives, or zoom in on a particular area of interest.

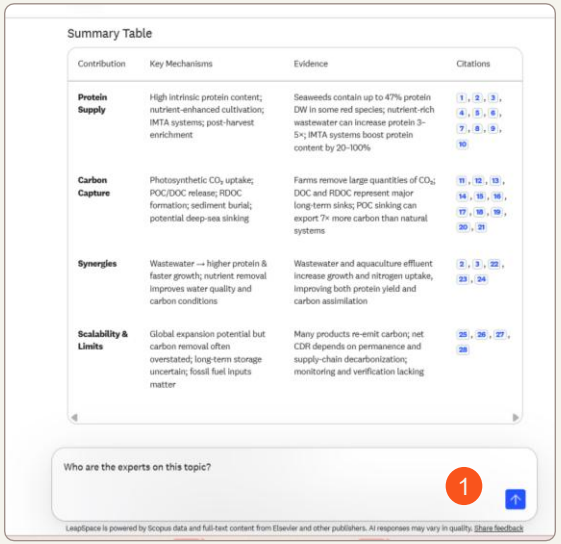
Verify claims and reliability

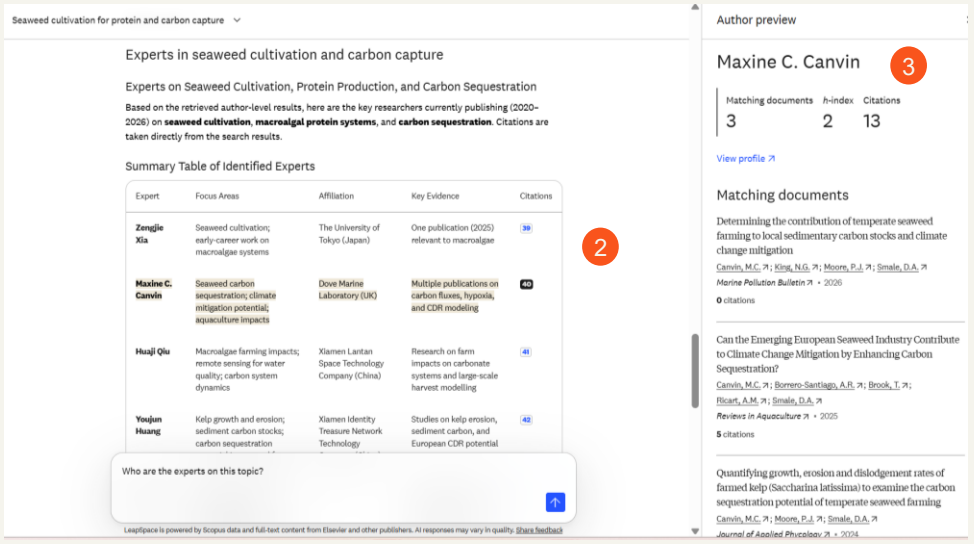




1. **Verify claims with Link to Statement:** Trust Cards are a signal that help you quickly evaluate the reliability of an AI-generated insight in a LeapSpace response. When you click on a reference, a panel appears showing bibliographic details and a “Link to statement” paragraph, which indicates how closely the claim aligns with the source. It also highlights the related section of the abstract or full text used to generate that claim.
2. **Validate insights across the research landscape:** Claim Radar identifies verifiable claims within the response, then validating those claims against the broader research landscape. It analyzes up to 40 of the most relevant sources across 100M+ Scopus indexed papers to show whether evidence supports, contradicts, or presents mixed findings, with clear visual summaries and an evidence trail.

Find experts and potential collaborators



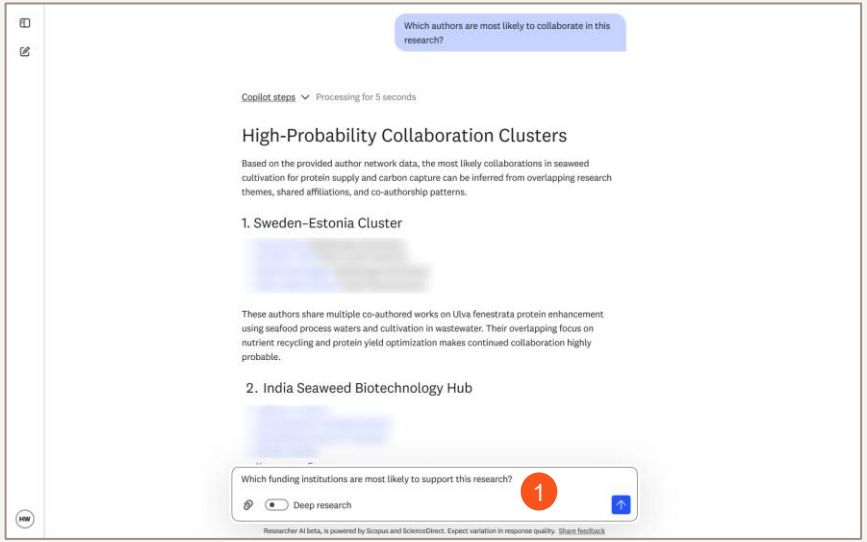


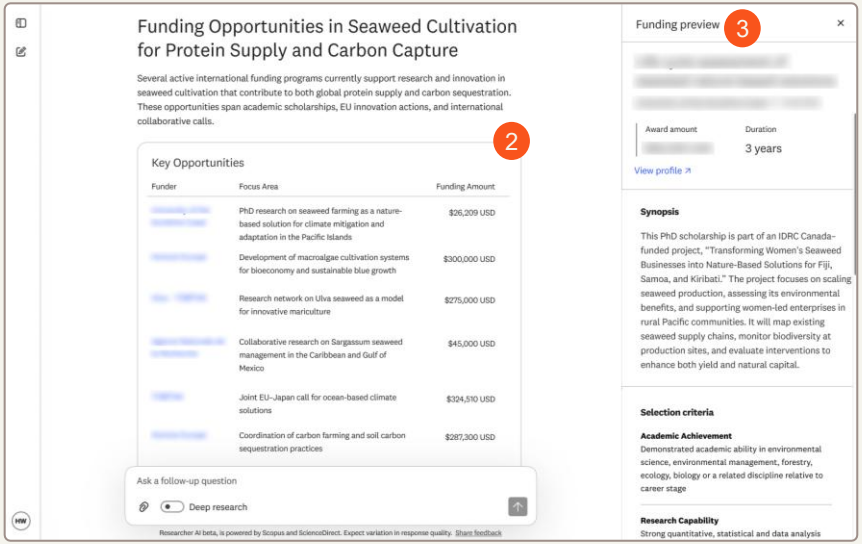
1. **Identify topic experts and potential collaborators:** Once the topic overview is complete, you can identify key people working in the field by asking LeapSpace—using the ‘Ask a follow-up question’ feature—to see the top experts or to suggest potential collaborators.

2. **Review the list of Active contributors:** LeapSpace generates a list of people who are working in your specific topic.

3. **Dive into expert insights:** You can deep-dive into any person on the list to review their experience and past work. This data is sourced from Elsevier's Scopus database.

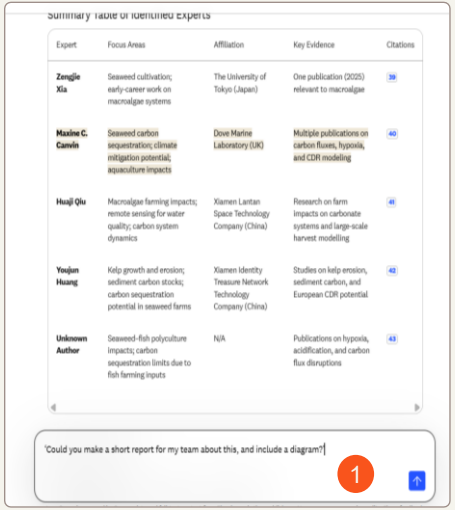
Explore funding opportunities

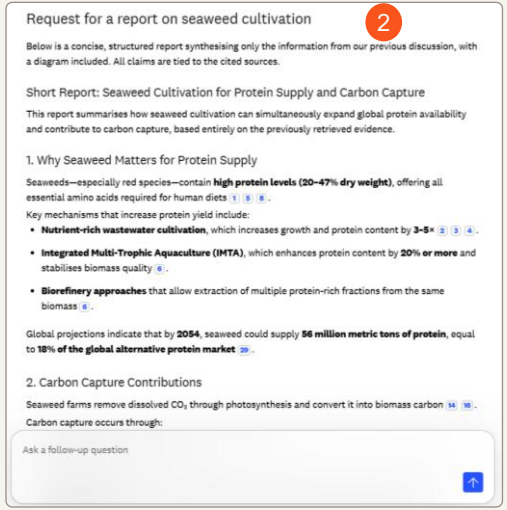




1. **Inquire about funding:** To find out who is funding research in this topic, use the ‘Ask a follow-up question’ feature.
2. **Review funding sources:** You can see a list of the major funding sources for this area of research.
3. **Identify specific funding opportunities:** You can drill down into specific funding opportunities that are behind each funder, which may be a source of funding for you.

Create a report of your findings

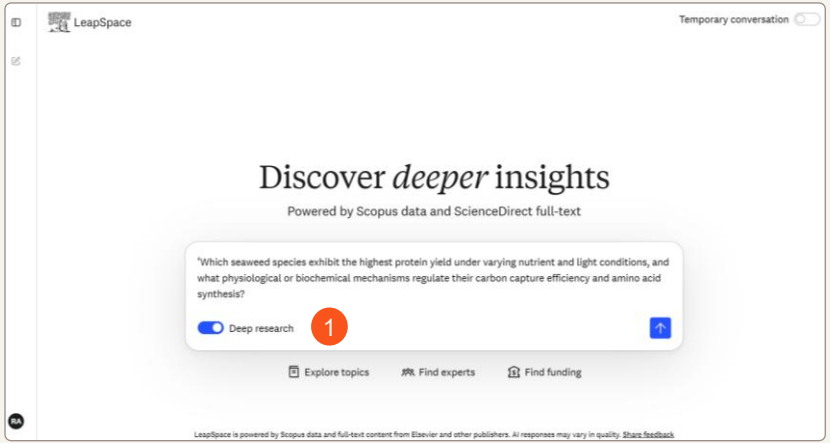


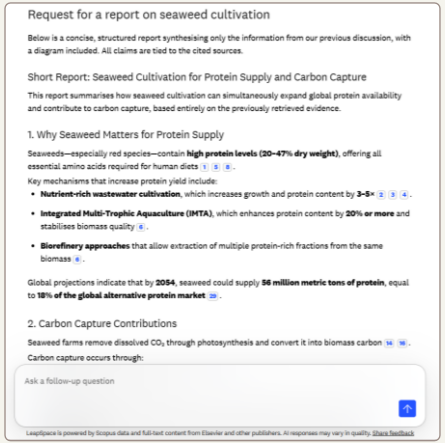


Generate a report: Use the ‘Ask a follow-up question’ feature to create a report to share key findings with your team

Analyze the report: LeapSpace uses the previous turns as context and generates a structured report, including a diagram. It also pulls in the associated references from the earlier steps — combining everything found in one place.

Generate a Deep Research Report





1. **Develop a comprehensive, well-reasoned report:** Deep research takes your exploration a step further—producing comprehensive, well-reasoned reports in minutes. When you pose a question, Deep research goes beyond summarizing existing information—it develops a detailed research plan, conducts extensive searches across the curated literature in LeapSpace, and refines its approach as new insights emerge.
2. **Analyze the report overview:** Quickly review a structured, fully referenced summary—including key findings, a direct answer to the query, study scope, assumptions and limitations, synthesis and discussion, future research directions, conclusions, and recommended reading.

Resources for more information

- See the full vision in our LeapSpace Demo Video (vision external with upcoming features)
- LeapSpace Quick Reference Guide (external version with frequent updates)
- For more information, visit the support center
- Visit the LeapSpace Resource Center for additional resources
- Check out to the LeapSpace LibGuide to help users quickly find and use the most relevant resources

Have questions?
Contact your dedicated Customer Success Manager

CSM name

CSM email

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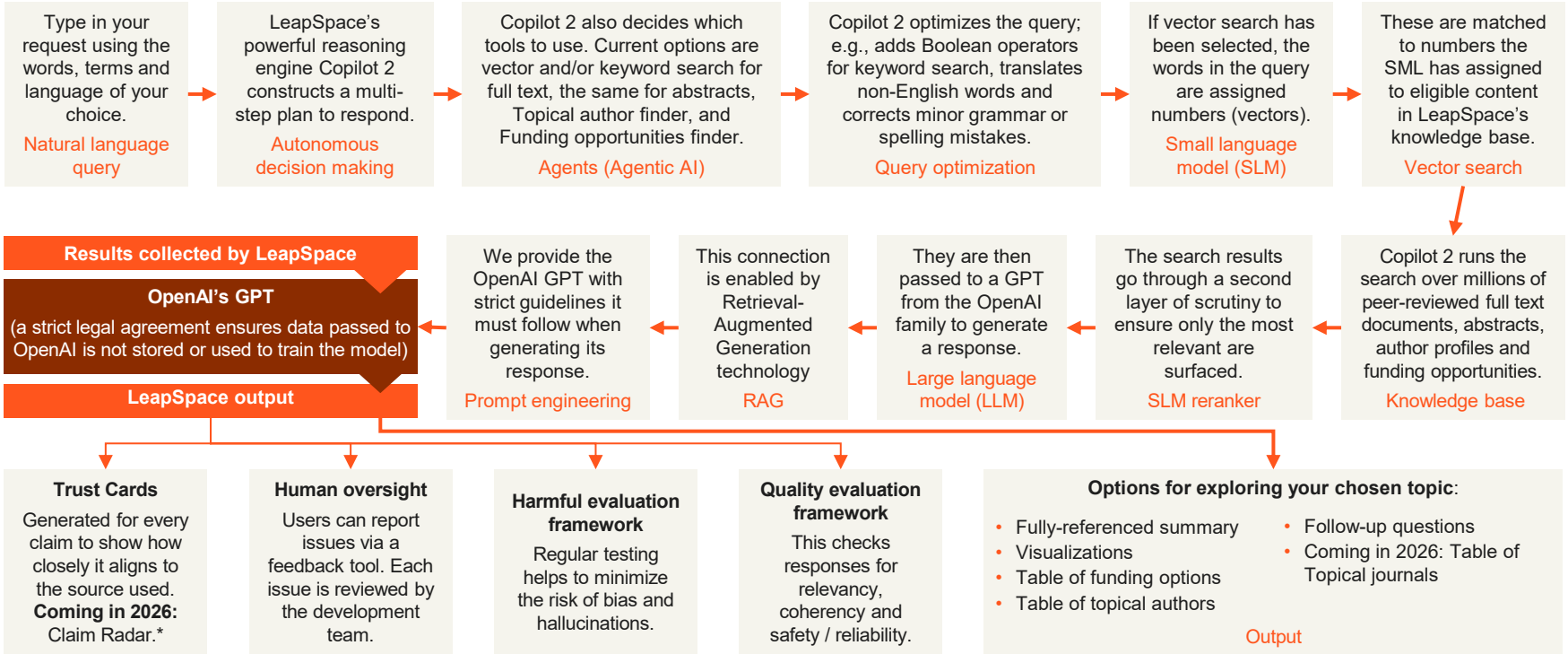
Appendix material

LeapSpace technical flow: From input to output



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* Claim Radar will show how closely each claim aligns to the broader literature.

Advancing human progress together