

## Beyond Search: AI-Powered Literature Review in the Age of Deep Research - Thursday, 4 April 2025 (created by Chat GPT)

The chat content discusses the use of AI-powered tools for literature review, focusing on the current landscape of generative AI policies, guidance, and resources for researchers. Key points include:

1. **Generative AI Policies:**
  - **Elsevier** has a policy for AI-generated content in its journals. [Elsevier AI Policy](#)
  - **Tri-Agency AI guidance** provides rules for using generative AI in research proposal development. [Tri-Agency AI Guidance](#)
  - An **AI Disclosure Statement** template is available for transparency about AI tools used in research. [AI Disclosure Statement](#)
2. **Deep Research and Tools:**
  - The article references Ali Shiri's work and podcast on "Deep Research" at the University of Alberta, offering insights into generative AI. [Ali Shiri's Deep Research](#)
  - Workshops on running Local Large Language Models (LLMs) are offered by the University of Alberta Libraries.
3. **Open Source vs Paid AI Tools:**
  - Open-source LLMs can be run locally to preserve data privacy, but care must be taken to ensure the content is not stored or distributed.
  - Paid options like **NotebookLM Plus** and **Elicit** offer additional capabilities, such as processing large numbers of papers, creating multiple reports, and supporting more advanced features.
  - **DeepL** is recommended for translation services, and the tools primarily support English, with varying results for non-English languages. [DeepL Translator](#)
4. **Key Differences Between Elicit and NotebookLM:**
  - Elicit is optimized for academic material analysis, generating reports and CSVs, but lacks multimedia support.
  - NotebookLM allows multimedia integration, like podcasts, and is more flexible in terms of output formats.
  - **Subscription Models:** Some features, like processing more than 50 papers or generating multiple reports, are available only with paid subscriptions.
  - For a comparison of AI tools for literature reviews, see [AI Tools Comparison Chart](#).
5. **Citation Practices:**
  - It is essential to double-check sources used in AI-generated notes and include proper citations in literature reviews.
  - AI tools used in research should be disclosed, and some journals may require a formal AI disclosure statement. The AI Disclosure Statement template can be found [here](#).