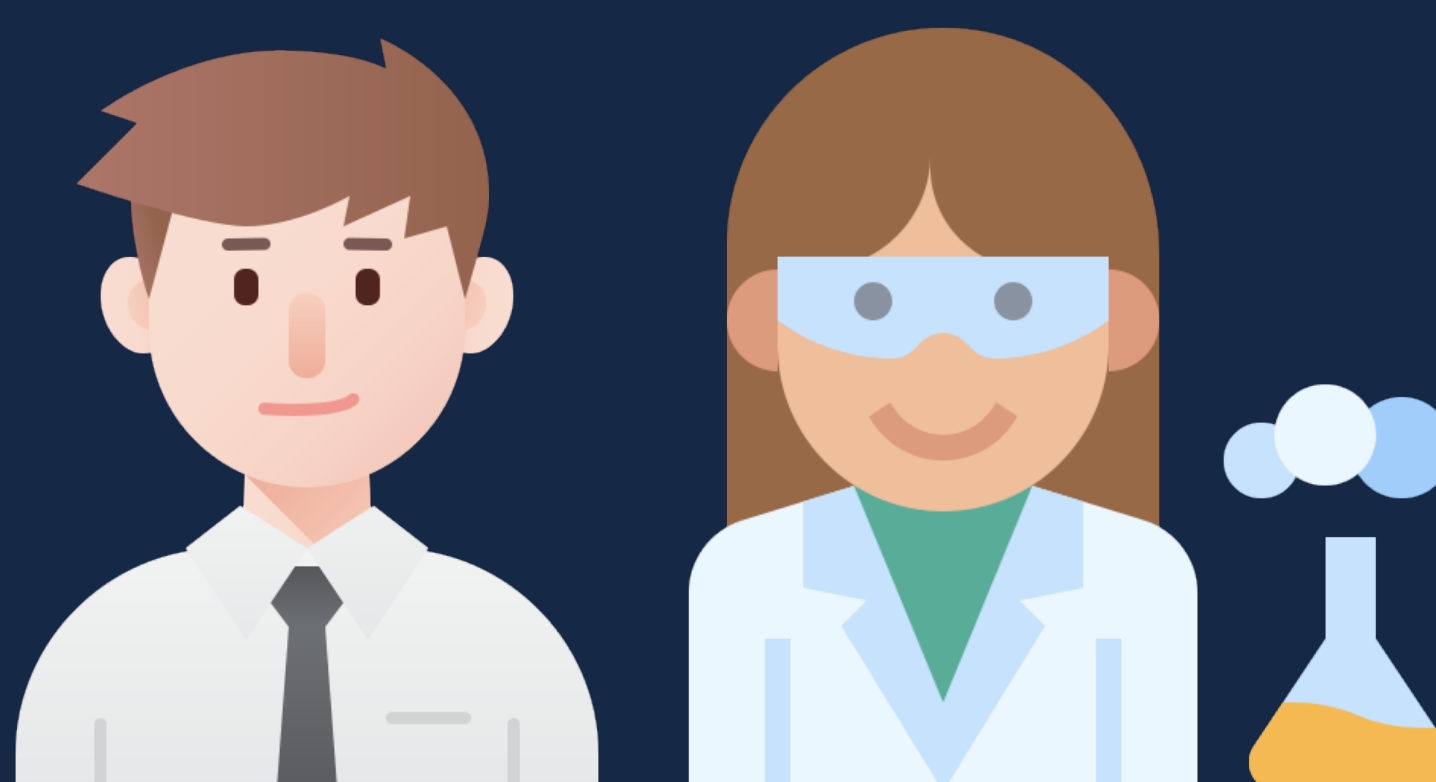


# AI-enhanced Funding Strategies (Horizon Europe)

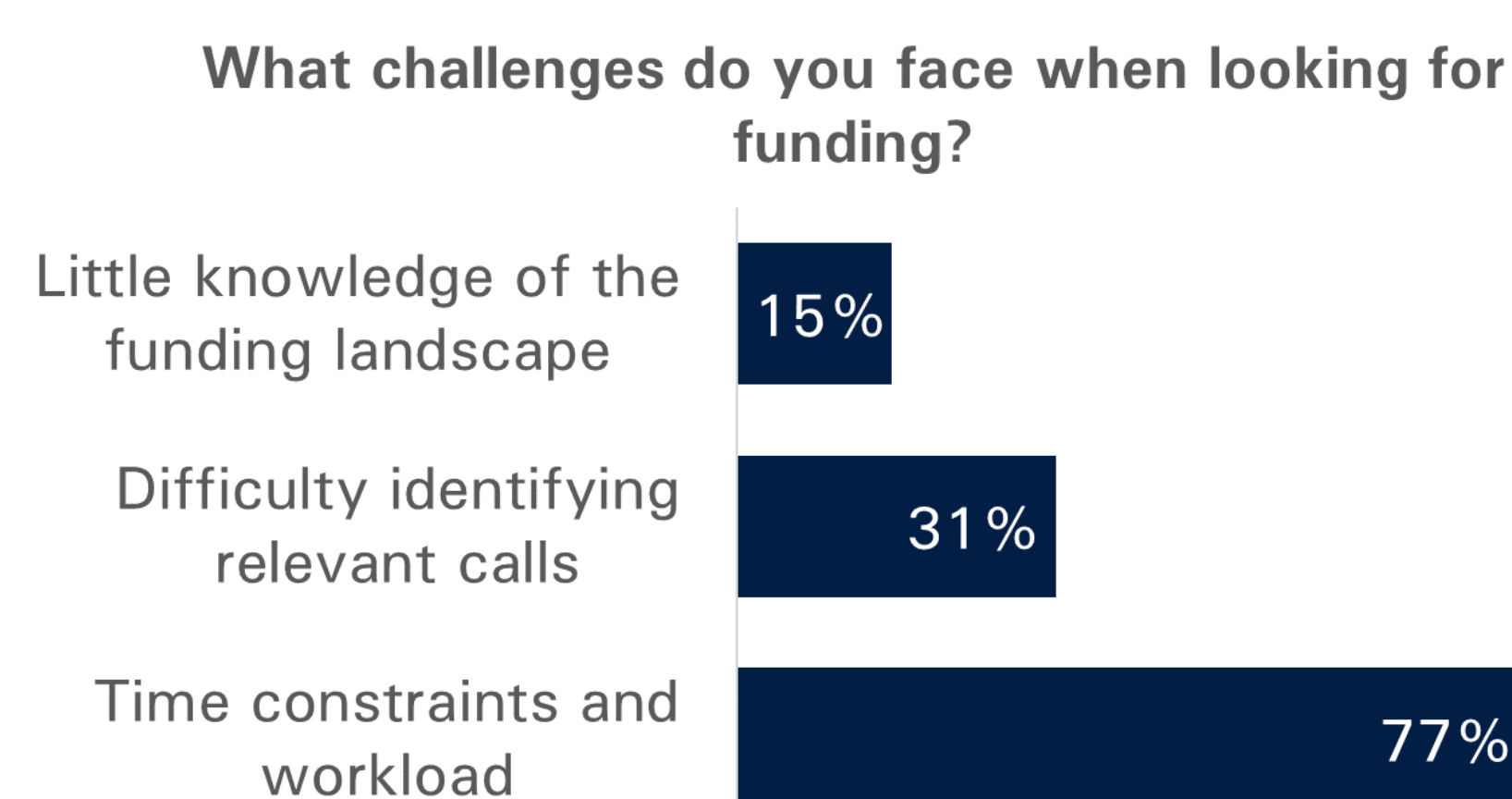
Halmer I., Meyenberg D., Peinhaupt M. & Kaineder K.,  
University for Continuing Education Krems, Office for Grant Acquisition



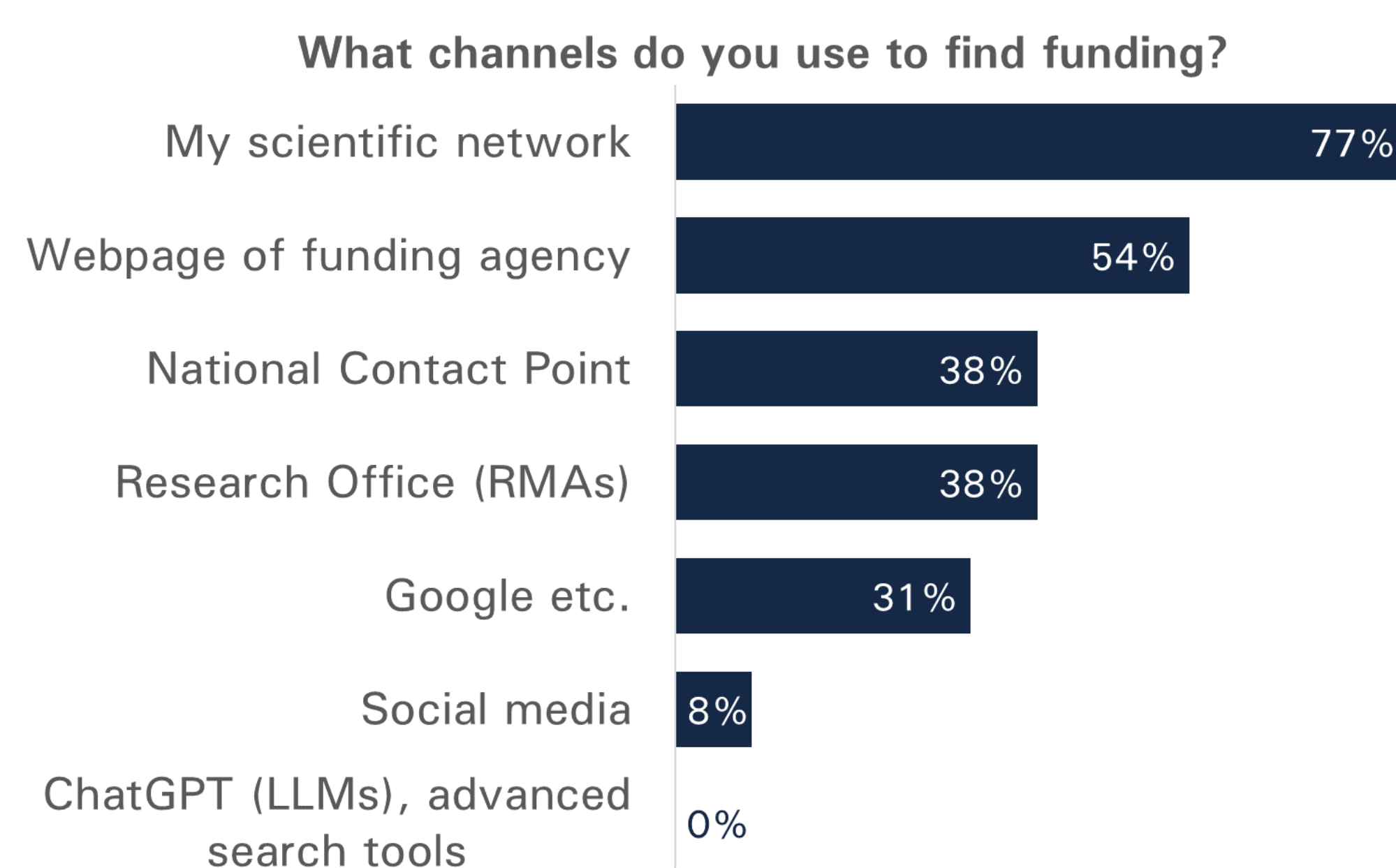
Survey with 13 researchers  
at UWK



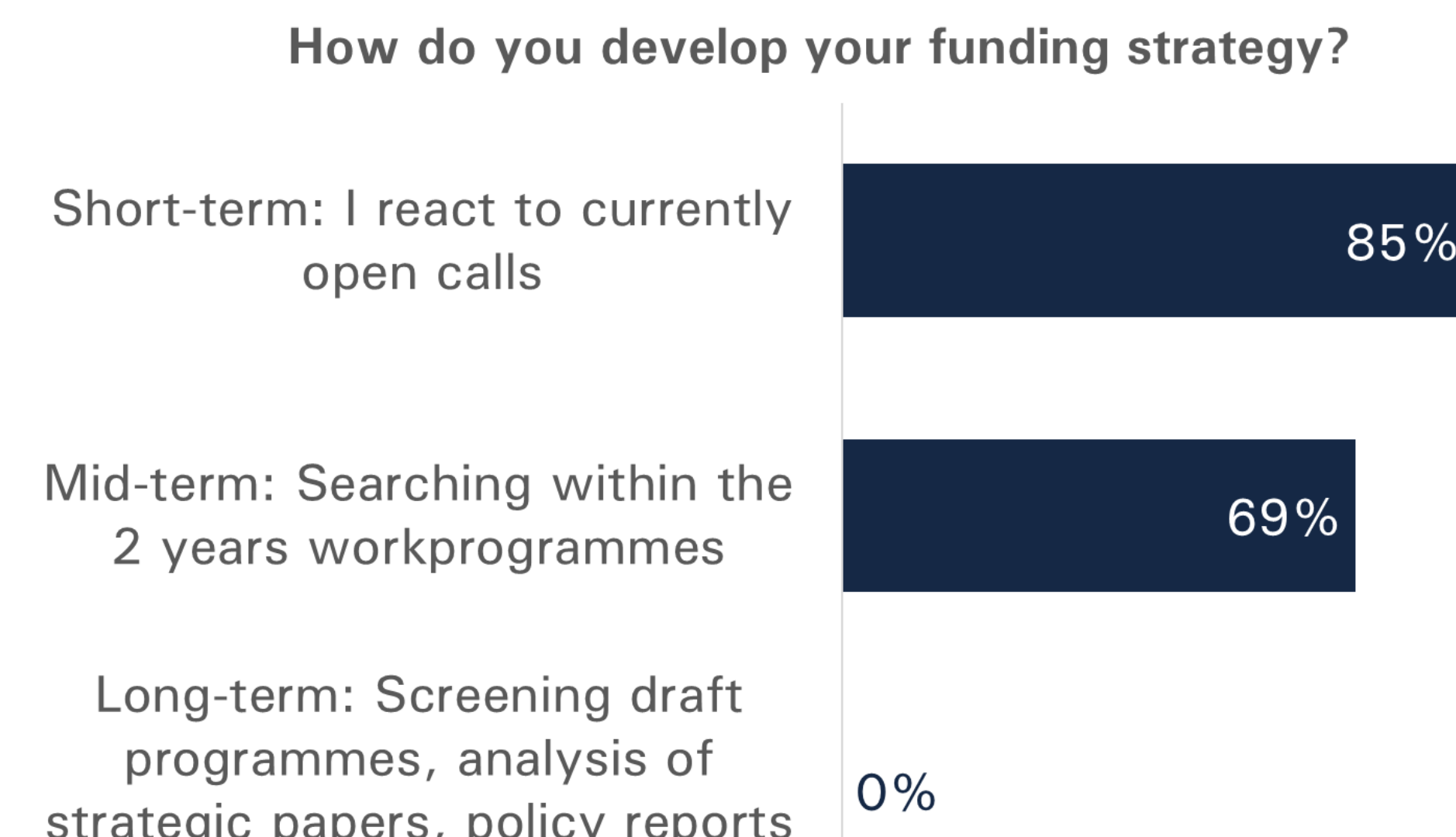
85% do not use AI yet  
92% think that AI will have an impact  
on the funding system in general  
100% would like additional support  
100% would like to receive call  
recommendations



Problem: Lack of resources



Unutilised technological novelties

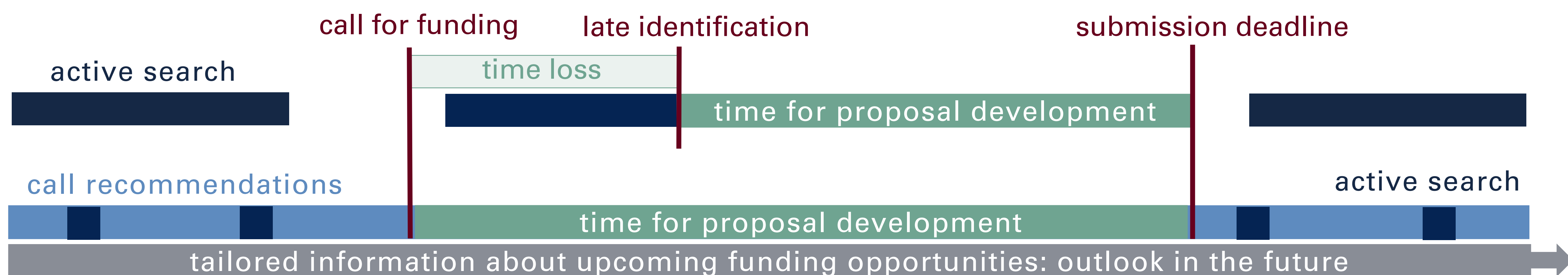


Result: No long-term strategy

## Solution: AI and Automation?

UWK researchers have stated in a survey (n=13) to engage in **active funding acquisition efforts up to 12 times a year**. The **active search process** of researchers will be assisted by research managers using **AI-enhanced funding databases and tools**. In parallel, a **passive search support** will be offered via continuous **call recommendations** and **targeted information about upcoming funding**. This integrated approach facilitates a more time- and resource-efficient proposal development.

**Short- & midterm**  
funding strategy:  
reactive state

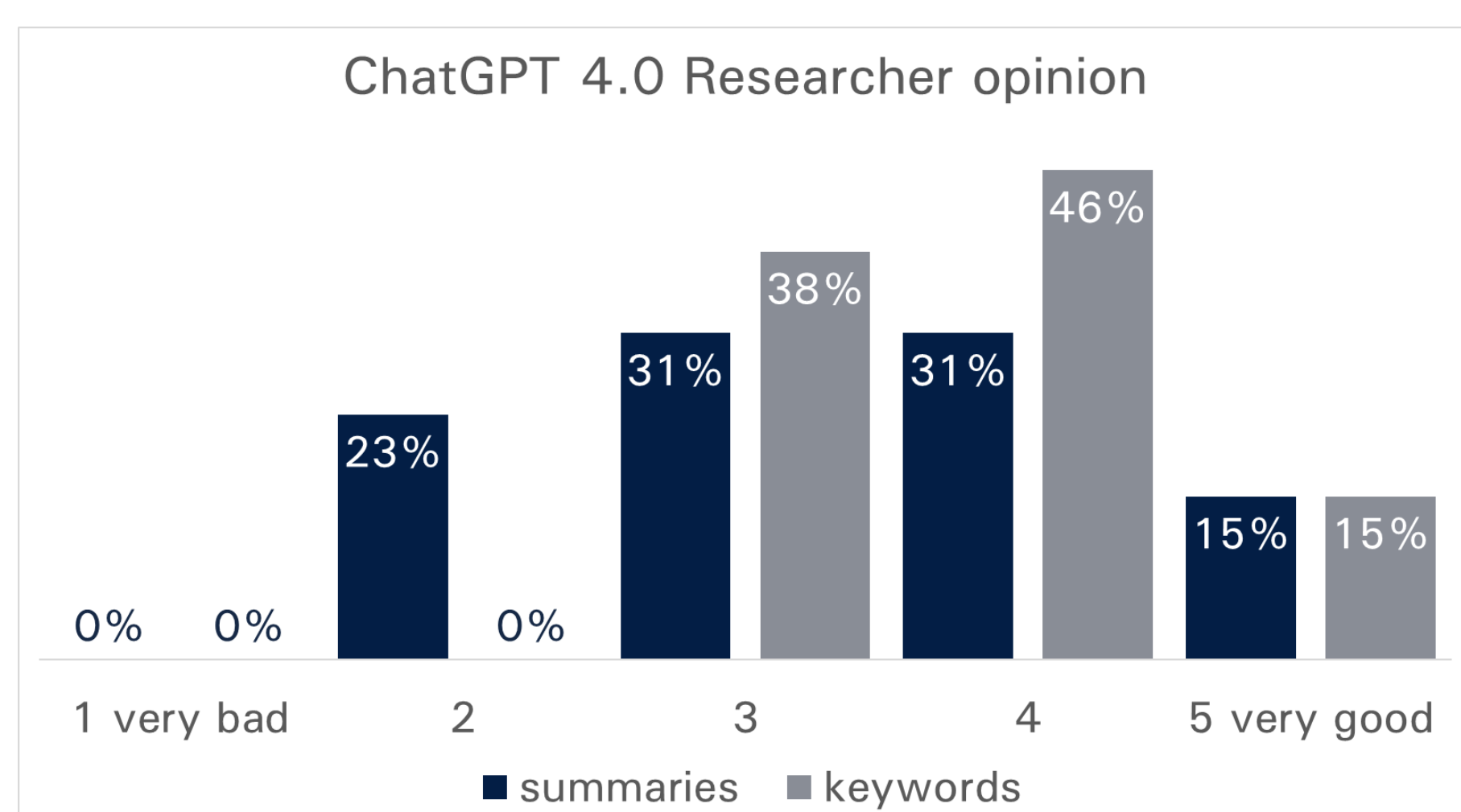


**Long-term**  
funding strategy:  
proactive state

## Comparison of Tools

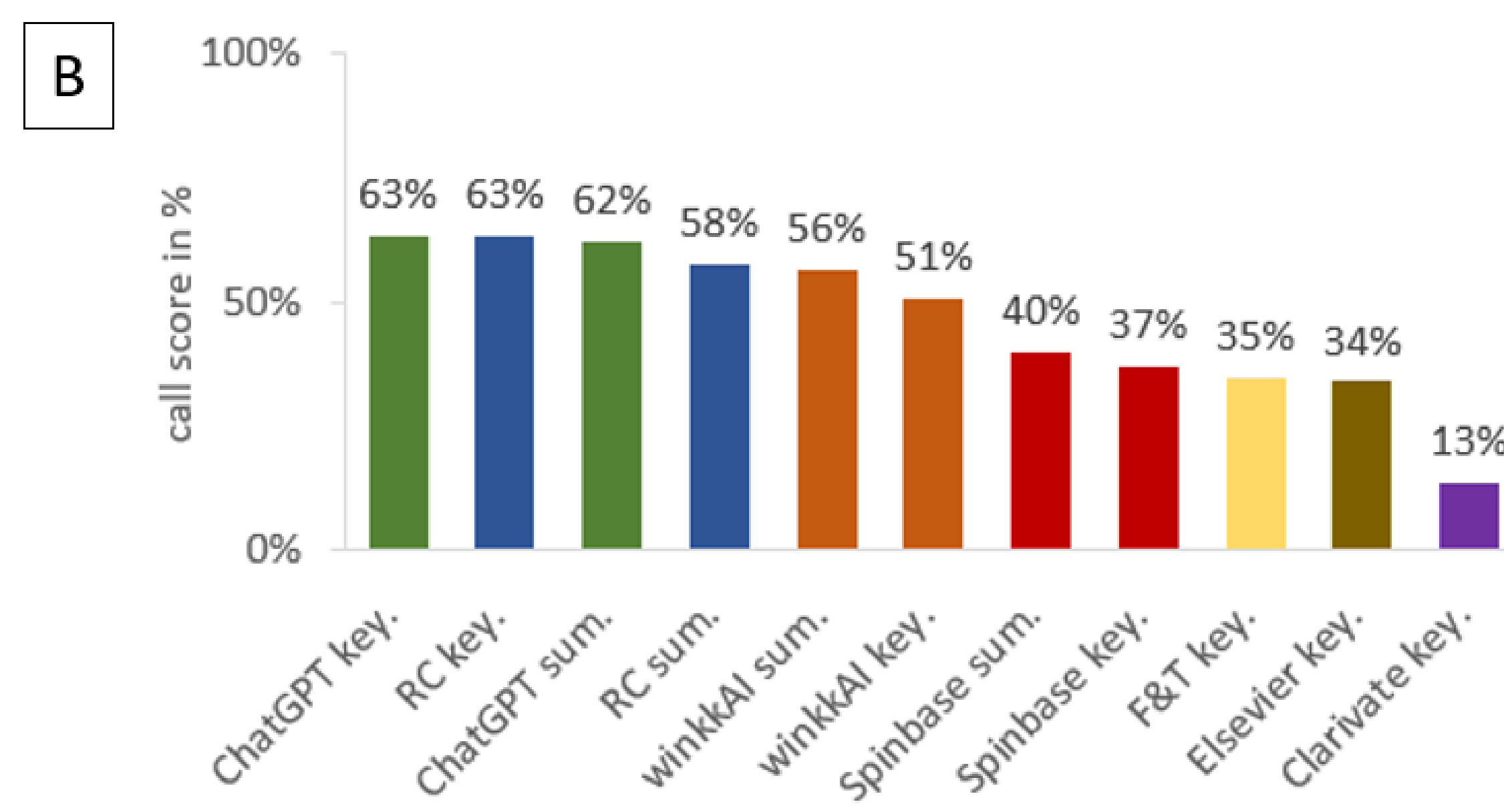
### Research Profile Analyzer ChatGPT 4.0

Creation of a GPT with special instructions to generate research keywords and research profile summaries. **Input from internal database:** project abstracts, conference list with title, publication list with title, last 5 publications as full text.



The AI-generated keywords and summaries were used as search query in seven different tools. The top three recommended calls were selected and evaluated by the corresponding researcher (n=13) with call score from 1 to 4 representing the thematic fit

| Search Tool    | call score in % | call score sum |
|----------------|-----------------|----------------|
| maximum        | 100%            | 156            |
| ChatGPT key.   | 63%             | 99             |
| RC key.        | 63%             | 99             |
| ChatGPT sum.   | 62%             | 97             |
| RC sum.        | 58%             | 90             |
| winkkAI sum.   | 56%             | 88             |
| winkkAI key.   | 51%             | 79             |
| Spinbase sum.  | 40%             | 62             |
| Spinbase key.  | 37%             | 58             |
| F&T key.       | 35%             | 54             |
| Elsevier key.  | 34%             | 53             |
| Clarivate key. | 13%             | 21             |



**Performance (relevant calls) comparison of tools.** Shows the sum of reached call scores in % and the absolute numbers used for the charts. Call scores are scores from 1-4 and represent the thematic fit between call and researcher. (n=13). The maximum total call score sum of 156 is the maximum score when all calls would have a perfect thematic fit with a call score of 4. The abbreviations key. and sum. indicate what type of search query was used (key. = keywords, sum. = summaries)

\*UWK: University for Continuing Education Krems, AI: Artificial Intelligence, LLM: Large Language Model