

Combining Specialist Knowledge for Comprehensive Problem Solving with AI Tools

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How can specialists from different fields combine their knowledge and use artificial intelligence tools to develop more comprehensive solutions to complex problems?

Complex problems increasingly require knowledge from several areas of expertise. Artificial intelligence tools can help specialists collect, connect, organize, compare, and develop knowledge from different disciplines. However, AI should support—not replace—the knowledge, experience, judgment, and responsibility of human specialists.

Discussion points

- How can AI tools help bring together specialists from different fields?
- How can AI facilitate the sharing and integration of specialized knowledge?
- How can specialists use AI to identify connections between knowledge from different disciplines?
- What types of complex problems could benefit most from this approach?
- How can human expertise and AI capabilities complement each other?
- How can we ensure that solutions developed with AI remain reliable, ethical, and understandable?
- What organizational models, networks, or platforms could support this kind of AI-assisted collaboration?
- How is this approach particularly relevant to retired professors, whose accumulated knowledge, experience, and professional networks could contribute to solving complex problems with the support of AI tools?
- How can retired professors collaborate with active professors, researchers, professionals, and other specialists through AI-supported networks?

The goal is not simply to use AI to solve problems, but to use AI to help people combine their knowledge and experience—including the knowledge and experience of retired professors—in ways that can lead to better, more comprehensive solutions.