Augmenting the Geoscientist: Enterprise-Level Agentic AI

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Oil and gas companies are standardizing on enterprise AI platforms. At the same time, AI is moving from conversational chatbots that answer questions toward agents that carry out multi-step work across applications. For geoscientists facing growing data volumes, smaller teams and frequent data hand-offs between interpretation tools, this shift could change how interpretation work is done. This presentation argues that embedding a separate chatbot or local model in each application is a short-term solution that fragments the user experience and duplicates effort. Instead, it shows how the Model Context Protocol (MCP), an open standard adopted across the major AI platforms, lets a single enterprise assistant operate across an entire interpretation toolkit. The talk outlines how copilot workflows built on this approach can support the geoscientist while keeping them in control of decisions and results and concludes with a live demonstration of Paradise running inside an agentic framework through its MCP connector.