GIS and the Geospatial Ecosystem: Creating the World You Want to See

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SUMMARY

Recent advancements in Artificial Intelligence (AI), including Deep Learning (DL) and GenAI, are opening up new opportunities for National Mapping, Cadastre and Land Registry agencies to innovate and automate key business processes, and deliver significant cost and efficiency gains.

The presentation will set out a vision for how AI can be used today and in the future by Land Administration authorities. Examples will be presented of how AI is being used for successful change detection, feature and information extraction from imagery and unstructured text. Recent developments in the application of Large Language models will also be described which open up exciting opportunities to enhance the user experience for both professional and non-professional GIS users.