Leading Digital Transformation: Guiding Principles for Responsible GeoAI Adoption in Government

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SUMMARY

Technology is a fast-moving, ever-evolving, key infrastructure. Governments are expected to not only embrace new technology but also be more responsive and more agile in their approaches to service delivery, while continuing to enhance the quality and variety of these services in an easy to consume format. Artificial Intelligence (AI) is the latest technological disruptor that is at the forefront of digital government. Add geospatial data to AI and the result is GeoAI – that is, the application of AI with geospatial data, science, and technology.

In response to this powerful and potentially transformative technology, Governments around the world are quickly addressing the future of AI and GeoAI in their jurisdictions by enacting new laws and frameworks. However, in addition to the adoption of appropriate legal underpinnings, there are a variety of measures and practices that need to be put into action to ensure positive change through the leverage of GeoAI. Not only do government leaders need to be ready to adopt GeoAI effectively in their operations, but they also need to ensure that they continue to serve all stakeholders equitably, be prepared to mitigate any biases in AI/GeoAI derived work products, and secure the confidence and trust of the stakeholders in the presented results and outputs. This presentation will look at 6 guiding principles for leaders of digital transformation initiatives, inclusive of GeoAI, that are critical for sustained success: 1) security, 2) privacy, 3) transparency, 4) fairness, 5) reliability, and 6) accountability.