The Future of Spatial Data

Andrej Mocicka (Australia)

Key words: Cadastre; Capacity building; Digital cadastre; e-Governance; Geoinformation/GI; GSDI; History; Spatial planning; Standards

SUMMARY

This presentation will delve into what is likely to be the future of spatial information. It will initially look back at where spatial data has come from, where it currently is and what the possibilities are for the future. □Covering such topics as data standards, formats, structures, systems, applications and governance in the roads travelled and to be traversed. Naturally enough, discussion on the current trends of AI and ML and their potential influence on the spatial sector will be covered. □The presentation will discuss some of the various data standards that exist and what the benefits are for adherence to them. How data formats have evolved over the years from ASCII, DXF, DGN data files to LandXML and the many modern formats such as GeoJSon. The various data structures, such as manual recording to computer floppy discs, hard drives and to today's cloud technology. How systems and applications create data and how they have evolved, and continue to evolve. □Discussion will also focus on how the above topics are fundamental to ensuring infrastructure in our society is best served by t□With the emphasis on how it is important to ensure data, spatial data in particular, has, is and will be validated to make it fit for purpose and the consequences of ignoring this. □

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