(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/10/2023

(21) Application No.202311067003 A
(43) Publication Date : 27/10/2023

(54) Title of the invention : A SYSTEM AND METHOD FOR EFFICIENT VISUALIZATION OF GEOSPATIAL DATA BY ZOOM-ADAPTIVE DATA GRANULARITY TECHNIQUES

(51) International classification	:G06F0016290000, G06F0003048100, A61B0005000000, G06T0017050000, H04W0004020000
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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(57) Abstract :
Embodiments of the present disclosure relates to a system (100) and method (300) for efficient visualization and analysis of geospatial data at varying zoom levels by dynamically adjusting the level of detail by applying adaptive data granularity techniques. The system (102) comprises a processor (202) coupled to a memory (204). The memory (204) stores processor-executable instructions. The processor (202) is configured to organize geospatial data into a plurality of zoom levels to adjust a level of detail. Next, the processor (202) is configured to customize the level of detail displayed at the plurality of zoom levels. Thereafter, the processor (202) is configured to render the geospatial data in real-time based on the level of detail. In the end, the processor (202) is configured to overlay the geospatial data onto real-world surroundings.

No. of Pages : 25 No. of Claims : 10