

Advantages of Identifying Urban Footprint using Sentinel-1

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SUMMARY

This article shows the result obtained for generating the urban footprint. The case study is based on Sentinel 1 images, having as objective the city of Bucharest. Based on coregistration and calculating coherence operations, and also applying raster mathematical operations, the relevant results in the studied area were obtained. It is also highlighted the possibility of using those results in urban development studies and spatial planning.