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Introduction. Cities built on unconsolidated sediments consisting of clays, silt, peat, and sand, are particularly susceptible to subsidence. Such regions are common in delta areas, where rivers empty into the oceans, along flood plains adjacent to rivers, and in coastal marsh lands. Building cities in such areas aggravates the problem for several reasons:

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The groundwater overexploitation and the overloading resulting from urban development have caused land subsidence and deformation, which in turn have affected the stability of both ground constructions and underground man-made facilities. This study sought to use the PS-InSAR method as a means for monitoring land deformation.

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