

High Resolution Vertical Land Motion along the U.S. East Coast

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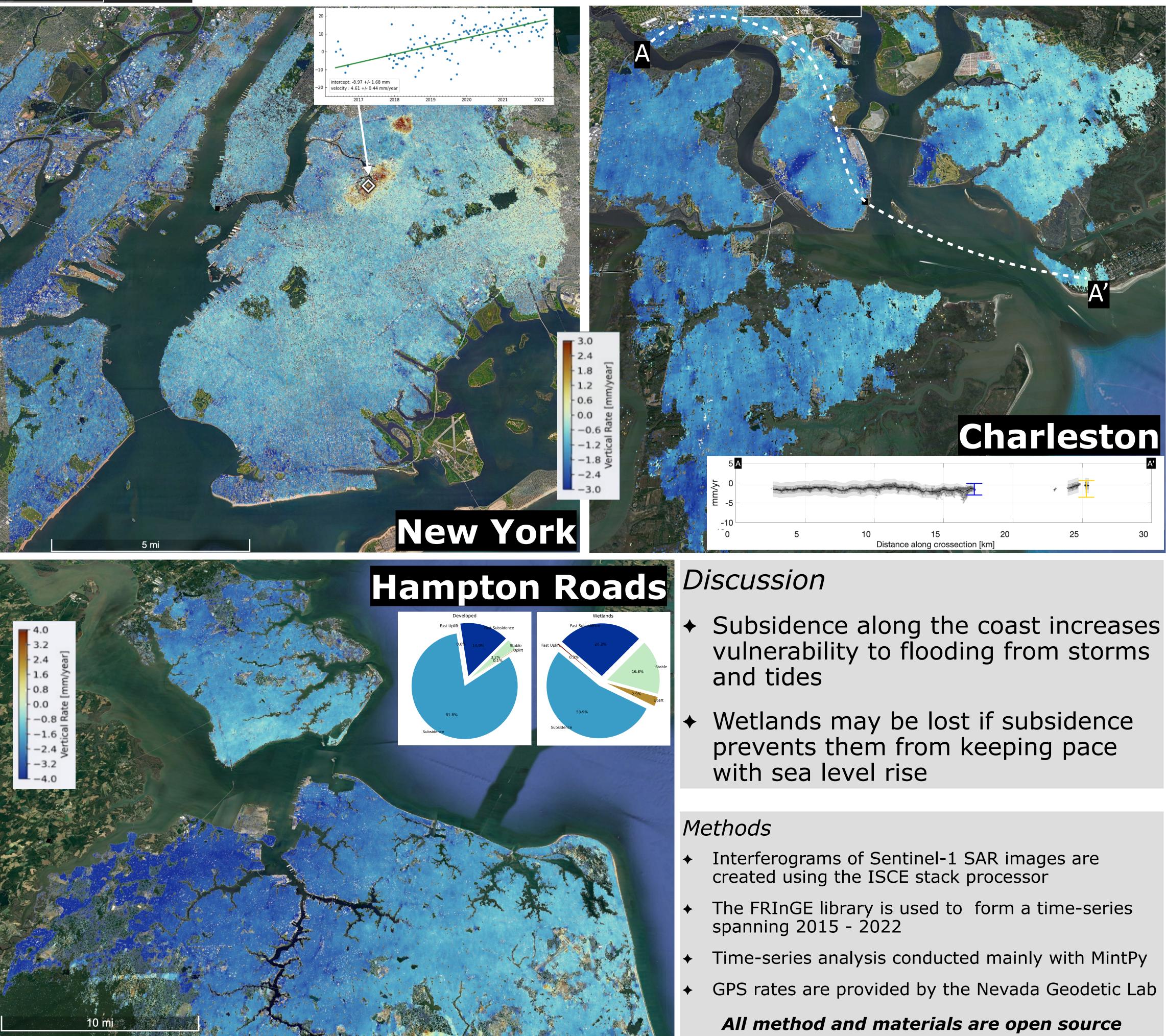


Charleston

State-of-the-art InSAR techniques enable unprecedented observations of coastal vertical land motion (VLM)

- Large swaths of cities along the U.S. East coast are sinking at rates of -1 to -5 mm/yr
- There is considerable spatial variability in VLM, with hotspots of both subsidence and uplift
- Urban centers and coastal wetlands are particularly

vulnerable to subsidence



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