SkyGeo

Interactive displacement map Houston

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InSAR: driving the change how we look at risk



A technique to estimate **mm-scale** displacements

Using a radar satellite with an archive of almost **30 years** in many places

InSAR = Interferometric Synthetic Aperture Radar



We can estimate how everything is moving on a millimetre scale, on a daily to weekly basis, using InSAR





GLOBAL DATASET





Examples of business-problems we help with

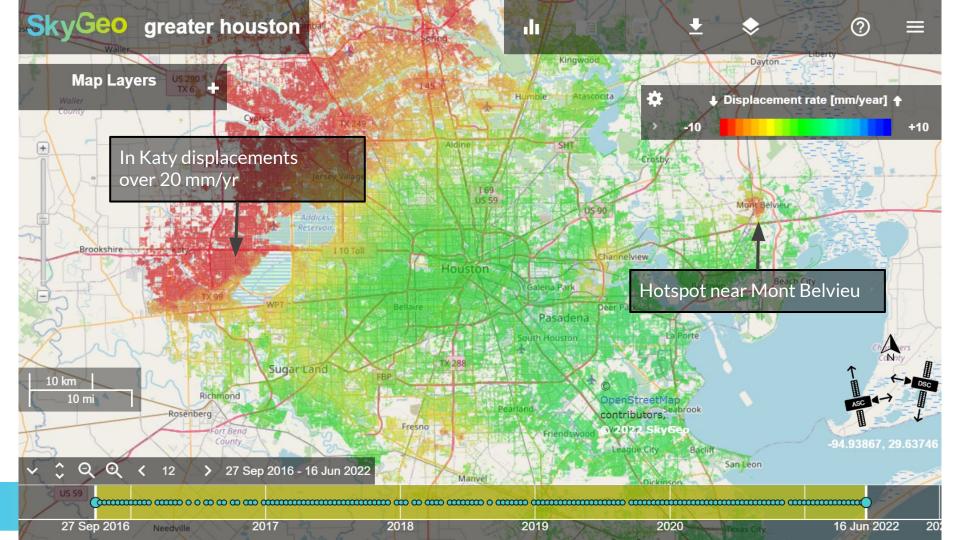
- Historical investigations for legal disputes
- Prioritizing asset maintenance
- Active monitoring of mine sites where on-site investigation is expensive or too dangerous.
- Conformity and containment assessment for oil-gas-CO2 fields
- Building/bridge foundation investigation
- Landslide monitoring

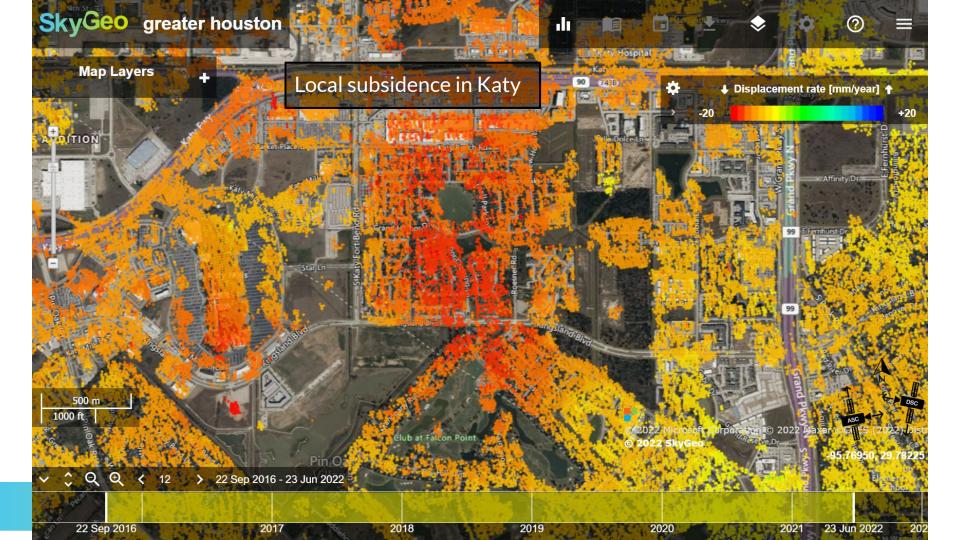


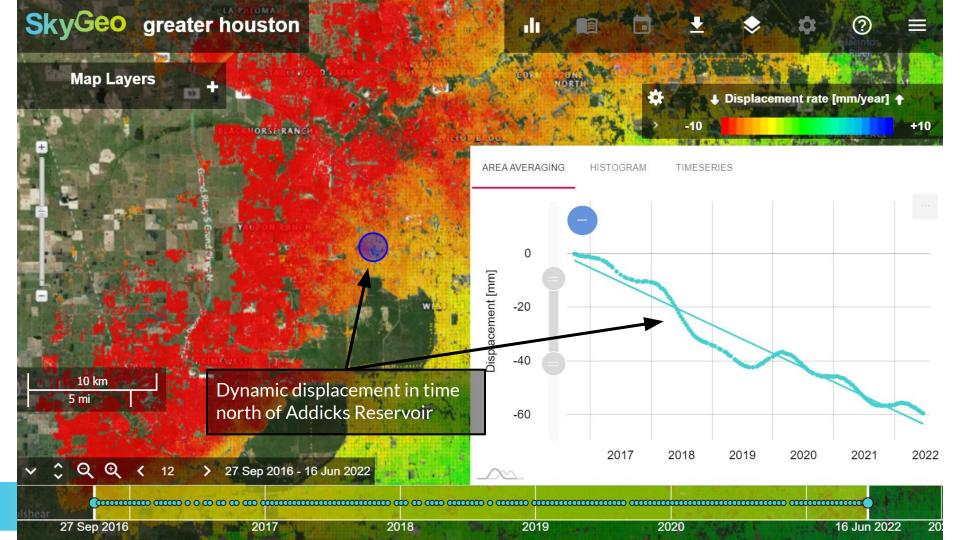
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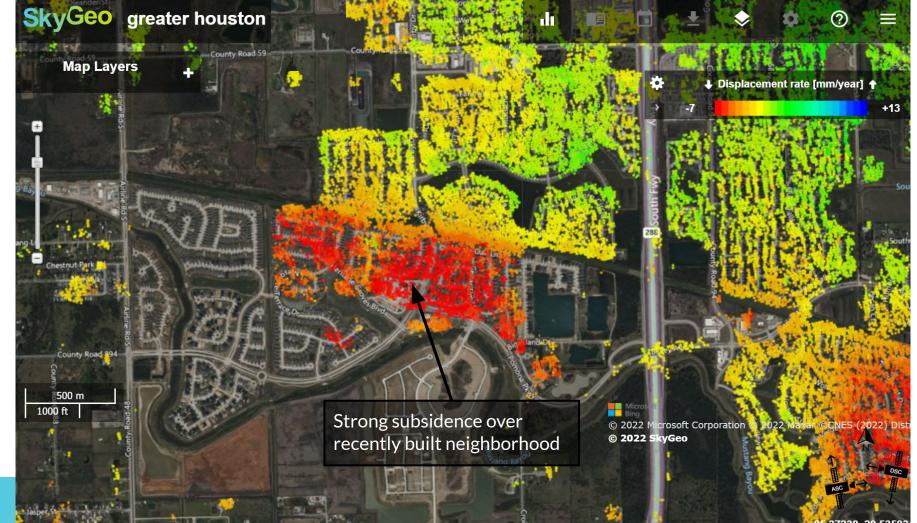
- Map purely meant for basic exploration. It is not optimized and therefore not meant for specific geotechnical or civil applications.
- Based on freely available source data: Sentinel-1
- More than 20 million measurement points
 - Each measurement point has a deformation time-series of >150 observations
 - Precision in the order of mm/yr
 - Covering a time period of 2016 -2022











-95.37238, 29.53593

Release of the interactive displacement map

- Do contact me if you would like to get early access
- Public limited release is scheduled next couple of weeks





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