

Copernicus CLMS workshop

European Ground Motion Database

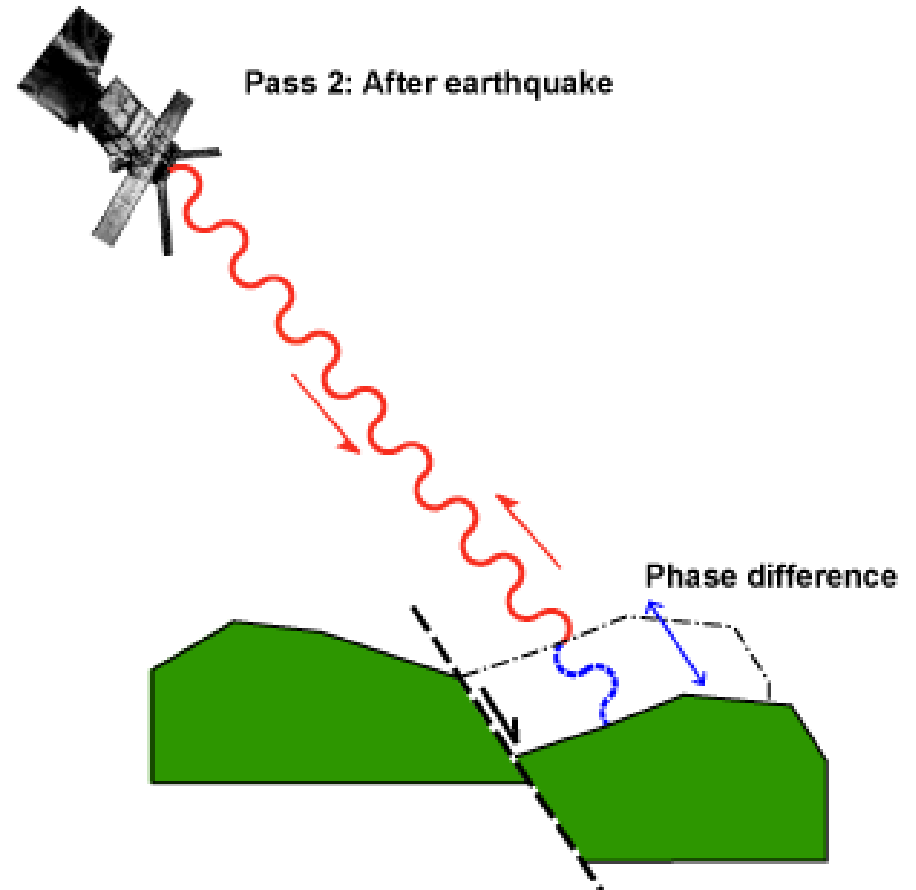
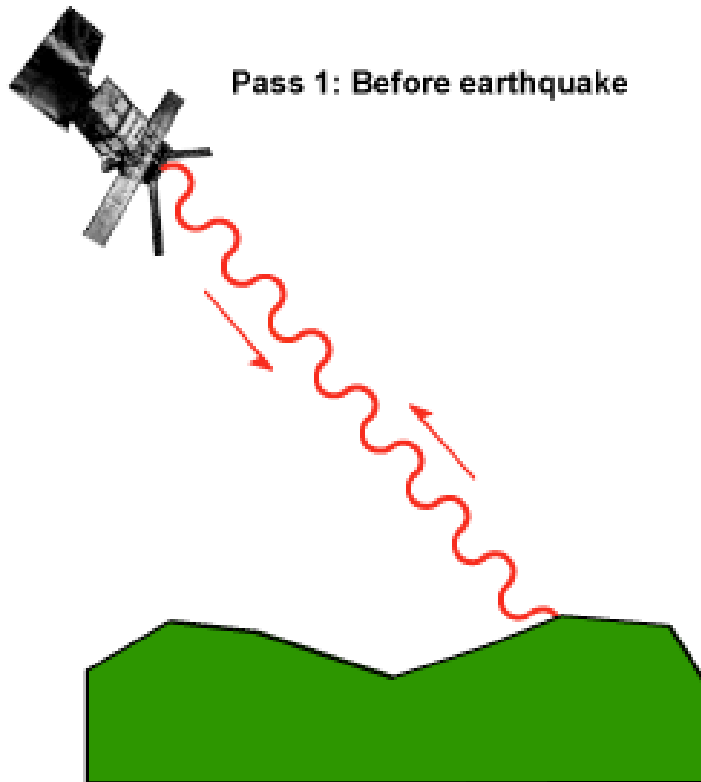
- How to add a new service element -



Jasper van Loon, Netherlands Space Office

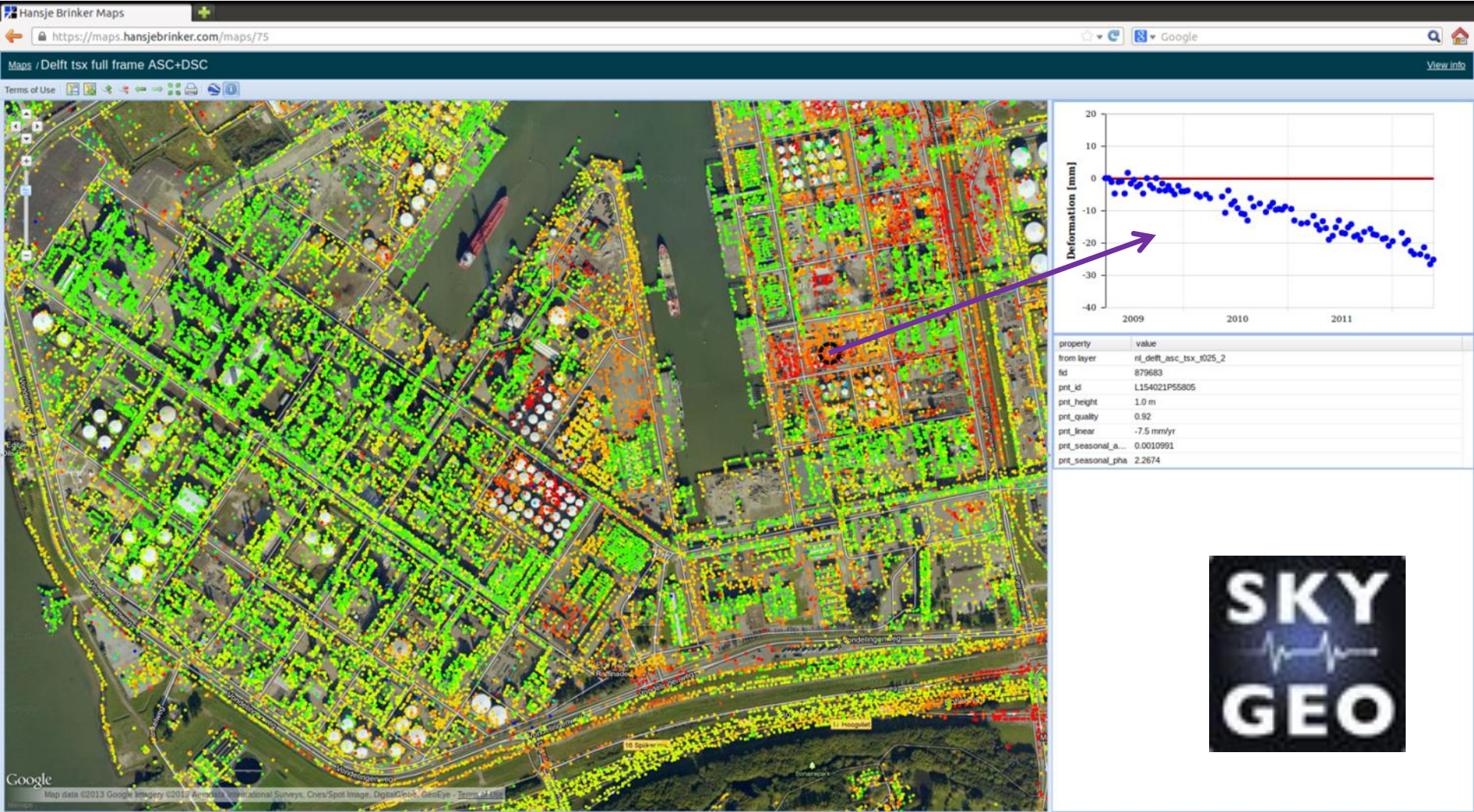


InSAR deformations





Deformations Port of Rotterdam





Deformations City of Oslo





European Ground Motion Database

Indirect users:

- Geohazards
- Geodesy
- Infrastructure (rail, road)
- Groundwater monitoring
- Natural resources extraction (gas, oil, etc.)
- Claim assessment (insurance, legal)
- Etc.



European Ground Motion Database

Product:

- Input data: Sentinel-1A/B (IW mode)
- Spatial resolution : 5 x 20 meter
- Temporal resolution: 12 months
- AOI: EU + Norway + Iceland
- Technique: InSAR (PS + DS)
- Standardization: Under discussion
- Validation: Under discussion



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- 6) **Limited additional costs criterion.** Cost efficient for certain regions, large-scale efficiency ✓



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- 9) **Amendment of Delegation Agreement** (with Entrusted Entity) ?