

PUTTING OUR MODELS TO WORK
Applications of 3D voxel models in real life situations

Jan Stafleu, Denise Maljers, Jan Gunnink, Freek Busschers,
Kay Koster, Susumu Tanabe, Ger de Lange and Pauline Kruiver

TNO innovation for life

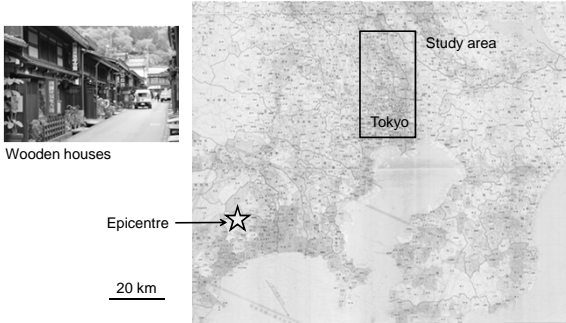
KANTO EARTHQUAKE (TOKYO) 1923

- > Magnitude 8.3
- > 4 - 5 minutes
- > ~ 142.000 casualties



TNO innovation for life

DAMAGE-RATIO WOODEN HOUSES 1923



Wooden houses

Epicentre

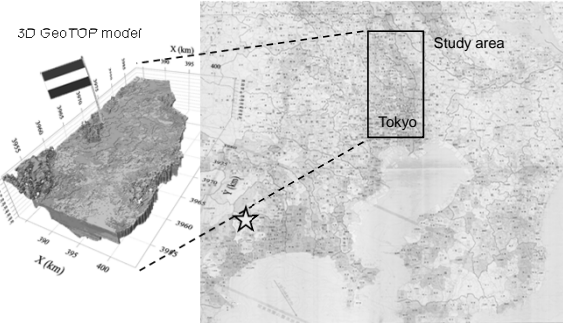
20 km

Study area

Tokyo

TNO innovation for life

MAPPING SOFT MUDS THE DUTCH WAY

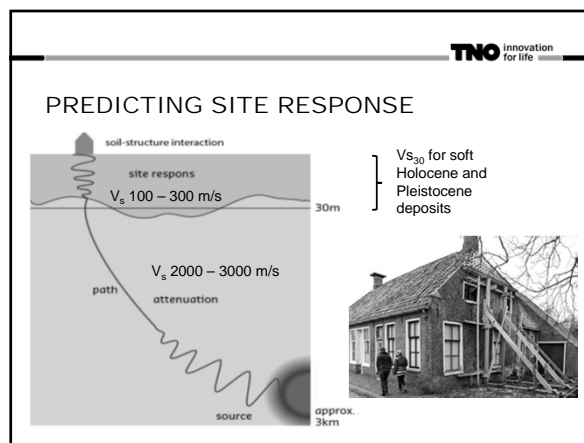
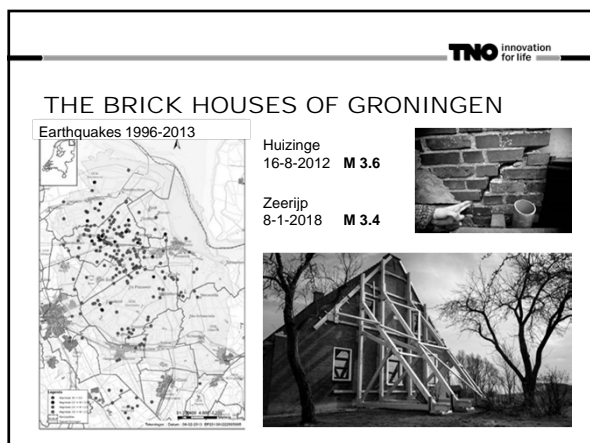
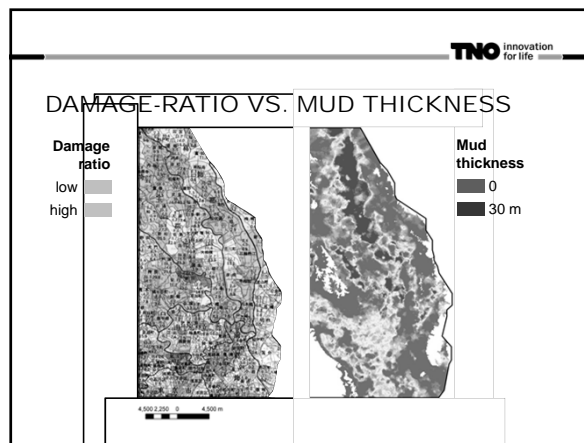
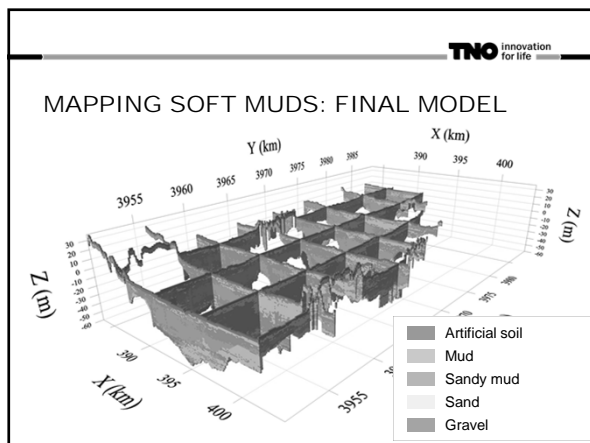


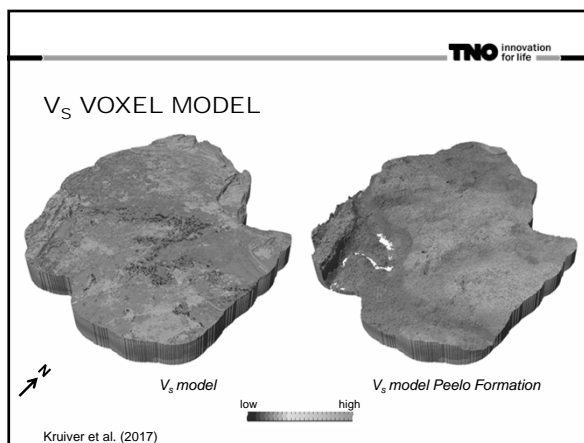
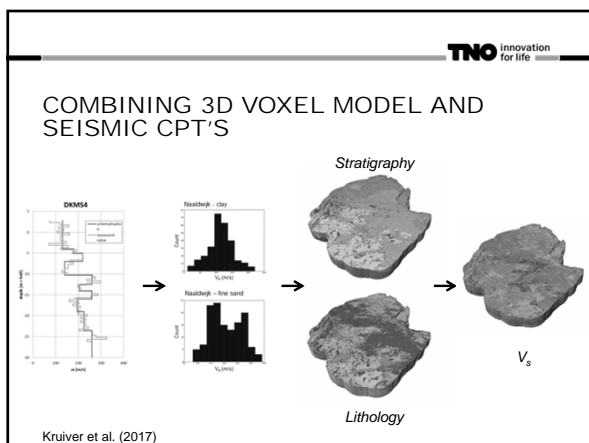
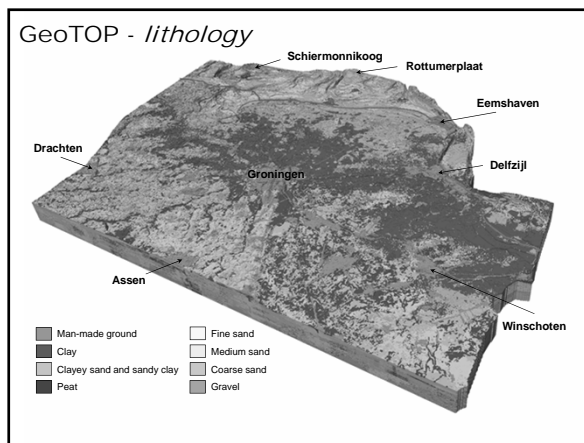
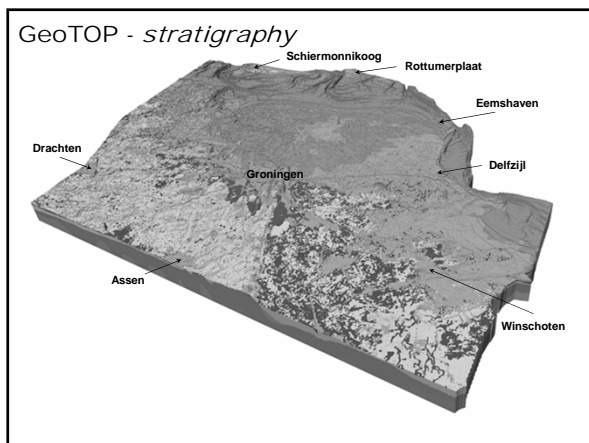
3D GeoTOP model

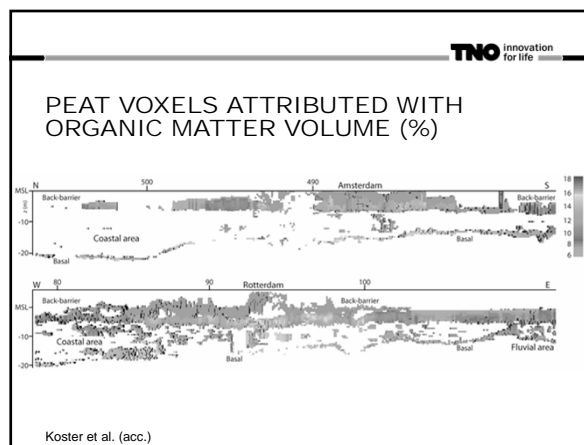
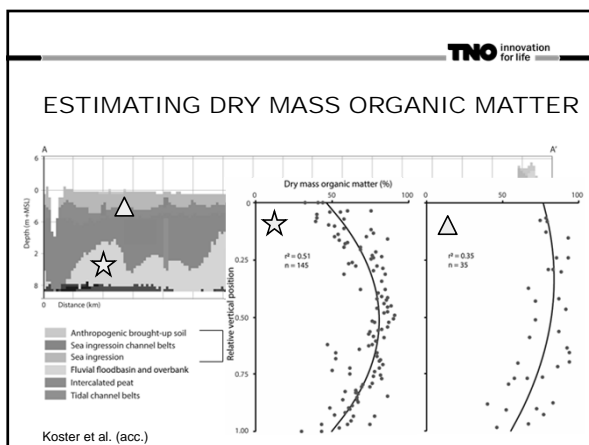
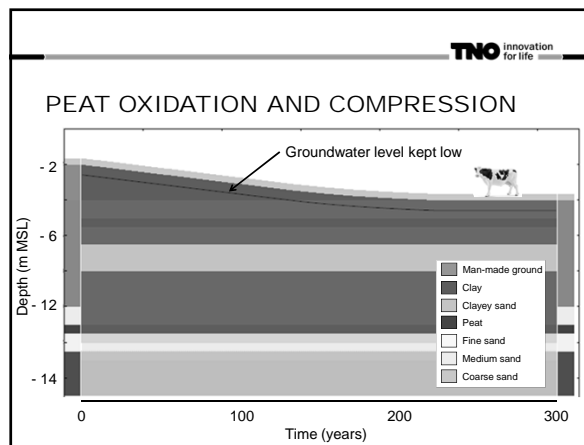
Study area

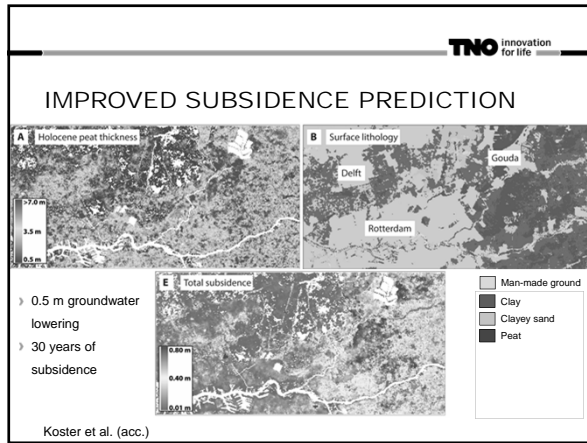
Tokyo

X(km)









THANK YOU FOR YOUR ATTENTION