

Overview

Soil part of
MERCImproject

Influencing factors of
liquefaction

Liquefaction video

Research

Outlook

Condition indicators for liquefaction susceptibility of silty and sandy soils

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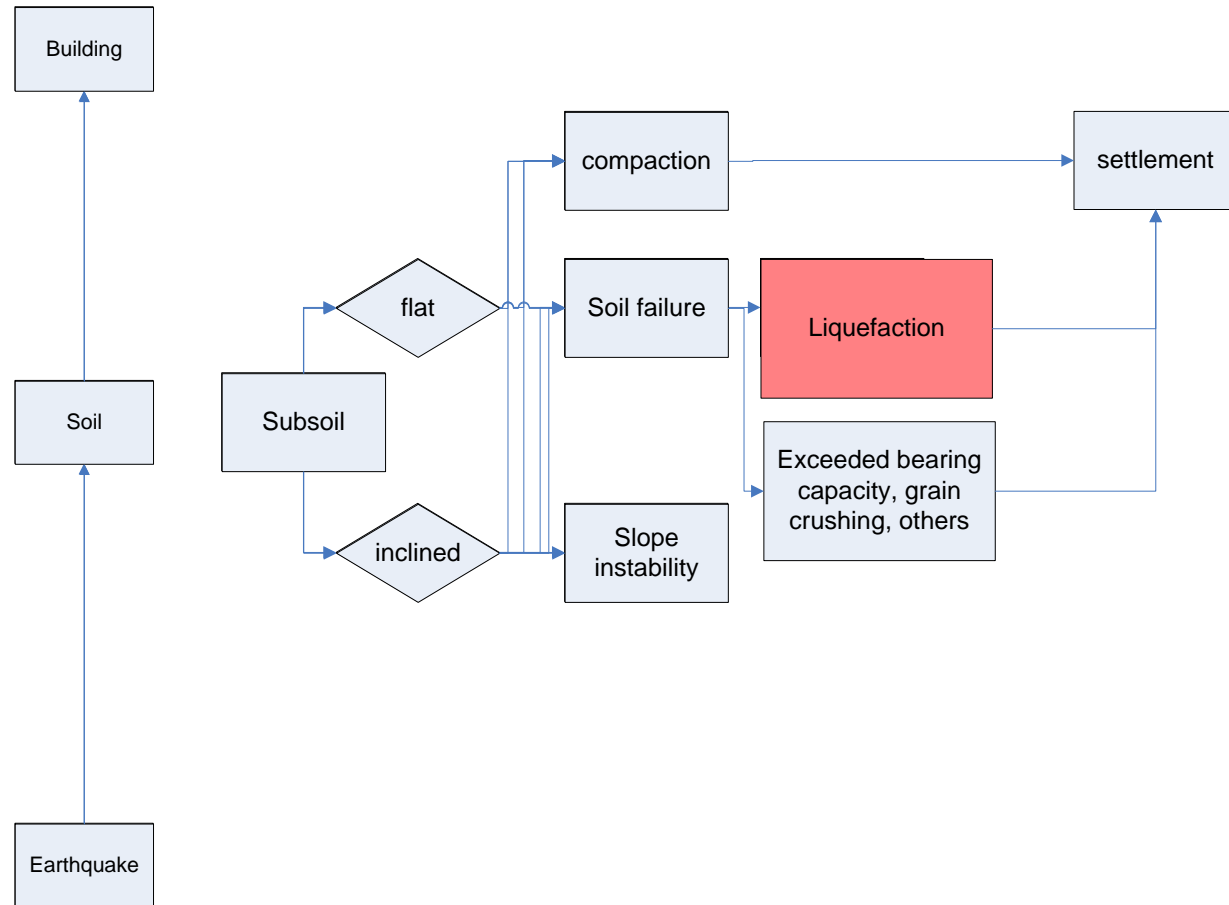
Research

Outlook

- Soil behaviour in the MERCI project
- Focus on liquefaction
- Ongoing research
- Outlook



Soil phenomen due to Earthquakes



Overview

Soil part of MERCIproject

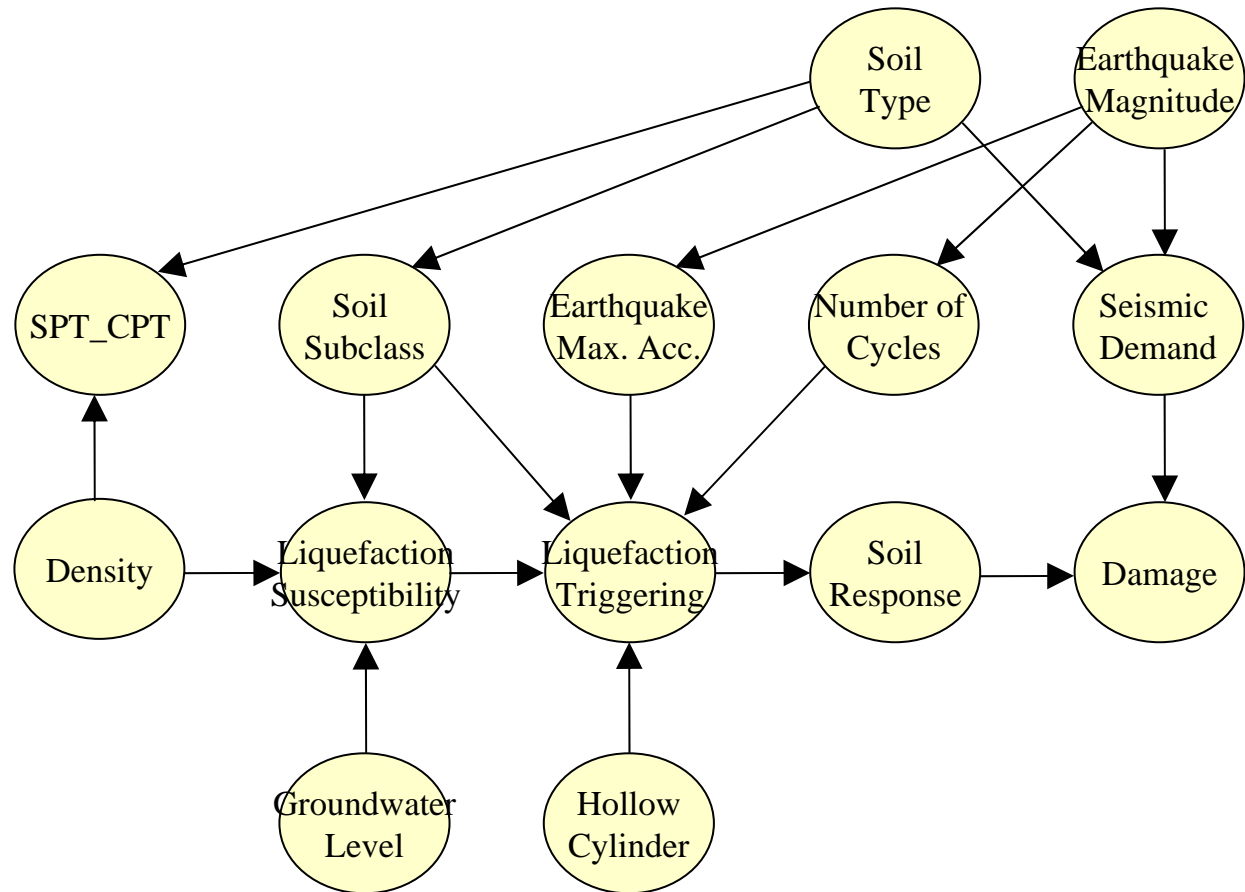
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Condition Indicators for liquefaction



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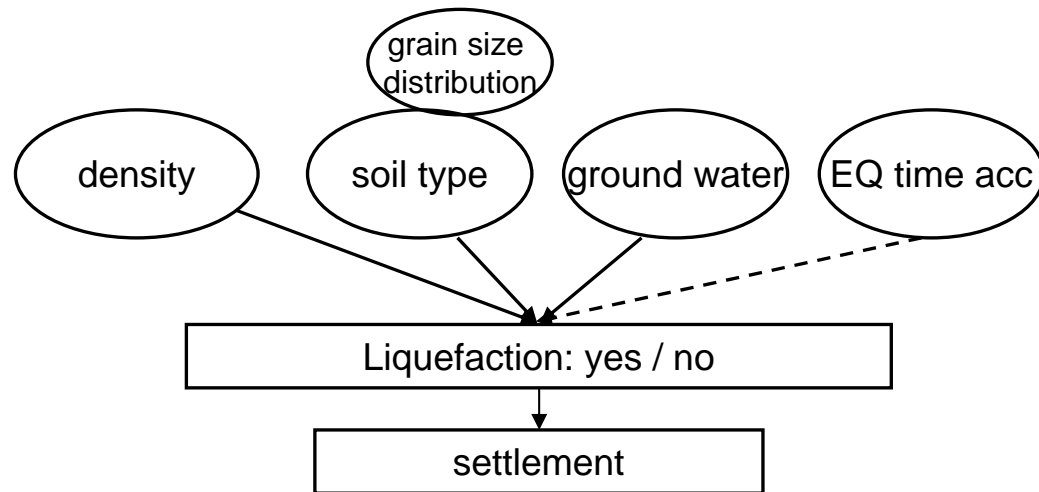
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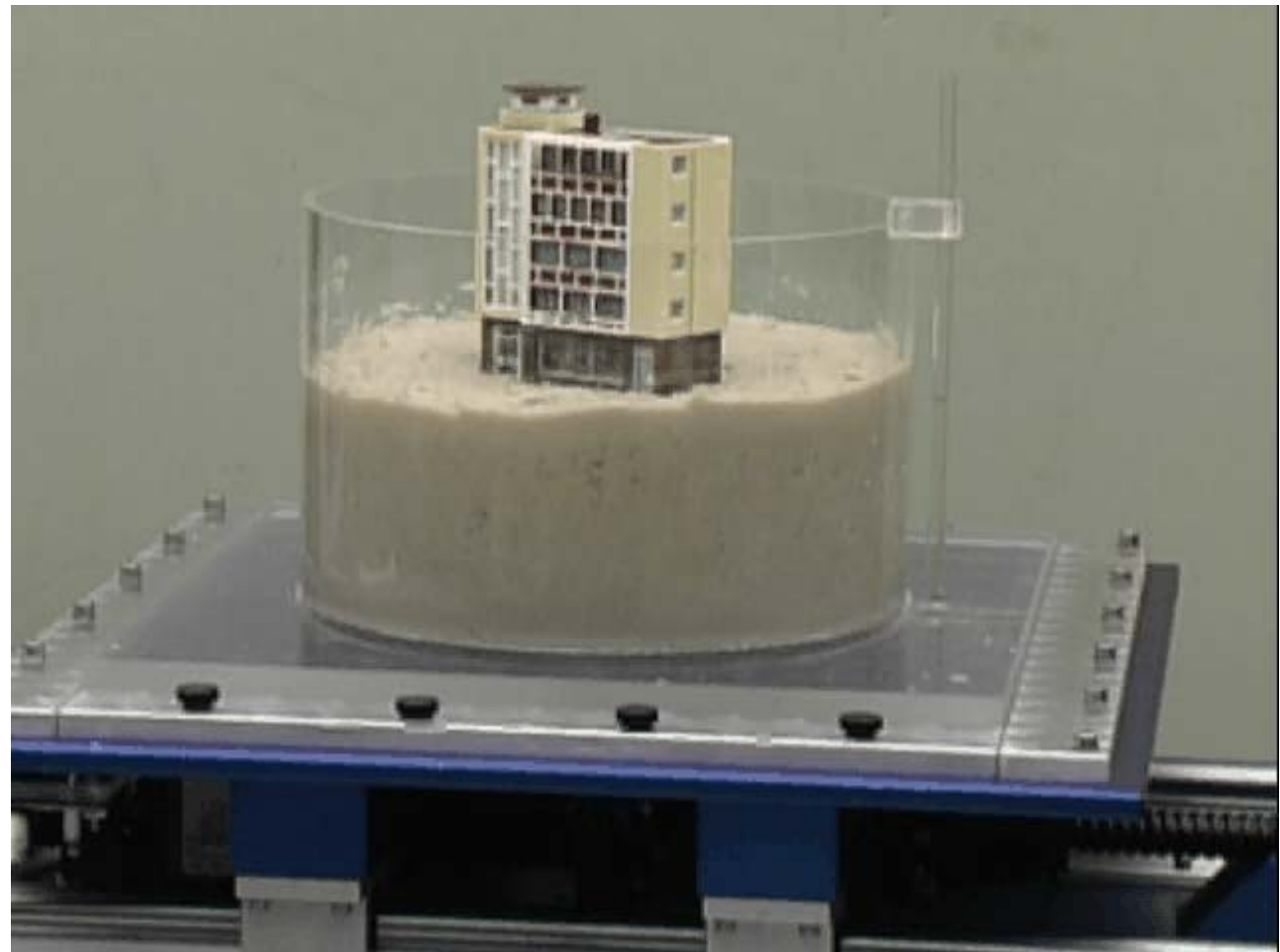
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Liquefaction video (on a shake table)



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Hollow Cylinder Apparatus (HCA)

Overview

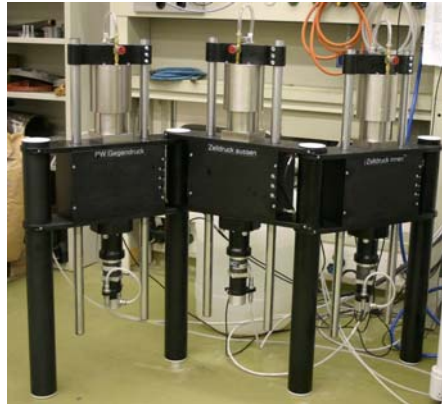
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- better understanding of the critical soil type: loose and saturated sandy silt and silty sand
- influence of the loading function
- experiments with the Hollow Cylinder Apparatus
- aim: finding condition indicators for liquefaction susceptibility

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