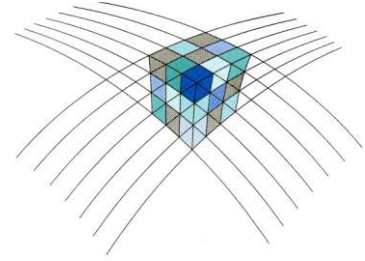


NCG



Netherlands Center for Geodesy and Geo-informatics

Abstract submission for the NCG Symposium 2020

Abstract submission deadline: **14 September 2020**

Please submit your abstract EasyChair

<https://easychair.org/conferences/?conf=ncg2020>

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Presentation title:

A critical review of subsidence rates for pastures on peat land derived from historical geodetic datasets

Demo: yes/no

Abstract (~100 words and optionally 1-2 figures):

Recently, the Dutch government received two urgent recommendations to develop pro-active policy to decrease secular subsidence rates of grassland over peat areas [1,2]. The subsidence is due to the artificial drainage of water to a predefined level. This is causing (direct and indirect) problems related to structural instability of buildings and infrastructure, the sustainability of agriculture and nature, CO₂ and methane emission, and increasing cost for society. It is advised that subsidence rates should be significantly decreased. However, what are the historic secular subsidence rates, how well do we know them, how have they been estimated, and what is the associated uncertainty? In this presentation, we will present the results of an extensive literature review on this topic.

[1] Planbureau voor de Leefomgeving, 2018, [Dalende bodems, stijgende kosten](#).

[2] Raad voor de Leefomgeving en Infrastructuur, 2020, [Stop Bodemdaling in Veenweidegebieden](#).

