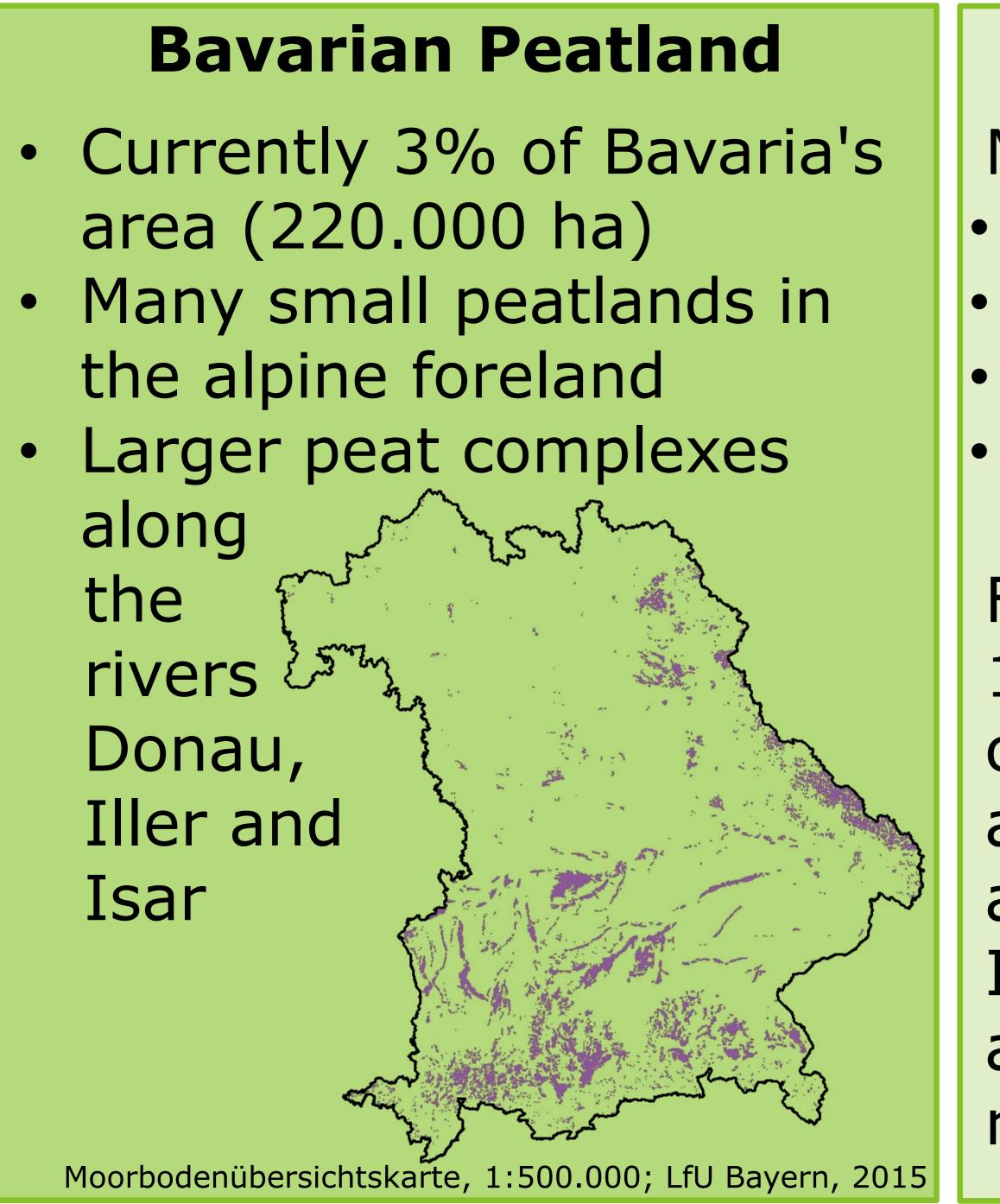
Peat soil in Bavaria - implications for agricultural and climate-change strategies from a century of archived peat soil data Kühnel, A., Conze, N., Machl, T., Kotzi, J., Kuhn, G., Freibauer, A.

Background and Objectives

LfL stores an archive of historical maps, pictures and files, with 2100 paper maps (scale 1:5000) containing historical peatland information of Bavaria.

We will obtain and provide digital access to the spatial and temporal information on peatland areas contained in those maps.



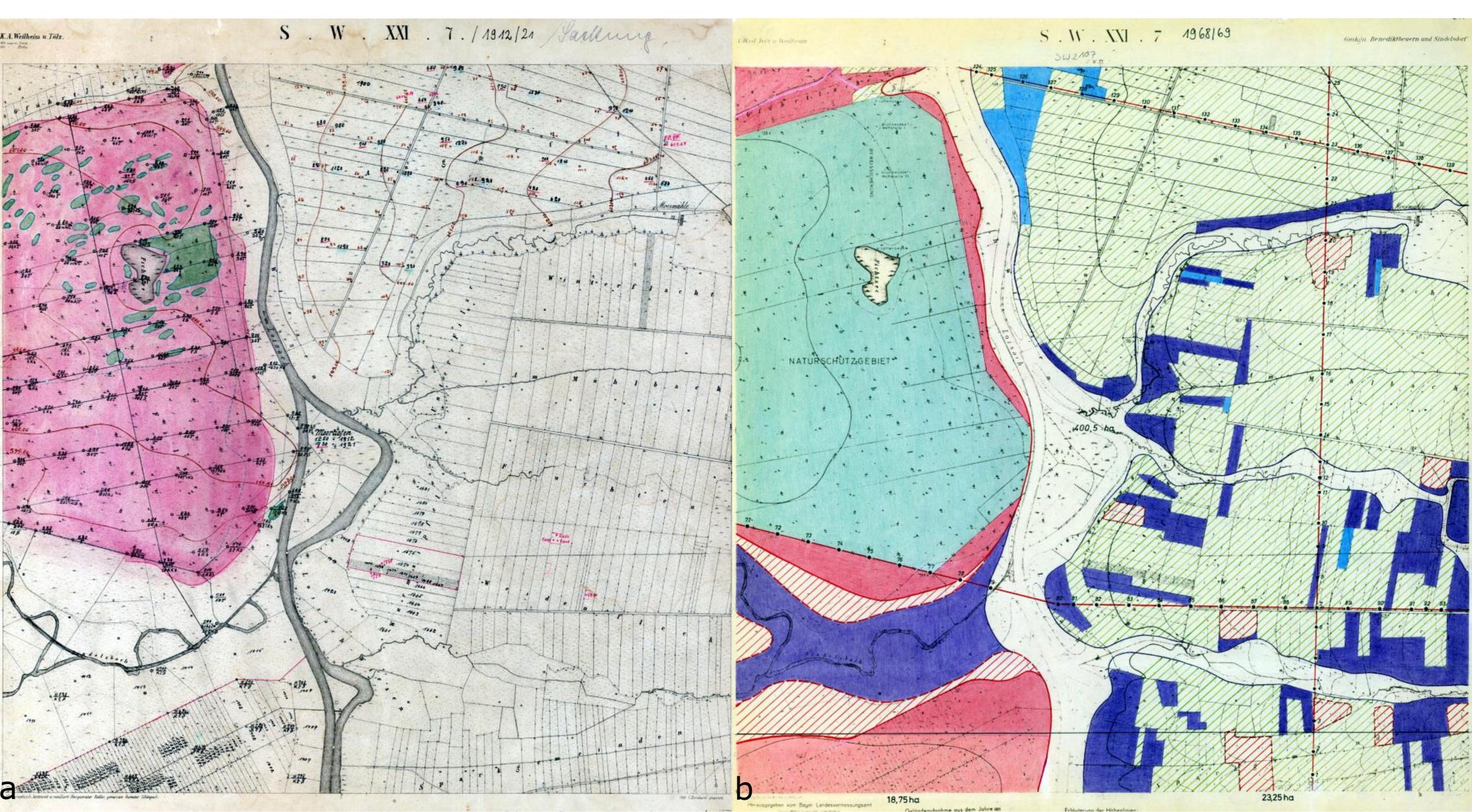
KliMoBay-Project: Potentials of Bavarian peatlands for climate mitigation and adaption https://www.lfl.bayern.de/iab/kulturlandschaft/238568/index.php

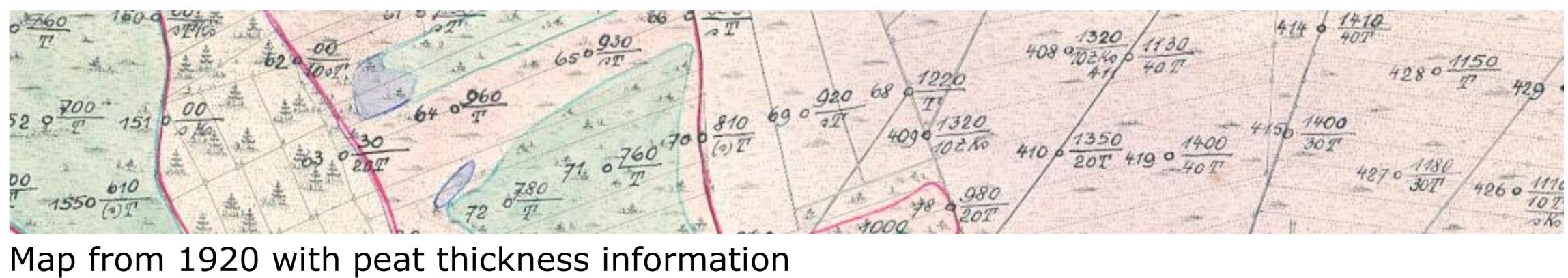


Historical map archive

Maps contain: Peatland extent Land use on peat soil Peat thickness Points with detailed soil information First maps date back to 1908; extensive sampling campaigns took place around 1920, 1965, 1975 and 1980. In certain areas mapping and sampling was repeated.

Bavarian State Research Center for Agriculture, Institute for Organic Farming, Soil and Resource Management Lange Point 12, 85354 Freising, www.LfL.bayern.de





Maps with peat soil information in Benediktbeuern area, from a) 1912/1921, b) 1968/69

Outlook

Calculation of historical peatland loss Identification of controlling factors of peat degradation Designation of potential areas to implement strategies to mitigate and adapt to climatic changes (primarily rewetting)

