

ECO<sup>2</sup>SCAPE Co-Design ökologisch und ökonomisch effizienter Politikinstrumente und Maßnahmen zur Erhaltung von Biodiversität und Ökosystemleistungen in Kulturlandschaften

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## Landuse in the case study area

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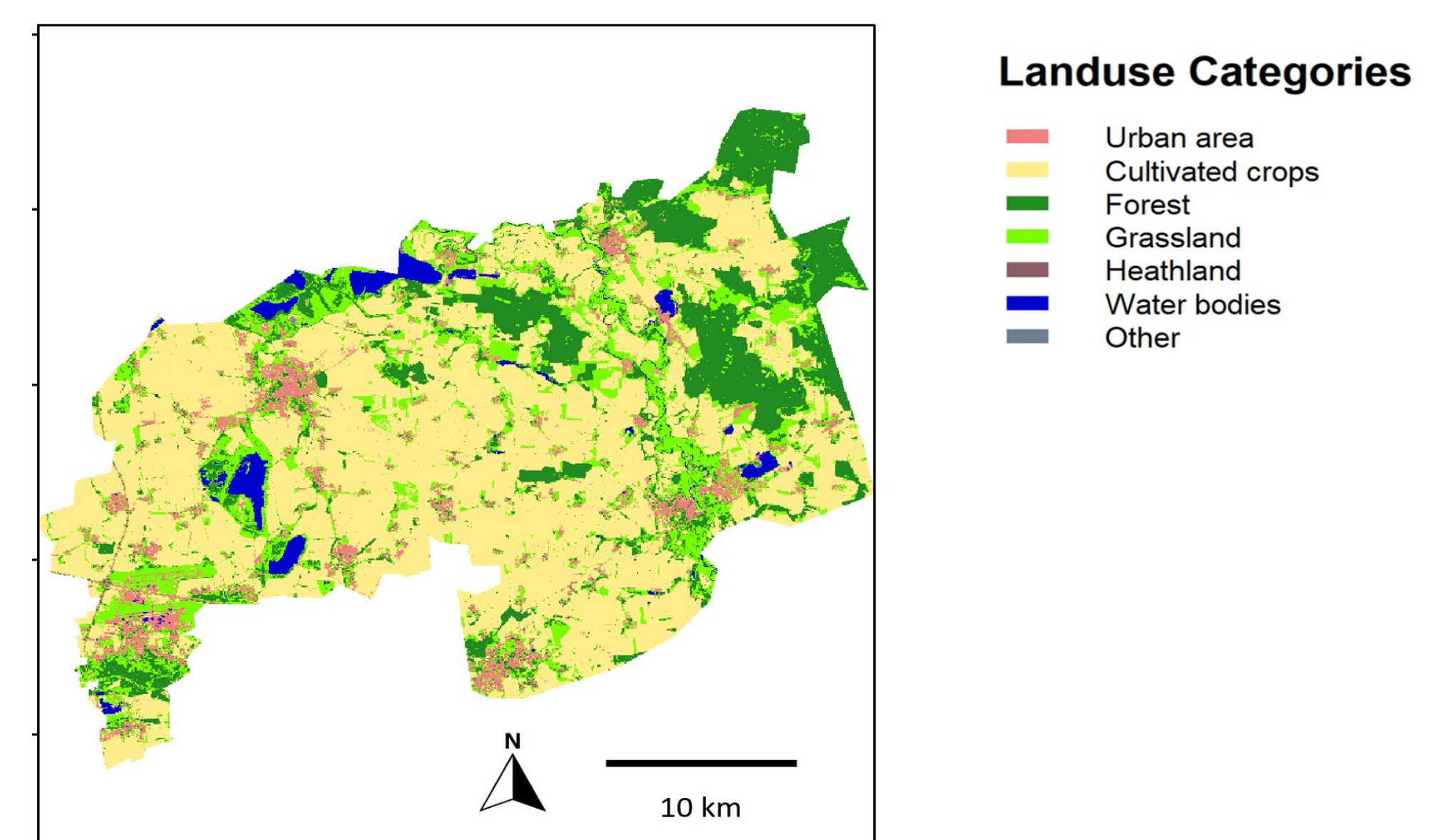
The case study area is located in North Saxony, is part of the nature region "Sächsisch-Niederlausitzer Heideland" and belongs to the field of action "Altkreis Delitzscher Land" of the practice partner LPV. The region is characterized by intensive but also diverse land use, contains designated biologically unique protected areas and is representative for many cultural landscapes in Germany.

Our case study area includes eleven municipalities and five cities and has a total area of 164,950 ha. Almost forty percent of the area is used for agriculture (7.15% grassland, 29.60% arable land). The rest of the area consists of forest (7.1%), urban areas (3.2%), water bodies (1.3%) and heathland (1.2%).

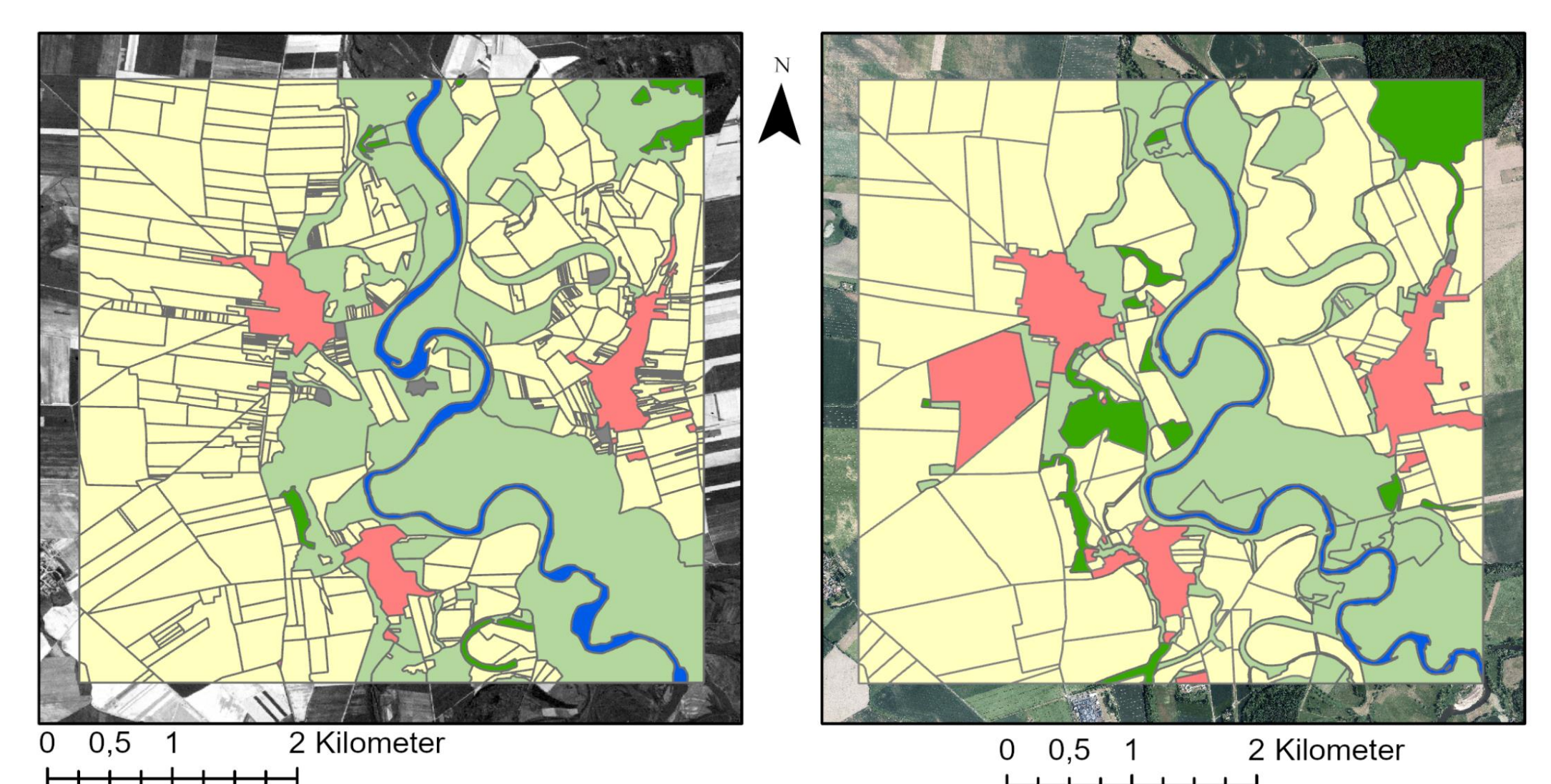
Analyses of historical satellite imagery dating back to 1965 show that the size of agricultural land in the model region has tripled, while the length of field boundaries has halved. These land use changes have negative impacts on biodiversity and the diversity of ecosystem services.



Pictures from the case study area



Landuse in the case study area



Landuse in 1965 (left) and 2018 (right)