

Phase models and concepts of Saalian ice cover in The Netherlands and NW Germany

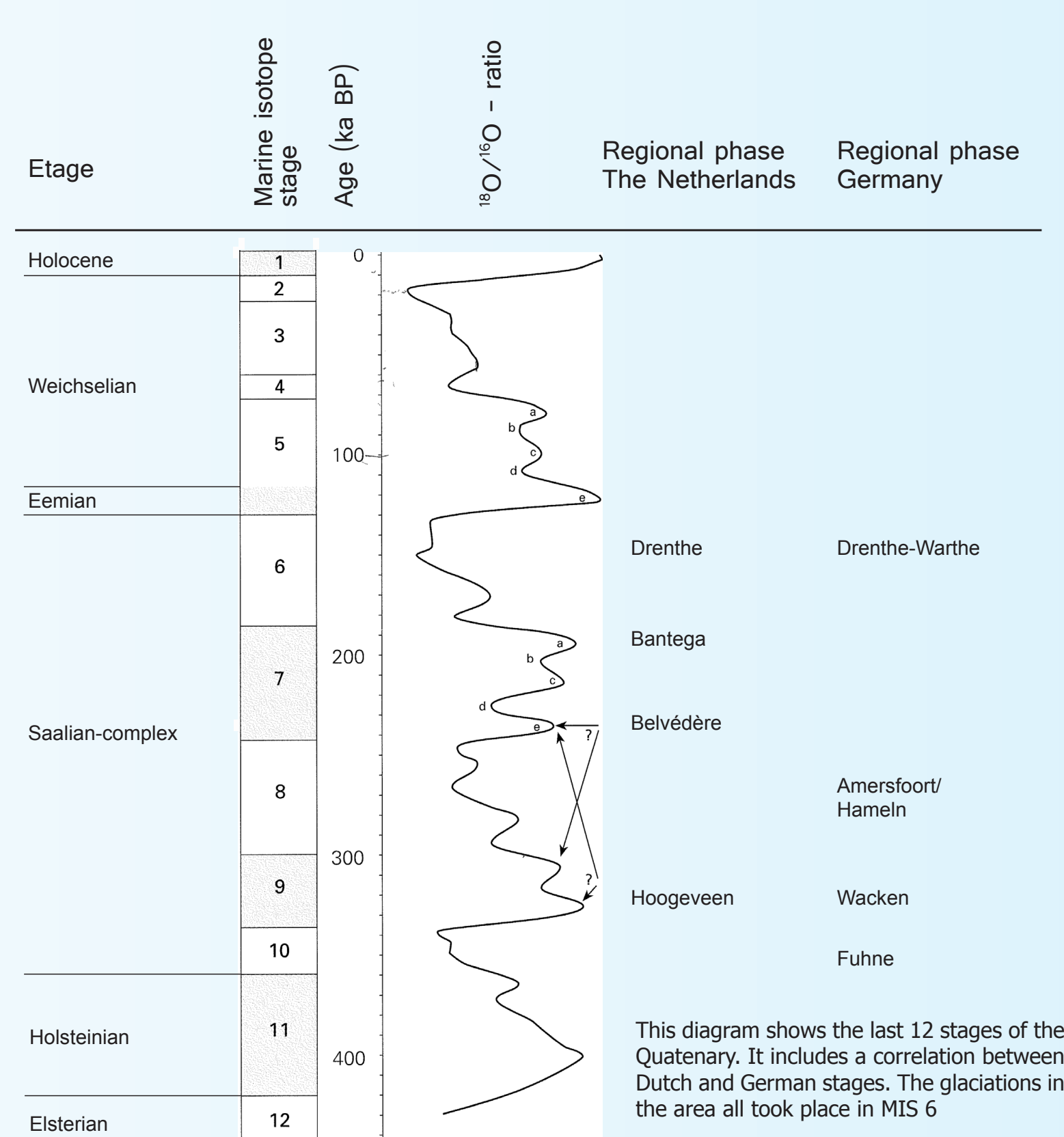
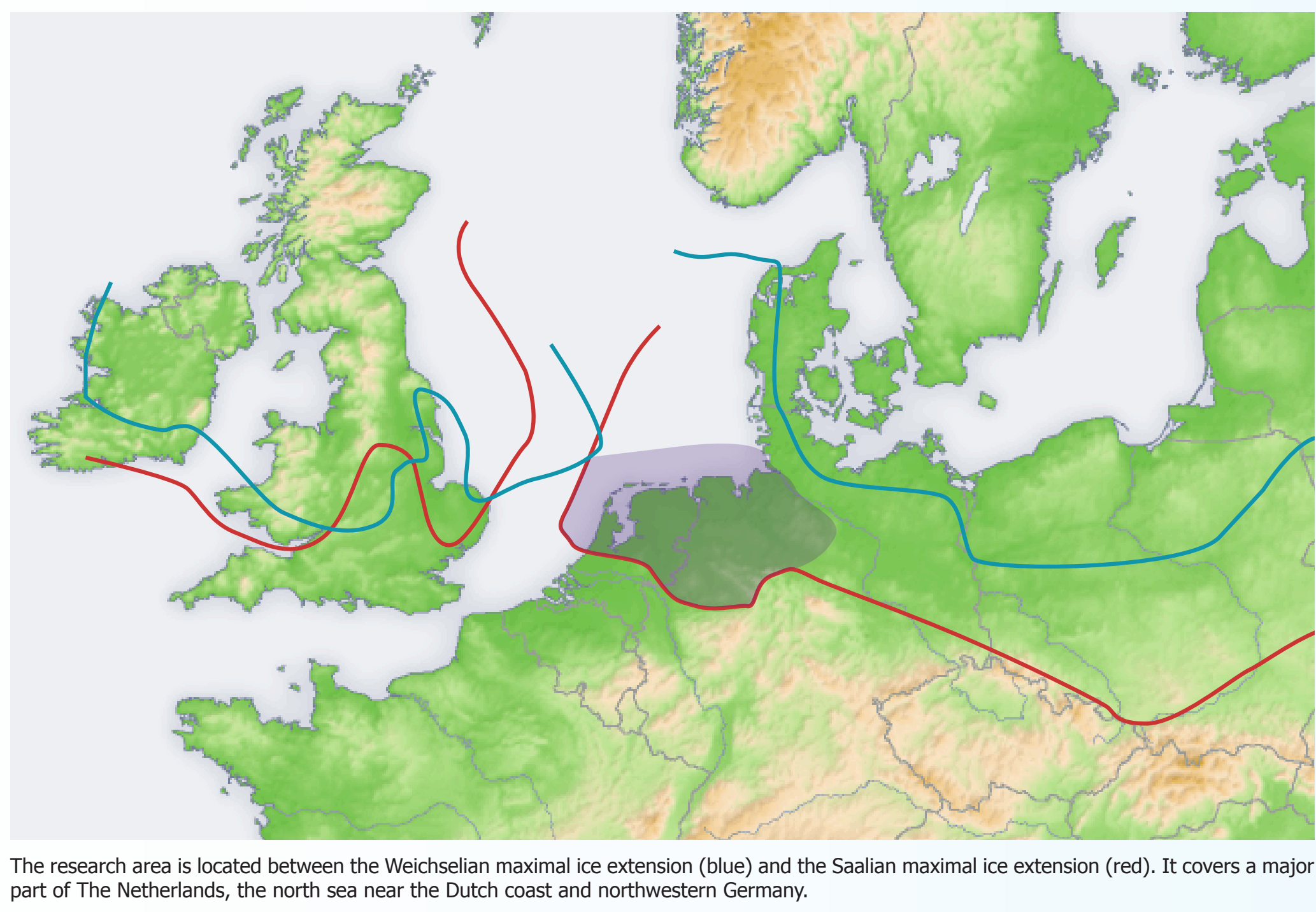
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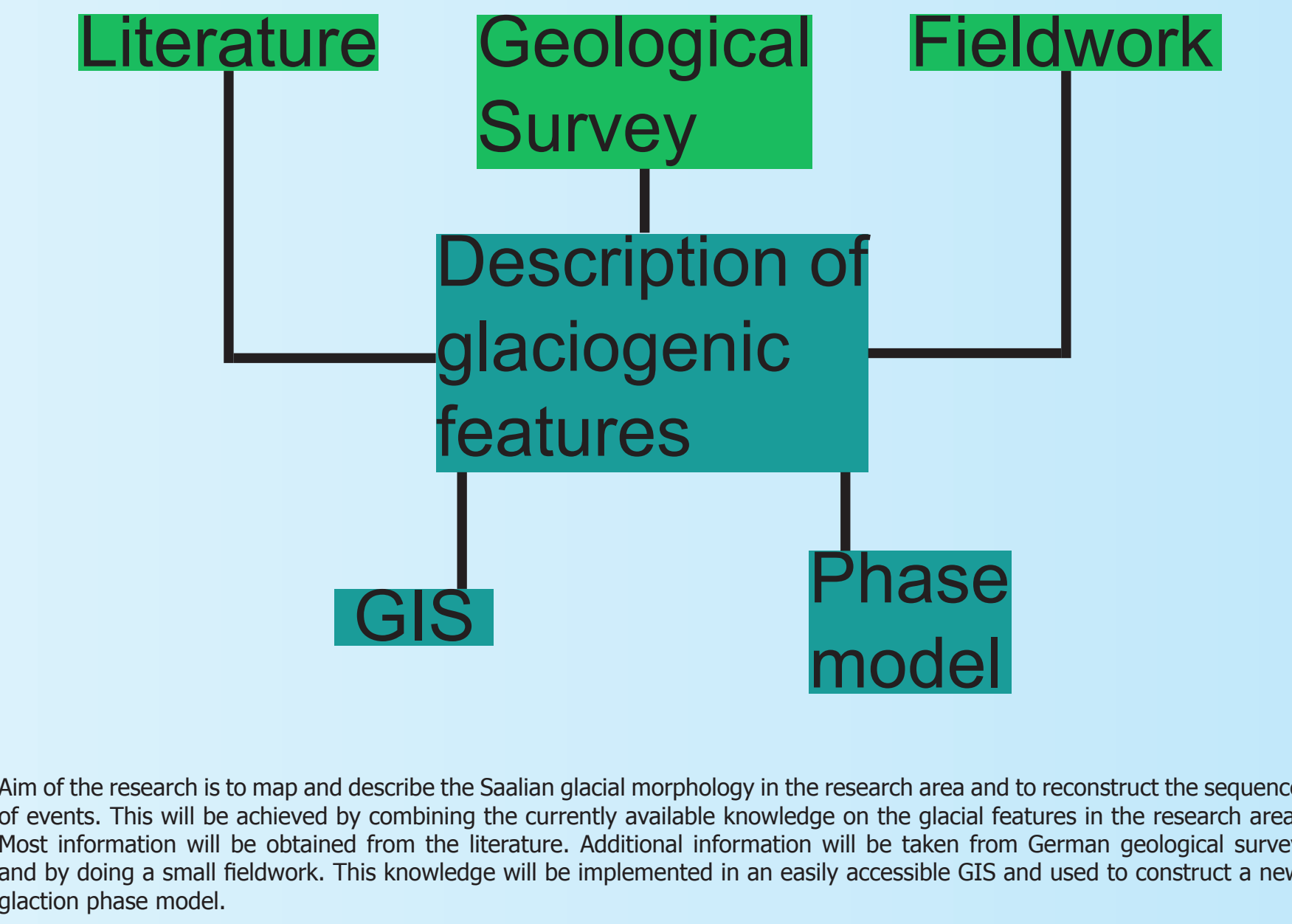
Introduction

During MIS6 in the Saalian The Netherlands and Germany were partly covered with an ice sheet. This ice cover left a very distinctive geomorphology with large thrust moraines, sandur plains and glacial basins. In the last 50 years several phase models of the glaciation in both the Netherlands and Germany were developed. These models, however, are biased to specific features/types of data and are on aspects inconsistent for neighbouring regions. Besides, new data and insights have risen since the early nineties when a phase model was last constructed. This MSc-research focuses on describing the Saalian glacial morphology that is present in both The Netherlands and Germany and combining this in an interactive GIS. This is done to create overview of the glacial features and to include both the Dutch and the German features, to link and label them according to the different existing phase models. A second step is to label the elements according to a new developed phase model. A concept version for this new glaciation model will be presented.

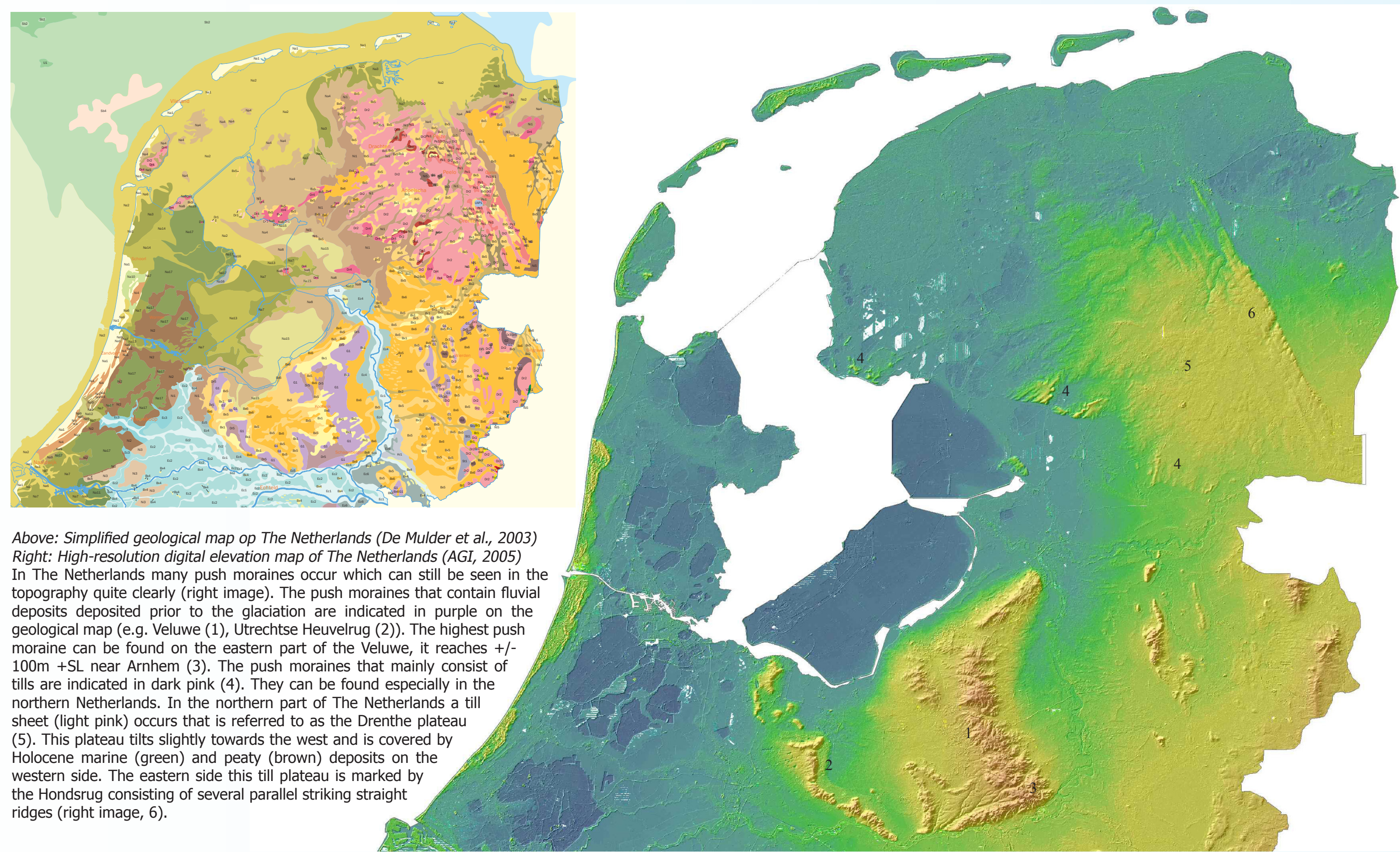
Research Area



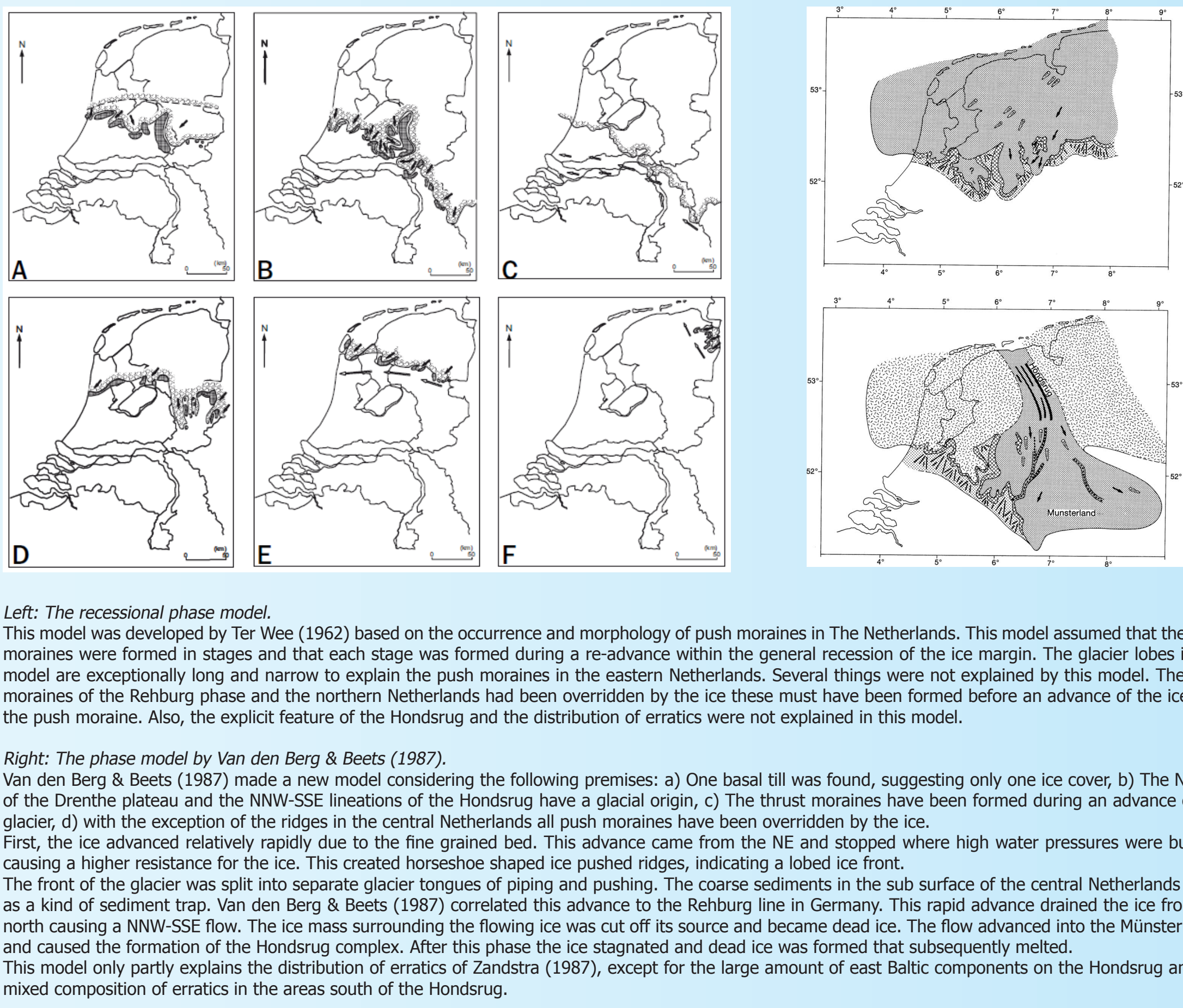
Methods



Description of the morphology



Existing Phase Models



Towards an updated phase model

