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Biophysical self-organization of coastal wetlands

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Biophysical self-organization of coastal wetlands

Unraveling spatial complexity on tidal flats and marshes,
from the Precambrian to today

Roeland Christiaan van de Vijzel

Front cover: Spatial pattern of algal-covered ridges and bare runnels on Ketenisse mudflat, Schelde estuary, Belgium. Photo taken by Roeland C. van de Vijssel.

Back cover: Aerial view on a complexly branching network of channels on a tidal marsh in Venice Lagoon, Italy. Photo taken by Roeland C. van de Vijssel.

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The research presented in this thesis was carried out at the Department of Estuarine and Delta Systems (EDS) of the Royal Netherlands Institute for Sea Research (NIOZ) in Yerseke (The Netherlands), and the Conservation Ecology Group, part of the Groningen Institute for Evolutionary Life Sciences (GELIFES) of the University of Groningen (The Netherlands). This research was supported by the Dutch Research Council (NWO) as part of the programme “The New Delta” (project number 869.15.003). Printing of this thesis was financially supported by NIOZ and the University of Groningen.

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Unraveling spatial complexity on tidal flats and marshes,
 from the Precambrian to today

PhD thesis

to obtain the degree of PhD at the
 University of Groningen
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 Rector Magnificus Prof. C. Wijmenga
 and in accordance with
 the decision by the College of Deans.

This thesis will be defended in public on

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by

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