

Advances in Ecological Research Volume 44

Ecosystems in a human-modified landscape: a European perspective

Volume 44 of *Advances in Ecological Research* explores how human activity has modified the biological, physical, chemical attributes of European ecosystems, how those impacts are monitored and assessed, and the prospects for recovery. Humans have played a key role in shaping the continent's natural systems for millennia, but this footprint has grown considerably in recent decades as populations have grown and demands on resources have intensified. Focusing on European ecosystems therefore provides invaluable insight into the effects of agricultural and industrial development on a more global scale, both now and in the future. Each of the five papers within this Volume blends ecological theory and empiricism in an attempt to improve our ability to understand, predict, and ultimately to manage higher-level responses of natural systems to anthropogenic stress.

Cover Photo: Brede stream in Southern Denmark was re-meandered during the years 1991-1998, ending three decades of channelisation and loss of connectivity with the surrounding floodplain via extensive river engineering schemes. European ecosystems have experienced extreme modification by human activity for centuries and large scale restoration projects, such as depicted here for the Brede, are being employed increasingly in attempts to reverse the effects of anthropogenic alterations to the continent's natural systems.



ACADEMIC PRESS

An imprint of Elsevier
elsevierdirect.com

ISBN 978-0-12-374794-5



9 780123 747945