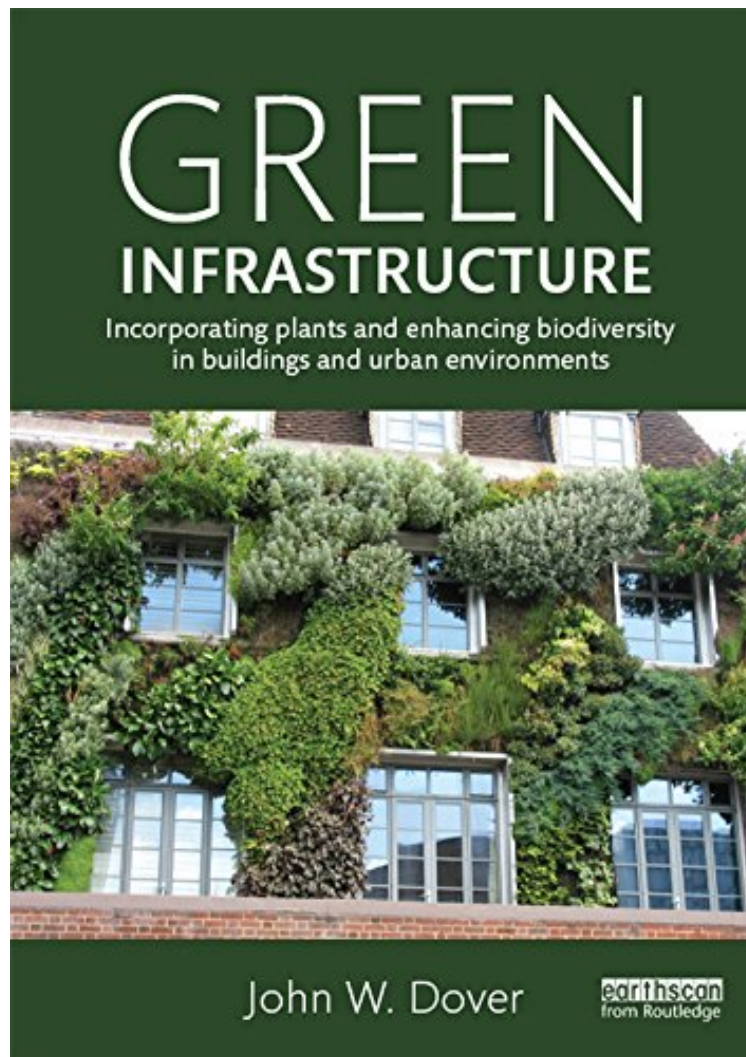


[Ebook pdf] Green Infrastructure: Incorporating Plants and Enhancing Biodiversity in Buildings and Urban Environments

Green Infrastructure: Incorporating Plants and Enhancing Biodiversity in Buildings and Urban Environments

John W. Dover

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John W. Dover : Green Infrastructure: Incorporating Plants and Enhancing Biodiversity in Buildings and Urban Environments before purchasing it in order to gage whether or not it would be worth my time, and all praised Green Infrastructure: Incorporating Plants and Enhancing Biodiversity in Buildings and Urban Environments:

With more than half of the world's population now living in urban areas, it is vitally important that towns and cities are healthy places to live. The principal aim of this book is to synthesize the disparate literature on the use of vegetation in

the built environment and its multifunctional benefits to humans. The author reviews issues such as: contact with wildlife and its immediate and long-term effects on psychological and physical wellbeing; the role of vegetation in removing health-damaging pollutants from the air; green roofs and green walls, which provide insulation, reduce energy use and decrease the carbon footprint of buildings; and structural vegetation such as street trees, providing shading and air circulation whilst also helping to stop flash-floods through surface drainage. Examples are used throughout to illustrate the practical use of vegetation to improve the urban environment and deliver ecosystem services. Whilst the underlying theme is the value of biodiversity, the emphasis is less on existing high-value green spaces (such as nature reserves, parks and gardens), than on the sealed surfaces of urban areas (building surfaces, roads, car parks, plazas, etc.). The book shows how these, and the spaces they encapsulate, can be modified to meet current and future environmental challenges including climate change. The value of existing green space is also covered to provide a comprehensive textbook of international relevance.

"This book comes at exactly the right time. The term 'Green Infrastructure' symbolizes new thinking in relation to planning and constructing cities. Vegetation offers many benefits to urban dwellers, and now is the time to integrate this knowledge into city planning procedures. Around the world, examples of GI now exist and national and international associations support and disseminate such ideas. This textbook highlights many such examples to introduce the concepts to a wider audience. I wish this book as many readers as possible; first of all students of related disciplines to take these ideas as seed into their future business lives, and also urban developers to integrate this new thinking into their daily business to spread out more green than grey infrastructure around the globe."

ndash;nbsp;Manfred Koehler, Professor of Landscape Ecology, University of Applied Sciences Neubrandenburg, Germany, President of the World Green Infrastructure Network.nbsp; "This is a very thoughtful, timely and comprehensive book. If our cities are to be considered as being truly sustainable then the integrated provision of green spaces will be a vital component of that sustainability. Green Infrastructure will help us to do just that." ndash; Richard Sabin, Director, Living Green City, UK. "This book is a useful addition to recognising key elements of urban ecology and what they can contribute" - David Walton, Bulletin of the British Ecological Society. "Global in scope, pioneering in summarising the diverse concepts involved, encyclopedic in coverage, and modern, well-referenced and thoughtndash;provoking in its content, this clearly written text will become a classic as the psychological and physical health of urban people is progressively recognised as depending on their living environments. Numerous colour photographs and a variety of tables and diagrams enhance the text, and some 40 pages of references enable comprehensive further enquiry." - T.R. New, La Trobenbsp;University, Australia, in Journal of Insect Conservation (2016).About the AuthorJohn W. Dover is Professor of Ecology at Staffordshire University, Stoke-on-Trent, UK.