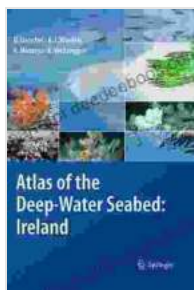


Atlas of the Deep-water Seabed - Ireland: Unveiling the Hidden Depths of the Celtic Sea and Beyond

The deep-water seabed off the coast of Ireland holds a wealth of hidden wonders, from majestic seamounts and canyons to vibrant deep-sea ecosystems teeming with life. The Atlas of the Deep-water Seabed - Ireland is a comprehensive exploration of this vast and enigmatic marine environment, providing invaluable insights into its geology, biodiversity, and potential resources.



Atlas of the Deep-Water Seabed: Ireland

by Dialog Abroad Books

★★★★★ 5 out of 5

Language : English
File size : 43460 KB
Text-to-Speech : Enabled
Enhanced typesetting : Enabled
Word Wise : Enabled
Print length : 180 pages
Screen Reader : Supported
Paperback : 480 pages
Item Weight : 15.5 ounces
Dimensions : 4.72 x 0.67 x 8.11 inches



Chapter 1: Oceanography of the Deep Sea

This chapter introduces the physical and chemical processes that shape the deep-sea environment off the coast of Ireland. It explores the influence

of ocean currents, tides, and seafloor topography on the distribution of temperature, salinity, and nutrients in the water column. Readers will gain an understanding of the unique challenges faced by organisms living in the extreme conditions of the deep sea, such as high pressure, low light, and limited food availability.

Chapter 2: Geology of the Deep-water Seabed

The Atlas presents a detailed overview of the geological history and evolution of the deep-water seabed around Ireland. It examines the formation of the Celtic Sea, the Irish Continental Shelf, and the Porcupine Bank. Readers will learn about the role of tectonic forces, sedimentary processes, and hydrothermal activity in shaping the underwater landscape. High-resolution maps and cross-sections illustrate the complex geological structures and formations found in this region.

Chapter 3: Biodiversity of the Deep Sea

The third chapter takes readers on a fascinating journey through the diverse marine ecosystems found in the deep sea off Ireland. It showcases the unique adaptations and strategies employed by organisms to survive in this challenging environment. From deep-sea corals to giant squid, from hydrothermal vent communities to seamount ecosystems, the Atlas provides a comprehensive overview of the remarkable biodiversity that thrives in the depths of the ocean.

Chapter 4: Human Impacts on the Deep Sea

While the deep sea may seem remote and untouched, the Atlas highlights the increasing human influences on this fragile ecosystem. It explores the potential impacts of deep-sea mining, fishing, and climate change on the

biodiversity and ecological balance of the deep sea. Readers will learn about the importance of sustainable practices and conservation measures to protect this vital marine environment for future generations.

Chapter 5: Economic Potential of the Deep Sea

The Atlas also examines the potential economic benefits of the deep-water seabed off Ireland. It discusses the exploration and extraction of mineral resources, such as polymetallic nodules and rare earth elements, as well as the development of offshore renewable energy sources, such as geothermal and tidal power. Readers will gain an understanding of the challenges and opportunities associated with these emerging industries.

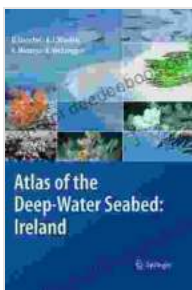
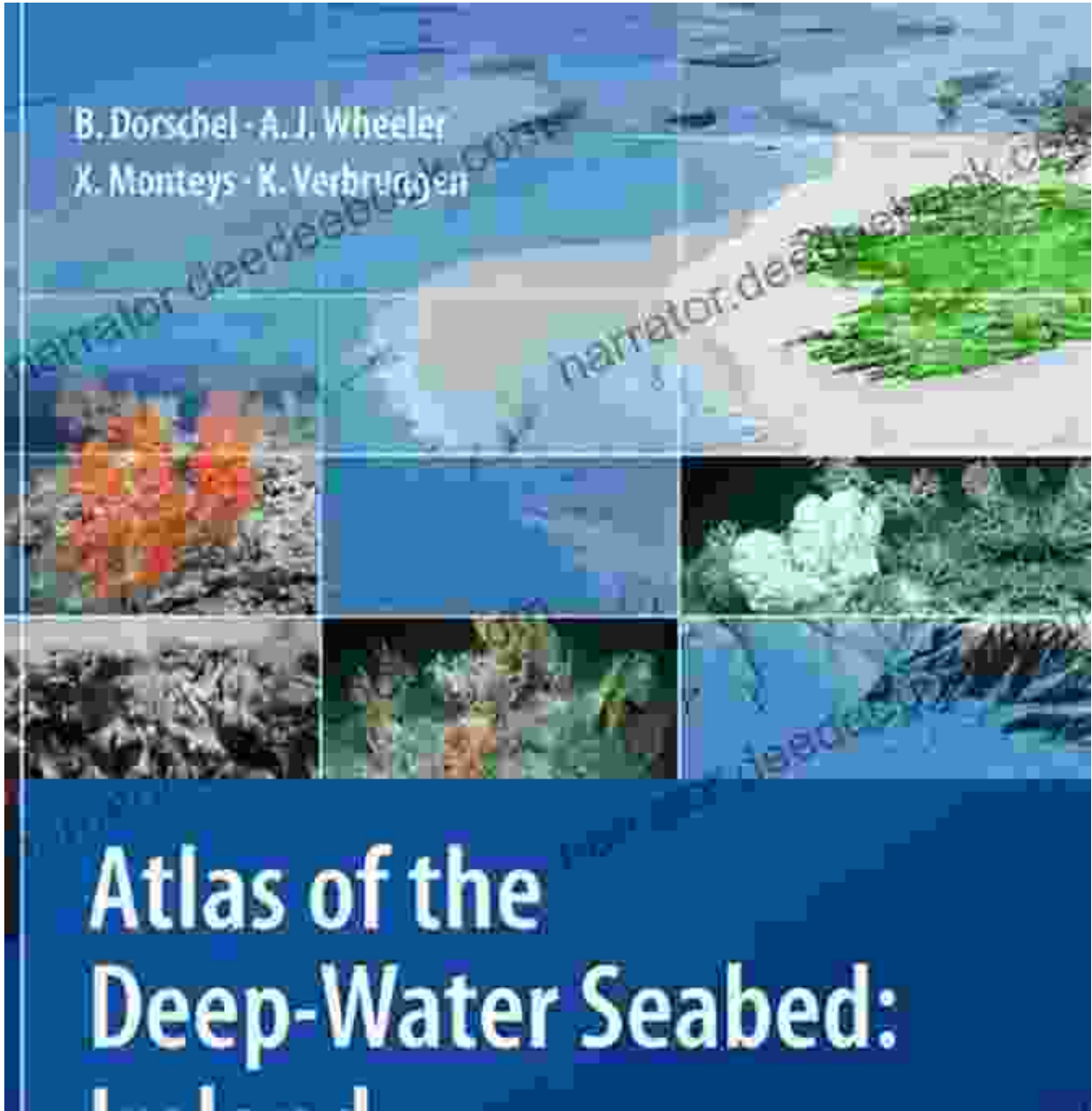
The Atlas of the Deep-water Seabed - Ireland is a valuable resource for scientists, policymakers, educators, and anyone interested in the exploration and conservation of the deep sea. It provides comprehensive information on the geology, biodiversity, and human impacts on this vast and fascinating marine environment. By unlocking the secrets of the deep-water seabed, we can better understand our planet and protect its delicate ecosystems for generations to come.

Additional Information

* Atlas of the Deep-water Seabed - Ireland website * Atlas of the Deep-water Seabed - Ireland (book)

Alt Attributes for Images:

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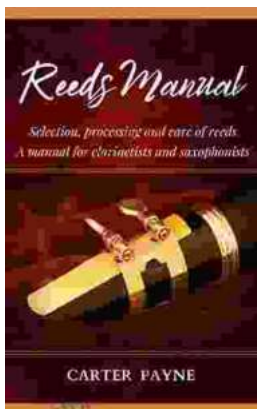
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