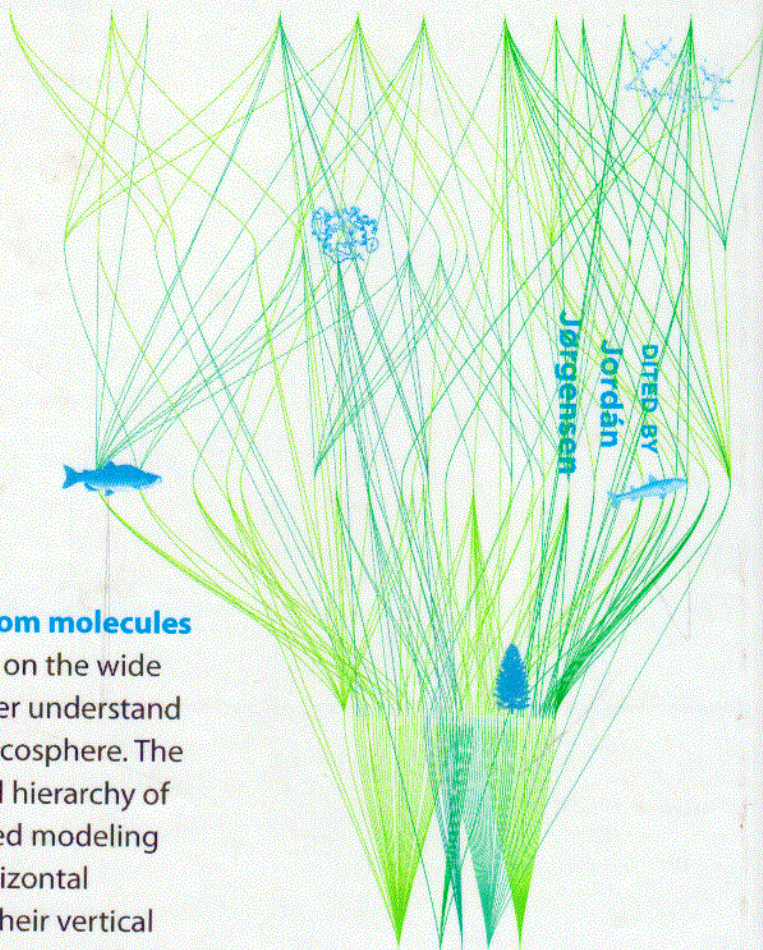




Models of the Ecological Hierarchy: from molecules to the ecosphere provides an overview on the wide range of ecological models used to better understand biological systems, from the cell to the ecosphere. The structure of the book follows the vertical hierarchy of organizational levels of life. The presented modeling techniques help in focusing on both horizontal processes (within particular levels) and their vertical interconnections (between levels). The issues addressed include evergreen questions (the origin of life, ecodynamics) and actual problems to solve (maximum sustainable yield, habitat recreation).

Key features

- Provides an excellent introduction to modeling
- Collects together in one source a wide range of modeling techniques
- Covers a wide range of topics, from the molecular level to the global ecosphere



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ISBN 978-0-444-59396-2



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