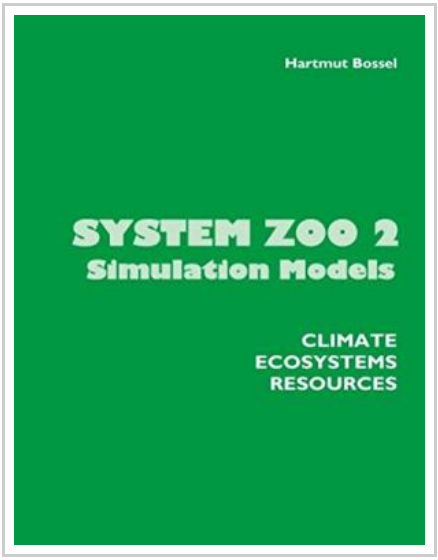




# System Zoo 2 Simulation Models. Climate, Ecosystems, Resources

By Hartmut Bossel

BoD. Paperback. Book Condition: New. Paperback. 204 pages. Dimensions: 9.9in. x 6.9in. x 0.9in.Mathematical modeling and computer simulation make it possible to understand and control the dynamic processes taking place in complex systems. Simulation provides insights into the often surprising diversity of possible behaviors, and allows identifying possibilities for intervention and options for alternative development. About one hundred simulation models from all areas of life are fully documented in the three volumes of the System Zoo. They can be quickly implemented and easily operated using freely available system dynamics software. Volume 2 of the System Zoo contains simulation models of the regional water cycle and global carbon cycle, the photosynthesis of vegetation, forest growth, the water, nutrient, and energy dynamics of agriculture, the interaction of plants, animals, and humans with other organisms and resources by predation, harvesting, and competition for nutrients, and through utilization of renewable and exploitation of nonrenewable resources. The System Zoo collection of simulation models is particularly well-suited for teaching, training, and research projects at all levels from high school to university, and for individual study. Volume 1 of the System Zoo contains simulation models of elementary systems, and of systems from the fields of physics and...



### Reviews

*Complete guideline! Its this type of great read through. it absolutely was writtern quite perfectly and helpful. I am very happy to explain how this is basically the best book i actually have read through during my personal life and can be he very best book for at any time.*

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*A very awesome book with perfect and lucid reasons. It really is basic but shocks within the 50 percent of the book. Its been designed in an exceptionally easy way and is particularly merely right after i finished reading this ebook where in fact changed me, change the way i think.*

-- ***Meagan Roob***