

Natural Resource and Environmental Economics

by Radmilo V. Pesic

Chapter 1 Sustainable development: Foundations of sustainability concept, its genesis and evolution. Sustainable development and the Laws of Thermodynamics. Definitions and meanings of sustainability.

Chapter 2 Economics of renewable resources. Theory of optimal resource use. Static analysis. Dynamic analysis. Renewable resource harvesting policy. Conservation and restoration policies. Economic instruments for remediation of the nature.

Chapter 3 Economics of non-renewable resources. Theory of optimal resource extraction. Natural capital depletion. Non-renewable (exhaustible) resource use policy. Economic instruments and various market conditions.

Chapter 4 The economics of pollution. Classification of pollution forms. The efficient level of pollution. Pollution control policy. Direct and indirect control: alternative instruments. Market instruments.

Chapter 5 Macroeconomic accounting of environment and natural resource use. Genesis and evolution of the National Account System SNA. Integrating economic and environmental accounts. SEEA.