

List of Figures

1.1	Major environmental risks in 63 developing countries	7
2.1	Generalized model of environmental pathways for an industrial pollutant, and points of entry for regulation	18
2.2	Alternative yardsticks for measuring risk	25
2.3	Annual genetically significant dose rate for low level radiation, averaged through whole population (Canada)	26
2.4	Different ways of comparing a risk	27
2.5	Balanced risk model	29
2.6	Mining accident rates versus monetary reward (Risk-Benefit)	37
3.1	Schematic representation of the WHO concepts of effect and response (WHO, 1972)	41
3.2	Simplified event trees for a large LOCA	49
3.3	Simplified model of environmental perception	52
3.4	Non-quantitative model for DDT	54
3.5	The global nitrogen cycle	56
3.6	The first global sulphur cycle	57
3.7	An intact natural ecosystem	58
3.8	DDT in Clear Lake, California	59
3.9	Dose-effect relationships	62
3.10	Generalized exposure-effect curve	64
3.11	Studies being undertaken to establish the dose-effect relationship for environmentally caused human cancers	65
4.1	The risk comparisons contained in Legislative Principles	71
5.1	Data sheet for compiling a risk data base.....	97
5.2	Organizational structures for pesticide control in the Republic of China-Taiwan and Canada	103
5.3	Functional versus regional organizational structures	109
5.4	Schematic matrix organization for environmental management based on functional government departments	110
5.5	General evolution of pollution control	116

6.1	Fossil fuel consumption and estimated anthropogenic SO ₂ emissions in Europe, 1900-1972	126
6.2	Estimated mean concentration field for SO ₂ for 1974	128
6.3	Distribution of massive oil spills in the world 1967-1978	133