1. Record Nr. UNISA996218617603316

Titolo	Integrated solid waste management [[electronic resource]] : a life cycle inventory / / Forbes R. McDougall ... [et al.]
Pubbl/distr/stampa	Oxford ; ; Malden, MA, : Blackwell Science, 2001
ISBN	1-281-31289-4 9786611312893 0-470-99967-5 0-470-99966-7
Edizione	[2nd ed.]
Descrizione fisica	1 online resource (548 p.)
Altri autori (Persone)	McDougallForbes R WhiteP (Peter)
Disciplina	363.72/85
Soggetti	Integrated solid waste management Product life cycle - Environmental aspects
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	New ed. of: Integrated solid waste management / P.R. White, M. Franke, P. Hindle. 1994.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Integrated Solid Waste Management: a Life Cycle Inventory; Contents; Where is the cradle of waste and where is the grave?; The cradle; The grave; What level of detail?; Preface; Currency conversion values; CONCEPTS AND CASE STUDIES; Chapter 1 Introduction; Summary; The aims of the book; What is waste?; The concerns over waste; The old concern - the conservation of resources; The new concerns - pollution and the deterioration of renewables; Sustainable Waste Management; Pollution; Objectives; Current approaches - legislation; End-of-pipe regulations; Strategic targets Economic costs of environmental improvementsInternalising external environmental costs; Building environmental objectives into the waste management system; An integrated approach to solid waste management; Chapter 2 Integrated Waste Management; Summary; The basic requirements of waste management; The generation of less waste; The concept of Sustainable Waste Management; Characteristics of a Sustainable Waste Management system; An integrated system; Market oriented; Flexibility; Scale; Social acceptability; Development of

the Integrated Waste Management concept

Implementing Integrated Waste ManagementThe importance of a holistic approach; Paying for Integrated Waste Management; Waste management planning and the Hierarchy of Waste Management; Integrated Waste Management in countries with developing economies; IWM systems for countries with developing economies; Dumping and landfilling; Separation and treatment of organic waste; Recycling and scavenging; Incineration; The benefits of IWM to countries with developing economies; Modelling waste management - why model?; Previous modelling of waste management

Using Life Cycle Assessment for Integrated Waste ManagementModels; Data; Chapter 3 The Development of Integrated Waste Management Systems: Case Studies and Their Analysis; Summary; Introduction; Case study format; Case studies; Difficulty of comparison; Common drivers; Legislation; IWM begins at a local level; System evolution; Case study details - schematic diagrams; Abbreviations; Definitions (see also Chapters 8-14); Pamplona, Spain, 1996; Summary - Pamplona; Collection; Treatment; Landfill; Additional information; Prato, Italy, 1997; Summary - Prato; Collection; Treatment; Landfill

Additional informationBrescia, Italy, 1996; Summary - Brescia commune; Collection; Treatment; Landfill; Additional information; Hampshire, England, 1996/97; Summary - Hampshire; Collection; Treatment; Landfill; Additional information; Helsinki, Finland, 1997; Summary - Helsinki; Collection; Treatment; Landfill; Additional information; Lahn-Dill-Kreis, Germany, 1996; Summary - Lahn-Dill-Kreis; Collection; Treatment; Landfill; Additional information - how to move towards Integrated Waste Management; Vienna, Austria, 1996; Summary - Vienna; Collection; Treatment; Landfill; Additional information

Malmo Region, Sweden, 1996

Sommario/riassunto

The first edition described the concept of Integrated Waste Management (IWM), and the use of Life Cycle Inventory (LCI) to provide a way to assess the environmental and economic performance of solid waste systems. Actual examples of IWM systems and published accounts of LCI models for solid waste are now appearing in the literature. To draw out the lessons learned from these experiences a significant part of this 2nd edition focuses on case studies - both of IWM systems, and of where LCI has been used to assess such systems. The 2nd edition also includes updated chapters on waste generation, w