

1. Record Nr.	UNINA9910136754503321
Titolo	Grand celebration . Volume 1 : 10th Anniversary of the Human Genome Project // John Burn, James R. Lupski, Karen E. Nelson and Pabulo H. Rampelotto (Eds.)
Pubbl/distr/stampa	[Basel, Switzerland] : , : MDPI - Multidisciplinary Digital Publishing Institute, , 2016 ©2016
ISBN	9783038421702 9783038421245 3038421243
Edizione	[Edition 2016]
Descrizione fisica	1 online resource (xi, 262 pages) : illustrations (black and white, and colour); digital file(s)
Disciplina	599.935 611.0181663
Soggetti	Human gene mapping Human genetics - Forecasting
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"This book is a reprint of the special issue that appeared in the online open access journal Genes (ISSN 2073-4425) in 2014" -- title page verso.
Nota di bibliografia	Includes bibliographical references.
Sommario/riassunto	"In 1990, scientists began working together on one of the largest biological research projects ever proposed. The project proposed to sequence the three billion nucleotides in the human genome. The Human Genome Project took 13 years and was completed in April 2003, at a cost of approximately three billion dollars. It was a major scientific achievement that forever changed the understanding of our own nature. The sequencing of the human genome was in many ways a triumph for technology as much as it was for science. From the Human Genome Project, powerful technologies have been developed (e.g., microarrays and next generation sequencing) and new branches of science have emerged (e.g., functional genomics and pharmacogenomics), paving new ways for advancing genomic research

and medical applications of genomics in the 21st century. The investigations have provided new tests and drug targets, as well as insights into the basis of human development and diagnosis/treatment of cancer and several mysterious human diseases. This genomic revolution is prompting a new era in medicine, which brings both challenges and opportunities. Parallel to the promising advances over the last decade, the study of the human genome has also revealed how complicated human biology is, and how much remains to be understood. The legacy of the understanding of our genome has just begun. To celebrate the 10th anniversary of the essential completion of the Human Genome Project, in April 2013 Genes launched this Special Issue, which highlights the recent scientific breakthroughs in human genomics, with a collection of papers written by authors who are leading experts in the field." -- Preface, page xi.

2. Record Nr.	UNINA9910669806903321
Autore	Fet Annik Magerholm
Titolo	Business Transitions: A Path to Sustainability : The CapSEM Model // edited by Annik Magerholm Fet
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2023
ISBN	3-031-22245-8
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (xxxii, 261 pages) : illustrations
Classificazione	EDU000000SCI026000SCI042000SOC000000TEC010000
Disciplina	304.2
Soggetti	Sustainability Environmental management Ecology Engineering geology Education Social sciences Environmental Management Environmental Sciences Geoengineering Education Science Society
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa

Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	<p>Part I Sustainability: challenges and opportunities -- Chapter 1: Business Challenges in the Transition to Sustainability -- Chapter 2: The CapSEM Model -- Chapter 3: Sustainable Development Goals and CapSEM -- Part II The Toolbox: Methodologies and Theories -- Chapter 4: Input-output Analysis and Cleaner Production -- Chapter 5: Looking Beyond the Factory Gates -- Chapter 6: Communicating Product Life Cycle Performance through Labels and Declarations -- Chapter 7 : Environmental Management Systems -- Chapter 8: Analytical frameworks, indicators and performance evaluation -- Chapter 9: Reporting Schemes -- Chapter 10: Business Models for Sustainability -- Chapter 11: Closing the loop: Industrial Ecology, Circular Economy and Material Flow Analysis -- Chapter 12: Systems Engineering. Introduction, Methods and Tools -- Part III From Theory to Practice: Case Studies -- Chapter 13: Introduction to the Case Studies -- Chapter 14: From Waste to Value – a story about Life Cycle Management in the Furniture Industry (Case study 1) -- Chapter 15: The Role of Public Sector Buyers: Influencing Systemic Change in the Construction Sector (Case Study 2) -- Chapter 16: CapSEM Applied to the Construction Sector (Case Study 3) -- Chapter 17: Material Flow Analysis: Mapping Plastics within the Fishing Sector in Norway (Case Study 4) -- Chapter 18: Environmental Management at Fiskerstrand Verft AS: a 30 year Journey (Case Study 5) -- Chapter 19: A Transportation Planning Decision Support System (Case Study 6) -- Chapter 20: First Steps towards Sustainable Waste Management (Case Study 7) -- Part IV The Road Ahead -- Chapter 21: Transition to Sustainability -- Chapter 22: Helping business contribute to a sustainability transition: Archetypes of business models for sustainability -- Chapter 23: Building Decision Support Systems for Sustainable Transformation -- Chapter 24: The Way Forward?.</p>
Sommariorriassunto	<p>This open access book represents a journey documenting the development of tools and methodologies over 3 decades and asks where the future lies. It further develops seminal work carried out under the auspices of the Capacity building in Sustainability and Environmental Management (CapSEM) project co-funded by the EU Erasmus programme from 2016-2019 as well as research projects such as IGLO-MP2020, SUSPRO, and SISVI. It gathers existing paradigms of environmental management within the relevant frameworks which have driven the way in which this discipline has developed. It seeks to both challenge and support the way in which business sectors have approached this previously, with a more holistic and overarching model being provided, moving through four very distinct levels. It therefore provides not only a different approach, but a different way of thinking. Systems thinking is characterized by four levels: Process, Product Value Chain, Organisational and Systemic which combines Material Flow Analysis (MFA), Life Cycle Assessment (LCA), Corporate Social Responsibility (CSR) and Industrial Ecology (IE) principles. In its practical application, Corporate Social Responsibility, for example, thus becomes an integral part of a much wider business strategy and impacts on all business activity, not added value for its own sake, but a valuable component in a wider toolbox as a fundamental part of any business strategy and plan, changing, flexing and developing over the years. The book is divided into 4 parts: moving from context and background, to the theoretical model or toolbox, onto its practical application in case studies and culminates in looking at the future and potential</p>

developments. It represents the multi-disciplined collaboration at NTNU and beyond, exemplifying its use in a wealth of business sectors and a range of stakeholders from construction to textiles to wind power as outlined in the European Circular Action Plan.
