

Geography Sustainable Decision Making 2014

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SERVICES AND THE GREEN ECONOMY ANDREW JONES 2016-05-04 SERVICES AND THE GREEN ECONOMY ADDRESSES A SIGNIFICANT GAP IN THE KNOWLEDGE AND UNDERSTANDING OF SUSTAINABLE ECONOMIC DEVELOPMENT. BRINGING TOGETHER A RANGE OF EXPERT CONTRIBUTIONS THE BOOK ANALYSES THE ROLE OF SERVICES AND SERVICE INDUSTRIES IN THE TRANSITION TO A GREENER ECONOMY. FRAMED BY AN APPROACH WITHIN ENVIRONMENTAL ECONOMIC GEOGRAPHY, CHAPTERS WRITTEN BY LEADING RESEARCHERS FROM A RANGE OF DISCIPLINES EXPLORE HOW SERVICE INDUSTRIES, SERVICE FIRMS AND SERVICE ACTIVITIES ARE AT HEART OF GREEN ECONOMIC PROCESSES. ADOPTING A GLOBAL PERSPECTIVE, IT INCLUDES RESEARCH FROM THE US, EUROPE, SOUTH AMERICA AND JAPAN, PROVIDING A DETAILED INSIGHT INTO HOW THE CRUCIAL ROLE OF SERVICE INDUSTRY ACTIVITY HAS OFTEN BEEN IGNORED IN CURRENT UNDERSTANDINGS OF A GREEN ECONOMIC TRANSITION.

SUSTAINABLE DECISION-MAKING IN CIVIL ENGINEERING, CONSTRUCTION AND BUILDING TECHNOLOGY EDMUNDAS KAZIMIERAS ZAVADSKAS SUSTAINABLE DECISION-MAKING IN CIVIL ENGINEERING, CONSTRUCTION AND BUILDING TECHNOLOGY CAN BE SUPPORTED BY FUNDAMENTAL SCIENTIFIC ACHIEVEMENTS AND MULTIPLE-CRITERIA DECISION-MAKING (MCDM) THEORIES.

TOWARDS COASTAL RESILIENCE AND SUSTAINABILITY C. PATRICK HEIDKAMP 2018-09-28 COASTAL ZONES REPRESENT A FRONTLINE IN THE BATTLE FOR SUSTAINABILITY, AS COASTAL COMMUNITIES FACE UNPRECEDENTED ECONOMIC CHALLENGES. COASTAL ECOSYSTEMS ARE SUBJECT TO OVERUSE, LOSS OF RESILIENCE AND INCREASED VULNERABILITY. THIS BOOK AIMS TO INTERROGATE THE MULTI-SCALAR COMPLEXITIES IN CREATING A MORE SUSTAINABLE COASTAL ZONE. SUSTAINABILITY TRANSITIONS ARE GEOGRAPHICAL PROCESSES, WHICH HAPPEN IN SITUATED, PARTICULAR PLACES. HOWEVER, MUCH CONTEMPORARY DISCUSSION OF TRANSITION IS EITHER ASPATIAL OR BASED ON IMPLICIT ASSUMPTIONS ABOUT SPATIAL HOMOGENEITY. THIS BOOK ADDRESSES THESE LIMITATIONS THROUGH AN EXAMINATION OF SOCIO-TECHNOLOGICAL TRANSITIONS WITH AN EXPLICITLY SPATIAL FOCUS IN THE CONTEXT OF THE COASTAL ZONE. THE BOOK BEGINS BY FOCUSING ON THEORETICAL UNDERSTANDINGS OF TRANSITION PROCESSES SPECIFIC TO THE COASTAL ZONE AND INCLUDES DETAILED EMPIRICAL CASE STUDIES. THE SECOND HALF OF THE BOOK APPRAISES GOVERNANCE INITIATIVES IN COASTAL ZONES AND THEIR EFFICACY. THE AUTHORS CONCLUDE WITH AN IMPLICIT THEME OF SOCIAL AND ENVIRONMENTAL JUSTICE IN COASTAL SUSTAINABILITY TRANSITIONS. RESEARCH WILL BE OF INTEREST TO PRACTITIONERS, ACADEMICS AND DECISION-MAKERS ACTIVE IN THE SPHERE OF COASTAL SUSTAINABILITY. THE MULTI-DISCIPLINARY NATURE ENCOURAGES ACCESSIBILITY FOR INDIVIDUALS WORKING IN THE FIELDS OF ECONOMIC GEOGRAPHY, REGIONAL DEVELOPMENT, PUBLIC POLICY AND PLANNING, ENVIRONMENTAL STUDIES, SOCIAL GEOGRAPHY AND SOCIOLOGY.

RECONTEXTUALISING GEOGRAPHY IN EDUCATION MARY FARGHER 2021-11-10 IN THIS BOOK INTERNATIONAL GEOGRAPHY EDUCATORS DISCUSS THE WAYS IN WHICH GEOGRAPHICAL KNOWLEDGE IS RECONTEXTUALISED IN SCHOOLS AND CONSIDER EFFECTIVE APPROACHES TO FACILITATE, IMPROVE AND ADVANCE GEOGRAPHY EDUCATION IN RESEARCH AND PRACTICE. IT ADDRESSES KEY TOPICS IN RECONTEXTUALISING GEOGRAPHY SUCH AS THE EPISTEMIC RELATIONSHIPS BETWEEN THE UNIVERSITY DISCIPLINE AND THE SCHOOL SUBJECT, DESIGNING AND EVALUATING THE GEOGRAPHY CURRICULUM, THE ROLE OF STUDENTS IN THE TRANSFORMATION OF KNOWLEDGE IN THE CLASSROOM AND SELECTING AND TRANSFORMING GEOGRAPHICAL CONTENT KNOWLEDGE FOR THE PRIMARY SCHOOL CURRICULUM. AT AN INTERNATIONAL LEVEL, THE CONTRIBUTORS AND EDITORS BRING TOGETHER AN ADVANCED COLLECTION OF RESEARCH AND DISCUSSION SURROUNDING THE OPPORTUNITIES AND CHALLENGES OF RECONTEXTUALISING GEOGRAPHY IN EDUCATION. THE BOOK IS OF INTEREST TO GEOGRAPHY EDUCATORS INTERNATIONALLY, INCLUDING ACADEMICS AT UNIVERSITIES, TEACHERS IN SCHOOLS, AND PROFESSIONAL GEOGRAPHERS WITH AN INTEREST IN EDUCATION.

MANAGING RISK AND DECISION MAKING IN TIMES OF ECONOMIC DISTRESS SIMON GRIMA 2022-03-01 MANAGING RISK AND

DECISION MAKING IN TIMES OF ECONOMIC DISTRESS ADDS MUCH NEEDED SCHOLARLY ANALYSIS OF THE FLEDGLING DECISION/CONTROL APPROACH, ARGUING THE MERITS OF ITS EMPIRICAL CONTENT TO SHED LIGHT ON THE STRUCTURE OF CAPITAL CONTRACTS AND RATIONALE FOR DIVERSITY OF OBJECTIVES.

EWORK AND EBUSINESS IN ARCHITECTURE, ENGINEERING AND CONSTRUCTION: ECPPM 2016 SYMEON CHRISTODOULOU 2017-03-27 EWORK AND EBUSINESS IN ARCHITECTURE, ENGINEERING AND CONSTRUCTION 2016 COLLECTS THE PAPERS PRESENTED AT THE 11TH EUROPEAN CONFERENCE ON PRODUCT & PROCESS MODELLING (ECPPM 2016, CYPRUS, 7-9 SEPTEMBER 2016), THE CONTRIBUTIONS COVER COMPLEMENTARY THEMATIC AREAS THAT HOLD GREAT PROMISE FOR THE ADVANCEMENT OF RESEARCH AND TECHNOLOGICAL DEVELOPMENT IN THE MODELLING OF COMPLEX ENGINEERING SYSTEMS, ENCOMPASSING A SUBSTANTIAL NUMBER OF HIGH QUALITY CONTRIBUTIONS ON A LARGE SPECTRUM OF TOPICS PERTAINING TO ICT DEPLOYMENT INSTANCES IN AEC/FM, INCLUDING: • INFORMATION AND KNOWLEDGE MANAGEMENT • CONSTRUCTION MANAGEMENT • DESCRIPTION LOGICS AND ONTOLOGY APPLICATION IN AEC • RISK MANAGEMENT • 5D/ND MODELLING, SIMULATION AND AUGMENTED REALITY • INFRASTRUCTURE CONDITION ASSESSMENT • STANDARDIZATION OF DATA STRUCTURES • REGULATORY AND LEGAL ASPECTS • MULTI-MODEL AND DISTRIBUTED DATA MANAGEMENT • SYSTEM IDENTIFICATION • INDUSTRIALIZED PRODUCTION, SMART PRODUCTS AND SERVICES • INTEROPERABILITY • SMART CITIES • SUSTAINABLE BUILDINGS AND URBAN ENVIRONMENTS • COLLABORATION AND TEAMWORK • BIM IMPLEMENTATION AND DEPLOYMENT • BUILDING PERFORMANCE SIMULATION • INTELLIGENT CATALOGUES AND SERVICES

SUSTAINABILITY ASSESSMENT OF URBAN SYSTEMS CLAUDIA R. BINDER 2020-02-29 OUR WORLD IS BECOMING MORE URBAN. MORE THAN FIFTY PERCENT OF THE GLOBAL POPULATION NOW LIVES IN CITIES, WHICH POSES NEW CHALLENGES FOR SUSTAINABLE DEVELOPMENT. THIS BOOK INTEGRATES THEORY AND METHODS OF SUSTAINABILITY ASSESSMENT WITH CONCEPTS FROM SYSTEMS SCIENCE TO PROVIDE GUIDELINES FOR ASSESSING THE SUSTAINABILITY OF URBAN SYSTEMS. IT DISCUSSES DIFFERENT ASPECTS OF URBAN SUSTAINABILITY, FROM ENERGY AND HOUSING, TO MOBILITY AND HEALTH, COVERING SOCIAL, ECONOMIC AND ENVIRONMENTAL FACTORS, AS WELL AS THE VARIOUS STAKEHOLDERS AND ACTORS INVOLVED. THE BOOK ARGUES FOR THE NEED TO FIND MODELS AND SOLUTIONS IN ORDER TO DESIGN SUSTAINABLE CITIES OF THE FUTURE IN LIGHT OF THE COMPLEXITY OF URBAN SOCIAL LIFE. INCLUDING DIVERSE CASE STUDIES FROM THE DEVELOPED AND DEVELOPING WORLD, THIS BOOK PROVIDES A USEFUL REFERENCE FOR RESEARCHERS AND STUDENTS FROM A BROAD RANGE OF DISCIPLINES WORKING IN THE FIELD OF SUSTAINABILITY, AS WELL AS FOR ENVIRONMENTAL CONSULTANTS AND POLICY MAKERS.

THE ELGAR COMPANION TO GEOGRAPHY, TRANSDISCIPLINARITY AND SUSTAINABILITY FAUSTO O. SARMIENTO 2020-05-29 WITH CONTRIBUTIONS FROM TOP GEOGRAPHERS, THIS COMPANION FRAMES SUSTAINABILITY AS EXEMPLAR OF TRANSDISCIPLINARY SCIENCE (CRITICAL GEOGRAPHY) WHILE IMPROVING FUTURE SCENARIOS, DEBATING PERSPECTIVES BETWEEN RICH NORTH/POOR SOUTH, MODERN URBAN/BACKWARDS RURAL, AND EVERYTHING IN BETWEEN. THE COMPANION HAS FIVE SECTIONS THAT CARRY THE READER FROM FOUNDATIONAL CONSIDERATIONS TO INTEGRATIVE TRENDS, TO RESOURCES USE AND ACCOMMODATION, TO EXAMPLES HIGHLIGHTING NON-TRADITIONAL PATHWAYS, TO A POSTSCRIPT ABOUT COOPERATION OF THE INDUSTRIALIZED EARTH AND A PROGNOSIS OF THE ROAD AHEAD FOR THE NEW GEOGRAPHIES OF SUSTAINABILITY.

URBAN SUSTAINABILITY: POLICY AND PRAXIS JAY D. GATRELL 2016-03-05 THIS BOOK EXPLORES THE ENVIRONMENTAL, ECONOMIC, AND SOCIO-POLITICAL DYNAMICS OF SUSTAINABILITY FROM A GEOGRAPHIC PERSPECTIVE. THE CHAPTERS UNITE THE OFTEN DISPARATE WORLDS OF ENVIRONMENT, ECONOMICS, AND POLITICS BY SEEKING TO UNDERSTAND AND VISUALIZE A RANGE OF SUSTAINABILITY PRACTICES ON THE GROUND AND IN PLACE. IN CONCERT, THE BOOK PROVIDES AN OVERVIEW OF A RANGE OF GEOTECHNICAL APPLICATIONS ASSOCIATED WITH ENVIRONMENTAL CHANGE (WATER RESOURCES, LAND USE & LAND COVER CHANGE); AS WELL AS INVESTIGATES MORE NUANCED AND NOVEL EXAMPLES OF LOCAL ECONOMIC DEVELOPMENT IN CITIES. THE DIVERSE COLLECTION MAPS LOCAL PRACTICES FROM URBAN FARMING TO EVOLVING AND THRIVING INDUSTRIES SUCH AS METAL SCRAPPING AND CRAFT BEER. ADDITIONALLY, THE BOOK PROVIDES AN INTEGRATED GEO-TECHNICAL FRAMEWORK FOR UNDERSTANDING AND ASSESSING ECOSYSTEM SERVICES, EXPLORES THE DEPLOYMENT OF UNMANNED SYSTEMS TO UNDERSTAND URBAN ENVIRONMENTAL CHANGE, INTERROGATES THE SPATIAL POLITICS OF URBAN GREEN MOVEMENTS, EXAMINES THE IMPLICATIONS OF REVISED PLANNING PRACTICES, AND INVESTIGATES ENVIRONMENTAL JUSTICE. THE BOOK WILL BE OF INTEREST TO RESEARCHERS, STUDENTS, AND ANYONE SEEKING TO BETTER UNDERSTAND SUSTAINABILITY AT MULTIPLE SCALES IN URBAN ENVIRONMENTS.

ISSUES IN TEACHING AND LEARNING OF EDUCATION FOR SUSTAINABILITY CHEW-HUNG CHANG 2019-09-25 IN A FAST-CHANGING, GLOBALISING WORLD, THE TEACHING AND IMPLEMENTATION OF A CURRICULUM FOR EDUCATION FOR SUSTAINABILITY (EFS) HAS BEEN A CHALLENGE FOR MANY TEACHERS. ISSUES IN TEACHING AND LEARNING OF EDUCATION FOR SUSTAINABILITY HIGHLIGHTS THE ISSUES AND CHALLENGES EDUCATORS AND ACADEMICS FACE IN IMPLEMENTING EFS AND GIVES EXAMPLES OF WHAT AN EFS CURRICULUM MAY LOOK LIKE AND HOW SOME INSTITUTIONS TRANSLATE THE THEORY INTO PRACTICE. ORGANISED INTO THREE PARTS, THE VOLUME

LOOKS AT: THE WHO (EFS FOR WHOM), THE WHAT (EFS CURRICULUM) AND THE HOW (TRANSLATING FROM THEORY TO PRACTICE). THE CONCLUDING CHAPTER PROVIDES IDEAS AND DIRECTIONS ON WHERE THE WORLD CAN PROCEED REGARDING SUSTAINABILITY EDUCATION AND HOW IT CAN HELP IN THE TEACHING AND LEARNING OF SUSTAINABILITY. CONSIDERING SOCIAL ISSUES SUCH AS POVERTY, EDUCATION, HEALTH, CULTURE AND THE USE OF NATURAL RESOURCES, THIS BOOK PROPOSES A DIFFERENT PATH TOWARDS EDUCATION FOR SUSTAINABILITY. PROVIDING CONCRETE DATA ON THE REALISATION OF SUSTAINABLE DEVELOPMENT, ISSUES IN TEACHING AND LEARNING OF EDUCATION FOR SUSTAINABILITY WILL BE OF INTEREST TO GEOGRAPHERS, GEOGRAPHY EDUCATORS AND PROFESSIONALS CONCERNED WITH EDUCATION FOR SUSTAINABILITY.

SUSTAINABILITY ASSESSMENT ROBERT GIBSON 2016-08-12 CURRENT AND EXPANDING HUMAN ACTIVITIES ARE MOVING US TOWARDS EVER DEEPER UNSUSTAINABILITY. WHILE THERE IS NO SINGLE, SIMPLE MEANS OF REVERSING THE INVIDIOUS BIOPHYSICAL TRENDS AND REDIRECTING THE DISTRIBUTION OF BENEFITS, ONE NECESSARY STEP IS TO APPROACH EVERY NEW AND RENEWED UNDERTAKING AS AN OPPORTUNITY TO DELIVER MAXIMUM MULTIPLE, MUTUALLY REINFORCING, FAIRLY DISTRIBUTED AND LASTING GAINS. FINDING THE BEST OPTIONS FOR ENHANCING SUCH GAINS BY COMPARING ALTERNATIVES, ADDRESSING ALL THE KEY REQUIREMENTS FOR PROGRESS TOWARDS SUSTAINABILITY AND AVOIDING SIGNIFICANT ADVERSE EFFECTS, IS THE ESSENTIAL PURPOSE OF SUSTAINABILITY ASSESSMENT. THIS BOOK ADDRESSES THE THEORY AND PRACTICE OF SUSTAINABILITY ASSESSMENT APPLICATIONS, DRAWING FROM EXPERIENCES GLOBALLY IN A VARIETY OF SECTORS AND PRESENTING LESSONS LEARNED. DIVERSE INTERNATIONAL CASE STUDIES FROM PROFESSIONALS AND ACADEMICS DEMONSTRATE PROGRESS SO FAR IN EXPLORING OPENINGS, TESTING APPROACHES TO APPLICATION AND ESTABLISHING BEST PRACTICE. THE BOOK ILLUSTRATES MEANS OF SPECIFYING GENERIC SUSTAINABILITY CRITERIA FOR THE CONTEXT OF PARTICULAR APPLICATIONS, REPORTS ON THE RESULTING INSIGHTS, AND EXAMINES THE BARRIERS AND OPPORTUNITIES FOR FURTHER ADVANCES. THIS BOOK IS AN IMPORTANT RESOURCE FOR STUDENTS, ACADEMICS AND PROFESSIONALS IN THE AREAS OF GOVERNANCE, ENVIRONMENTAL ASSESSMENT, PLANNING AND POLICY MAKING, CORPORATE SOCIAL RESPONSIBILITY AND APPLIED SUSTAINABILITY.

RESOURCE ACCOUNTING FOR SUSTAINABILITY ASSESSMENT MARIO GIAMPIETRO 2014-05-30 THE DEMANDS PLACED ON LAND, WATER, ENERGY AND OTHER NATURAL RESOURCES ARE EXACERBATED AS THE WORLD POPULATION CONTINUES TO INCREASE TOGETHER WITH THE EXPECTATIONS OF ECONOMIC GROWTH. THIS, COMBINED WITH CONCERNS OVER ENVIRONMENTAL CHANGE, PRESENTS A SET OF SCIENTIFIC, POLICY AND MANAGEMENT ISSUES THAT ARE CRITICAL FOR SUSTAINABILITY. RESOURCE ACCOUNTING FOR SUSTAINABILITY ASSESSMENT: THE NEXUS BETWEEN ENERGY, FOOD, WATER AND LAND USE OFFERS AN APPROACH FOR MULTI-SCALE, INTEGRATED ASSESSMENT OF THIS NEXUS. IT PRESENTS A COMPREHENSIVE AND ORIGINAL METHOD OF RESOURCE ACCOUNTING FOR INTEGRATED SUSTAINABILITY ASSESSMENTS. THE APPROACH IS ILLUSTRATED WITH THREE DETAILED CASE STUDIES: THE ISLANDS OF MAURITIUS, THE INDIAN STATE OF PUNJAB, AND THE ENERGY ECONOMY OF SOUTH AFRICA. THE RELATIONSHIPS BETWEEN FLOWS OF GOODS, SERVICES AND MATERIALS IN THESE CASE STUDIES OFFER VALUABLE INSIGHTS. THE BOOK PROVIDES A MUCH NEEDED QUALITY CONTROL ON THE INFORMATION USED IN DELIBERATIVE PROCESSES ABOUT POLICY AND PLANNING ACTIVITIES. THIS INNOVATIVE BOOK WILL BE OF INTEREST TO RESEARCHERS, STUDENTS AND PRACTITIONERS IN THE FIELDS OF SUSTAINABILITY SCIENCE, INTERNATIONAL DEVELOPMENT, INDUSTRIAL ECOLOGY, SUSTAINABLE RESOURCE MANAGEMENT, GEOGRAPHY AND ECOLOGICAL ECONOMICS.

PATHWAYS TO URBAN SUSTAINABILITY NATIONAL ACADEMIES OF SCIENCES, ENGINEERING, AND MEDICINE 2016-10-11 CITIES HAVE EXPERIENCED AN UNPRECEDENTED RATE OF GROWTH IN THE LAST DECADE. MORE THAN HALF THE WORLD'S POPULATION LIVES IN URBAN AREAS, WITH THE U.S. PERCENTAGE AT 80 PERCENT. CITIES HAVE CAPTURED MORE THAN 80 PERCENT OF THE GLOBE'S ECONOMIC ACTIVITY AND OFFERED SOCIAL MOBILITY AND ECONOMIC PROSPERITY TO MILLIONS BY CLUSTERING CREATIVE, INNOVATIVE, AND EDUCATED INDIVIDUALS AND ORGANIZATIONS. CLUSTERING POPULATIONS, HOWEVER, CAN COMPOUND BOTH POSITIVE AND NEGATIVE CONDITIONS, WITH MANY MODERN URBAN AREAS EXPERIENCING GROWING INEQUALITY, DEBILITY, AND ENVIRONMENTAL DEGRADATION. THE SPREAD AND CONTINUED GROWTH OF URBAN AREAS PRESENTS A NUMBER OF CONCERNS FOR A SUSTAINABLE FUTURE, PARTICULARLY IF CITIES CANNOT ADEQUATELY ADDRESS THE RISE OF POVERTY, HUNGER, RESOURCE CONSUMPTION, AND BIODIVERSITY LOSS IN THEIR BORDERS. INTENDED AS A COMPARATIVE ILLUSTRATION OF THE TYPES OF URBAN SUSTAINABILITY PATHWAYS AND SUBSEQUENT LESSONS LEARNED EXISTING IN URBAN AREAS, THIS STUDY EXAMINES SPECIFIC EXAMPLES THAT CUT ACROSS GEOGRAPHIES AND SCALES AND THAT FEATURE A RANGE OF URBAN SUSTAINABILITY CHALLENGES AND OPPORTUNITIES FOR COLLABORATIVE LEARNING ACROSS METROPOLITAN REGIONS. IT FOCUSES ON NINE CITIES ACROSS THE UNITED STATES AND CANADA (LOS ANGELES, CA, NEW YORK CITY, NY, PHILADELPHIA, PA, PITTSBURGH, PA, GRAND RAPIDS, MI, FLINT, MI, CEDAR RAPIDS, IA, CHATTANOOGA, TN, AND VANCOUVER, CANADA), CHOSEN TO REPRESENT A VARIETY OF METROPOLITAN REGIONS, WITH CONSIDERATION GIVEN TO CITY SIZE, PROXIMITY TO COASTAL AND OTHER WATERWAYS, SUSCEPTIBILITY TO HAZARDS, PRIMARY INDUSTRY, AND SEVERAL OTHER FACTORS.

ACHIEVING WATER-ENERGY-FOOD NEXUS SUSTAINABILITY: A SCIENCE AND DATA NEED OR A NEED FOR INTEGRATED PUBLIC

FUTURES RESEARCH AND ENVIRONMENTAL SUSTAINABILITY JAMES K. LEIN 2016-12-08 THIS BOOK EXPLORES THE CHALLENGES OF PRESENTING SUSTAINABILITY AS A MORE ACTIONABLE OR PRACTICAL CONCEPT AND IDENTIFYING APPROACHES THAT MIGHT OFFER USEFUL ASSISTANCE IN ADDRESSING THE TEMPORAL AND SPATIAL REPRESENTATION OF SUSTAINABILITY. THE UNDERLYING PREMISE OF THIS BOOK IS THAT SUSTAINABILITY IS A STATE REALIZED IN THE FUTURE. IN THAT FUTURE THERE IS A GEOGRAPHIC ARRANGEMENT OF SOCIETY AND ECONOMY THAT AGREES WITH ITS ENVIRONMENTAL SETTING. THIS FUTURE PERSPECTIVE INTRODUCES A LITTLE EXAMINED SUBJECT AREA THAT CAN LEND SIGNIFICANT CONTENT TO THE SUSTAINABILITY CHALLENGE: FUTURES RESEARCH.

FUTURE CHALLENGES IN EVALUATING AND MANAGING SUSTAINABLE DEVELOPMENT IN THE BUILT ENVIRONMENT PETER S. BRANDON 2017-04-05 FUTURE CHALLENGES IN SUSTAINABLE DEVELOPMENT WITHIN THE BUILT ENVIRONMENT STIMULATES AND REINTERPRETS THE DEMANDS OF RESPONSIBLE AND SUSTAINABLE DEVELOPMENT IN THE BUILT ENVIRONMENT FOR FUTURE ACTION AND DEVELOPMENT. IT EXAMINES THE METHODS OF EVALUATION, THE USE OF TECHNOLOGY, THE CREATION OF NEW MODELS AND THE ROLE OF HUMAN FACTORS FOR EXAMINING AND DEVELOPING THE SUBJECT OVER THE NEXT TWENTY YEARS.

HANDBOOK OF SUSTAINABLE TRANSPORT CAREY CURTIS 2020-12-25 EXPLORING THE NEED FOR A SUSTAINABLE TRANSPORT PARADIGM, WHICH HAS BEEN SOUGHT AFTER BY LOCAL AND NATIONAL AUTHORITIES INTERNATIONALLY OVER THE LAST 30 YEARS, THIS ILLUMINATING AND TIMELY HANDBOOK OFFERS INSIGHTS INTO HOW THIS CAN BE SECURED MORE BROADLY AND WHAT IT MAY INVOLVE, AS WELL AS THE CHALLENGES THAT THE SUSTAINABLE TRANSPORT APPROACH FACES. THE HANDBOOK OFFERS READERS A HOLISTIC UNDERSTANDING OF THE PARADIGM BY DRAWING ON A WIDE RANGE OF RESEARCH AND RELEVANT CASE STUDIES THAT SHOWCASE WHERE THE PRINCIPLES OF SUSTAINABLE TRANSPORT HAVE BEEN IMPLEMENTED.

THE INTERNATIONAL DIMENSION OF ENTREPRENEURIAL DECISION-MAKING ANDREA CAPUTO 2022-01-03 THIS BOOK FOCUSES ON UNDERSTANDING THE INTERNATIONAL BEHAVIOURS OF SMES, ENTREPRENEURIAL VENTURES, AND ENTREPRENEURS. THE COLLECTION OF CONTRIBUTIONS GATHERED IN THE BOOK HIGHLIGHTS THE IMPORTANCE OF CULTURES, CONTEXTS AND BEHAVIOURS THAT PERTAIN TO THE INTERNATIONAL ENTREPRENEURSHIP ARENA. THE RESPECTIVE CHAPTERS ADDRESS TOPICS SUCH AS ENTREPRENEURIAL COGNITION, INTERNATIONAL ENTREPRENEURIAL ECOSYSTEMS, INNOVATION, INTERNATIONAL MARKET ENTRY DECISIONS, FAMILY SMES, INTERNATIONAL HUMAN RESOURCES MANAGEMENT, CROSS-CULTURAL AND INDIGENOUS ENTREPRENEURSHIP, SOCIAL CAPITAL AND SUSTAINABILITY IN INTERNATIONAL MARKETS. ALL CONTRIBUTIONS ARE BASED ON THE LATEST EMPIRICAL AND THEORETICAL RESEARCH, AND PROVIDE KEY FINDINGS AND CONCRETE RECOMMENDATIONS FOR SCHOLARS, ENTREPRENEURS, ORGANIZATIONS AND POLICY MAKERS.

THE INTERNATIONAL ENCYCLOPEDIA OF GEOGRAPHY DOUGLAS RICHARDSON 2017

INFORMATION AND COMMUNICATION TECHNOLOGY FOR SUSTAINABLE DEVELOPMENT CESAR MAROLLA 2018-11-13 INFORMATION AND COMMUNICATION TECHNOLOGY FOR SUSTAINABLE DEVELOPMENT SHOWS HOW ICT, AS AN ENABLER FOR ALL SPHERES OF DEVELOPMENT, CAN HELP INNOVATE BUSINESS PROCESSES AND OPERATIONS, AND PROVIDE FASTER INTEGRATION OF NEW TECHNOLOGIES INTO BUSINESS SYSTEMS. FOCUSED ON SUSTAINABILITY, THE BOOK ADDRESSES STRATEGIC APPROACHES TO COPE WITH A RANGE OF CLIMATIC, ENVIRONMENTAL, CYBER-SECURITY THREATS AND OTHER GLOBAL RISKS, AND AIMS TO PROMOTE PROSPERITY AND ECONOMIC GROWTH. FURTHERMORE, IT EXPLORES HOW THE ADOPTION OF NEW TECHNOLOGIES, AND COLLECTIVE ACTION BASED UPON A STRATEGIC BEHAVIORAL THEORY OF NEW LEADERSHIP, CAN BE APPLIED WHEN RESPONDING TO SPECIFIC SET OF CONDITIONS THAT ALLOW FOR THE PROPOSED STRATEGIES TO COPE WITH RISKS. INFORMATION TECHNOLOGY AND STRATEGIC PLANNING COMPLEMENT EACH OTHER TO ATTAIN THE SUSTAINABLE DEVELOPMENT GOALS (SDGs). RISK MANAGEMENT FRAMEWORKS, BUSINESS CONTINUITY SYSTEMS, AND STRATEGIC PLANNING METHODOLOGIES SUCH AS MECHANISM DESIGN THEORY, STRATEGIC ADAPTIVE COGNITION (SAC), AND RISK MECHANISM THEORY (RMT) ARE THE FUNDAMENTAL COMPONENTS NEEDED TO HAVE A UNIVERSAL APPROACH EMBEDDED INTO THE NATIONAL DEVELOPMENT PLANS AGENDA. AS TECHNOLOGY NO LONGER FOLLOWS AN ORDERLY, LINEAR PATH, BUT IMPROVES EXPONENTIALLY, DEVELOPING A STRATEGIC APPROACH TO ICT IMPLEMENTATION HELP WORLD LEADERS IN THE DIFFICULT BUT INSPIRING TASK OF MAKING A SUSTAINABLE WORLD AND CONSEQUENTLY FIND SOLUTIONS TO ACHIEVE THE SDGs AND THE DESIRED GROWTH PATTERN THAT MUST BE SUSTAINED, INCLUSIVE AND EQUITABLE. FEATURES: DISCUSSES FOR THE FIRST TIME THE POTENTIAL OF ICT AS A TRANSFORMATIVE POWER IN FINDING SOLUTIONS TO CLIMATIC AND ECONOMIC ISSUES. ILLUSTRATES COMPREHENSIVE STRATEGIC PLANNING FOR LEADERS TO IMPLEMENT IN BOTH PUBLIC AND PRIVATE ORGANIZATIONS. INTEGRATES STANDARDS AND FRAMEWORKS IN THE CONTEXT OF SUSTAINABLE DEVELOPMENT ALONG WITH THE UN SUSTAINABLE DEVELOPMENT GOALS. DESCRIBES IN DETAIL HOW MECHANISM DESIGN, RISK MANAGEMENT, BUSINESS CONTINUITY SYSTEMS, A COMPREHENSIVE STRATEGIC PLANNING USING SAC (STRATEGIC ADAPTIVE COGNITION) AND RISK MECHANISM THEORY CAN BE USED TO ADDRESS ENVIRONMENTAL RISKS AND ATTAIN SUSTAINABLE DEVELOPMENT GOALS (SDGs). EXPLAINS eHEALTH AS

AN ADAPTATION STRATEGY TO ADDRESS FUTURE CHANGES IN CLIMATE AND IMPACTS, AND THE LINKS BETWEEN MITIGATION AND ADAPTATION TO ICTs.

COASTAL TOURISM, SUSTAINABILITY, AND CLIMATE CHANGE IN THE CARIBBEAN, VOLUME II MARTHA HONEY 2017-03-24 THIS SECOND VOLUME ON COASTAL TOURISM AND CLIMATE CHANGE IN THE CARIBBEAN EXAMINES THREE KEY SUPPORTING SECTORS: GOLF, LOCAL AGRICULTURE AND CUISINE, AND AVIATION. TODAY, CLIMATE CHANGE IS PROPELLING ACCELERATED REFORMS IN THESE THREE SECTORS. INITIATIVES TO LINK LOCAL AGRICULTURE TO TOURISM ARE ENRICHING VISITOR EXPERIENCES AND REVITALIZING LOCAL CROPS AND CUISINE, WHILE REDUCING THE CARBON IMPACT-THE FOOD PRINT-FROM AGRICULTURAL IMPORTS. SIMILARLY, GOLF CERTIFICATION PROGRAMS ARE PROVIDING TEMPLATES FOR CONSTRUCTING AND OPERATING COURSES WITH SMALLER CARBON FOOTPRINTS. IN AVIATION, AS WELL, VIRTUALLY ALL INTERNATIONAL AIRLINES ARE TESTING NON-FOSSIL FUEL ALTERNATIVES, AND A NASCENT BUT GROWING GREEN AIRPORT MOVEMENT IS REDUCING AVIATION'S CARBON FOOTPRINT AND IMPROVING ITS RESILIENCE. AS THE VOLUME CONCLUDES, COASTAL TOURISM IN THE CARIBBEAN IS TODAY ADDRESSING TWO INTERTWINED CONCERNS AND OPPORTUNITIES: [?] THE IMPACTS OF CLIMATE CHANGE AND IMPERATIVE OF RESPONSIBLE TOURISM.[?]

THE GEOGRAPHY OF RURAL CHANGE BRIAN ILBERY 2014-09-11 THE GEOGRAPHY OF RURAL CHANGE PROVIDES A THOROUGH EXAMINATION OF THE PROCESSES AND OUTCOMES OF RURAL CHANGE AS A RESULT OF A PERIOD OF MAJOR RESTRUCTURING IN DEVELOPED MARKET ECONOMIES. AFTER OUTLINING THE MAIN DIMENSIONS OF RURAL CHANGE, THE BOOK PROGRESSES FROM A DISCUSSION OF THEORETICAL INSIGHTS INTO RURAL RESTRUCTURING TO A CONSIDERATION OF BOTH THE EXTENSIVE USE OF RURAL LAND AND THE CHANGING NATURE OF RURAL ECONOMY AND SOCIETY. THE TEXT PLACES AN EMPHASIS ON RELEVANT PRINCIPLES, CONCEPTS AND THEORIES OF RURAL CHANGE, AND THESE ARE SUPPORTED BY EXTENSIVE CASE STUDY EVIDENCE DRAWN FROM DIFFERENT PARTS OF THE DEVELOPED WORLD. THE GEOGRAPHY OF RURAL CHANGE IS WRITTEN FOR UNDERGRADUATES TAKING COURSES IN HUMAN GEOGRAPHY, AGRICULTURAL GEOGRAPHY, RURAL GEOGRAPHY, RURAL SOCIOLOGY, PLANNING AND AGRICULTURAL ECONOMICS.

SUSTAINABILITY THOMAS PFISTER 2016-05-26 SUSTAINABILITY AS A REFERENCE FRAME FOR DEALING WITH THE INTERCONNECTION OF ENVIRONMENTAL, ECONOMIC AND SOCIAL ISSUES ON A GLOBAL SCALE IS NOT ONLY CHARACTERIZED BY COMPLEX PROBLEMS AND LONG-TERM STRATEGIES BUT ALSO BY DIFFERENCES AND DISAGREEMENTS WITH REGARD TO ITS MEANINGS AND HOW THEY SHOULD BE REALISED. THEREFORE, RATHER THAN SEEKING A SINGLE MOST APPROPRIATE DEFINITION OF SUSTAINABILITY, THE MAIN FOCUS OF THIS BOOK IS ON HOW SPECIFIC SUSTAINABILITY PROBLEMS ARE DEFINED BY WHOM AND IN WHICH CONTEXTS, WHAT SOLUTIONS ARE PURSUED TO TACKLE THEM, AND WHICH EFFECTS THEY HAVE IN PRACTICE. THIS ACCOUNT OF THE SOCIAL NATURE OF SUSTAINABILITY IS INTENDED TO ASSIST ITS READERS TO BETTER UNDERSTAND THE COMPLEXITIES, DYNAMISM, AND AMBIVALENCE OF THIS CONCEPT AS WELL AS TO FIND THEIR OWN POSITION IN RELATION TO IT. FOR THIS PURPOSE, THE BOOK TRACES THE HISTORICAL DEVELOPMENT OF THE LARGER DISCOURSE ON SUSTAINABILITY AND INVESTIGATES RESPONSES TO THREE GRAND SUSTAINABILITY CHALLENGES: CLIMATE CHANGE, ENERGY, AND AGRICULTURAL FOOD PRODUCTION. IT SUGGESTS THAT PROMOTING SUSTAINABILITY REQUIRES CONTINUOUS AND ACTIVE CARE AND IS INSEPARABLE FROM POLITICAL DEBATE ABOUT THE NORMATIVE FOUNDATIONS OF SOCIETY.

RESEARCH AND DEBATE IN PRIMARY GEOGRAPHY SIMON CATLING 2017-10-02 THIS BOOK BRINGS TOGETHER RECENT PAPERS WHICH MAKE IMPORTANT CONTRIBUTIONS TO UNDERSTANDING AND DEVELOPING PRIMARY GEOGRAPHY. IT CONSIDERS PRIMARY TEACHERS' AND TRAINEE TEACHERS' KNOWLEDGE OF GEOGRAPHY; HOW THE PRIMARY CURRICULUM USES GEOGRAPHY; TEACHERS' PLANNING OF GEOGRAPHY TEACHING; THE WAY IN WHICH ASPECTS OF GEOGRAPHY ARE TAUGHT; WHAT HIGH QUALITY GEOGRAPHY MIGHT LOOK LIKE; AND CHILDREN'S GEOGRAPHICAL UNDERSTANDING AND VOICES. THOUGH GEOGRAPHY CURRICULA CHANGE QUITE OFTEN IN COUNTRIES AROUND THE WORLD, THE CORE MATTERS NOTED ABOVE REMAIN OF CONSTANT AND VITAL IMPORTANCE. THE PAPERS IN THIS BOOK EITHER CONCERN RESEARCH WITH PRIMARY TEACHERS AND CHILDREN, OR CONSIDER KEY CONCERNS IN PRIMARY GEOGRAPHY, PROVIDING IMPORTANT PERSPECTIVES FOR THINKING ABOUT FUTURE DEVELOPMENTS IN GEOGRAPHY TEACHING AND CURRICULUM INITIATIVES IN PRIMARY SCHOOLS. THIS IS A STIMULATING AND ENTICING COLLECTION WRITTEN BY LEADING EXPONENTS OF, AND EXPERTS IN, PRIMARY GEOGRAPHY EDUCATION. THIS BOOK WAS ORIGINALLY PUBLISHED AS A SPECIAL ISSUE OF EDUCATION 3-13.

HANDBOOK OF RESEARCH ON INTERDISCIPLINARY APPROACHES TO DECISION MAKING FOR SUSTAINABLE SUPPLY CHAINS AWASTHI, ANJALI 2019-09-27 BUSINESSES MUST CREATE INITIATIVES AND ADOPT ECO-FRIENDLY PRACTICES IN ORDER TO ADHERE TO THE SUSTAINABILITY GOALS OF A GLOBALIZED WORLD. RECYCLING, PRODUCT SERVICE SYSTEMS, AND GREEN MANUFACTURING ARE JUST A FEW METHODS BUSINESSES USE WITHIN A SUSTAINABLE SUPPLY CHAIN. HOWEVER, THESE TOOLS AND TECHNIQUES MUST ALSO ENSURE BUSINESS GROWTH IN ORDER TO REMAIN RELEVANT IN AN ENVIRONMENTALLY-CONSCIOUS WORLD. THE HANDBOOK OF RESEARCH ON INTERDISCIPLINARY APPROACHES TO DECISION MAKING FOR SUSTAINABLE SUPPLY CHAINS PROVIDES

INTERDISCIPLINARY APPROACHES TO SUSTAINABLE SUPPLY CHAIN MANAGEMENT THROUGH THE OPTIMIZATION OF SYSTEM PERFORMANCE AND DEVELOPMENT OF NEW POLICIES, DESIGN NETWORKS, AND EFFECTIVE REVERSE LOGISTICS PRACTICES. FEATURING RESEARCH ON TOPICS SUCH AS INDUSTRIAL SYMBIOSIS, GREEN COLLABORATION, AND CLEAN TRANSPORTATION, THIS BOOK IS IDEALLY DESIGNED FOR POLICYMAKERS, BUSINESS EXECUTIVES, WAREHOUSE MANAGERS, OPERATIONS MANAGERS, SUPPLIERS, INDUSTRY PROFESSIONALS, SUSTAINABILITY DEVELOPERS, DECISION MAKERS, STUDENTS, ACADEMICIANS, PRACTITIONERS, AND RESEARCHERS SEEKING CURRENT RESEARCH ON REDUCING THE ENVIRONMENTAL IMPACTS OF BUSINESSES VIA SUSTAINABLE SUPPLY CHAIN PLANNING.

GEOGRAPHIES OF TRANSPORT AND MOBILITY STEWART BARR 2017-10-04 GEOGRAPHIES OF TRANSPORT AND MOBILITY AIMS TO PROVIDE A COMPREHENSIVE AND EVIDENCED ACCOUNT OF THE INTELLECTUAL AND PRAGMATIC CHALLENGES FOR PERSONAL MOBILITY IN THE TWENTY-FIRST CENTURY. IN DOING SO, IT ARGUES THAT GEOGRAPHERS HAVE A KEY ROLE TO PLAY IN SHAPING ACADEMIC AND POLICY DEBATES ON HOW PERSONAL MOBILITY CAN BECOME MORE SUSTAINABLE. THE BOOK IS STRUCTURED IN THREE PARTS. PART I EXPLORES HOW PERSONAL MOBILITY HAS EVOLVED SINCE THE MID-NINETEENTH CENTURY, PLOTTING THE INTRICATE RELATIONSHIP BETWEEN NEW FORMS OF MOBILE TECHNOLOGY, URBAN PLANNING AND DESIGN AND SOCIAL PRACTICES. PART II EXAMINES HOW RESEARCHERS STUDY TRANSPORT AND MOBILITY, AND OUTLINES THE DIFFERENT INTELLECTUAL TRAJECTORIES OF TRANSPORT GEOGRAPHY AND GEOGRAPHIES OF MOBILITIES. PART III THEN OUTLINES AND DISCUSSES THE DISCOURSE OF SUSTAINABLE MOBILITY THAT HAS EMERGED IN RECENT YEARS; THE WAYS IN WHICH SOCIAL, ECONOMIC AND ENVIRONMENTAL SUSTAINABILITY CAN BE PROMOTED THROUGH DIFFERENT STRATEGIES, FOCUSING ON BEHAVIOURAL CHANGE AND URBAN DESIGN. GEOGRAPHIES OF TRANSPORT AND MOBILITY PROVIDES A UNIQUE PERSPECTIVE ON PERSONAL MOBILITY BY DEMONSTRATING HOW THE WAY WE TRAVEL HAS DEVELOPED THROUGH COMPLEX ECONOMIC AND SOCIAL PROCESSES. IT ARGUES THAT THIS HISTORICAL CONTEXT IS CRITICAL FOR CONSIDERING HOW MOBILITY IN THE TWENTY-FIRST CENTURY CAN BE MORE SUSTAINABLE, NOT JUST ENVIRONMENTALLY, BUT ALSO ECONOMICALLY AND SOCIALLY. AS SUCH, IT ARGUES FOR A RENEWED FOCUS ON SUSTAINABLE PLACE MAKING AS A WAY TO RADICALLY SHIFT MOBILITY PRACTICES. GEOGRAPHIES OF TRANSPORT AND MOBILITY IS DESIGNED TO APPEAL TO ADVANCED LEVEL UNDERGRADUATE STUDENTS AND RESEARCHERS IN THE FIELDS OF GEOGRAPHY, ANTHROPOLOGY, PSYCHOLOGY, SOCIOLOGY AND TRANSPORT STUDIES.

CULTURE AND SUSTAINABILITY IN EUROPEAN CITIES SVETLANA HRISTOVA 2015-04-21 EUROPEAN CITIES ARE CONTRIBUTING TO THE DEVELOPMENT OF A MORE SUSTAINABLE URBAN SYSTEM THAT IS CAPABLE OF COPING WITH ECONOMIC CRISES, ECOLOGICAL CHALLENGES AND SOCIAL DISPARITIES IN DIFFERENT NATION-STATES AND REGIONS THROUGHOUT EUROPE. THIS BOOK REVEALS IN A PLURALISTIC WAY HOW EUROPEAN CITIES ARE GENERATING NEW APPROACHES TO THEIR SUSTAINABLE DEVELOPMENT, AND THE SPECIAL CONTRIBUTION OF CULTURE TO THESE PROCESSES. IT ADDRESSES BOTH A DEFICIT OF ATTENTION TO SMALL AND MEDIUM-SIZED CITIES IN THE FRAMEWORK OF EUROPEAN SUSTAINABLE DEVELOPMENT, AND AN UNDERESTIMATION OF THE ROLE OF CULTURE, ARTISTIC EXPRESSION AND CREATIVITY FOR INTEGRATED DEVELOPMENT OF THE CITY AS A PREREQUISITE TO URBAN SUSTAINABILITY. ON THE BASIS OF A BROAD COLLECTION OF CASE STUDIES THROUGHOUT EUROPE, REPRESENTING A VARIETY OF REGIONALLY SPECIFIC CULTURAL MODELS OF SUSTAINABLE DEVELOPMENT, THE BOOK INVESTIGATES HOW PARTICIPATIVE CULTURE, COMMUNITY ARTS, AND MORE GENERALLY, CREATIVITY OF CIVIC IMAGINATION ARE CONDUCIVE TO THE GOAL OF A SUSTAINABLE FUTURE OF SMALL AND MEDIUM-SIZED CITIES. THIS IS AN ESSENTIAL VOLUME FOR RESEARCHERS AND POSTGRADUATE STUDENTS IN URBAN STUDIES, CULTURAL STUDIES, CULTURAL GEOGRAPHY AND URBAN SOCIOLOGY AS WELL AS FOR POLICYMAKERS AND PRACTITIONERS WANTING TO UNDERSTAND THE SPECIFICITY OF EUROPEAN CITIES AS HUBS OF INNOVATION, CREATIVITY AND ARTISTIC INDUSTRIOUSNESS.

FUTURE COMMUNICATION, INFORMATION AND COMPUTER SCIENCE DAWEI ZHENG 2015-02-05 THE 2014 INTERNATIONAL CONFERENCE ON FUTURE COMMUNICATION, INFORMATION AND COMPUTER SCIENCE (FCICS 2014) WAS HELD MAY 22-23, 2014 IN BEIJING, CHINA. THE OBJECTIVE OF FCICS 2014 WAS TO PROVIDE A PLATFORM FOR RESEARCHERS, ENGINEERS AND ACADEMICS AS WELL AS INDUSTRIAL PROFESSIONALS FROM ALL OVER THE WORLD TO PRESENT THEIR RESEARCH RESULTS AND DEVELOPM

DECISION-MAKING FOR SUSTAINABLE TRANSPORT AND MOBILITY CATHY MACHARIS 2018-09-28 MULTI-ACTOR MULTI-CRITERIA ANALYSIS (MAMCA) DEVELOPED BY PROFESSOR CATHY MACHARIS ENABLES DECISION-MAKERS WITHIN THE SECTORS OF TRANSPORT, MOBILITY AND LOGISTICS TO ACCOUNT FOR CONFLICTING STAKEHOLDER INTERESTS. THIS BOOK DRAWS ON 15 YEARS OF RESEARCH AND APPLICATION DURING WHICH MAMCA HAS BEEN DEPLOYED TO SUPPORT SUSTAINABLE DECISIONS WITHIN THE TRANSPORT AND MOBILITY SECTORS.

PROGRESS IN MARITIME TECHNOLOGY AND ENGINEERING CARLOS GUEDES SOARES 2018-04-17 PROGRESS IN MARITIME TECHNOLOGY AND ENGINEERING COLLECTS THE PAPERS PRESENTED AT THE 4TH INTERNATIONAL CONFERENCE ON MARITIME TECHNOLOGY AND ENGINEERING (MARTECH 2018, LISBON, PORTUGAL, 7-9 MAY 2018). THIS CONFERENCE HAS EVOLVED FROM A SERIES OF BIENNIAL NATIONAL CONFERENCES IN PORTUGAL, AND HAS DEVELOPED INTO AN INTERNATIONAL EVENT, REFLECTING THE

INTERNATIONALIZATION OF THE MARITIME SECTOR AND ITS ACTIVITIES. MARTECH 2018 IS THE FOURTH IN THIS NEW SERIES OF BIENNIAL CONFERENCES. PROGRESS IN MARITIME TECHNOLOGY AND ENGINEERING CONTAINS ABOUT 80 CONTRIBUTIONS FROM AUTHORS FROM ALL PARTS OF THE WORLD, WHICH WERE REVIEWED BY AN INTERNATIONAL SCIENTIFIC COMMITTEE. THE BOOK IS DIVIDED INTO THE SUBJECT AREAS BELOW: - PORT PERFORMANCE - MARITIME TRANSPORTATION AND ECONOMICS - BIG DATA IN SHIPPING - INTELLIGENT SHIP NAVIGATION - SHIP PERFORMANCE - COMPUTATIONAL FLUID DYNAMICS - RESISTANCE AND PROPULSION - SHIP PROPULSION - DYNAMICS AND CONTROL - MARINE POLLUTION AND SUSTAINABILITY - SHIP DESIGN - SHIP STRUCTURES - STRUCTURES IN COMPOSITE MATERIALS - SHIPYARD TECHNOLOGY - COATING AND CORROSION - MAINTENANCE - RISK ANALYSIS - OFFSHORE AND SUBSEA TECHNOLOGY - SHIP MOTION - SHIPS IN TRANSIT - WAVE-STRUCTURE INTERACTION - WAVE AND WIND ENERGY - WAVES PROGRESS IN MARITIME TECHNOLOGY AND ENGINEERING WILL BE OF INTEREST TO ACADEMICS AND PROFESSIONALS INVOLVED IN THE ABOVE MENTIONED AREAS.

AFRICA IN THE POST-2015 DEVELOPMENT AGENDA LEO CHARLES ZULU 2018-04-19 THIS BOOK OFFERS A MULTIFACETED EXAMINATION OF AFRICA'S DEVELOPMENT INTO THE POST-2015 GLOBAL AGENDA FROM A GEOGRAPHICAL PERSPECTIVE. AS A DIVERSIFIED AND HIGHLY APPLIED DISCIPLINE, GEOGRAPHY HAS A LOT TO OFFER TO GLOBAL DEBATES, NUANCED ANALYSIS OF PROBLEMS ON AND THE SEARCH FOR INNOVATIVE SOLUTIONS TO ADVANCE THE AFRICAN DEVELOPMENT AGENDA BEYOND 2015. THE END OF THE MILLENNIUM DEVELOPMENT GOALS (MDGs) ERA AND THE LAUNCH OF THE SUSTAINABLE DEVELOPMENT GOALS (SDGs) IN SEPTEMBER 2015 MARK AN IMPORTANT TURNING POINT FOR AFRICA AND AN OPPORTUNE TIME TO EXAMINE NEW CHALLENGES AND OPPORTUNITIES THAT IT FACES. THE REGIONAL DISPARITIES IN MDG PROGRESS AFFIRM AN IMPORTANT GEOGRAPHIC TENET THAT THE UNIQUE YET INTERNALLY DIFFERENTIATED SOCIO-CULTURAL, ECONOMIC, POLITICAL, ECOLOGICAL, BIOPHYSICAL AND HISTORICAL CONTEXT GIVE AFRICA DISTINCTIVE CHALLENGES AND OPPORTUNITIES THAT DEMAND PARTICULAR APPROACHES TO DEVELOPMENT. THIS EDITED BOOK PRESENTS INNOVATIVE CONTRIBUTIONS EXAMINING AFRICA'S DEVELOPMENT PERFORMANCE IN DIVERSE SECTORS DURING THE MDG ERA AS A BASIS FOR UNDERSTANDING PROSPECTS FOR ITS DEVELOPMENT IN THE SDG ERA AND BEYOND. IT OFFERS NEW AND INNOVATIVE STUDY PERSPECTIVES AND METHODOLOGICAL APPROACHES ON URBAN TRANSFORMATION, DEVELOPMENT FINANCING, FOOD SECURITY, CLIMATE CHANGE, GENDER EQUALITY, HEALTH, AND REGIONAL INTEGRATION, AMONG OTHER TOPICS, AND USEFUL INSIGHTS FOR SCHOLARS, STUDENTS AND DEVELOPMENT PRACTITIONERS. THIS BOOK WAS ORIGINALLY PUBLISHED AS A SPECIAL ISSUE OF AFRICAN GEOGRAPHICAL REVIEW, THE JOURNAL OF THE AMERICAN ASSOCIATION OF GEOGRAPHERS' AFRICA SPECIALTY GROUP, TO MARK THE TRANSITION FROM MDGs TO SDGs.

PROMOTING THE SUSTAINABLE DEVELOPMENT GOALS IN NORTH AMERICAN CITIES DAVID B. ABRAHAM 2021-03-05 THIS VOLUME PRESENTS NORTH AMERICAN BEST PRACTICES AND PERSPECTIVES ON DEVELOPING, MANAGING AND MONITORING INDICATORS TO TRACK DEVELOPMENT PROGRESS TOWARDS THE SUSTAINABLE DEVELOPMENT GOALS (SDGs) IN LOCAL COMMUNITIES AND CITIES. IN 4 MAIN SECTIONS, THE BOOK PRESENTS AND FRAMES THE MANY WAYS IN WHICH COMMUNITY INDICATOR PROGRAMS ARE EITHER INTEGRATING OR RETOOLING TO INTEGRATE THE SDGs INTO THEIR EXISTING FRAMEWORKS, OR HOW THEY ARE DEVELOPING NEW PROGRAMS TO TRACK AND REPORT PROGRESS ON THE SDGs. THIS IS THE FIRST VOLUME THAT FOCUSES ON SDG ADOPTION WITHIN THE CONTEXT OF NORTH AMERICANS CITIES AND COMMUNITIES, AND THE UNIQUE ISSUES AND OPPORTUNITIES PREVALENT IN THESE SETTINGS. THE CHAPTERS ARE DEVELOPED BY EXPERIENCED ACADEMICS AND PRACTITIONERS OF COMMUNITY PLANNING AND SUSTAINABLE DEVELOPMENT, AND WILL ADD BROAD PERSPECTIVE ON PUBLIC POLICY, ORGANIZATIONAL MANAGEMENT, INFORMATION MANAGEMENT AND DATA VISUALIZATION. THIS VOLUME PRESENTS A CASE-STUDY APPROACH TO CHAPTERS, OFFERING LESSONS THAT CAN BE USED BY THREE MAIN AUDIENCES: 1) TEACHERS AND RESEARCHERS IN AREAS OF URBAN, REGIONAL, AND ENVIRONMENTAL PLANNING, URBAN DEVELOPMENT, AND PUBLIC POLICY; 2) PROFESSIONAL PLANNERS, DECISION-MAKERS, AND URBAN MANAGERS; AND 3) SUSTAINABILITY ACTIVISTS AND INTERESTED GROUPS.

PERFORMING SUSTAINABILITY IN WEST AFRICA MEIKE LETTAU 2022-08-29 THIS BOOK DISCUSSES THE ROLE OF CULTURAL PRACTICES AND POLICY FOR SUSTAINABLE DEVELOPMENT IN WEST AFRICA ACROSS DIFFERENT ARTISTIC DISCIPLINES, INCLUDING PERFORMANCE, VIDEO, THEATRE, COMMUNITY ARTS AND CULTURAL HERITAGE. BASED ON ETHNOGRAPHIC FIELD RESEARCH IN LOCAL COMMUNITIES, THE BOOK PRESENTS FINDINGS ON CURRENT DEBATES OF CULTURAL SUSTAINABILITY IN NIGERIA, GHANA, CAMEROON AND BENIN. IT PROVIDES A UNIQUE PERSPECTIVE CONNECTING CULTURAL STUDIES, CONFLICT STUDIES AND PRACTICAL PEACEBUILDING APPROACHES THROUGH THE ARTS. THE FIRST PART PAYS PARTICULAR ATTENTION TO ASPECTS OF SOCIAL COHESION AND THE CIRCUMSTANCES OF INTERNALLY DISPLACED PERSONS E. G. CAUSED BY THE BOKO HARAM INSURGENCY IN NORTHEAST NIGERIA. THE SECOND PART FOCUSES ON CULTURAL POLICY ISSUES AND CHALLENGES IN THE CONTEXT OF SUSTAINABLE DEVELOPMENT, INVESTIGATING PARTICIPATORY APPROACHES AND BOTTOM-UP PROCESSES, THE ROLE OF GOVERNMENTS AND CIVIL SOCIETY, AS WELL AS PERFORMING ARTS ORGANIZATIONS AND UNIVERSITIES IN POLICY MAKING AND IMPLEMENTATION PROCESSES. PERFORMING SUSTAINABILITY IN WEST AFRICA PRESENTS RESEARCH RESULTS AND NEW METHODS ON THE ROLE OF ARTISTIC AND CULTURAL PRACTICES IN CONFLICT SITUATIONS AS WELL AS CURRENT DEBATES IN CULTURAL POLICY FOR RESEARCHERS, ACADEMICS, NGOs AND STUDENTS IN CULTURAL STUDIES, SUSTAINABLE DEVELOPMENT STUDIES AND AFRICAN STUDIES.

SUSTAINABLE TRANSPORTATION AND SMART LOGISTICS JAVIER FAULIN 2018-11-13 SUSTAINABLE TRANSPORTATION AND SMART LOGISTICS: DECISION-MAKING MODELS AND SOLUTIONS PROVIDES DETERMINISTIC AND PROBABILISTIC MODELS FOR TRANSPORTATION LOGISTICS PROBLEM-SOLVING AND DECISION-MAKING. THE BOOK PRESENTS AN OVERVIEW OF THE INTERSECTIONS BETWEEN SUSTAINABILITY, TRANSPORTATION, AND LOGISTICS, AND DELVES INTO THE CURRENT PROBLEMS ASSOCIATED WITH THE IMPLEMENTATION OF SUSTAINABLE TRANSPORTATION AND SMART LOGISTICS IN URBAN SETTINGS. IT ALSO OFFERS MODELS FOR ADDRESSING COMPLEX STRUCTURAL PROBLEMS AND PROCEDURES FOR ESTIMATING TRANSPORTATION EXTERNALITIES SUCH AS ENVIRONMENTAL AND SOCIAL IMPACTS, BOTH IN INDUSTRIAL AND GOVERNMENT ARENAS, AS WELL AS DECISION-MAKING MODELS FROM OPERATIONAL, TACTICAL, AND STRATEGIC MANAGEMENT PERSPECTIVES. SUSTAINABLE TRANSPORTATION AND SMART LOGISTICS ALSO COVERS BEST PRACTICES FOR PRACTICAL CORPORATE POLICY IMPLEMENTATION, MAKING IT A COMPREHENSIVE AND VITAL RESOURCE FOR RESEARCHERS, GRADUATE STUDENTS, PRACTITIONERS, AND POLICY MAKERS IN TRANSPORTATION, LOGISTICS, URBAN PLANNING, ECONOMICS, ENGINEERING, AND ENVIRONMENTAL SCIENCE. EXAMINES VARIOUS MODES OF TRANSPORTATION INCLUDES MATHEMATICAL MODELS FOR DECISION-MAKING IN A WIDE VARIETY OF SITUATIONS PRESENTS PUBLIC TRANSPORTATION AND SMART CITIES USE CASES

THE GEOGRAPHICAL SCIENCES DURING 1986—2015 SHUYING LENG 2016-07-28 IN FOUR CHAPTERS AND AN INTRODUCTION, THIS BOOK SYSTEMATICALLY HELPS READERS UNDERSTAND THE DEVELOPMENT OF THE GEOGRAPHICAL SCIENCES BOTH IN CHINA AND IN THE WORLD DURING THE PAST 30 YEARS. THROUGH DATA ANALYSIS OF METHODOLOGIES INCLUDING CITESPACE, TDA, QUALITATIVE ANALYSIS, QUESTIONNAIRES, DATA MINING AND MATHEMATICAL STATISTICS, THE BOOK EXPLAINS THE EVOLUTION OF RESEARCH TOPICS AND THEIR DRIVING FACTORS IN THE GEOGRAPHICAL SCIENCES AND ITS FOUR BRANCHES, NAMELY PHYSICAL GEOGRAPHY, HUMAN GEOGRAPHY, GEOGRAPHICAL INFORMATION SCIENCE AND ENVIRONMENTAL GEOGRAPHY. IT ALSO IDENTIFIES THE ROLE OF THE GEOGRAPHICAL SCIENCES IN THE ANALYSIS OF STRATEGIC ISSUES SUCH AS GLOBAL CHANGE AND TERRESTRIAL ECOSYSTEMS, TERRESTRIAL WATER CYCLE AND WATER RESOURCES, LAND CHANGE, GLOBAL CRYOSPHERE EVOLUTION AND LAND SURFACE PROCESSES ON THE TIBETAN PLATEAU, ECONOMIC GLOBALIZATION AND LOCAL RESPONSES, REGIONAL SUSTAINABLE DEVELOPMENT, REMOTE SENSING MODELLING AND PARAMETER INVERSION, SPATIAL ANALYSIS AND SIMULATION, AND TEMPO-SPATIAL PROCESSES AND MODELLING OF ENVIRONMENTAL POLLUTANTS. IT THEN DISCUSSES RESEARCH DEVELOPMENT AND INADEQUACY OF CHINESE GEOGRAPHICAL SCIENCES IN THE ABOVE-MENTIONED TOPICS, AS WELL AS IN THE FIELDS INCLUDING GEOMORPHOLOGY AND QUATERNARY ENVIRONMENTAL CHANGE, ECOHYDROLOGY, ECOSYSTEM SERVICES, THE URBANIZATION PROCESS AND MECHANISM, MEDICAL AND HEALTH GEOGRAPHY, INTERNATIONAL RIVERS AND TRANSBOUNDARY ENVIRONMENT AND RESOURCES, DETECTION AND ATTRIBUTION OF CHANGES IN LAND SURFACE SENSITIVE COMPONENTS, AND UNCERTAINTY OF SPATIAL INFORMATION AND SPATIAL ANALYSIS. IT SHOWS THAT THE NSFC HAS DRIVEN THE DEVELOPMENT IN ALL THESE TOPICS AND FIELDS. IN ADDITION, THE BOOK SUMMARISES TRENDS OF THE GEOGRAPHICAL SCIENCES IN CHINA AND THE RESEARCH LEVEL IN MAJOR COUNTRIES OF THE WORLD THROUGH AN OVERVIEW OF GEOGRAPHICAL EDUCATION IN COLLEGES AND UNIVERSITIES, THE ANALYSIS OF PUBLICATIONS, CITATIONS AND AUTHOR NETWORKS OF SCI/SSCI AND CSCD INDEXED ARTICLES, AND THE DESCRIPTION OF SINO-USA, SINO-UK AND SINO-GERMAN COOPERATION. THIS BOOK SERVES AS AN IMPORTANT REFERENCE TO ANYONE INTERESTED IN GEOGRAPHICAL SCIENCES AND RELATED FIELDS.

HANDBOOK ON SUSTAINABILITY TRANSITION AND SUSTAINABLE PEACE HANS GERTER BRAUCH 2016-08-10 IN THIS BOOK 60 AUTHORS FROM MANY DISCIPLINES AND FROM 18 COUNTRIES ON FIVE CONTINENTS EXAMINE IN TEN PARTS: MOVING TOWARDS SUSTAINABILITY TRANSITION; AIMING AT SUSTAINABLE PEACE; MEETING CHALLENGES OF THE 21ST CENTURY: DEMOGRAPHIC IMBALANCES, TEMPERATURE RISE AND THE CLIMATE-CONFLICT NEXUS; INITIATING RESEARCH ON GLOBAL ENVIRONMENTAL CHANGE, LIMITS TO GROWTH, DECOUPLING OF GROWTH AND RESOURCE NEEDS; DEVELOPING THEORETICAL APPROACHES ON SUSTAINABILITY AND TRANSITIONS; ANALYSING NATIONAL DEBATES ON SUSTAINABILITY IN NORTH AMERICA; PREPARING TRANSITIONS TOWARDS A SUSTAINABLE ECONOMY AND SOCIETY, PRODUCTION AND CONSUMPTION AND URBANIZATION; EXAMINING SUSTAINABILITY TRANSITIONS IN THE WATER, FOOD AND HEALTH SECTORS FROM LATIN AMERICAN AND EUROPEAN PERSPECTIVES; PREPARING SUSTAINABILITY TRANSITIONS IN THE ENERGY SECTOR; AND RELYING ON TRANSNATIONAL, INTERNATIONAL, REGIONAL AND NATIONAL GOVERNANCE FOR STRATEGIES AND POLICIES TOWARDS SUSTAINABILITY TRANSITION. THIS BOOK IS BASED ON WORKSHOPS HELD IN MEXICO (2012) AND IN THE US (2013), ON A WINTER SCHOOL AT CHULALONGKORN UNIVERSITY, THAILAND (2013), AND ON COMMISSIONED CHAPTERS. THE WORKSHOP IN MEXICO AND THE PUBLICATION WERE SUPPORTED BY TWO GRANTS BY THE GERMAN FOUNDATION FOR PEACE RESEARCH (DSF). ALL TEXTS IN THIS BOOK WERE PEER-REVIEWED BY SCHOLARS FROM ALL PARTS OF THE WORLD.

SUSTAINABILITY AND THE HUMANITIES WALTER LEAL FILHO 2018-08-22 THIS BOOK EXPLORES THE STRONG LINKS BETWEEN SUSTAINABILITY AND THE HUMANITIES, WHICH GO BEYOND THE INCLUSION OF SOCIAL SCIENCES IN DISCUSSIONS ON SUSTAINABILITY, AND OFFERS A HOLISTIC DISCUSSION ON THE INTELLECTUAL AND MORAL ASPECTS OF SUSTAINABLE DEVELOPMENT. THE CONTRIBUTIONS FROM RESEARCHERS IN THE FIELDS OF EDUCATION, SOCIAL SCIENCES, RELIGION, HUMANITIES, AND SUSTAINABLE

DEVELOPMENT FULFILL THREE MAIN AIMS: THEY PROVIDE UNIVERSITY LECTURERS INTERESTED IN HUMANITIES AND SUSTAINABLE DEVELOPMENT WITH AN OPPORTUNITY TO PRESENT THEIR WORK; FOSTER THE EXCHANGE OF INFORMATION, IDEAS AND EXPERIENCES ACQUIRED IN THE EXECUTION OF TEACHING AND RESEARCH; AND DISCUSS METHODOLOGICAL APPROACHES AND PROJECTS THAT PROVIDE A BETTER UNDERSTANDING OF HOW THE HUMANITIES CAN CONTRIBUTE TO THE DEBATE ON SUSTAINABLE DEVELOPMENT. PREPARED BY THE INTER-UNIVERSITY SUSTAINABLE DEVELOPMENT RESEARCH PROGRAMME AND THE WORLD SUSTAINABLE DEVELOPMENT RESEARCH AND TRANSFER CENTRE, THE BOOK REITERATES THE NEED TO PROMOTE INTEGRATED APPROACHES TO SUSTAINABLE DEVELOPMENT. INCLUDING PRACTICE-BASED LESSONS LEARNT THAT CAN BE REPLICATED FURTHER, IT IS A VALUABLE RESOURCE FOR SCIENTISTS AND PRACTITIONERS WORKING IN THE HUMANITIES AND SUSTAINABLE DEVELOPMENT.

CITIES AND SUSTAINABLE TECHNOLOGY TRANSITIONS MARINA VAN GEENHUIZEN 2018-06-29 THIS ENLIGHTENING BOOK ELUCIDATES THE LEADERSHIP CHALLENGES OF VARIOUS CITIES IN EMERGING TRANSITIONS TOWARDS HIGHER LEVELS OF SUSTAINABILITY. IT EXAMINES ELEMENTS OF THREE SOCIO-TECHNICAL SYSTEMS, ENERGY, TRANSPORT AND HEALTHCARE, WHILE ADDRESSING TECHNOLOGY INVENTION, COMMERCIALIZATION, MASS-PRODUCTION AND ADOPTION. THE BOOK BREAKS NEW GROUND IN THE ANALYSIS OF TOPICAL ISSUES SUCH AS LOCAL 'CRADLE' CONDITIONS, INCENTIVE SCHEMES, NICHE-DEVELOPMENT, LIVING LABS, IMPACT BONDS, GRASS-ROOTS INTERMEDIATION AND ADAPTIVE POLICY MAKING. IT OFFERS A BROAD COVERAGE OF GLOBAL SYSTEMS OF CITIES, WITH A PARTICULAR FOCUS ON SCANDINAVIA, GERMANY, THE NETHERLANDS, CHINA, KOREA, JAPAN, THE US AND CANADA.

SUPPLY CHAIN MANAGEMENT FOR SUSTAINABLE FOOD NETWORKS ELEFTHERIOS IAKOVOU 2016-03-22 AN INTERDISCIPLINARY FRAMEWORK FOR MANAGING SUSTAINABLE AGRIFOOD SUPPLY CHAINS SUPPLY CHAIN MANAGEMENT FOR SUSTAINABLE FOOD NETWORKS PROVIDES AN UP-TO-DATE AND INTERDISCIPLINARY FRAMEWORK FOR DESIGNING AND OPERATING SUSTAINABLE SUPPLY CHAINS FOR AGRI-FOOD PRODUCTS. FOCUS IS GIVEN TO DECISION-MAKING PROCEDURES AND METHODOLOGIES ENABLING POLICY-MAKERS, MANAGERS AND PRACTITIONERS TO DESIGN AND MANAGE EFFECTIVELY SUSTAINABLE AGRIFOOD SUPPLY CHAIN NETWORKS. AUTHORED BY HIGH PROFILE RESEARCHERS WITH GLOBAL EXPERTISE IN DESIGNING AND OPERATING SUSTAINABLE SUPPLY CHAINS IN THE AGRI-FOOD INDUSTRY, THIS BOOK: FEATURES THE ENTIRE HIERARCHICAL DECISION-MAKING PROCESS FOR MANAGING SUSTAINABLE AGRIFOOD SUPPLY CHAINS. COVERS KNOWLEDGE-BASED FARMING, MANAGEMENT OF AGRICULTURAL WASTES, SUSTAINABILITY, GREEN SUPPLY CHAIN NETWORK DESIGN, SAFETY, SECURITY AND TRACEABILITY, IT IN AGRIFOOD SUPPLY CHAINS, CARBON FOOTPRINT MANAGEMENT, QUALITY MANAGEMENT, RISK MANAGEMENT AND POLICY- MAKING. EXPLORES GREEN SUPPLY CHAIN MANAGEMENT, SUSTAINABLE KNOWLEDGE-BASED FARMING, CORPORATE SOCIAL RESPONSIBILITY, ENVIRONMENTAL MANAGEMENT AND EMERGING TRENDS IN AGRI-FOOD RETAIL SUPPLY CHAIN OPERATIONS. EXAMINES SUSTAINABLE PRACTICES THAT ARE UNIQUE FOR AGRICULTURE AS WELL AS PRACTICES THAT ALREADY HAVE BEEN IMPLEMENTED IN OTHER INDUSTRIAL SECTORS SUCH AS GREEN LOGISTICS AND CORPORATE SOCIAL RESPONSIBILITY (CSR). SUPPLY CHAIN MANAGEMENT FOR SUSTAINABLE FOOD NETWORKS PROVIDES A USEFUL RESOURCE FOR RESEARCHERS, PRACTITIONERS, POLICY-MAKERS, REGULATORS AND C-LEVEL EXECUTIVES THAT DEAL WITH STRATEGIC DECISION-MAKING. POST-GRADUATE STUDENTS IN THE FIELD OF AGRICULTURE SCIENCES, ENGINEERING, OPERATIONS MANAGEMENT, LOGISTICS AND SUPPLY CHAIN MANAGEMENT WILL ALSO BENEFIT FROM THIS BOOK.

SUSTAINABILITY ASSESSMENT ALAN JAMES BOND 2012 SUSTAINABILITY ASSESSMENT IS AN INCREASINGLY IMPORTANT TOOL FOR INFORMING PLANNING AND DEVELOPMENT DECISIONS ACROSS THE GLOBE. REQUIRED BY LAW IN SOME COUNTRIES, STRONGLY RECOMMENDED IN OTHERS, A COMPREHENSIVE ANALYSIS OF WHY SUSTAINABILITY ASSESSMENT IS NEEDED AND CLARIFICATION OF THE VALUE-LADEN AND POLITICAL NATURE OF ASSESSMENTS IS LONG OVERDUE. CURRENTLY THE WRITING ON THE SUBJECT IS LIMITED AND COMPRISES, FOR THE MOST PART, GUIDANCE DOCUMENTS AND COMPLETED ASSESSMENTS. THIS BOOK OVERCOMES THESE SHORTCOMINGS BY SIMULTANEOUSLY PROVIDING THE KNOWLEDGE, INSPIRATION AND RANGE OF ASSESSMENT TOOLS IN DECISION-MAKING STUDENTS REQUIRE TO TACKLE SUSTAINABILITY ASSESSMENT CHALLENGES NESTED WITHIN WIDE-RANGING VALUES AND SUSTAINABILITY-GROUNDED EVIDENCE. THE COLLECTION DETAILS THE CURRENT STATE-OF-THE ART IN RELATION TO SUSTAINABILITY ASSESSMENT THEORY AND PRACTICE, AND CONSIDERS THE PLURALISTIC NATURE OF THE TOOL AND THE IMPLICATIONS FOR ACHIEVING SUSTAINABLE DECISION-MAKING. THE CONTRIBUTORS SET OUT THE CONTEXT FOR SUSTAINABILITY ASSESSMENT AND THEN OUTLINE SOME CONTESTED ISSUES WHICH CAN AFFECT INTERPRETATIONS OF WHETHER THE DECISION TOOL HAS BEEN EFFECTIVE. CURRENT PRACTICE WORLDWIDE IS ASSESSED AGAINST A CONSISTENT FRAMEWORK AND THEN SOLUTIONS TO SOME OF THE INHERENT WEAKNESSES AND CAUSES OF CONFLICT IN RELATION TO THE PERCEIVED SUSTAINABILITY OF OUTCOMES ARE PUT FORWARD. THE BOOK IS UNIQUE IN SETTING OUT STATE-OF-THE-ART IN TERMS OF SUSTAINABILITY ASSESSMENT PRACTICE BY FOCUSING ON THOSE COUNTRIES WITH DEVELOPING EXPERIENCE. IT ALSO COVERS EMERGING FACTORS INFLUENCING EFFECTIVENESS OF DECISION-MAKING TOOLS AND EVALUATES HOW THEY AFFECT THE PERFORMANCE OF SUSTAINABILITY ASSESSMENT. WRITTEN BY AUTHORS AMONG THE LEADING UNIVERSITY ACADEMICS TEACHING IMPACT ASSESSMENT COURSES IN THE MOST ACCLAIMED UNIVERSITIES WORLDWIDE OPERATING IN THIS FIELD, IT IS IDEALLY SUITED FOR THE GROWING NUMBERS OF COURSES IN IMPACT ASSESSMENT EDUCATION AND TRAINING.

