Record Nr. UNINA9910367237103321 The Palgrave Handbook of Managing Fossil Fuels and Energy **Titolo** Transitions / / edited by Geoffrey Wood, Keith Baker Pubbl/distr/stampa Cham:,: Springer International Publishing:,: Imprint: Palgrave Macmillan, , 2020 **ISBN** 3-030-28076-4 Edizione [1st ed. 2020.] Descrizione fisica 1 online resource (LI, 647 p. 43 illus., 39 illus. in color.) Disciplina 621.042 333.79 Soggetti Renewable energy resources **Energy policy** Energy and state Environmental policy Environmental geography Renewable and Green Energy Energy Policy, Economics and Management **Environmental Policy Environmental Geography** Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Part I: INTRODUCTION -- 1 Fossil Fuels in a Carbon-Constrained World: Nota di contenuto Geoffrey Wood -- 2 Carbon Capture and Renewables: Strategic Conflicts or Tactical; David Elliott -- 3 The Long Goodbye to the Nuclear Monument; Paul Dorfman -- 4 The Impact of Intermittent Renewables on Conventional Thermal Generation: The Role of Capacity Remuneration Mechanisms in European Electricity Markets; Taner ahin -- PART II: MANAGING THE DECLINE OF FOSSIL FUELS -- 5 China's Efforts to Constrain its Fossil Fuel Consumption: Philip Andrews-Speed -- 6 Managing the Decline of Fossil Fuels in a Fossil Fuel Intensive Economy: the Case of the Netherlands; Sem Oxenaar and Rick Bosman

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Sommario/riassunto

This Handbook is the first volume to comprehensively analyse and problem-solve how to manage the decline of fossil fuels as the world tackles climate change and shifts towards a low-carbon energy transition. The overall findings are straight-forward and unsurprising: although fossil fuels have powered the industrialisation of many nations and improved the lives of hundreds of millions of people. another century dominated by fossil fuels would be disastrous. Fossil fuels and associated greenhouse gas emissions must be reduced to a level that avoids rising temperatures and rising risks in support of a just and sustainable energy transition. Divided into four sections and 25 contributions from global leading experts, the chapters span a wide range of energy technologies and sources including fossil fuels, carbon mitigation options, renewables, low carbon energy, energy storage, electric vehicles and energy sectors (electricity, heat and transport). They cover varied legal jurisdictions and multiple governance approaches encompassing multi- and inter-disciplinary technological. environmental, social, economic, political, legal and policy perspectives with timely case studies from Africa, Asia, Australia, Europe, North America, South America and the Pacific. Providing an insightful contribution to the literature and a much-needed synthesis of the field as a whole, this book will have great appeal to decision makers. practitioners, students and scholars in the field of energy transition studies seeking a comprehensive understanding of the opportunities and challenges in managing the decline of fossil fuels. Geoffrey Wood is a teaching fellow in International Energy Law and Policy at Stirling University Law School, UK. Actively involved in research specialising in energy, multi-level governance and energy transitions, he has published over 40 articles, books, chapters and other publications. Geoff has previously held research, lecturing and consultancy positions at Dundee University, the Scottish Government and the Offshore Renewables Institute. Keith Baker is a researcher in Fuel Poverty and Energy Policy at the Built Environment Asset Management Centre,

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