1. Record Nr. UNINA9910788303903321 Autore Gorman Hugh S (Hugh Scott), <1957-> Titolo The story of N [[electronic resource]]: a social history of the nitrogen cycle and the challenge of sustainability / / Hugh S. Gorman New Brunswick, N.J., : Rutgers University Press, c2013 Pubbl/distr/stampa **ISBN** 0-8135-5439-X Descrizione fisica 1 online resource (260 p.) Collana Studies in Modern Science, Technology, and the Environment Disciplina 547/.64 Soggetti Nitrogen - Environmental aspects Nitrogen cycle Sustainable development Nature - Effect of human beings on Lingua di pubblicazione Inglese Materiale a stampa **Formato** Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di bibliografia Includes bibliographical references (p. 209-233) and index. Nota di contenuto Front matter -- CONTENTS -- PREFACE -- ACKNOWLEDGMENTS --Introduction -- PART I. The Knowledge of Nature -- PART II. Learning to Bypass an Ecological Limit -- PART III. Learning to Establish Human-Defined Limits -- NOTES -- BIBLIOGRAPHY -- INDEX -- ABOUT THE **AUTHOR** Sommario/riassunto In The Story of N, Hugh S. Gorman analyzes the notion of sustainability from a fresh perspective-the integration of human activities with the biogeochemical cycling of nitrogen-and provides a supportive alternative to studying sustainability through the lens of climate change and the cycling of carbon. It is the first book to examine the social processes by which industrial societies learned to bypass a fundamental ecological limit and, later, began addressing the resulting concerns by establishing limits of their own. The book is organized into three parts. Part I, "The Knowledge of Nature," explores the emergence of the nitrogen cycle before humans arrived on the scene and the changes that occurred as stationary agricultural societies took root. Part II, "Learning to Bypass an Ecological Limit," examines the role

of science and market capitalism in accelerating the pace of innovation, eventually allowing humans to bypass the activity of nitrogen-fixing bacteria. Part III, "Learning to Establish Human-Defined Limits," covers

the twentieth-century response to the nitrogen-related concerns that emerged as more nitrogenous compounds flowed into the environment. A concluding chapter, "The Challenge of Sustainability," places the entire story in the context of constructing an ecological economy in which innovations that contribute to sustainable practices are rewarded.