Cambridge Elements $^{\Xi}$

Elements in Quantitative Finance edited by Riccardo Rebonato EDHEC Business School

THE BEHAVIORAL ECONOMICS AND POLITICS OF GLOBAL WARMING

Unsettling Behaviors

Hersh Shefrin Santa Clara University





Shaftesbury Road, Cambridge CB2 8EA, United Kingdom

One Liberty Plaza, 20th Floor, New York, NY 10006, USA

477 Williamstown Road, Port Melbourne, VIC 3207, Australia

314–321, 3rd Floor, Plot 3, Splendor Forum, Jasola District Centre, New Delhi – 110025, India

103 Penang Road, #05–06/07, Visioncrest Commercial, Singapore 238467

Cambridge University Press is part of Cambridge University Press & Assessment, a department of the University of Cambridge.

We share the University's mission to contribute to society through the pursuit of education, learning and research at the highest international levels of excellence.

www.cambridge.org Information on this title: www.cambridge.org/9781009454902

DOI: 10.1017/9781009454919

© Hersh Shefrin 2023

This work is in copyright. It is subject to statutory exceptions and to the provisions of relevant licensing agreements; with the exception of the Creative Commons version the link for which is provided below, no reproduction of any part of this work may take place without the written permission of Cambridge University Press.

An online version of this work is published at doi.org/10.1017/9781009454919 under a Creative Commons Open Access license CC-BY-NC 4.0 which permits re-use, distribution and reproduction in any medium for non-commercial purposes providing appropriate credit to the original work is given and any changes made are indicated.

To view a copy of this license visit https://creativecommons.org/licenses/by-nc/4.0.

All versions of this work may contain content reproduced under license from third parties.

Permission to reproduce this third-party content must be obtained from these third parties directly.

When citing this work, please include a reference to the DOI 10.1017/9781009454919

First published 2023

A catalogue record for this publication is available from the British Library

ISBN 978-1-009-45490-2 Hardback ISBN 978-1-009-45489-6 Paperback ISSN 2631-8571 (online) ISSN 2631-8563 (print)

Additional resources for this publication at www.cambridge.org/shefrin_resources

Cambridge University Press & Assessment has no responsibility for the persistence or accuracy of URLs for external or third-party internet websites referred to in this publication and does not guarantee that any content on such websites is, or will remain, accurate or appropriate.

The Behavioral Economics and Politics of Global Warming

Unsettling Behaviors

Elements in Quantitative Finance

DOI: 10.1017/9781009454919 First published online: October 2023

> Hersh Shefrin Santa Clara University

Author for correspondence: Hersh Shefrin, hshefrin@scu.edu

Abstract: The main goal of this Element is to provide a psychological explanation for why actual global climate policy is so greatly at odds with the prescriptions of most neoclassical economists. To be sure, the behavioral approach does focus on why neoclassical models are often psychologically unrealistic. However, in this Element the author argues that the unrealistic elements are minor compared to the psychological pitfalls driving politically determined climate policy. Why this is the case is what the author describes as the "big behavioral question." More precisely, the big behavioral question asks about unsettling behaviors, why there is a huge gap between actual policy and even the weakest of the prescriptions in the range of plausible recommendations coming from neoclassical economists' integrated assessment models. This title is also available as Open Access on Cambridge Core.

Keywords: warming, irrational, behavioral, fear, hope

© Hersh Shefrin 2023

ISBNs: 9781009454902 (HB), 9781009454896 (PB), 9781009454919 (OC) ISSNs: 2631-8571 (online), 2631-8563 (print)

Contents

1	Introduction	1
2	Fear Based on Scientific Models of Global Warming	8
3	The Nordhaus Integrated Assessment Model	24
4	Behavioral Analysis of the Nordhaus–Stern Debate	47
5	Psychology, Politics, and Climate Policy: Unsettling Behaviors	73
6	Hope for Reversing Global Warming	95
	An online appendix for this publication can be accessed at www.cambridge.org/shefrin_resources	