

JUST SUSTAINABILITY
*Technology, Ecology, and
Resource Extraction*

Edited by

CHRISTIANA Z. PEPPARD

AND

ANDREA VICINI, SJ

**ORBIS BOOKS**
www.orbisbooks.com

 **Fathers and Brothers**
MARYKNOLL™

Founded in 1970, Orbis Books endeavors to publish works that enlighten the mind, nourish the spirit, and challenge the conscience. The publishing arm of the Maryknoll Fathers and Brothers, Orbis seeks to explore the global dimensions of the Christian faith and mission, to invite dialogue with diverse cultures and religious traditions, and to serve the cause of reconciliation and peace. The books published reflect the views of their authors and do not represent the official position of the Maryknoll Society. To learn more about Maryknoll and Orbis Books, please visit our website at www.maryknollsociety.org.

Copyright © 2015 by James F. Keenan

Published by Orbis Books, Maryknoll, New York 10545-0302.
Manufactured in the United States of America.

All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying, recording or any information storage or retrieval system, without prior permission in writing from the publisher.

Queries regarding rights and permissions should be addressed to: Orbis Books, P.O. Box 302, Maryknoll, New York 10545-0302.

Library of Congress Cataloging-in-Publication Data

Just sustainability : technology, ecology, and resource extraction / edited by
Christiana Z. Peppard and Andrea Vicini, S.J.

pages cm. — (Catholic theological ethics in the world church; 3)

Includes bibliographical references and index.

ISBN 978-1-62698-132-4 (pbk. : alk. paper)

1. Human ecology—Religious aspects—Catholic Church. 2. Sustainable
development—Religious aspects—Catholic Church. I. Peppard, Christiana Z.

BX1795.H82J87 2015

241'.691—dc23

2014035465

CONTENTS

Acknowledgments	xi
Introduction: On Just Sustainability and Its Challenges <i>Christiana Z. Peppard and Andrea Vicini, SJ</i>	1
Part I: Locations	
Sustainability in the Baltic States: Insights from Ecofeminism <i>Dzintra Ilisko</i>	11
Sustainability and Responsible Energy Supply from the Perspective of the Churches in Germany <i>Markus Vogt</i>	16
The Case of Micronesia <i>Francis X. Hezel, SJ</i>	20
Nature, Human Beings, and Nuclear Power in Japan <i>Osamu Takeuchi, SJ</i>	23
Participation Is the Path to Sustainable Development: Developmental Projects and Involuntary Displacement in India <i>John Karuwelil, SJ</i>	27
Ecology, Moral Theology, and Spirituality: A Perspective from the Democratic Republic of Congo <i>Viviane Minikongo Mundele</i>	31
Theological Perspectives on Governance in the Mining Sector in the Democratic Republic of Congo <i>Muhigirwa Rusembuka Ferdinand, SJ</i>	35
The Problem of Economic Sustainability in Nigeria: A Call for a New Paradigm <i>Benedict Chidi Nwachukwu-Udaku</i>	39
The Cry of Nature in the World of the Poor: The Case of Brazil <i>João Batista Libanio, SJ</i>	43

Social Sustainability in Mexico 46
Miguel Ángel Sánchez Carlos

Can Agriculture Be Sustainable in the United States? 51
Kenneth M. Weare

Part II: Structures

The Political Economy of Sustainability 57
John Sniegocki

New Measures for Justice, Ecological Wisdom, and Integral Development 69
Dennis T. Gonzalez

Toward Sustainability in Urban Planning: The Case of Kenya 81
Constansia Mumma-Martinon

Of Empty Granaries, Stolen Harvests, and the Weapon of Grain:
Applied Ethics in Search of Sustainable Food Security 94
Teresia Hinga

The Unsavory Gamble of Industrial Agriculture 105
Mark Graham

Sustainable Mining in South Africa: A Concept in Search of a Theory 117
Peter Knox, SJ

Health Systems Challenges, National HIV/AIDS Response,
and Public Health Policy in Chad: Ethical and Efficiency
Requirements for Sustainable Health Systems 131
Jacquineau Azétsop, SJ

Technology, Ecology, and the Divine: A Critical Look at
New Technologies through a Theology of Gratuitousness 145
Celia Deane-Drummond

Part III: Theological Stances and Sustainable Relations

Humans and Other Creatures: Creation, Original Grace, and Original Sin 159
Denis Edwards

The Ecclesial Contribution to Sustainable Communities 171
Randy J. C. Odchigue

CONTENTS	ix
Feminism and Ecology <i>Ann Marie Mealey</i>	182
A Catholic Virtues Ecology <i>Nancy M. Rourke</i>	194
Unleashing Catholicism's Stranded Assets in the Fight for Just Sustainability <i>Christine Firer Hinze</i>	205
The Exploitation of Natural Resources: Reconfiguring Economic Relations toward a Community-of-Interests Perspective <i>Edward Osang Obi, MSP</i>	223
By Night in a Pillar of Fire: A Theological Analysis of Renewable Energy <i>Erin Lothes Biviano</i>	234
Fostering Just Sustainability through Ignatian Spirituality <i>Daniel R. DiLeo</i>	250
Education for Just Sustainability in Malawi <i>Peter J. Henriot, SJ</i>	259
Contributors	269
Index	275