



Recht und Verfassung in Afrika
Law and Constitution in Africa

| 30

Oliver C. Ruppel/Holger Dix (eds.)

Roadmap for sustainable biofuels in southern Africa

Regulatory frameworks for improved development?

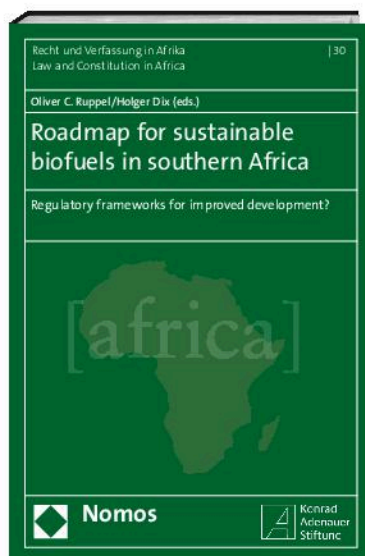


Nomos



Konrad
Adenauer
Stiftung

Roadmap for Sustainable Biofuels in Southern Africa



Roadmap for sustainable biofuels in southern Africa

Regulatory frameworks for improved development?

Edited by Prof. Dr. Oliver C. Ruppel
and Dr. Holger Dix

2017, 268 pp., pb., € 69.00

ISBN 978-3-8487-3306-4

eISBN 978-3-8452-7758-5

(*Recht und Verfassung in Afrika –
Law and Constitution in Africa*, vol. 30)
nomos-shop.de/28069

Against the backdrop of the need for an increase in energy efficiency and a decrease in energy and resource utilisation, and for an economy that utilises fewer fossil raw materials and that relies more on renewable, environmentally friendly and natural resources, this publication gathers articles in the field of national and international policies and regulations concerning biofuels with a focus on southern Africa. Highlevel interdisciplinary research and topics of research include among others the science base for bioenergy and the presentation of examples of best practice. The finite nature of fossil raw materials and the necessity of climate protection call for a worldwide reform of energy and

resource policies to promote the utilisation of renewable, natural resources. In this light, this publication makes a significant contribution with the intention to foster the dialogue on biofuels in southern Africa and beyond.

With contributions by:

Ryan Blanchard, Tjaša Bole-Rentel, Alan C Brent, Eddie G Cross, Johann F Görgens, Manisha Gulati, Chengetai E Hamadziripi, Johann H Krige, Sabrina Kumschick, Renata A Marcheti, Vincent Musewe, Antonio D Padula, Lena C Plato, David M Richardson, Oliver C Ruppel, Louise Scholtz, und Willem H van Zyl

Table of contents

PART I: BIOFUELS – THE SCIENCE BASE

The science base for bioenergy <i>Willem H van Zyl, Johann F Görgens & Alan C Brent</i>	13
Biofuel plants as potential invasive species: Environmental concerns and progress towards objective risk assessment <i>Ryan Blanchard, Sabrina Kumschick & David M Richardson</i>	47

PART II: BIOFUELS – SCIENCE FOR SOCIETY, POLICY FOR DEVELOPMENT

The nexus between energy security, biofuels and climate change: Insights from the Fifth Assessment Report of the Intergovernmental Panel on Climate Change <i>Oliver C Ruppel</i>	63
Socio-enviro-economic impacts of biofuels: Weighing the risks and benefits for southern Africa <i>Manisha Gulati & Louise Scholtz</i>	85

PART III: BIOFUELS REGULATION - A COMPARATIVE LAW PERSPECTIVE

Industrial dynamics and internationalisation of Brazilian ethanol supply chains – a brief historical review on regulation and its impact <i>Renata A Marchetti & Antonio D Padula</i>	113
The current status of biofuels to promote energy security – legal challenges and potential for sustainable development in South Africa <i>Lena C Plato</i>	149
Regulation of biofuels in South Africa: Most recent developments <i>Johann H Krige</i>	165

A critical analysis of the regulatory framework of the South African biofuels industry and its compatibility with WTO law	191
<i>Chengetai E Hamadziripi</i>	

PART IV: BIOFUELS POLICY IN ZIMBABWE

Biofuels policy in Zimbabwe – an overview	225
<i>Eddie G Cross</i>	
Developing the biofuels sector in Zimbabwe	231
<i>Tjaša Bole-Rentel</i>	
The impact of the politicisation of the biofuels sector in Zimbabwe	259
<i>Vincent Musewe</i>	