

## SOILS IN THE NEXUS

A Crucial Resource for Water, Energy and Food Security



Jes Weigelt, Alexander Müller, Charlotte Beckh, KlausTöpfer (Hrsg.)

### Soils in the Nexus

A Crucial Resource for Water, Energy and Food Security

ISBN 978-3-86581-431-9

164 Seiten, 16,5 x 23,5 cm, 34,95 Euro

oekom verlag, München 2014

©oekom verlag 2014

[www.oekom.de](http://www.oekom.de)

# Contents

<b>Preface</b> .....	<b>7</b>
<i>Braulio Ferreira de Souza Dias and David Coates</i>	
<b>Soil Biodiversity, Functions, Ecosystem Services and the International Sustainable Development Agenda</b> .....	<b>11</b>
<i>Rattan Lal</i>	
<b>World Soils and the Carbon Cycle in Relation to Climate Change and Food Security</b> .....	<b>31</b>
<i>Lindsay C. Stringer</i>	
<b>Global Land and Soil Degradation: Challenges to Soil</b> .....	<b>67</b>
<i>Johan Bouma and Luca Montanarella</i>	
<b>The Soil and Water Nexus for Sustainable Livelihoods: A Need for Effective 'Framing'</b> .....	<b>85</b>
<i>Joachim von Braun, Nicolas Gerber, Alisher Mirzabaev, Ephraim Nkonya</i>	
<b>The Economics of Land Degradation</b> .....	<b>103</b>
<i>Luca Marmo</i>	
<b>Resource Efficiency to Diminish Land and Soil Degradation</b> .....	<b>127</b>
<i>Jes Weigelt, Alexander Müller, Charlotte Beckh, Srinivasa Reddy Srigiri, Klaus Töpfer</i>	
<b>Pathways towards Sustainable Soil and Land Governance: Discussing the Contribution of the Global Soil Week</b> .....	<b>139</b>