Springer Nature, societal challenges and the UN Sustainable Development Goals

Philip Campbell
Editor-in-Chief, Springer Nature
30 June 2020
Publishing and supporting all SDG themes
These societal challenges and the SDGs are increasingly a focus of funders and universities world-wide.
We want to support research community growth areas, and also want to help the world address its challenges.
This applies to ‘fundamental’ research and to research that is specifically directed at developments beyond academia, in policies, strategies and practices.
Examples of SDG targets and official indicators and our relevant content
SDG 3: healthy lives and well-being for all at all ages

3.4
By 2030, reduce by one third premature mortality from non-communicable diseases through prevention and treatment and promote mental health and well-being

3.4.1
Mortality rate attributed to cardiovascular disease, cancer, diabetes or chronic respiratory disease

3.4.2
Suicide mortality rate
SDG 16 target and indicator: peace and justice

16.7
Ensure responsive, inclusive, participatory and representative decision-making at all levels

16.7.1 Proportions of positions (by sex, age, persons with disabilities and population groups) in public institutions (national and local legislatures, public service, and judiciary) compared to national distributions

16.7.2 Proportion of population who believe decision-making is inclusive and responsive, by sex, age, disability and population group
SDG 2: zero hunger

From UN website: COVID-19 response
The World Food Programme’s food assistance programme provides a critical lifeline to 87 million vulnerable people across the world. Their analysis of the economic and food security implications of the pandemic outlines the potential impact of COVID-19 on the world’s poorest people.

In order to address these risks, the Food and Agriculture Organization urges countries to:
* Meet the immediate food needs of their vulnerable populations,
* Boost social protection programmes,
* Keep global food trade going,
* Keep the domestic supply chain gears moving, and
* Support smallholder farmers’ ability to increase food production.
Springer Nature's Sustainable Development Goals (SDG) Programme aims to connect the researchers who are tackling the world's toughest challenges with the practitioners in policy and business who desperately need those insights to achieve their goals in improving the world, by making our publishing activities more visible to our key communities through a variety of channels.

"The themes of the UN Sustainable Development Goals are inspirational to us at Springer Nature. Across our publishing and services and across the disciplines, we are focusing on helping researchers make the world a better place for future generations." - Sir Philip Campbell, Editor-in-Chief of Springer Nature
Key goal for Springer Nature content

Ensure that our publications are committed to supporting those who are working on solutions relevant to SDG themes, by engagement between SN publishers and editors and the editors and authors of our journals, books series and magazines.
Nature journals are committed to SDG-related solutions

<table>
<thead>
<tr>
<th>Title</th>
<th>Launch date</th>
<th>Relevant SDGs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nature Climate Change</td>
<td>2011</td>
<td>![SDGs icons]</td>
</tr>
<tr>
<td>Nature Energy</td>
<td>2016</td>
<td>![SDGs icons]</td>
</tr>
<tr>
<td>Nature Ecology &amp; Evolution</td>
<td>2017</td>
<td>![SDGs icons]</td>
</tr>
<tr>
<td>Nature Human Behaviour</td>
<td>2017</td>
<td>![SDGs icons]</td>
</tr>
<tr>
<td>Nature Sustainability</td>
<td>2018</td>
<td>![SDGs icons]</td>
</tr>
<tr>
<td>Nature Food</td>
<td>2020</td>
<td>![SDGs icons]</td>
</tr>
<tr>
<td>Nature Ageing</td>
<td>2021</td>
<td>![SDGs icons]</td>
</tr>
</tbody>
</table>
Aims and Scope

Ensuring today’s research meets tomorrow’s global challenges in agriculture and the environment

Articles Published

Recent

Most accessed
Major Reference Works in Sustainability

Encyclopedia of the UN Sustainable Development Goals

Editor in Chief:
Walter Leal Filho

Encyclopedia of Sustainability Science and Technology Series

Editor in Chief:
R. Meyers

Sustainable Development

Series Editors:
Parkash Chander
Euston Quah
Springer SDGs series

World leaders adopted Sustainable Development Goals (SDGs) as part of the 2030 Agenda for Sustainable Development. Providing in-depth knowledge, this series fosters comprehensive research on the global targets to end poverty, fight inequality and injustice and tackle climate change.

Volumes in the Series are organized by the relevant goal, and guided by an expert international panel of advisors. Contributions are welcome from scientists, policy makers and researchers.

Series Editors: R.B. Singh, S. Mal, M.E. Meadows
Mainstreaming Climate Co-Benefits in Indian Cities

Post-Habitat III Innovations and Reforms

Editors: Sethi, Mahendra, Puppim de Oliveira, Jose A. (Eds.)

Unravels the potential of climate co-benefits for India towards the achievement of sustainable development goals

This volume presents a novel framework to understand urban climate co-benefits in India, that is, tackling climate change and achieving sustainable development goals in cities. It utilizes methods and tools from several assessment frameworks to scientifically evaluate sector co-benefits for informed decision making. The co-benefits approach can lead to significant improvements in the way
Our efforts are directed at two approaches to our content development:

* strengthen our societal significance and impact across all the themes of the SDGs, across all disciplines and all formats.

* engage with major research efforts that are relevant to policy and practices, often in support of governments, the UN, and public-private collaborations.

Example: researchers’ input to the UN Oceans Summit in 2021

Example: researchers’ input into changing agriculture to combat hunger
Planned before Covid-19 struck, now happening in 2021
About the Panel

The High Level Panel for a Sustainable Ocean Economy is a unique group of world leaders from around the globe committed to developing, catalyzing and supporting solutions for Ocean health and wealth in policy, governance, technology and finance.
Published Blue Papers

- The Future of Food from the Sea
- The Expected Impacts of Climate Change on the Ocean Economy
- Technology, Data and New Models for Sustainably Managing Ocean Resources
- Illegal, Unreported and Unregulated Fishing and Associated Drivers
- Towards Ocean Equity
- The Ocean Genome: Conservation and the Fair, Equitable and Sustainable Use of Marine Genetic Resources
We (Nature journals and Springer books) are rolling out publications relating to the 16 Blue Papers:

Eg:
- Impacts of climate change on economies: wild-capture fishing, aquaculture, tourism
- Alternative production of protein in the ocean
- Ocean energy and mineral resources
- National accounting of ocean natural assets
- How to distribute the benefits of the oceans equitably
- Illegal and unregulated fishing and crimes associated with fisheries
CERES 2030 – rolling out this year across Nature journals

The CERES 2030 collection of Evidence Syntheses on Agricultural Interventions towards Sustainably Ending Hunger:

Originally scheduled for June 2020, with German government announcement and high-level intergovernmental conference

These are focused particularly on small-holder farmers operating under conditions of relative agricultural underdevelopment.

The content is to be published in multiple journals primarily *Nature Plants*, *Nature Sustainability* and *Nature Food*, and with content also in *Nature*, *Nature Climate Change* and *Nature Communications*. 
Impacts: eg from Nature 7 March 2018

‘A huge, decade-long experiment involving millions of farmers reports its results this week. Writing in Nature, scientists in China describe how they identified and passed on evidence-based techniques to make smallholder farming in the country more efficient (Z. Cui et al. Nature http://dx.doi.org/10.1038/nature25785; 2018). No sharing of agricultural tools was required; just the gathering and pooling of scientific data on local conditions and agricultural needs.’
1,200 scientists, 65,000 local officials, 140,000 industry representatives, and 21 million farmers. This is a story about how data can help change the world.

Chinese project offers a brighter farming future
A massive, decade-long experiment involving millions of Chinese farmers demonstrates an evidence-based approach to sustainability.
Impact, impact, impact....!

We are working to help scholars and scientists reach decision-makers in policy and practices, using innovative formats and through our engagements with policy-makers and practitioners.
Palgrave Macmillan launches new format with Palgrave Policy Essentials

London | Heidelberg, 15 October 2018

Palgrave Macmillan is thrilled to launch a new format of short, accessible books written by influential academics with direct policy experience. The books are designed to appeal to a wide audience, with clear summaries on policy implications and recommendations for action.

Palgrave Policy Essentials launches with the publication of three books written by Claire Craig, Patrick Diamond and Simon Dunn:

- **How Does Government Listen to Scientists?** discusses how interdisciplinary knowledge transfer can help speed up the development and use of practical insights for science in government, specifically around climate change, risk, disease prevention and public intelligence. Claire Craig CBE is Chief Science Policy Officer at the Royal Society and previously led the Government Office for Science on behalf of two UK Government Chief Scientific Advisors.

The full list of books and more information on Palgrave Policy Essentials is available here: [Link]
Policy Brief | 05 June 2020
Sustained LPG use requires progress on broader development outcomes
While the Pradhan Mantri Ujjwala Yojana has been instrumental in increasing India’s liquefied petroleum gas... show more
Sunil Mani, Abhishek Jain [...] Carlos F. Gould

Policy Brief | 01 May 2020
Coal-fired power plant closures and retrofits reduce asthma morbidity in the local population
Retiring, transitioning or installing more stringent emissions controls in coal-fired power plants has the... show more
Joan A. Casey, Jason G. Su [...] Meredith A. Barrett

Policy Brief | 30 March 2020
Mandatory building energy audits alone are insufficient to meet climate goals
Mandatory building energy audits in New York City lead to a modest reduction of energy use of 2.5% and 4.9% for... show more
Constantine E. Kontokosta, Danielle Spiegel-Feld & Sokratis Papadopoulos

Policy Brief | 17 February 2020
Non-market forces significantly affect oil prices
Non-market effects, such as strategic decisions by the Organization of the Petroleum Exporting Countries, energy... show more
Robert K. Kaufmann & Caitlin Connelly

Policy Brief | 10 February 2020
Price support allows communities to raise low-cost citizen finance for
Policy Brief | 20 January 2020
Capital cost subsidies through India's Ujjwala cooking gas programme
Thank you

p.campbell@nature.com