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**RIO+20**  
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we want →

# Key publications



Para informações sobre os compromissos  
da UNESCO na Rio+20  
em português, veja aqui:



[www.unesco.org/new/pt/rioplus20/](http://www.unesco.org/new/pt/rioplus20/)



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# Key publications





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The UN Conference on Sustainable Development (Rio+20) in Rio de Janeiro, Brazil, 20-22 June 2012, offers an extraordinary opportunity to reset the world on a sustainable development path.

We need to break with 'business as usual' to achieve genuine sustainable development. UNESCO is therefore advocating for building equitable, inclusive green societies. To make green societies a reality, we need to strengthen education at all levels, including education for sustainable development. The generation, sharing and application of scientific knowledge for sustainable development and the strengthening of the science-policy interface are building blocks of a sustainable future. Likewise, the media has to be mobilized to play an active role for

advancing sustainable development. Finally, we need to harness the key contribution of culture, in all its dimensions, for sustainable development.

This catalogue will give you a brief overview of UNESCO's key publications related to sustainable development.

To find out more about UNESCO's vision for sustainable development, please scan the QR code below.



→ <http://www.unesco.org/new/en/rioplus20/>



# From Green Economies to Green Societies

## UNESCO's Commitment to Sustainable Development

Rio+20 offers the world a unique chance to advance the sustainable development agenda. This publication provides UNESCO's vision for Rio+20 and gives concrete examples on how the Organization works to promote sustainable development.

It also presents a road map for future action on how to build equitable, inclusive, green societies through education, the sciences, culture and communication and information.



**UNESCO**  
2011, 76 pp.

Available in English, French and Portuguese

→ [www.unesco.org/ulis/cgi-bin/ulis.pl?catno=213311&set=4FC8B988\\_3\\_38&gp=1&lin=1&ll=1](http://www.unesco.org/ulis/cgi-bin/ulis.pl?catno=213311&set=4FC8B988_3_38&gp=1&lin=1&ll=1)

# Building Awareness for Green Policies



# How does UNESCO contribute to building a culture of peace and to sustainable development?

UNESCO Leaders' Forum, 26-27 October 2011

UNESCO  
2011, 127 pp.  
Available  
in English



Within the 36th session of its General Conference, UNESCO created the Leaders' Forum, an international platform for reflection and discussion to inject from the highest level of governments new inspiration and directions for the future. Discussions at this edition of the Forum were focused on how UNESCO contributes to building a culture of peace and to sustainable development.

→ [www.unesco.org/ulis/cgi-bin/ulis.pl?catno=216130&set=4FC8BC64\\_0\\_217&gp=1&lin=1&ll=1](http://www.unesco.org/ulis/cgi-bin/ulis.pl?catno=216130&set=4FC8BC64_0_217&gp=1&lin=1&ll=1)

# Challenges of a Green Economy and Green Societies

## Attitudes, Policies, Governance

UNESCO Future Forum, 24 May 2011

UNESCO  
2012, 90 pp.  
Available  
in English



Within the framework of the preparations for Rio+20, UNESCO and UNECE organized, in partnership with Collegium International, a UNESCO Future Forum on the theme 'Challenges of a Green Economy and Green Societies: Attitudes, Policies, Governance'. This document features the reflections and recommendations of high-level figures from a diversity of intellectual, professional and regional horizons.

→ [www.unesco.org/new/en/bureau-of-strategic-planning](http://www.unesco.org/new/en/bureau-of-strategic-planning)





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UNESCO LEADERS' FORUM

UNESCO General Conference, 36th session

## How does UNESCO contribute to building a culture of peace and to sustainable development?

26-27 October 2011  
UNESCO Headquarters  
Paris, France



# Shaping the Education of Tomorrow

## 2012 Report on the UN Decade of Education for Sustainable Development

The 2012 report focuses on processes and learning in the context of Education for Sustainable Development (ESD). What kinds of learning processes have emerged in the course of the UN Decade of Education for Sustainable Development? What is the role of ESD in supporting them? What changes have occurred in ESD since the early years of the Decade?

This publication is informed by a broad consultation process that includes input from hundreds of policy-makers, scholars and practitioners engaged in ESD around the world.



**UNESCO**

2012, 92 pp.

Available in English, French and Spanish

→ [www.unesco.org/new/en/education/themes/leading-the-international-agenda/education-for-sustainable-development/publications](http://www.unesco.org/new/en/education/themes/leading-the-international-agenda/education-for-sustainable-development/publications)



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## Shaping the Education of Tomorrow

2012 Report on the UN Decade of Education  
for Sustainable Development



# ESD+TVET

## Promoting Skills for Sustainable Development

Sustainable development cannot be reached through technological solutions or financial instruments alone. Without education, there can be no sustainable development.

This document explains and highlights the important role of Technical and Vocational Education and Training (TVET) for sustainable development. It also provides good examples of what policy-makers can do to green TVET.



**UNESCO**  
2012, 8 pp.

Available in English, French, Spanish, Russian, Arabic and Chinese

→ [http://unesdoc.unesco.org/ulis/cgi-bin/ulis.pl?catno=216269&set=4FC8BE4F\\_2\\_261&gp=1&mode=e&lin=1&ll=1](http://unesdoc.unesco.org/ulis/cgi-bin/ulis.pl?catno=216269&set=4FC8BE4F_2_261&gp=1&mode=e&lin=1&ll=1)



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Education for  
**E** Sustainable  
Development  
**S** **D**

+ **T** Technical &  
**V** Vocational  
**E** Education &  
**T** Training

PROMOTING SKILLS for  
SUSTAINABLE DEVELOPMENT



# Education for Sustainable Development Helps Build a Better, More Just World for the 21st Century

This new document explains in a nutshell what Education for Sustainable Development (ESD) is and why it is indispensable for shaping a sustainable future.

It showcases good practices of ESD from different world regions and explains how UNESCO assists Member States in promoting Education for Sustainable Development. It also provides concrete examples of what policy-makers and educators can do to help build a better future.



**UNESCO**  
2012, 8 pp.

Available in English, French, Spanish, Russian, Arabic and Chinese

→ [www.unesco.org/new/en/education/themes/leading-the-international-agenda/education-for-sustainable-development](http://www.unesco.org/new/en/education/themes/leading-the-international-agenda/education-for-sustainable-development)

# EDUCATION FOR SUSTAINABLE DEVELOPMENT

HELPS BUILD A BETTER, MORE JUST WORLD FOR THE 21<sup>ST</sup> CENTURY



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# Sandwatch

## Adapting to Climate Change and Educating for Sustainable Development

Sandwatch is a global programme, actively implemented in more than 50 countries worldwide. It provides a framework for children, youth and adults – along with teachers and local communities – to work together to critically evaluate the problems and conflicts facing their beach environments and to develop sustainable approaches to address these issues.

This revised and expanded edition of the Sandwatch manual integrates climate change into all chapters and classroom activities presented in the first edition, and adds a number of new activities, including a guide to documenting and sharing Sandwatch results through the use of social networking websites and other online resources.



**UNESCO**

2010, 136 pp., ISBN 978-92-3-104179-2

Available in English, French, Spanish and Portuguese (forthcoming)

→ [http://unesdoc.unesco.org/ulis/cgi-bin/ulis.pl?catno=189418&set=4FC8BD9B\\_1\\_255&gp=1&mode=e&lin=1&ll=1](http://unesdoc.unesco.org/ulis/cgi-bin/ulis.pl?catno=189418&set=4FC8BD9B_1_255&gp=1&mode=e&lin=1&ll=1)





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# SANDWATCH

**Adapting to climate change and  
educating for sustainable development**



# A Blueprint for Ocean and Coastal Sustainability

Our ocean covers over 70 per cent of the globe. Its health and the well-being of humanity and the living environment that sustains us all are inextricably linked. Yet neglect, ocean acidification, climate change, polluting activities and overexploitation of marine resources have made it one of the earth's most threatened ecosystems. This has put in peril not only the life forms that inhabit the planet, but the aspirations of humankind for prosperity and economic growth within the context of sustainable development.

Despite international efforts and initiatives, the world is not keeping up with its commitments. Maintaining the quality of life that the ocean has provided while sustaining the integrity of ocean ecosystems, requires changes in how we view, manage, govern and use ocean resources and coastal areas.

This Report and summary for decision-makers coordinated by UNESCO-IOC in collaboration with several UN bodies, provides a context for the Rio+20 discussions and negotiations, and presents ten tangible proposals towards ocean sustainability that should be regarded as priorities for consideration in the Rio+20 outcomes.

→ [http://unesdoc.unesco.org/ulis/cgi-bin/ulis.pl?catno=215002&set=4FC8BD61\\_1\\_253&gp=1&mode=e&lin=1&ll=1](http://unesdoc.unesco.org/ulis/cgi-bin/ulis.pl?catno=215002&set=4FC8BD61_1_253&gp=1&mode=e&lin=1&ll=1)



**UNESCO-IOC /  
UNDP / FAO / IMO**  
2011, 45 pp.  
Available in English,  
Portuguese and Korean

Summary for  
decision-makers  
Available in English,  
French, Spanish,  
Portuguese and Korean





An inter-agency paper towards the preparation of the  
**UN Conference on Sustainable Development (Rio+20)**

# a blueprint

FOR **ocean** AND **coastal** SUSTAINABILITY

# Ocean Acidification

## A Summary for Policy-Makers from the second Symposium on the Ocean in a High-CO<sub>2</sub> World

The ocean absorbs approximately 25 per cent of the CO<sub>2</sub> added to the atmosphere from human activities each year, greatly reducing the impact of this greenhouse gas on the climate.

When CO<sub>2</sub> dissolves in seawater, carbonic acid is formed. This phenomenon, called ocean acidification, is causing seawater to become corrosive to the shells and skeletons of numerous marine organisms whose reproduction and physiology is being affected.

This document explains briefly what ocean acidification is and gives an overview of what is known of this phenomenon today after new research findings: the rate of acidification, its causes and the possible responses from marine ecosystems, economies and societies.



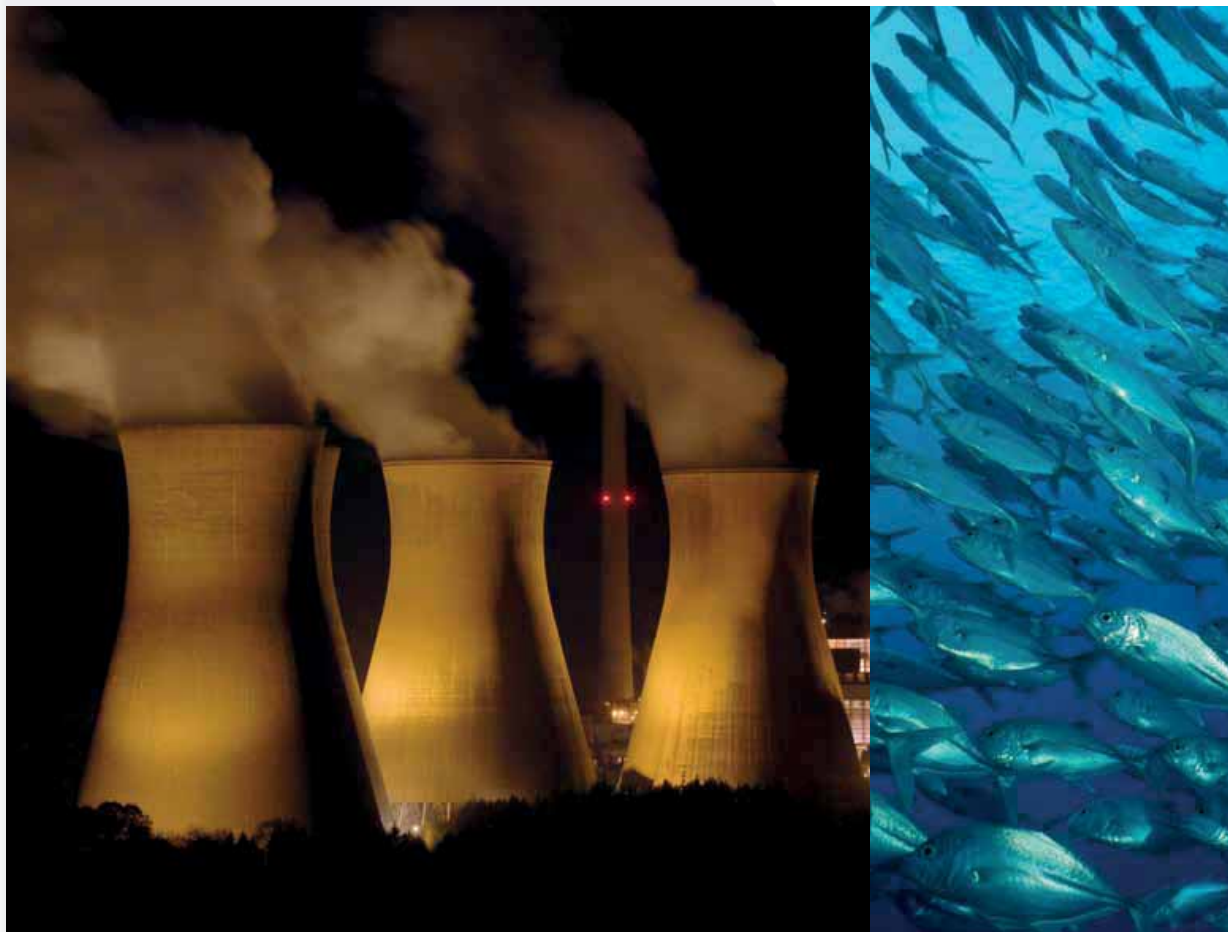
**UNESCO-IOC / SCOR / IGBP / IAEA**

2009, 8 pp.

Available in English, French, Spanish and Portuguese

→ [www.unesco.org/ulis/cgi-bin/ulis.pl?catno=192218&set=4FC8CF0C\\_3\\_262&gp=1&lin=1&ll=1](http://www.unesco.org/ulis/cgi-bin/ulis.pl?catno=192218&set=4FC8CF0C_3_262&gp=1&lin=1&ll=1)

# OCEAN ACIDIFICATION



**A Summary for Policymakers from the Second  
Symposium on the Ocean in a High-CO<sub>2</sub> World**

**SPONSORS**

**Intergovernmental Oceanographic Commission of UNESCO**

**International Geosphere-Biosphere Programme**

**Marine Environment Laboratories (MEL) of the International Atomic Energy Agency**

**Scientific Committee on Oceanic Research**

# Managing Water under Uncertainty and Risk

## The United Nations World Water Development Report 4

This flagship UN-Water Report, coordinated by the World Water Assessment Programme (WWAP), is a comprehensive review that gives an overall picture of the world's freshwater resources. It analyses pressures from decisions that drive demand for water and affect its availability while offering tools and response options to help leaders in government, the private sector and civil society address current and future challenges.

The WWDR4 introduces a thematic approach – 'Managing Water under Uncertainty and Risk' – in the context of a world which is changing faster than ever in often unforeseeable ways. It highlights that historical experience will no longer be sufficient to approximate the relationship between the quantities of available water and shifting future demands. Like the earlier editions, the WWDR4 also contains country-level case studies describing the progress made in meeting water-related objectives.

→ <http://unesdoc.unesco.org/ulis/cgi-bin/ulis.pl?catno=215644&gp=1&mode=e&lin=1>

→ [www.unesco.org/ulis/cgi-bin/ulis.pl?catno=215491&set=4F689C97\\_0\\_291&gp=1&lin=1&ll=1](http://www.unesco.org/ulis/cgi-bin/ulis.pl?catno=215491&set=4F689C97_0_291&gp=1&lin=1&ll=1)



**UNESCO**  
2012, 904 pp.  
ISBN 978-92-3-104235-5  
Hard copy for sale at 55 euros  
Available in English

Overview of Key Messages from  
the WWDR4

Available in English,  
French, Spanish,  
Russian, Arabic  
and Chinese

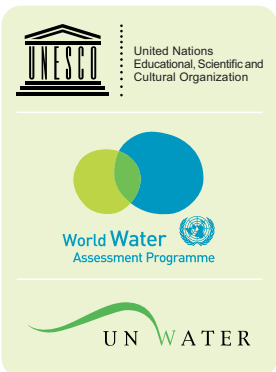




# Managing Water under Uncertainty and Risk

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THE UNITED NATIONS WORLD WATER  
DEVELOPMENT REPORT 4  
**VOLUME 1**



# Engineering: Issues, Challenges and Opportunities for Development

## UNESCO World Engineering Report

Engineering is of vital importance in human economic, social and cultural development and in addressing the UN Millenium Development Goals, especially poverty reduction and environmental sustainability.

The first ever international report on engineering from UNESCO is intended to:

- Identify issues and challenges facing engineering
- Promote better public understanding of engineering and its role in society, and
- Highlight ways of making engineering and engineering education more attractive, in particular to women and young people.



**UNESCO**

2010, 456 pp., ISBN 978-92-3-104156-3. Hard copy for sale at 26 euros

Available in English

→ [http://unesdoc.unesco.org/ulis/cgi-bin/ulis.pl?catno=189753&gp=1  
&mode=e&lin=1](http://unesdoc.unesco.org/ulis/cgi-bin/ulis.pl?catno=189753&gp=1&mode=e&lin=1)





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UNESCO  
Publishing

UNESCO Report

# Engineering:

Issues, Challenges  
and Opportunities for Development



# Reducing and Managing the Risk of Tsunamis

## Intergovernmental Oceanographic Commission manuals and guides No. 57

A tsunami is one of several natural hazards that result in the inundation of low-lying coastal land. As coastal areas are increasingly favoured for development and recreation, the exposure of people and their supporting assets to these hazards is also on the increase.

This guidance document is intended to assist those engaged in civil protection in their understanding and assessment of the risks to which their communities may be exposed in respect of the tsunami hazard. It describes the ways in which those risks can be reduced and managed as part of countries' wider natural disaster risk reduction strategies.



**UNESCO-IOC**

2011, 76 pp.

Available in English

→ [http://unesdoc.unesco.org/ulis/cgi-bin/ulis.pl?catno=214734&set=4FC8BCDC\\_1\\_223&gp=1&mode=e&lin=1&ll=1](http://unesdoc.unesco.org/ulis/cgi-bin/ulis.pl?catno=214734&set=4FC8BCDC_1_223&gp=1&mode=e&lin=1&ll=1)



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Intergovernmental  
Oceanographic  
Commission

*Intergovernmental Oceanographic Commission  
Manuals and guides, 57*

# REDUCING AND MANAGING THE RISK OF TSUNAMIS

UNESCO

# Weathering Uncertainty

## Traditional Knowledge for Climate Change Assessment and Adaptation

The Intergovernmental Panel on Climate Change (IPCC) states that indigenous knowledge is 'an invaluable basis for developing adaptation and natural resource management strategies in response to environmental and other forms of change.' Yet, for the most part, indigenous knowledge has remained outside the scope of the IPCC assessment due to language and socio-cultural barriers.

The outcome of an interagency collaboration, this publication contributes to reversing this situation by presenting an overview of current knowledge on climate change vulnerability, resilience and adaptation held by indigenous peoples and marginalized populations.

This publication is launched at the Forum on Science, Technology and Innovation for Sustainable Development held in conjunction with the Rio+20 summit.



**UNESCO / UN University / CBD Secretariat /**

**UNDP GEF Small Grants Programme**

2012, 128 pp., ISBN 978-92-3-001068-3

Available in English

→ [www.unesco.org/new/en/natural-sciences/priority-areas/links/climate-change-adaptation/projects](http://www.unesco.org/new/en/natural-sciences/priority-areas/links/climate-change-adaptation/projects)



# Weathering Uncertainty

Traditional knowledge for climate change assessment and adaptation



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# Migration and Climate Change

## Social Science Studies series

This publication provides the first authoritative overview of the relationship between climate change and migration, bringing together both case studies and syntheses from different parts of the world. It discusses policy responses, normative issues and critical perspectives from the point of view of human rights, international law, political science and ethics, and addresses the concepts, notions and methods most suited to confronting this complex issue.

The book constitutes a unique and thorough introduction to one of the most discussed but least understood consequences of climate change and brings together experts from a multitude of disciplines such as geography, anthropology and law, providing a valuable synthesis of research and debate.



**UNESCO Publishing / Cambridge University Press**

2011, 576 pp., ISBN 978-92-3-104199-0

Hard copy for sale at 24 euros

Available in English

→ [http://publishing.unesco.org/details.aspx?&Code\\_Livre=4839](http://publishing.unesco.org/details.aspx?&Code_Livre=4839)



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# MIGRATION AND CLIMATE CHANGE



EDITED BY: ÉTIENNE PIGUET  
ANTOINE PÉCOUD  
AND PAUL DE GUCHTENEIRE

CAMBRIDGE



# The Ethical Implications of Global Climate Change

Report by the World Commission on the Ethics of Scientific Knowledge and Technology (COMEST)

This report serves as a point of departure for further discussion and dialogue among members of the scientific community, NGOs and UNESCO Member States on the ethical challenges posed by climate change as a global phenomenon.

In particular, this publication seeks to clarify the central ethical issues that are brought about by global climate change, and the general and specific principles that could be adopted to form a basis for response to these issues.



**UNESCO**  
2010, 38 pp.

Available in English and French

→ [http://unesdoc.unesco.org/ulis/cgi-bin/ulis.pl?catno=188198&set=4FC8BC3F\\_3\\_185&gp=1&mode=e&lin=1&ll=1](http://unesdoc.unesco.org/ulis/cgi-bin/ulis.pl?catno=188198&set=4FC8BC3F_3_185&gp=1&mode=e&lin=1&ll=1)



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*World Commission  
on the Ethics  
of Scientific  
Knowledge and  
Technology*

# The Ethical Implications of Global Climate Change

**COMEST**



# The Power of Culture for Development

This publication explains how culture enables and drives sustainable development. It provides information on culture's contribution to environmental sustainability and social cohesion, as well as data on the cultural sector's contribution to economic growth, to the creation of decent jobs and to the empowerment of local communities.

This publication also clarifies the link between culture and the achievement of the Millennium Development Goals.

*For more information on UNESCO publications on culture for sustainable development, please go to*

→ [www.unesco.org/new/en/culture/themes/culture-and-development/culture-for-sustainable-development](http://www.unesco.org/new/en/culture/themes/culture-and-development/culture-for-sustainable-development)



**UNESCO**  
2010, 16 pp.

Available in English and French

→ [http://unesdoc.unesco.org/ulis/cgi-bin/ulis.pl?catno=189382&set=4FC8D5E1\\_2\\_304&gp=1&mode=e&lin=1&ll=1](http://unesdoc.unesco.org/ulis/cgi-bin/ulis.pl?catno=189382&set=4FC8D5E1_2_304&gp=1&mode=e&lin=1&ll=1)



The power of  
**Culture**  
*for Development*



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# Media as Partners in Education for Sustainable Development

## A Training and Resource Kit

This title of the UNESCO Series on Journalism Education addresses social, economic and environmental issues in terms of public participation through the media.

It seeks to contribute to media awareness and understanding of sustainability, as outlined in the Agenda 21 Plan of Action endorsed at the 1992 Earth Summit.



**UNESCO**

2008, 68 pp.

Available in English, French, Russian and Arabic

→ [http://unesdoc.unesco.org/ulis/cgi-bin/ulis.pl?catno=158787&set=4FC8BB52\\_0\\_156&gp=1&mode=e&lin=1&ll=1](http://unesdoc.unesco.org/ulis/cgi-bin/ulis.pl?catno=158787&set=4FC8BB52_0_156&gp=1&mode=e&lin=1&ll=1)



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# Media as partners

in education for  
sustainable development:  
*A Training and Resource Kit*

Authors  
Eleanor Bird  
Richard Lutz  
Christine Warwick

THOMSON FOUNDATION

UNESCO Series on Journalism Education







[www.unesco.org/new/en/rio-20/resources/](http://www.unesco.org/new/en/rio-20/resources/)