

Lessons for climate change adaptation from better management of rivers

Climate and Development 1(3) November 2009.

Published by Earthscan: Dunstan House,
14a St Cross Street, London EC1N 8XA, UK.

© 2009 Earthscan

All rights reserved. No part of this publication may be reproduced, stored in retrieval systems or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without written permission from the publisher.

Cover image: Panos/Philippe Lissac

ISSN: 1756-5529 (print), 1756-5537 (online)
ISBN: 978-1-84971-090-9

Responsibility for statements made in the articles printed herein rests solely with the contributors. The views expressed by individual authors are not necessarily those of the editors, the funders or the publisher.

SUBSCRIPTIONS

Subscription prices for Volume 2:

Institutions

Online only: £304 \$608 €456
Online & print: £320 \$640 €480 (airmail extra)

Personal

Online only: £99 \$199 €130
Print only: £99 \$199 €130 (airmail extra)

Orders can be placed online at www.earthscan.co.uk/journals/cdev or sent to the journal's distributors, Portland Customer Services, using the contact details below.

Post: Portland Customer Services, Commerce Way,
Colchester, CO2 8HP, UK
Fax: +44 (0)1206 799331
Tel: +44 (0)1206 796351
Email: sales@portland-services.com

Printed in the UK by MPG Books Ltd on FSC certified paper.

The editors and publishers gratefully acknowledge support from the Swedish International Development Cooperation Agency (Sida) for *Climate and Development*

Climate and Development is published quarterly. Periodicals Postage Paid at Rahway, NJ. US agent: Mercury International, 365 Blair Road, Avenel, NJ 07001. POSTMASTER: Address changes to CLIMATE AND DEVELOPMENT, 365 Blair Road, Avenel, NJ 07001.

EDITORIAL

191 Why a special issue on adaptation and water management?

JAMIE PITTOCK and STEPHEN DOVERS

PAPERS

194 Lessons for climate change adaptation from better management of rivers

JAMIE PITTOCK

212 Floodplain restoration along the lower Danube: A climate change adaptation case study

SUZANNE EBERT, ORIETA HULEA and DAVID STROBEL

220 Freshwater management and climate change adaptation: Experiences from the Great Ruaha River catchment in Tanzania

JAPHET. J. KASHAIGILI, KOSSA RAJABU and PETRO MASOLWA

229 Adapting to climate change in the Godavari River basin of India by restoring traditional water storage systems

BIKSHAM GUJJA, SRABAN DALAI, HAJARA SHAIK and VINOD GOUD

241 Freshwater management and climate change adaptation: Experiences from the Central Yangtze in China

XIUBO YU, LUGUANG JIANG, LIFENG LI, JINXIN WANG, LIMIN WANG, GANG LEI and JAMIE PITTOCK

249 Integrated river basin management in the Conchos River basin, Mexico: A case study of freshwater climate change adaptation

J. EUGENIO BARRIOS, J. ALFREDO RODRÍGUEZ-PINEDA and MAURICIO DE LA MAZA BENIGNOS

261 Participatory river basin management in the São João River, Brazil: A basis for climate change adaptation?

LUIZ FIRMINO MARTINS PEREIRA, SAMUEL BARRETO and JAMIE PITTOCK

269 Embracing uncertainty in freshwater climate change adaptation: A natural history approach

JOHN H. MATTHEWS and A. J. WICKEL



Mixed Sources

Product group from well-managed
forests and other controlled sources
www.fsc.org Cert no. SA-COC-1565
© 1996 Forest Stewardship Council