## At the Confluence 2012

Held at World Water Week Aquatic Procedia Volume 1

Stockholm, Sweden 26-31 August 2012

ISBN: 978-1-63266-065-7

## Printed from e-media with permission by:

Curran Associates, Inc. 57 Morehouse Lane Red Hook, NY 12571



Some format issues inherent in the e-media version may also appear in this print version.

Copyright© by Elsevier B.V. All rights reserved.

Printed by Curran Associates, Inc. (2014)

For permission requests, please contact Elsevier B.V. at the address below.

Elsevier B.V. Radarweg 29 Amsterdam 1043 NX The Netherlands

Phone: +31 20 485 3911 Fax: +31 20 485 2457

http://www.elsevierpublishingsolutions.com/contact.asp

## Additional copies of this publication are available from:

Curran Associates, Inc. 57 Morehouse Lane Red Hook, NY 12571 USA Phone: \$45,758,0400

Phone: 845-758-0400 Fax: 845-758-2634

Email: curran@proceedings.com Web: www.proceedings.com

## TABLE OF CONTENTS

Preface 2012: At the Confluence	1
The Water for Food Paradox	3
C. Chartres	
Contingency Planning: Trade's Role in Sustainable World Food Security	20
Introducing Water to an Analysis of Alternative Food Security Policies in the Middle East and North	
Africa	30
D.F. Larson	
Good Governance for Food, Water and Energy Security	44
Is the Rebound Effect or Jevons Paradox a Useful Concept for better Management of Water	
Resources? Insights from the Irrigation Modernisation Process in Spain	64
A. Dumont	
Rapidly Intensified Beef Production in Uruguay: Impacts on Water-related Ecosystem Services	77
City Waste for Agriculture: Emerging Priorities which Influence Agenda Setting	88
Opportunities and Constraints for Resource Efficient Environmental Management in Rapidly	
Developing Urban Areas: The Example of Mexico City	100
Using Every Drop – Experiences of Good Local Water Governance and Multiple-Use Water Services for Food Security in Far-Western Nepal	120
S.L. Rautanen	120
A Systems Analysis of Irrigation Water Quality in Environmental Assessments Related to Foodborne	
Outbreaks	130
R.J. Gelting	130
Hydropower Development and Food Security in Laos	138
S. Sparkes	
The Water-Energy-Food Security Nexus: Challenges and Opportunities for Food Security in South	
Africa	150
M. Gulati	
Water Resources and Food Security – Reflections	165
Innovations to Improve Water Productivity – Reflections	168
Pathways to Improved Water Security - Reflections  Peter Bakker	172
Author Index	