

1. Record Nr.	UNINA9910139043403321
Titolo	The state of the world's land and water resources for food and agriculture : managing systems at risk
Pubbl/distr/stampa	Abingdon, Oxon ; ; New York, N.Y. : , : Earthscan, , 2011
ISBN	0-203-14283-7 1-136-49888-5 1-84971-327-8
Edizione	[1st ed.]
Descrizione fisica	1 online resource (312 p.)
Disciplina	338.1/6
Soggetti	Agricultural ecology Agricultural productivity - Water-supply Agricultural productivity Crops and climate Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references (pages 260-279) and index.
Nota di contenuto	Cover; The state of the world's land and water resources for food and agriculture: Managing systems at risk; Copyright; Contents; Foreword; Preface; Acknowledgements; List of abbreviations; List of tables; List of boxes; List of figures; List of maps; What solaw says; Executive summary; The challenge of land and water; Land and water for sustainable intensification; Meeting the challenges - business as usual is not enough; Conclusion; 1. Status and trends in land and water resources; The present status of land and water; Land and water resources in rainfed agriculture Land and water resources in irrigated agricultureForests, rangelands, inland fisheries and aquaculture; Agricultural demand towards to 2050; Implications for irrigated agriculture; Implications for rainfed agriculture; Conclusions; 2. Socio-economic pressures and institutional set-up; Socio-economic dependency on land and water; Basic systems of allocation; Policy responses to date; Institutional approaches and performance; Environmental consequences of past policy choices; Investments in land and water; International cooperation on land and

water; Conclusions

3. Land and water systems at risk Growing competition for land and water; Degradation of land and water: impacts and causes; Anticipated impacts of climate change; Systems at risk; Conclusions; 4. Technical options for sustainable land and water management; Improving rainfed productivity; Managing soil health and fertility; Soil moisture management for rainfed areas; Integrated approaches to improving productivity in rainfed systems; Sourcing water for irrigated agriculture; Modernizing irrigation systems; Increasing on-farm water productivity Managing environmental risks associated with intensification Land and water approaches in view of climate change; Prospects for implementation; 5. Institutional responses for sustainable land and water management; The overall policy environment; Securing access to land and water resources; Defining national strategies; The role of knowledge; Strengthening international partnerships; Enhancing international cooperation and investment; Lessons for the future; 6. Conclusions and main policy recommendations; Ensuring sustainable production in major land and water systems
Policies and strategies for sustainable land and water management Reforming international cooperation in land and water management; Looking ahead; Annexes; A1 - Country groupings used; A2 - Environmental externalities associated with irrigated agriculture; A3 - Country programmes for sustainable land management; A4 - Core land and water indicators by country or region; Glossary of terms and definitions used in this report; List of global maps presented in this report; References; Index

Sommario/riassunto

The State of the World's Land and Water Resources for Food and Agriculture is FAO's first flagship publication on the global status of land and water resources and is the first time that a global, baseline status report has been made. The implications of the status and trends are used to advocate remedial interventions which are tailored to major farming systems within different geographic regions.
