

HYDROSUSTAINABILITY

What would happen if we took market-based approaches to solving the world's largest water resource and scarcity challenges?

INNOVATING RESEARCH IN MARKET-BASED WATER SOLUTIONS

OUR MISSION

World Water Institute (WWI) is a pending 501 (c)(3) nonprofit research organization dedicated to finding solutions to the world's most pressing water challenges. Our mission is promoting market-based approaches to water resource management that increase use efficiency, encourage conservation, and mitigate waste. We believe our innovative research supports solutions that advance a **HYDROSUSTAINABLE** future for our planet. WWI's function is generating research, disseminating information, and forming collaborative partnerships that increase awareness about the practice of water trading and support establishing water markets worldwide.

OUR CHALLENGE

Heightened resource scarcity and drought makes it more difficult for farmers and irrigators to borrow money, secure mortgages, obtain insurance, and sell or lease water or rights. Water transfers from willing sellers has long been an effective strategy for improving resource allocation in water risk-prone regions around the world. Water trading allows market mechanisms to distribute water resources among parties in a given system in the most efficient manner. However, wide-scale use of water trading has yet to materialize globally, primarily due to complex legal, political and social barriers associated with implementation.

OUR EXPERTS

WWI is a think tank built on 40 years of published research from our founding members in academia, business, and government. Our partnership with research firm, Stratecon, brings together the disciplines of economics, finance, natural resource management and law to develop strategies and analyze innovative solutions to public policy water issues. We also partner with newly launched Journal of Water, which adds invaluable historical research and data expertise to WWI's knowledge bank.



OUR MISSION

World Water Institute (WWI) is a nonprofit think tank dedicated to sourcing, disseminating, and increasing awareness of key issues that affect water resources globally.

UNIVERSITY RESEARCH PARTNER PROGRAM

University partnership in development with Texas Christian University is creating a solid foundation upon which WWI will build its University Research Partner Program (URPP). Through networking and community outreach, we are recruiting leading academics in fields of economics and water resource management to pioneer innovative water curricula at their universities. The goal of URPP is to equip students with practical knowledge about water policy, water security, capital markets, and water trading through real world research applications. The URPP will thus prepare students to enter the workforce and formulate meaningful solutions to global water resource challenges.

TARGET RESEARCH AREAS

WATER POLICY

Water Allocation and Rights System for Transfers and Trades

Water Market Regulation and the need to Self Regulate

Water Basin Adjudications and Groundwater Sustainability

WATER SECURITY

Market Exchanges and Associated Risk Management tools for Farmers

Water Resource Engineering

Hydrology and Water System Dynamics

CAPITAL MARKETS

Business Case for Water Efficiency and Conservation

Price and Transparency in Markets

Transaction Costs and Reform Costs for Water Markets

GLOBAL MARKETS

Australia's Water Entitlement and Trading System

Economic Impacts of Resource Scarcity and Drought

Universal Market Characteristics Conducive for Trading