

Review of: "Policy-Based Water Management Challenges at the Local Level Under Non-traditional Security Perspective: The Case of Hanoi City, Vietnam"

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Potential competing interests: No potential competing interests to declare.

- The main question addressed by the research is to identify water security (WS) management challenges at the local level, specifically in Hanoi, Vietnam, and to assess the effectiveness of policy-based WS management under multidimensional aspects of non-traditional security issues.
- The research aims to apply an interdisciplinary approach of "Management of Non-traditional Security" and "systems thinking" to understand the WS management system and contribute to data-driven policy-making and interdisciplinary water management research.
- The study also integrates the concept of WS, integrated water resources management, and UN Sustainable Development Goal 6 on water to provide a better understanding of assessing the effectiveness of policy-based WS management.

The topic is relevant in the field and addresses the need for effective policy-making and interdisciplinary research in managing water security issues, particularly in emerging countries like Vietnam. It contributes to a better understanding of water security management and provides materials for interdisciplinary research development in water security management and sustainability management.

The study offers a new way of thinking and a novel philosophy for the water security management system, contributing to data-driven policy-making and interdisciplinary water management research.

The conclusions address the main question posed by assessing the effectiveness of policy-based water management under multidimensional aspects of non-traditional security issues, particularly at the local level in emerging countries like Vietnam.

However:

- The authors should consider integrating aspects of social sustainability, awareness, and behavior change into the assessment of water security.
- Nature-based technical aspects, such as green infrastructure, and solid waste management systems should be included in the assessment of water security.
- The effectiveness level of water security management (WSM) should be assessed to contribute to evidence-based

policy-making.

- The authors should consider incorporating household-based experiences and interview data, as well as secondary data, in the assessment of water security.
- The principle of integrated water resource management (IWRM) should be applied in the assessment and management of water security.