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**Water productivity in medium and small reservoirs in the Upper East Region of Ghana**

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Improving water productivity, i.e., the physical quantity or economic value derived from the use of a given quantity of water, is one important strategy for addressing water scarcity, which is driven particularly by population growth and potential climate changes. Understanding the productivity factors is a prerequisite to improvement strategies. This study assesses water productivity at field and scheme scales for two systems: a medium and a small reservoir in the semi-arid environment of the Upper East Region in Ghana. The study concludes that water productivity in the studied reservoirs is low, and that there is potential for improvement through improved irrigation water management and agronomic practices.