

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 research presented in the manuscript is based on a combination of the concepts of water security, integrated water resources management, and Sustainable Development Goal 6.

It should be emphasized here, however, that the connections between the above concepts are confirmed and obvious and are manifested, for example, in reporting to the UN related to SDG Indicator 6.5.1 "Degree of implementation of integrated water resources management" (UN, 2020). Without a doubt, in conditions of uncertainty related to socio-economic development and expected climate changes, it is necessary to develop supporting tools leading to the rationalisation of water management, both in legal, economic, and technical terms, and to change the criteria for the use of surface and groundwater resources.

The general reflection

Following the above line of thought, in my opinion, the idea of Integrated Water Resources Management includes the concept of ensuring water security. I am curious about the authors' opinions on this matter. Just pay attention to how water resources management has evolved in history. In the first phase, integration activities at the catchment level were limited in nature, i.e., individual sector problems and needs were analysed and solved separately. The next step was the management and maintenance of existing water infrastructure, initially without taking into account a uniform approach to the many functions it fulfilled. Next, there were actions aimed at the integrated development of water infrastructure, which, according to the assumptions, was to fulfill many tasks (water supply, hydropower, flood protection, navigation). The final stage of evolution was taking into account aspects of the natural environment in the management process.

I have the following detailed comments on the manuscript:

- I suggest considering changing its structure to include:

-methodical part (materials and methods),

-characteristics of the study area,

-results,

-discussion of the results.

Let the proof of the need to improve the structure of the manuscript be the characteristics of the study area which can be found in chapter 1.2 (water issues in Hanoi) and chapter 2.5.

- The conclusions should be extended.
- I see potential for using the AHP method in further research to determine values