

Review of: "Reducing non-revenue water in Egypt using GIS"

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Potential competing interests: No potential competing interests to declare.

Qeios

"Reducing Non-Revenue Water in Egypt Using GIS"

by:

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Review

The author has drafted a research paper addressing non-revenue water in Egypt. The paper is written more as an overview paper rather than a research paper. The technical content of the article is fairly good, but the paper is in need of a good technical editor to improve the readability of the paper. My comments addressing the technical and editorial content of the paper are summarized below.

There are several suggested revisions/changes to the draft chapter; examples include:

- a. p.1, par.1, line 1: ...Unaccounted for Water, referring... ® ...Unaccounted-for-water (UFW), referring...
- b. p.1, par.2, line 3: ...GIS maps with Billing, hydraulic... ® ...GIS maps with Billing, hydraulic...
- c. p.2, par.5, line 4: ...40% of all water produced... [This sentence needs a reference citation].
- d. p.3, 6th bullet: Need to define OJT.
- e. p.3, last paragraph, line 1: ...in *Fig 1*, is conducted... ® ...in *Fig. 1*, is conducted...
- f. p.3, last paragraph, line 1: ...The area of it was... ® ...The area was...
- g. p.4, 5th bullet: This should not be a bullet; rather it is the start of a new paragraph.
- h. p.4, 6th and 7th bullets: These two bullets should be listed as a single bullet.
- i. p.4, par.2, line 2: ...as shown in Fig 2: ® ...as shown in Fig. 2.
- j. p.5, par.1, line 2: ...prepare maps & sheets to collect data... ® ...prepare maps and sheets to collect data...
- k. p.5, par.6, line 2: ...as shown in Fig 4. The area... ® ...as shown in Fig. 4. The area... [Also, should that be Figure 3?]
- l. p.6, Figure 4: The author should indicate the units for the x-axis and y-axis.
- m. p.7, Figure 4 caption: Should that be Figure 5?
- n. p.8, par.1, line 3: ...there are many sources... ® ...there are many potential sources...
- o. p.8, par.2, line 2: ...the area were 108 leaks. This figure is too... ® ...the area involved 108 leaks. This quantity is too...

- p. p.8, par.3, line 4: ...decreased by a percentage at 32.2%. ® ...decreased by 32.2%.
- q. p.9, par.2, line 1: ...out of order and the Less accuracy reading meters... ® ...out of order and the less accurate reading meters...
- r. p.11, bullet 1: ...period (November & December), and it will... ® ...period (November and December), and it will...
- s. p.13: References are listed for the manuscript; however, the reference citations are not provided in the body of the manuscript.
- t. This paper is in severe need of a good technical editor. The text of the paper reads choppily. A good technical editor is needed to improve the readability, fluency, and fluidity of the paper.
- u. The paper contains too many bullets; I suggest the paper be written more in a paragraph-style format.
- v. The paper is not a strong technical paper; it is written more as an overview/summary paper. Efforts should be made to improve the technical content of the paper.
- w. p.12, Recommendations/Conclusions: This section needs strengthening. What is the significance and utility of this research effort?

In summary, subject to addressing the above comments, I recommend that the paper be declined for publication in **Qeios**. I urge that the author improve the technical content of the paper and suggest that major revisions be made to the document.