Mindanao, Philippines

Data Analysis Report
Mindanao, Philippines

Quan Pan

02 Mar 2020

Contents

List of Figures

List of Tables

Acknowledgements

This report was prepared by Bich Tran, Solomon Seyoum, Marloes Mul, Elga Salvadore, Amani Matar, Gonzalo E. Espinoza-Dávalos, Jonna van Opstal, Wim Bastiaanssen through a collaboration between IHE
Water Accounting is an approach based on open access data sets and information. The validation of the water accounts for the Litani depends on observed data. The authors are therefore grateful for the

Abbreviations and Acronyms

KEY	Value

Executive summary

This report was prepared by Bich Tran, Solomon Seyoum, Marloes Mul, Elga Salvadore, Amani Matar, Gonzalo E. Espinoza-Dávalos, Jonna van Opstal, Wim Bastiaanssen through a collaboration between IHE
Water Accounting is an approach based on open access data sets and information. The validation of the water accounts for the Litani depends on observed data. The authors are therefore grateful for the

1 Introduction

The overall objective of the 'Using Remote Sensing in support of solutions to reduce agricultural water productivity gaps' project of the Food and Agricultural Organization (FAO) supported by the Ministry of Foreign Affairs of the Netherlands (DGIS) is to achieve future food security with less water, while using water resources in a sustainable manner. Agriculture is a key water user and a careful monitoring of water productivity in agriculture is a necessity. The FAO Water Productivity Open Access portal (WaPOR) provides new opportunities to exploit spatial information related to water consumption in agriculture and water productivity for Africa and Near East. Assessing sustainable use of water resources is evaluated using the water accounting framework, utilising a combination of remote sensing data (in this case the WaPOR database) open access global datasets and complemented with local measurements on weather conditions and river flows.
The Litani River basin is one of the selected pilot basins for making a more comprehensive assessment of the multiple water user situation (see Figure 1 for location of the Litani basin). The assessment would contribute to better understanding the possible consequences of water productivity increases on other water users. A secondary objective is to demonstrate the value of the WaPOR database in preparing water accounts for river basins.
IHEWAreport-fig1
IHEWAreport-tab1
IHEWAreport-eqa1
IHEWAreport-ref1
Paragraph 7

1.1 Subsection 1.1

Subsection 1.1 Paragraph 1 0.0
Subsection 1.1 Paragraph 2 1.0

2 Methodology

Section 2 Paragraph 1
Section 2 Paragraph 2

2.1 WaPOR database

Subsection 2.1 Paragraph 1 0.5
Subsection 2.1 Paragraph 2

3 Test from YAML

Figure fig-1.jpg
Equation a-b
Table table-1.csv
Reference ref-1.pdf

4 Test

4.1 Reference

Bertram and Wentworth 1996
Simon et al. 2006

4.2 List

- the first item
- the second item
- the third etc. . .
- the first item
- the second item
- the third etc. . .

4.3 Figure

Fig. 1

4.4 Talbe

Tab. 2

Table 2: Caption Table

header 1	header 2	header 3
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0

Table 2: Caption Table

header 1	header 2	header 3
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0

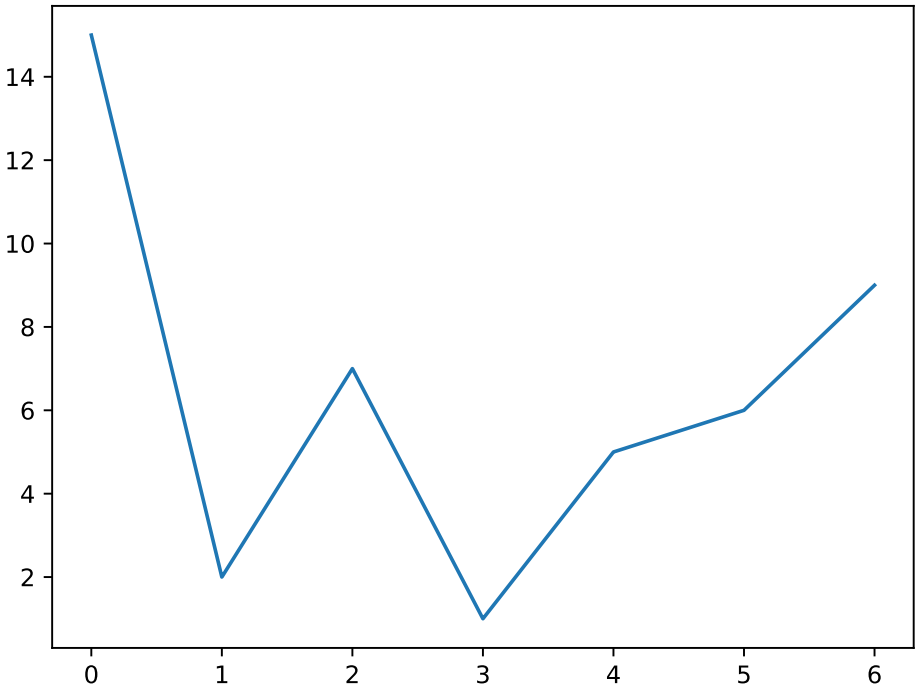

Figure 1: Caption Figure

4.5 Equation numpy

Equ. 2

$$\frac{a}{b} = 0 \tag{1}$$

$$\begin{pmatrix} 2 & 3 & 4 \\ 0 & 0 & 1 \\ 0 & 0 & 2 \end{pmatrix} \begin{pmatrix} 100 \\ 10 \\ 20 \end{pmatrix} = \begin{pmatrix} 310 \\ 20 \\ 40 \end{pmatrix} \tag{2}$$

4.6 Equation quantities

Equ. 3

$$F = 1.982 \times 10^{20}\,\mathrm{N} \tag{3}$$

References

Bertram, Aaron and Richard Wentworth (1996). “Gromov invariants for holomorphic maps on Riemann surfaces”. In: *J. Amer. Math. Soc.* 9.2, pp. 529–571.

Simon, E. et al. (2006). “Variant maple syrup urine disease (MSUD)–the entire spectrum”. In: *Journal of inherited metabolic disease* 29.6, pp. 716–24. DOI: 10.1007/s10545-006-0276-1.

Annexes

Annexes.csv