

COMMENTS AND CORRECTIONS

# Corrections to “GlacierNet: A Deep-Learning Approach for Debris-Covered Glacier Mapping”

ZHIYUAN XIE<sup>1</sup>, UMESH K. HARITASHYA<sup>2</sup>, VIJAYAN K. ASARI<sup>1</sup>, (Senior Member, IEEE), BRENNAN W. YOUNG<sup>3</sup>, MICHAEL P. BISHOP<sup>3</sup>, AND JEFFREY S. KARGEL<sup>4</sup>

<sup>1</sup>Department of Electrical and Computer Engineering, University of Dayton, Dayton, OH 45469, USA

<sup>2</sup>Department of Geology, University of Dayton, Dayton, OH 45469, USA

<sup>3</sup>Department of Geography, Texas A&M University, College Station, TX 77843, USA

<sup>4</sup>Planetary Science Institute, Tucson, AZ 85719, USA

Corresponding author: Umesh K. Haritashya (uharitashya1@udayton.edu)

This work was supported in part by the National Aeronautics and Space Administration (NASA) High Mountain Asia under Grant NNX16AQ62G and Grant 80NSSC19K0653; and in part by the NASA Interdisciplinary Research in Earth Science (IDS) under Grant 80NSSC18K0432.

In the above article [1], Figure 2 was incorrect. Unfortunately, we mixed the color label of “CONV→BN→ReLU” and “Unpooling” in the CNN structure section of Figure 2. The color label of “CONV→BN→ReLU” should be orange while the color label of “Unpooling” should be green. Also, the word “Decoder” is misspelled. That same figure with the same error is also used for the graphic abstract. The corrected figure is given here. None of the sections in the figure is modified. The only change is in the color label of “CONV→BN→ReLU” and “Unpooling,” which were mixed in the original figure. The correct legend should show orange color for “CONV→BN→ReLU” and green color for “Unpooling.” In the same legend column, misspelled word “Decdoer” has also been corrected to “Decoder.” The correct figure is shown here.

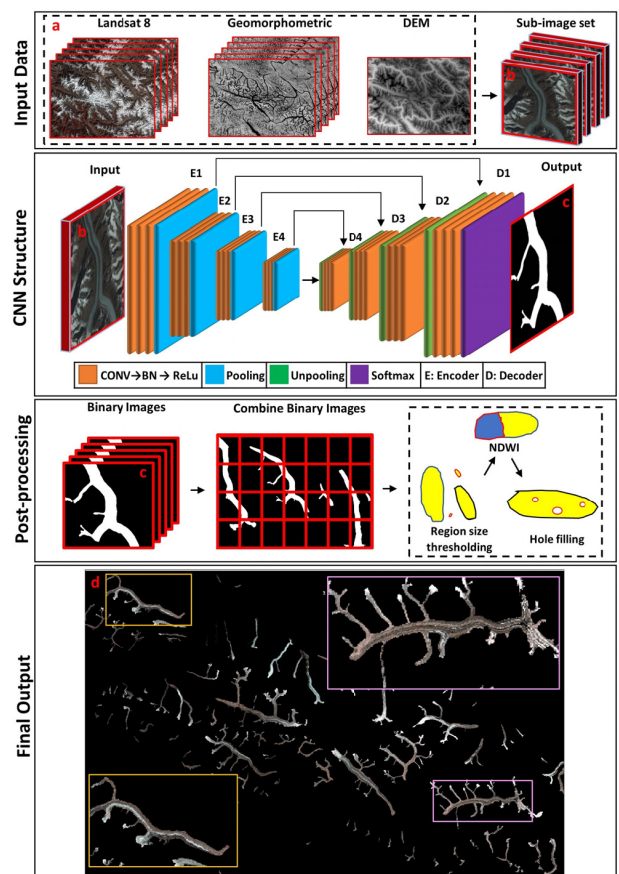


FIGURE 2. The GlacierNet architecture.

REFERENCES

[1] Z. Xie, U. K. Haritashya, V. K. Asari, B. W. Young, M. P. Bishop, and J. S. Kargel, “GlacierNet: A deep-learning approach for debris-covered glacier mapping,” *IEEE Access*, vol. 8, pp. 83495–83510, 2020.